

Report of Scientific talk on 6th August, 2015 by Professor Amitabh Chattopadhyay, CCMB

AIB has initiated the ABC (Amity Biotechnology Club) seminar series and the first lecture was held on 6th August, 2015, Thursday in 'B' Block Auditorium of AUH.

It began with presentation of memento and bouquet by the Honorable Vice Chancellor, Professor P.B. Sharma to Professor Amitabh Chattopadhyay. HOIs and HODs from various departments (other than AIB) had attended the seminar including General Mahavir (AMS), Professor Raghav (ASET), DrJaipaulDudeja (ALT) and Dr. Arunangshu Bhattacharya (Hospitality).

The title of the talk was "Cholesterol in Biology and Medicine: History, Myths and Excitement". The Universality of the topic drew audience from many disciplines including humanities. There were over three hundred students and 40 faculty members who attended the lecture.

Professor Chattopadhyay walked us through the history and naming of cholesterol, unraveling of its structure and the nobel prizes awarded. He told that Cholesterol is in fact the most decorated biological molecule.

He said that all Biological membranes have to have an optimal percentage of cholesterol for them to function properly. This property can be exploited for designing drugs against pathogen such as Leishmania and Tuberculosis.

His laboratory has in fact studied this phenomenon extensively and proven that if cholesterol composition of the membranes is altered then the pathogenicity of Leishmania, (the pathogen causing Kala Azar) is reduced.

Many questions were asked at the end of the session. Professor Deependra Sharma appreciated the talk and said it was a very honest rendition. She asked about the relation of bile and homocysteine to Cholesterol in the body. Professor Rajendra Prasad, Director AIB asked whether the drugs would be effective against other pathogens as well. DrJaipaulDudeja commented that Raman spectroscopy may be more appropriate than fluorescence in studying membranes.

Professor Rajendra Prasad, Director AIB, proposed a vote of thanks at the end of the talk.


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Amity University Haryana
Manesar Gurgaon-122413

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Mahavir
Received
Amity University Haryana
Manesar Gurgaon-122413



Amity

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Amity University Haryana
Manesar Gurgaon-122113

AIB Faculty Details 2015

S. No.	Faculty Name	Designation
1	Prof.(Dr.) Rajendra Prasad	Director
2	Prof (Dr) SM Paul Khurana	Professor
3	Prof S.K.Ray	Professor
4	Dr Machiavelli	Assistant Professor
5	Dr Gargi	Assistant Professor
6	Dr Manju	Assistant Professor
7	Dr Dinesh K Yadav	Assistant Professor
8	Dr Saif Hameed	Assistant Professor
9	Dr Nitai Deb Nath	Assistant Professor
10	Dr Anil Kumar	Assistant Professor
11	Dr Narendra Kumar	Assistant Professor
12	Ms Sarika Chaturvedi	Assistant Professor
13	Ms Shikha Khandelwal	Assistant Professor
14	Dr Neelam Yadav	Assistant Professor
15	Dr Biswarup Sen	Associate Professor
16	Dr Sangeeta Kumari	Assistant Professor
17	Dr Kanakshi Gupta	Assistant Professor
18	Dr Zeeshan Fatima	Assistant Professor
19	Dr Jinny Tomar	Assistant Professor
20	Dr Munindra	Assistant Professor
21	Dr Tani Agarwal	Assistant Professor
22	Dr Surender Khatodia	Assistant Professor
23	Dr Sumistha Das	Assistant Professor
24	Dr Gaurav	Assistant Professor
25	Dr Burra Prasad	Professor



AMITY UNIVERSITY
GURGAON

ORIENTATION PROGRAMME
August 10, 2015



Dr. Rakesh Bhatnagar

Genetic Engineering and Molecular Biology Lab

School of Biotechnology

Jawaharlal Nehru University

New Delhi - 110067, India

Phone: 011 26704079, 26742040

Telefax: 01126742040

Mail: rakeshbhatnagar@jnu.ac.in

Title: Bioterrorism

Venue: A block Auditorium

All are Welcome!

ABSTRACT

The nature of bio-terrorism resulting from anthrax attack is such that an aggressor is likely to strike at a time and place calculated to induce maximum terror through mass casualties. In the absence of specific intelligence in terms of medical surveillance and integrated real-time detection systems, the unpredictable nature of such events compels the development of medical countermeasures, which will enable the authorities to treat the exposed individuals. Early treatment is essential, when the disease reaches a point at which antibiotics are no longer effective owing to the accumulation of a lethal level of toxin, even though the organism is sensitive to the agent. The currently recommended post exposure treatment is a combination of an antibiotic (ciprofloxacin) and a licensed human vaccine AVA (Highly toxic with side effects). We have PCR-cloned and over expressed the anthrax protective antigen gene. Bioprocess optimization was done to improve the yields of the genetically engineered protective antigen. The total yield of genetically engineered vaccine obtained was 25 g from a 5-liter bioreactor, which is equivalent to 1 million shots. The genetically engineered protein was found to be functionally and biologically identical to its *B. anthracis* antigen. Toxicity studies conducted on this protein indicated that the protein is devoid of any toxicity and can be safely used for the development of a safe and effective genetically engineered vaccine against anthrax. Phase II clinical trials are being done as per guidelines of Drug Controller of India and US FDA. Technology for making genetically engineered vaccine against anthrax has already been transferred to Panacea Biotech Ltd., New Delhi, a pharmaceutical company already in the business of making polio and Hepatitis B vaccine.


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AMITY UNIVERSITY

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ORIENTATION PROGRAMME

August 10, 2015

Dr. Rakesh Bhatnagar

1. Details of Employment:

Year	Position	Institution Name
May, 2013 to May 2015	Dean	School of Biotechnology, JNU
Dec, 2012-May, 2013	Vice Chancellor	Kumaun University
1997-till date	Professor	School of Biotechnology, JNU
1993-1995, 2001-2003	Chairman	School of Biotechnology, JNU
1989-1997	Associate Professor	School of Biotechnology, JNU
1990-1993	Coordinator	Bioinformatics Centre, JNU
1987-1989	Senior NRC Associate	USAMRIID, Fredrick MD, USA
1986-1987	Visiting Associate	NHLBI, NIH, Bethesda, MD, USA
1985-1986	Visiting Assistant Professor	Biochemistry, CHU, Caen, France
1983-1985	Assistant Professor of Biochemistry	Post Graduate Institute of Med. Education & Research, Chandigarh, India
1982-1983	Pool Officer, Department of Biochemistry	V. P. Chest Institute, University of Delhi, India
1979-1982	Scientist (Wiss Angest)	Institute of, Freiburg University, Freiburg, Germany

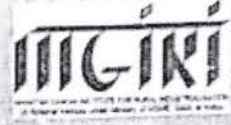

2. Selected Professional Recognitions, Awards, and Fellowships received:

- Prof. Rakesh Bhatnagar was ranked among the top 10 (actually 7 from top) eminent researchers publishing commendable papers on anthrax. (Open source Global Anthrax Research Literature 2006)
- Fellow, Indian National Science Academy, National Academy of Sciences and Indian Academy of Sciences
- Indian Council of Medical Research (ICMR) award for outstanding research work in the field of Immunology
- All India Biotech Association Award 2001-2002, in recognition of achievements in Promotion of Biotechnology
- Haffkine Institute, Bombay, Dr. Gharpure Oration Lecture, 2002
- Invited to deliver Press Conference to announce Development of Genetically Engineered Vaccine against Anthrax with Secretary DBT, DG CSIR and Minister of Science & Technology, November 2001 and at Annual Meeting of American Society For Cell Biology, Washington D.C. December, 2001
- Institute of Pathology Silver Jubilee Oration Lecture, 1992
- John Fogarty visiting Fellowship in National Institutes of Health, 1985-1986

3. Publications: Total No. of Research Publications: 134; Book chapters: 8


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REPORT



National Workshop

"Technology Awareness Programme for Potential
Young Entrepreneurs to Start Their Own Business"

18th August 2015

Organised by

AMITY UNIVERSITY GURGAON

In Collaboration with

MAHATMA GANDHI INSTITUTE FOR RURAL INDUSTRIALISATION (MGIRI)
(A National Institute under Ministry of MSME, Govt. of India.)
WARDHA

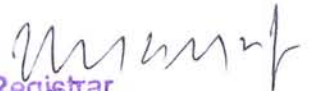
Prof. Rajendra Prasad
Convenor

Dr. Machiavelli Singh
Organising Secretary

Reportage: Dr. Machiavelli Singh & Dr. Kushagra Rajendra

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NATIONAL WORKSHOP "Technology Awareness
Programme for Potential Young Entrepreneurs to
Start Their Own Business"

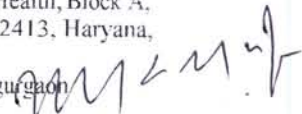
18th August 2015



- Chief Patron:** Dr. Ashok Chhabra, Founder President, IWEF
Shri A. Chhabra, Chairman, Chancellor, AUH
- Patron:** Prof. P. S. Sharm, Vice-Chancellor, AUH
Prof. Padmakali Banerjee, Vice-Chancellor, AUH
Maj Gen B. S. Suhag, Dy Vice-Chancellor, AUH
- Cotwener:** Prof. Rajendra Prasad, Director, AIR & AIISH
- Organising Secretary:** Dr. Muchavelli Singh, AIB & AIISH
- Advisor:** Prof. P. S. Kule, Director, MGRI
- Resource Persons:** Dr. K. R. Yadav, Dy Director, Bioprocessing & Herbal, MGRI
Mr. K. Ravi Kumar, Dy Director, Rural Energy & Infra., MGRI
Mr. K. Venkat Kumar, Dy Director, Rural Craft & Engineering, MGRI
Mr. H. D. Sinoor, Dy Director, Khadi & Textile, MGRI
- Coordinators:** Prof. Bura Prasad, AIB
Dr. Vivek Ballyan, AIA
Dr. Kushagra Rajendra ASEES
Ms. Reena Nigam, ASI
- Stage Secretary:** Dr. Sangeeta Kumari, AIB
- Hospitality Coordinator:** Dr. Saif Hameed, AIB
- Registration:** Dr. Neelam Yadav, AIB
Dr. Kamakshi Gupta, AIB
- Transport Coordinator:** Dr. Munindra Ruwali, AIB
- Stage Management:** Dr. Manju Sharma, AIB
Dr. Gargi Bagchi, AIB
- Research Volunteers:** Rishab Aswal, Vipin Tyagi, Abhay Singh,
Julie P. Singh, Rambha, Gunjan Dagar,
Manisha Dagar, Pavleen Rali, Amandeep,
Shweta Singh, Moiz Ansari.
- Media Coordinator:** Prof. E. Jainiti, ASCO
- Student Volunteers:** Amit, Soni, Himanshu, Gunjana, Srinath.

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INVITATION LETTER BY THE CONVENOR

14th August, 2015

Chief Guest
Dr. Anil Kumar, Director
President, MSME
State Secretary, MSME
Chairman, MSME
Patron
Prof. P. S. Jaiswal
Vice-Chairman, MSME
Prof. P. S. Jaiswal, Director, IIT
Vice-Chairman, MSME
Major, IBS, MSME
Dr. Virendra Kumar, MSME
Convenor
Prof. Rajendra Prasad
Director, IIT, MSME
Advisor
Prof. P. S. Jaiswal
Organizer, MSME
Resource Persons
Dr. V. S. Yadava
Dr. G. R. S. Yadava
Mr. K. J. S. Yadava
Dr. D. S. Yadava
Mr. K. S. Yadava
Dr. D. S. Yadava
Mr. H. D. S. Yadava
Dr. D. S. Yadava
Dr. M. S. Yadava
AD & MSME
Coordinator
Prof. B. S. Yadava, IIT
Dr. V. S. Yadava, IIT
Dr. S. S. Yadava, IIT
Ms. R. S. Yadava, IIT
Registration
Dr. S. S. Yadava, IIT
Dr. K. S. Yadava, IIT
State Secretary
Dr. S. S. Yadava, IIT
State Management
Dr. M. S. Yadava, IIT
Dr. G. S. Yadava, IIT
Media Coordinator
Prof. P. S. Jaiswal, IIT
Hospitality Coordinator
Dr. S. S. Yadava, IIT
Transport Coordinator
Dr. M. S. Yadava, IIT
Research Volunteers
Rishabh, Anshu, Vipul, Tyagi,
Abhishek, Jyoti, P. S. Yadava,
Rambha, Gunjan, Duggal,
Manjira, Grace, Parvati Ball,
Amanjot, Shweta Singh,
Mansi Anand

Dear Colleagues

Under our recently signed MOU with Mahatma Gandhi Institute of Rural Industrialization, Wardha, MGJRI is a national institute under Ministry of MSME, Govt. of India. We are organising a National Workshop on "Technology Awareness Programme for Potential Young Entrepreneurs to Start Their Own Business" jointly organised by Amity Institute of Biotechnology (AIB), Amity Institute of Integrated Science & Research (AIISH) in association with Mahatma Gandhi Institute of Rural Industrialization on August 18th 2015.

I am honoured to invite you to be part of the program during the workshop on 18th 2015 (Day – Tuesday) at Amity University Campus, Manesar. Your participation and blessings shall encourage us and the participants from all over the India.

I would further request you to nominate faculties and students to attend this workshop. Please find attached with the copy of program. We encourage maximum participation of final and pre final year students towards the entrepreneurship drive for becoming job provider and start up builders of the nation.

Sincere regards

Prof. (Dr.) Rajendra Prasad

Ph.D, FNASc, FASc, FNA

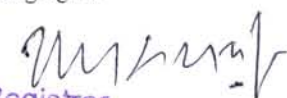
Director

Amity Institute of Biotechnology

Amity Institute of Integrated Science & Health

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PROGRAM

Event Details		
10:00 - 10:30 AM	Networking Tea with Guests	VIP Lounge
10:30 - 11:00 AM	Welcome Address by Dr. R. Prasad Director, AISH & Director AIB Opening Remarks by Dr. Padmakalibanerjee, P.V.C, AUG Vice Chancellor's Address by Dr. P. H. Sharma, VC, AUG	Auditorium 8-Block
11:00 - 11:30 AM	Inaugural Address on "Technology Awareness and Dissemination of Knowledge towards Rural Industrialization for Community" by Prof. P. B. Kale, Director, MGRI, Wardha	
11:30 - 12:00 PM	Genesis of MGRI & Felicitations	
12:00 - 12:30 PM	Commercially Viable Technology Products for Micro & Small Scale for potential Entrepreneurs by Dr. R. Yadav, Dy. Director, B&I Div, MGRI, Wardha.	
12:30 - 1:00 PM	"Technology based on Solar Energy for Rural Industry" by Mr. K. Ravi Kumar, Dy. Director, Energy and Infrastructure Div, MGRI, Wardha.	
1:00 - 01:30 PM	"Commercially viable technology products by rural craft and engineering department by Mr. K. Venkat Rao, Dy. Director, Rural craft and engineering Div, MGRI, Wardha.	
1:30 - 2:00 PM	Appropriate Technology for Khadi & Technology By Mr. H. D. Sinnur, PSO, J&T Div, Wardha	
2:00 - 2:30 PM	Open House Discussion with LUNCH	VIP Lounge
2.30-4.00 PM	Panel Discussion "Building the Rural Innovation a Key to globalization of Make in India Plan" Chair: Prof. Padmakali Banerjee, Pro-VC, Amity University Haryana and Prof. P. B. Kale, Director, MGRI Moderator: Prof. R. Jendra Prasad. Convenor Participants - Dr. Karn Raj Yadav, Mr. K. Ravi Kumar, Mr. K. Venkat Kumar Rao, Mr. H. D. Sinnur, Maj Gen V. K. Narang, Prof. J. P. Dudeja, Prof. R. K. Malik, Prof. Vikas M. Dhukar, Prof. S. K. Ray, Prof. Priti Singh, Prof. Bhaswina Adikari, Prof. Kiran Devendra, Dr. Ranjan K. Malik, Dr. Seema Pathak, Ms. Reena Nigam, Mr. Rikhil Nagpal, Dr. Vivek Ballyan, Dr. Anjali Verma, Dr. Kushagra Rajendra & Dr. Machiavelli Singh.	
4.00-4.30 PM	Workshop briefing, suggestions and feedback from Scientist Students direct interaction on Govt. Schemes	
4:30-4:45 PM	Tea	VIP Lounge
4:45-5:15 PM	Amity farm visit and campus tour	Campus
7.00-8.30 PM	Interaction with motivated students Moderators: Dr. Machiavelli Singh, Dr. Burra Prasad, Dr. Kushagra	VIP Lounge

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National Workshop "Technology Awareness Programme for Potential Young
Entrepreneurs to Start Their Own Business" by MGIRI-AUH held on 17th August
2015 at Amity University Gurgaon

DAY 1 (17.08.2015):

Arrival and reception of delegation:

A delegation of eminent researcher and grassroots innovators led by Prof (Dr) P. S. Kale, Director, Mahatma Gandhi Institute of Rural Industrialisation (MGIRI), MSME, GOI along with Dr. K. R. Yadav, Deputy Director (Bio-Processing & Herbal), Mr. K. Ravi Kumar Dy. Director, Rural Energy & Infrastructure, Mr. K. Venkat Kumar Rao, Dy Director, Rural Craft & Engineering, Mr. H. D. Sriniv, Dy Director, Khadi & Textile, arrived at Amity University Haryana Campus for conducting National Workshop "Technology Awareness Programme for Potential Young Entrepreneurs to Start Their Own Business".

The delegation was received at the campus on 17th August 2015 followed by interaction meetings with senior leaders of the university, including Vice Chancellor Prof (Dr) P. S. Sharma and Pro-Vice Chancellor Prof (Dr) Padmakali Banerjee to set agenda for the next days national workshop and strengthen the tie ups between both institutions of higher learning and innovation.

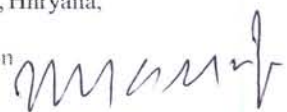
DAY 2 (18.08.2015): National Workshop

Registration of Participants:

A total of 286 students of different Schools, Institutes and Departments from Amity University Haryana registered for the national workshop along with many faculty members, in the end 233 response sheets with feedback were collected from participating students and faculty members. (Participants list is attached in Annexure 1).

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Networking Meeting.

The National Workshop started with networking tea in the VIP Lounge at 10:00 am. Prof. (Dr.) Rajender Prasad, Director AIO & AIISH welcomed and greeted the team and discussed modalities of the day. Delegates were shared mission and vision of Amity under the leadership of founder President. Prof. (Dr.) P. B. Kale was very much impressed with foresightedness and mission taken by Founder President.

Inaugural Session

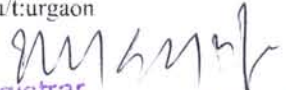


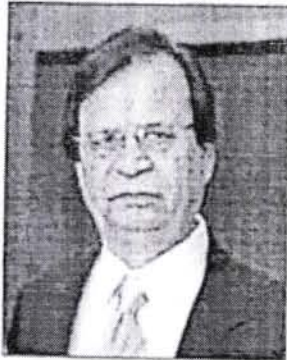
Introduction and compering of the workshop was carried out by Dr. Sangeeta Kumari. Inaugural session formally started with lamp lighting by the honourable Vice Chancellor, Pro- Vice Chancellor, Director, MGRI and Convenor of Workshop followed by a floral welcome to all resource persons.

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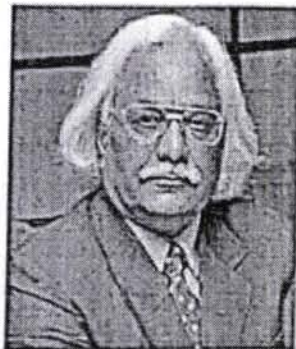

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Prof. (Dr) P. B. Kale along with his team was formally welcomed by the Conference Convenor Prof. (Or) Rajendra Prasad, who emphasized the need of blending of scientific and societal need in complementary manner. While welcoming the distinguished and eminent scientist, he briefly introduced the background of this workshop and recently signed MOU between MGIRJ and AUH in establishing joint efforts at the grass root and rural innovations at Amity University, Gurgaon.



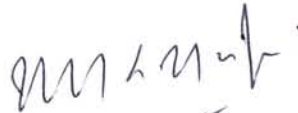
Prof. (Dr) Padmakali Banerjee, Pro-Vice Chancellor, in her opening remarks, spoke about empowering our villages through technology transfer. She also highlighted that the innovative Curriculum & research agenda at Amity University has integrated the need to provide solution to problems in the rural sector. She also gave glimpses of several initiatives taken at Amity University Haryana in domain of the this workshop.



At the outset, Hon'ble Vice Chancellor, Prof. Dr. P.B. Sharma, welcomed the august presence of Professor P B Kale and his team, comprised of Dr K R Yadav, Deputy Director (Bio-Processing & Herbal), Mr K. Ravi Kumar Dy Director, Rural Energy & Infrastructure, Mr K. Venkat Kumar Rao, Dy Director, Rural Craft & Engineering, Mr H. D. Sinnur, Dy Director, Khadi & Textile. He conveyed the warm greetings of our Hon'ble Founder, President Dr. Ashok K Chauhan for whom scientific research of world quality and technological innovations of high value to society and industry have become a passion to build Amity University as the top ranked research and innovation driven university of the world.

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Vice Chancellor Prof. P. B. Sharma in his inspiring welcome address said that Amity is highly privileged to organize this important workshop on 18th August 2015. He advocated the supporting, upgrading and accelerating of the process of rural industrialization in the country so that we may move towards the Gandhian vision of a sustainable village economy self-sufficient in employment, solving the monumental problems of today as well as that of tomorrow on the strength of the synergy between science and engineering to get best rural outputs of global competitiveness. The Vice Chancellor concluded by stating "Together Amity University and MGIRI shall pave the way for a new era of rural innovations by providing services to rural entrepreneurs, piloting projects and transferring technologies by conducting joint workshops, running programs and providing skill based training".

Hon'ble Vice Chancellor, Prof. Dr. P.B.Sharma, Pro-VC Prof. Padmakali Banerjee, Prof. Rajendra Prasad and Maj. General VK Narang felicitated Prof (Dr) P B Kale, Director, Mahatma Gandhi Institute of Rural Industrialisation (MGIRI), along with Dr K R Yadav, Deputy Director (Bio-Processing & Herbal), Mr K. Ravi Kumar Dy Director, Energy & Infrastructure, Mr K. Venkat Kumar Rao, Dy Director, Rural Craft & Engineering, Mr H. D. Sumur, Dy Director, Khadi & Textile with Amity Memento.



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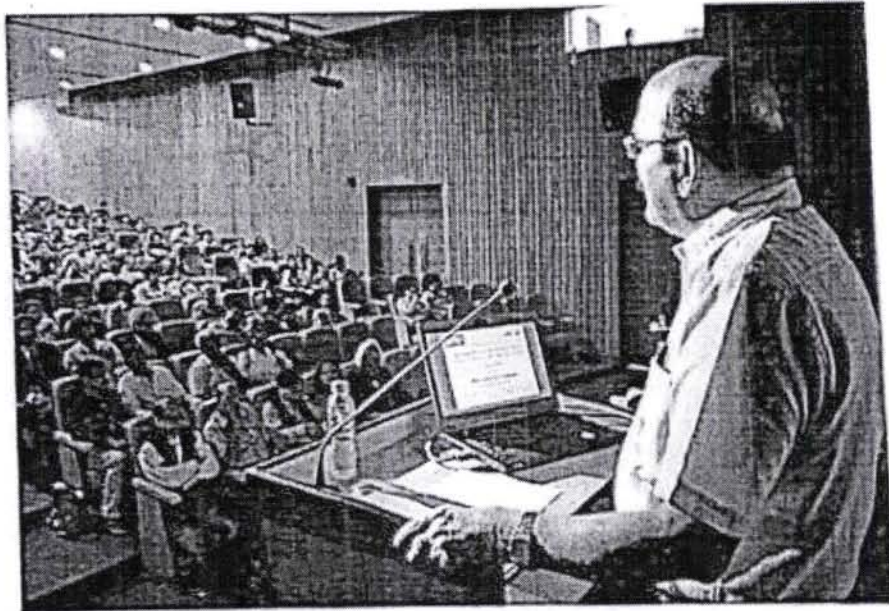
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Technical Session

Prof. Kale delivered a scientific talk on the "Technology Awareness and Dissemination of Knowledge towards Rural Industrialization for Community". He gave an excellent presentation on technology awareness and thought, and spoke on the new facets of Rural Industrialisation. He brought out the hidden potential of bioprocessed & herbal products market under "Make in India" mission. He further spoke about the Gandhian ideology and sustainability through home grown innovative product production, cleaner environment systems, organic food, as well as spreading awareness among rural and farming community about these aspects.

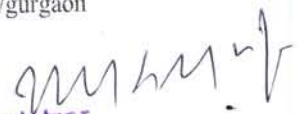
The aim and scope of the session was to upgrade and accelerate the process of rural industrialization for social sustainability, attracting talent to facilitate industries, foster creativity and promote innovation with research and development awareness by dissemination of knowledge towards the skill development in youth. It covered the technical, scientific strengths of both partners and discussed platform sharing and capacity building among the partners. Prof. Kale offered to set up MGIRI's TECHNOLOGY TRANSFER CENTRE at Amity University Haryana.



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MGIRI is operating in the area of rural technologies, bio-processing of Agro and Herbal products, rural crafts and khadi textile, which are alternative to synthetic products that pose a threat to human health in the future. Even though the adverse effects of chemical exposure are known regulation is minimal in India and the incidence of cancerous disease is on the rise. He discussed the rural craft engineering and also stressed on the potential of Solar Charka and Solar Mills usage in industry and upcoming demand of solar products in rural India. Prof. Kale raised concerns about the economic security of the labor force and community for the development of a systematic approach to self-help programs and making them individual entrepreneurs, with an aim to unify physical, chemical and biological energies to better understand our duties towards humanity. He complimented Amity for having made efforts to contribute towards "Make in India" campaign through research and skill development mission. He advocated the styling of Agriculture as a separate domain through the starting of Amity Institute of Agriculture. He offered MGIRI's support for the regulatory clearances & regulatory decisions, if required.

All the inaugural address of Prof Kale and MGIRI team member honoured our Hon'ble Vice Chancellor, Prof: (Dr.) P. B. Sharma, Pro Vice Chancellor Prof Padmakali Banerjee along with the Convenor of the workshop Prof. Rajendra Prasad with MSME – MGIRI's "Samman Chitri" as a token of appreciation and acknowledgment.



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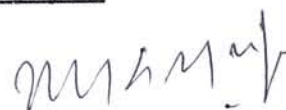
Film of MGIRI: A short film of twenty minutes on genesis of MGIRI was shown depicting the revolutionary work carried out by MGIRI towards disseminating the mission of Father of Nation. The film inspired everyone to work towards rural and grass root innovations.

Dr. K. R. Yadav, Dy. Director, Bioprocessing & Herbal Division MGIRI, gave a talk on "Commercially Viable Technology Products for Micro & Small Scale for potential Entrepreneurs". He emphasized on the technologies developed to transform the rural organic products by Bioprocessing. Dr. Yadav gave an interactive picture of the functioning of his division Bioprocessing and Herbal at MGIRI. His division is functioning towards new products and technology development, quality control, quality assurance & standardization, training and awareness programs, etc. to develop new entrepreneurs and create employment for the country by considering the demand from rural India as well as micro, small and cottage industries in the country.

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The division is basically working in three sectors namely Food products, Herbal & cosmetic Panchgavya based products and Agri-inputs. The division has developed various products and technology and is providing training program to disseminate the technology to the end user. In his presentation he gave an overview of various types of products which have been developed in the division and ready for dissemination. These products included Amla Based products like Amla Lada, Amla Burti, Candy, Murraba, Juice, Chocolate based amla chikki, Jam, jellies, squash, Chawan Prass, herbal tea etc., Soya bean Based Products like Soya bean milk, Pmeer, Shri Khand, Curd etc. Value added bakery products like, pro-biotics honey and neutra-ceutical honey, various types of Ayurvedic and herbal based products like symp, Chuma, neutra-ceutical, cosmetic and herbal gual etc, products based on panchgavya like white floor cleaner, mosquito repellent, hair oil, Dant manjan, face pack, soap and shampoo etc., the agro-based inputs products plant growth promoter from human hair, Bio-fertilizers, bio-pesticide, pest repellent based on Neem oil, NPKC and microbial testing kits for bio manure, soil etc.

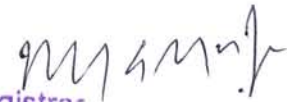
He gave glimpses of training & skilling, consultancy and outreach programme of his division. The department has trained over seven hundred participants during the last 5 years and out of those 150 participants have started their own micro-scales units throughout the country and are earning 10.0 to 50.0 lakhs annum, depending upon the unit capacity. The department is also providing consultancy to micro and small entrepreneurs to set up their unit, product standardization, quality control and quality assurance support and short term & long term incubation to the potential entrepreneurs. The department has sophisticated equipment and instruments required for process development, quality control and finished products, etc. like HPTLC, HPLC, Spectrophotometer, GC, Fermenters, Spray dryer, small bakery units, filling unit, granulator and tablet making machine.

He summed up with providing the details of Govt. schemes for young potential entrepreneurs like PMEGP, NABARD, etc. and shared a few stories of successful entrepreneurs and appealed to all the participants to start their own business and provide employment to youth to make the country self-reliant.

In technical session on "Technology based on Solar Energy for Rural Industry" Mr K. Ravi Kumar, Dy. Director, Rural Energy and Infrastructure Division of MGIRI provided an

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Overview of the mission and functioning of MGIRI that has revolutionized industries and is also constantly supporting micro, small and medium scale industries of India. He gave a brief update on different initiatives of MGIRI including artisan training and marketing through online interventions which were well received by many entrepreneurs. His major emphasis was energy sector that support MGIRI has provided mainly in the renewable solar sector by redesign and system engineering. A brief report of equipment designed and tested by MGIRI for small sector industries was presented, including different scales of solar charkha, handlooms which successfully improved the efficiency as well as quality of products. He explained the importance of MSMEs as they are the back bone of India since 60-70% of the employment is generated through this sector, and it contributes a major part in the GDP.

Mr. Ravikumar talked about why MGIRI has been restructured from KVIC to address the problems existing in MSME sector like lack of innovations, S&T Interventions, poor quality, lack of productivity and lack of proper HRD and also to find some solutions through their R&D activities. He explained how REI Division addresses the problems of MSMEs by;

Considering the demand sector in terms of segments needing the smallest level of energy and work out strategies to fulfil the energy needs through innovative use of local resources.

Redesigning products/processes with a view to optimize energy needs and to arrive at devices/systems/energy mixes to best fit products/scales.

Demonstrating the 'community scaling of technologies' through designs of appropriate 'man-machine systems' to ensure employment without sacrificing quality and productivity needed for global competence.

Expediting innovations in the mass consumption sectors of food, clothing and shelter and help bring sustainable lifestyles and cost reductions through a focus on 'building-elements', 'passive structures', substitution/minimization of transportation/packaging while at the same time encouraging waste recycling

Enhancing equity/human dignity through innovative energy-support in terms of working tools/systems to artisans, women, weaker sections, handicapped etc.

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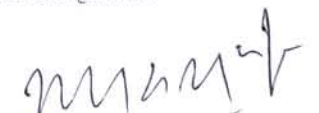
Helping to develop the 'software' aspects like energy audit/energy conservation/ decentralized energy strategies considering viable clusters of Panchayats as units of micro level planning.

He gave information about products developed by REI Division like Solar Charkha, Solar loom, Solar Dal mill, Packaging machines, filling machines (both powder and liquid), Solar Garment unit etc. and also showed a Video clipping of Solar Garment unit at Asti and Solar power loom demonstration at Tirupur, Tamil Nadu.

The next session was on "Commercially viable technology products by rural craft and engineering" by Mr K. Venkat Rao, Dy. Director Rural craft and engineering Division, MGIRI, Wardha. Dr Rao gave a brief vision of MGIRI, i.e. to upgrade the skills, creativity and productivity of rural artisans and to provide scientific and technological inputs for quality improvement of their products, the design and fabrication of prototypes, tools, machineries for suitable value addition to the rural artisans; a novel way to engage rural youth for nation building. He also emphasized on the dissemination of technologies through prototype design, training and via incubation of young and new entrepreneurs. The Dept. is working with a vision to support, upgrade and accelerate the process of rural industrialization, to move towards the Gandhian Vision of sustainable village economy self-sufficient in employment opportunities and to provide S&T inputs to make the rural craft products and services in line with the need of time. He said that the rural craft sector was the 2nd largest employment generating sector after agriculture sector in India and the rural craft sector is declining day by day. The RC&E Dept. is working on the directions of Terracotta craft, Wood & Bamboo craft, Khadi bag craft, Iron Craft and bell metal craft, based on the road map of MGIRI for rural craft sector. The Dept. has initiated different level of skill & product development training programs to the artisans having a different skill levels. This Dept. has developed new innovative products having contemporary lifestyle orientation & commercial viability, according to present consumer taste and market demand. This Division also provided support in design and fabrication of prototypes and machines for development of new products.

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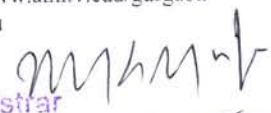
The Khadi and Textile were the next theme for a presentation that was on "Appropriate Technology for Khadi & Technology" by Mr H.D. Simur, PSO, K&T Division. He presented the mission of KVIC in relation with other Khadi perspectives on quality assurance in Khadi industry, finishing technology for fabric and garment, mercerization mechanism and natural dyeing of khadi. His presentation includes the qualitative as well quantitative improvement of khadi products and processes. In order to enhance the environmental friendly nature of khadi, several new resources like natural dyes need to be explored. A range of innovative products including 24 spindel NMC motorised charka, Balakalsil Carding machine, pre-spinning machine of different range, solar yarn knitting products, charka fitted with fan were presented. He further focused on Khadi sector and presented the qualities of Khadi. Khadi sector has enormous potential to generate employment and fulfil the need of the country by bringing minor modernization.

India being a young country having more than 65% youth, there are all possibilities to make Khadi attractive to youth by adding all the components like design, colour, good quality fabric etc. required for the younger generation. The lacunas of present khadi can be overcome by adopting new technologies, he added. He has stressed the need to adopt trendy garment designs for the manufacture of youth attractive garments and asked to dye the fabric with natural dyes. He also informed about MGIRI's efforts to launch a website especially for providing vibrant woven and trendy garment designs to the public free of cost. He has also explained in brief how youth attractive garments can be made at low cost by adopting technologies developed by MGIU like, wrinkle free finish technology, soft & stiff finish technology, natural dyeing technology etc.

The technical session was followed by a networking lunch with organizing committee members that turned into an informal brainstorming session on different aspects of potential area of collaboration with MGIU and Amity University Haryana.

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Panel Discussion

The Panel Discussion on "Building the Rural Innovation a Key to the globalization of Make in India Plan"

Chair: Prof Padmakali Banerjee, Pro-VC, Amity University Haryana and Prof P B Kale, Director, MGIRI

Moderator-Prof Rajendra Prasad, Co-ordinator

Participants- Dr Karm Raj Yallav, Mr K. Ravi Kumar, Mr K. Venkat Kumar Rao, Mr H. D. Sinnur, Maj Gen V K Nuring, Prof: J.P. Dutleja, Prof R. K Malik, Prof. Vikas Madhukar, Prof. S. K. Ray, Prof: Priti Singh, Prof Bhavana Adikari, Prof Kiran Devendra, Dr Ranjan K Malik, Dr Secma Pathak, Ms Reena Nigam, Mr Rikhil Nagpal, Dr Viveck Ballyan, Dr Anjali Verma, Dr. Kushagra Rajendra & Dr Machiavelli Singh. (Participants list is attached in Annexure 2)

In a brief participation Hon'ble VC Prof (Dr) P B Sharma mentioned identifying potential areas for collaboration and expecting a fruitful and long lasting collaboration on various areas.

After a very intense panel discussion, following suggestions were unanimously agreed upon:

1. Multidisciplinary Projects must be promoted wherein a team of students from different disciplines should be identified and a group of Hlcully should collaborate projects with MGliU.
2. A group of faculty should come to MGIRI under *train the trainer* program for bidding research projects, initiating new areas of technology based research targeting rural need and training at AUH.
3. Encourage university students and rural youth with government policies and schemes for undertaking entrepreneurship projects and their successful execution.
4. A joint centre for MGIRI and AUH combined activities must be thought of on campus to boost rural and grassroots innovations for local rural society by engaging potential researcher and students to carry out need based projects.
5. The university should promote synergy among eminent scientists, farmers, artisans and faculty members for quality research and innovations.

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6. Proposal to establish a Rural Innovation Incubator facilities for students and faculty in Amity University which accelerate innovations and shall give rise to the accelerated growth of start-ups, and new age enterprises.
7. Amity University Gurgaon (AUH) and Mahatma Gandhi Institute of Rural Industrialization (MGIRI) may take lead in creating a Gandhian Vision for a New Age University towards Rural Innovative Drive.

Campus Tour

After the formal workshop session, the delegation was taken for a campus tour from 4:30 to 5:15pm with Dr Machiavelli Singh, Dr Vivek Ballyan, Dr Kushagra Rajendra and Mr. Sanjeev Rathi. They visited the orchards, agricultural fields, Amity Military School, dog unit and cattle farm. The delegation was impressed with the self-sustainable model at the university and the clarity in implementation of Amity's vision & mission. They assured all possible support for agricultural and horticultural activities by MGIRI. It was also proposed to support local farmers through different outreach programs including training, workshop and seminar at the University by Agriculture division. They discussed the agro-products in the farms related to bio-treatment and fertigation (liquid bio-fertiliser in drip irrigation). They assured to provide several medicinal plants from MGIRI to enrich herbal garden at AUH.


Student Interaction

A special session was organized for the interaction of motivated students to answer their queries on different aspects of grass root and rural innovations linked entrepreneurship possibilities with resource persons in the VIP lounge in the evening (7:00 PM to 8:30 PM). Large number of students turned up to share their views and potential projects for direction and possible troubleshooting from MGIRI scientist. The session was moderated by Dr. Machiavelli Singh, Dr. Burra Prasad and Dr. Kushagra Rajendra. In his very brief presence, Prof A. K. Raghav also catalysed the session with his experience and ongoing innovation activities in the campus.

Prof Kale set a stage for the discussion by mentioning that rural industrialization is a key concept to give implies to PM's "Make in India" program. He motivated students from

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Biotechnology, Engineering and Applied Science domain who actively shared their view and concepts with him Prof Kale offered the young faculty to come to MGIRI for Train the Trainer program on all the areas like Bioprocessing & Herbal, on Soil testing kit, Microbial testing kit, Panehgavya & Solar LED lamp fabrication. Prof. Kale strongly suggested developing a sound base for product development and skill development for youth and unemployed in rural and weaker section of society. He emphasized on adoption of live villages to develop the relations with farmers and youth community on this issue of rural industrialization and youth employability. He also suggested, attracting better talent and network, in making Amity a wheel spinner in this rural industrialization mission of our PM. Prof. Kale proposed to write a joint proposal on technology evaluation, product development in collaboration with MGIRI counterpart to be reviewed by him. In the end Prof Kale invited a delegation of all the AUH leaders, VC, Registrar, Deans, faculty and students to MGIRI after this one day national workshop on rural industrialization to explore more at MGIRI for futuristic collaborations and joint exercises. (Participants list is attached in Annexure 3)

Professor Kale acknowledged organizing committee, university leadership and AUH for this joint successful exercise. Prof Kale appreciated the whole program for its grand success with a large number of registrations, active participation of students and interactive sessions regarding rural innovations and technologies towards self-sustainability of the nation building plan. He conveyed his regards to the Founder President. He is hopeful of more technical, scientific and entrepreneurship programs to be conducted as committed in the joint MOU signed between GIRI and AUH on July 1st, 2015.


Future Ahead

1. Train the Trainer program: It has been mutually agreed by Amity University and MGIRI to launch train the trainers program and UG / PG student internship in the following disciplines:

- Khadi and Textile
- Rural Crafts
- Plant Growth Promoters

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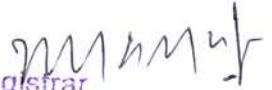
Agriculture!
Panchgavya
Rural technologies

2. Technology Transfer Centre (TTC): Establishment of Technology Transfer Centre in joint collaboration with MGRI and AUI is proposed and will be inaugurated during the National Innovation Conclave 2015 at Amity University Gurgaon. The potential technologies will be displayed as a joint exercise of both institutions

- ii. Joint Project Work: To develop, improve or disseminate the following projects: Plant Growth Promoters: To work on the efficacy and quality improvement of PGPR.
Fertigation Technology: Pilot / field based study in agriculture units of Amity University in collaboration with MGRI via drip irrigation and liquid formulation.

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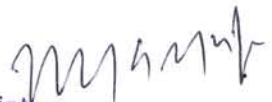
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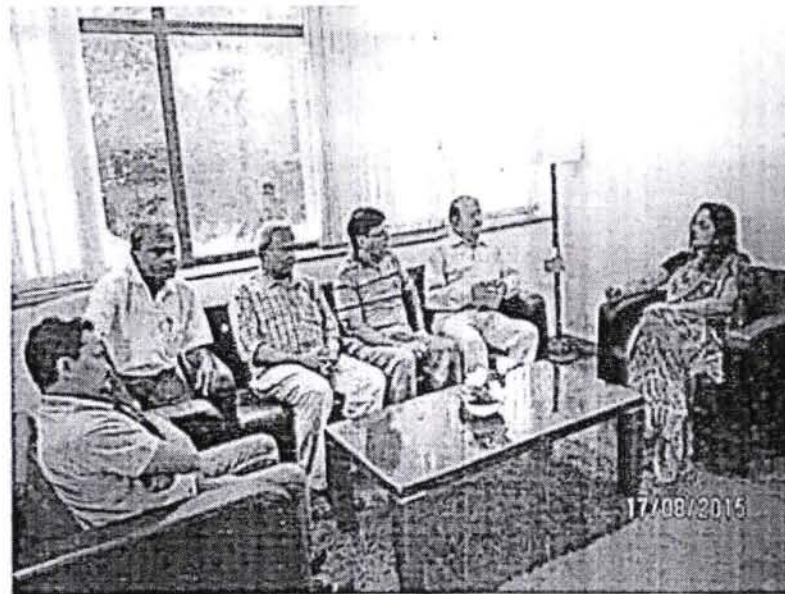

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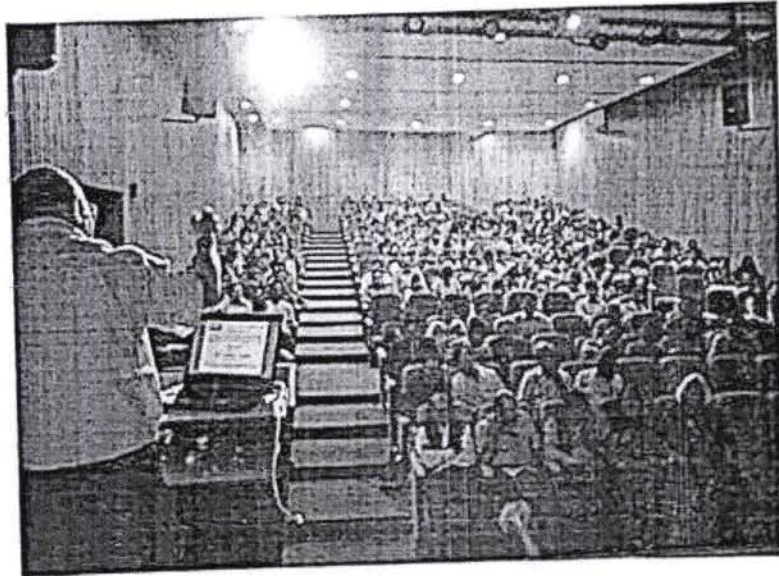
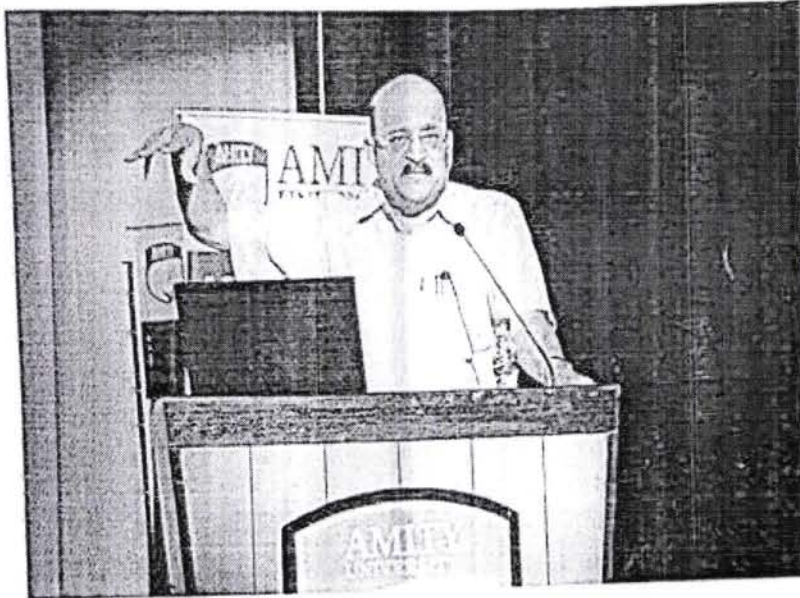

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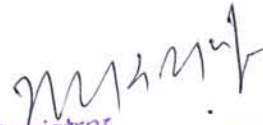
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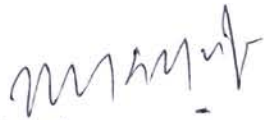
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Sr.No	Event	Guest Name	Date	Profile	Reports
1	Guest Lecture	Armit, bu C. B. padhyay	06.08.2015	NO	Yes
2	Orientation Program	Dr Rakesh Bhatnagar	10.08.2015	Yes	0
3	National Workshop(MGIRI)	Dr P.B. Kale	18.08.2015	Yes	Yes
4	Guest Lecture	Dr Shamik Ghosh, Dr G. Harish Kumar	21.08.2015	Yes	Yes
5	Guest Lecture	Mr Denis Dambois	09.10.2015	Yes	Yes
6	Conference	Dr Mohd Aslam	20.10.2015	Yes	Yes
7	Guest Lecture	Dr R.S. Verma	26.10.2015	Yes	Yes
8	Guest Lecture	Dr Kirk R Smith	06.11.2015	Yes	Yes
9	Minisymposium on Cancer	Dr Gopal Kundu, Dr Hasan Mukhtar, Dr Maqsood Siddiqi	17.11.2015	Yes	Yes
10	Industrial Connect Meet	Dr Gregoire Gattme	16.12.2015	Yes	Yes
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11	Guest Lecture	Dr Bal Ram Singh	13.01.2016	Yes	Yes
12	Half Day Workshop	Dr Vivek Dahiya	22.01.2016	Yes	Yes
13	Two day International Conference		19-20.02.2016	NO	Yes
14	Students Visit (Yakult Danone India Ltd	UG/PG Course	29.02.2016	NO	Yes

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15	Seminar	Dr Dlnakar Salunke	01.03.2016	Yes	NC
16	ABC Seminar	Dr Arumugam Jayakumar	02.03.2016	Yes	Yes


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17	Seminar	Dr.Gowindjeo	03.03.2016	Yes	Yes
18	Seminar	DrSham S.Kakra	04.03.2016	Yes	Yes
19	Lecture	DrRaviDattaSharma	11.03.2016	Yes	Yes
20	Students Visit(QNU)	UG/PG Course	05.04.2016	NO	Yes
21	Guest Lecture	Dr M.R. Murthy	07.04.2016	Yes	Yes
22	Guest Lecture	DrSabareesh V.	08.04.2016	Yes	Yes
23	ABC Biotech Club (Guest Lecture)	DrAvinash Bajaj	25.04.2016	Yes	Yes
24	Guest Lecture	Dr Narendra Tuteja	17.05.2016	Yes	Yes
25	Guest Lecture	Dr Chinmay Mukhopadhyay	27.05.2016	Yes	Yes
26	Guest Lecture	DrVinay Nandicoori	08.06.2016	Yes	
27	Lecture	Dr. Krishna Murari Sinha	20.06.2016		NO
28	Guest Lecture	Dr / \$Thakur	21.06.2016	Yes	Yes
29	Guest Lecture	Dr Pawan Dhar	24.06.2016	Yes	NO
30	Guest Lecture	Dr. Jayendra Shukla	27.06.2016	Yes	Yes
31	Guest Lecture	D Ashwini Chauhan	05.07.2016	YES	
32	Guest Lecture	PROF. PRASHANATH SIJRAVAIHALA	15.07.16	YES	Yes
33	WORKSHOP	Prof. R K BAHL, INDO SPANISH WRITING(SJ10P	15.07.16	YES	Yes
34	Guest Lecture	Geetanjali Chawla	25.07.16	YES	Yes
35					

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 Registrar
 Amity University, Haryana
 Manesar, Gurgaon-122413

AIB Faculty Details 2016

S. No.	Faculty Name	Designation
1	Prof.(Dr) Rajendra Parsad	Director
2	Prof (Dr) SM Paul Khurana	Professor
3	Prof S.K.Ray	Professor
4	Dr Burra Prasad	Professor
5	Dr Machiavelli	Assistant Professor
6	Dr Gargi	Associate Professor
7	Dr Manju	Assistant Professor
8	Dr Saif Hameed	Assistant Professor
9	Dr Nitai Deb Nath	Assistant Professor
10	Dr Anil Kumar	Assistant Professor
11	Dr Sarika Chaturvedi	Assistant Professor
12	Ms Shikha Khandelwal	Assistant Professor
13	Dr Sangita V	Assistant Professor
14	Dr Sangeeta Kumari	Assistant Professor
15	Dr Sudhanshu	Assistant Professor
16	Dr Zeeshan	Assistant Professor
17	Dr Munindra	Assistant Professor
18	Dr Tani Agarwal	Assistant Professor
19	Dr Sumistha	Assistant Professor
20	Dr Gaurav	Assistant Professor
21	Dr Ravi	Assistant Professor
22	Dr Avinash Marwal	Assistant Professor
23	Dr Manju Anand	Professor
24	Dr Narender Kumar	Asst. Professor
25	Dr B.Sen	Assc. Professor
26	Dr Surender	Asst. Professor
27	Dr Kirshan Murrat	Assc. Professor
28	Dr Ujjani	Asst. Professor

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Ujjani Basgupta


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 Amity University Gurgaon
 Manesar, Gurgaon-122413

A Day of Exploring Funding Opportunities at Amity University Haryana

October 20, 2015, Venue: A-Block Conference Room

A day of exploring funding opportunities aims to nurture large number of faculties of AUG having potential to do quality research. Considering the vision and mission of our Founder President, expert guidance from eminent Scientists from a reputed Government Funding Department who efficiently handles several minor and mega fundings and programme support etc. will be visiting AUG. The faculties will take advantage of their experience and will get first hand information about various funding opportunities, handling of project applications, processing, evaluation and 'secret' of successful proposal.

Meet and Greet Tea in VIP lounge

10:00-11:00 a.m.

Invited Guests

Dr. Harish Kumar, DST
 Dr. Rajesh Luthra, CSIR
 Dr. V.K. Srivastava, ICMR
 Dr. M. Aslam, DBT
 Dr. Arvind Duggal, DBT

AUG Dignitaries

Prof. P. B. Sharma, VC, AUH
 Major Gen. B.S. Suhag, DVC, AUH
 Prof. Padmakali Banerjee, PVC, AUH
 Prof. Rajendra Prasad, Director, AIISH & AIB, AUH

Group Photograph

Open House Interaction

11:00-1:00 p.m.

Opening remarks by invited guests

Interactive Session: Potential faculty members will discuss different facets of project announcements/thematic calls, origin of proposal, submission, quality and chances of success of a proposal.

Lunch

1:00-2:00 p.m.

Departure

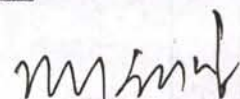
2:30 p.m.

Convener

Prof. Rajendra Prasad
 Director, AIISH & AIB
rprasad@ggn.amity.edu

Organizing Secretaries

Dr. Saif Hameed, AIB
shameed@ggn.amity.edu
 Dr. Zeeshan Fatima, AIB
zfatima@ggn.amity.edu



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 Amity University Haryana
 Manesar Gurgaon-122413

A Day of Exploring Funding Opportunities at Amity University Haryana

October 20, 2015

Venue: B-Block Conference Hall, Amity University Haryana

Considering the vision and mission of our Founder President and our Chancellor to make world-class research and innovation hub at Amity University "A day of exploring funding opportunities" was organized on 20th October, 2015 with the very enthusiastic support of our Vice Chancellor. For this, eminent Scientists from major Government Funding Agencies **DST, CSIR, DBT and ICMR** who are experts in handling several minor and mega funding's and national and international programmes, support etc. were invited. The aim of organizing such an event was of two folds. On one hand, it was aimed to provide AUG faculty, a face to face interaction with those who matters in Government funding circuitry and on the other hand, it was also an attempt to sensitize funding agencies officials who matters to privately sponsored R & D in large and in particular to AUG. The AUG faculty enthusiastically participated in an interactive session and gained advantage of their experience and received first hand information about various funding opportunities, handling of project - application, processing, evaluation and 'secret' of successful proposal. The event successfully achieved its aim to nurture and ignite large number of young and dynamic faculties of AUG having potential to do quality research.

Following are senior functionaries from Government Funding agencies who were invited and who participated in the event.

Dr. G.Harish Kumar

Scientist

SERC-Division

DST, New Delhi

harishkumar@nic.in

011-26590334

Dr. Mohd. Aslam

Adviser (Scientist 'G')

Department of Biotechnology,

Ministry of Science & Technology, New Delhi

aslam@dbt.nic.in

011-24363057

Dr Rajesh Luthra

Head, Human Resource Development Group,

Council of Scientific and Industrial Research

New Delhi


Registrar

Amity University Haryana
Manesar Gurgaon-122413

headhrdg@csirhrdg.res.in

011-25840887

Dr. V.K. Srivastava

Scientist 'G', Head (P&I)

Indian Council of Medical Research

Ansari Nagar, New Delhi-110029

vijaiksri@gmail.com

Phone: 011-26589578, +919891011755

The invited guests were welcomed by Prof. P. B. Sharma, Vice Chancellor, Maj. Gen. B. S. Suhag, Deputy Vice Chancellor and Prof. Rajendra Prasad, Director, AIISH & AIB and others in VIP Lounge. The visitors were introduced over meet and greet session over a cup of tea, to Prof. S. M. Paul Khurana, AIB, Prof. J. P. Dudeja, AILTO, Prof. P.C. S. Devara, ACOSTA and Maj. Gen. Mahavir Singh, AMS and other senior faculty members present. The dignitaries seemed visibly impressed with AUG academic ambience and infrastructure. ,



The programme was held in Conference Hall Academic block -A, which was started at stipulated time with the formal introduction of all the visiting dignitaries by Prof. Rajendra Prasad who pointed the unique gathering of the day of Science Managers from

all major Government funding agencies and highlighted to take maximum advantage of such an occasion. After introduction, welcome address was delivered by Prof. P.B. Sharma, Vice Chancellor, who shown his delight to see the presence of high ranked officers from major Government funding agencies sharing the same dais. Honb'le Vice Chancellor endorsed the need of promotion of interdisciplinary sciences and emphasized "TRIPO"D i.e. the integration of TEACHING, RESEARCH and INNOVATION. He also emphasized on developing synergy of understanding in creating job for millions through interdisciplinary sciences including health and engineering .He sensitized faculty present from different AUG institutes, by his word of wisdom and suggested that faculties are here to contribute to the development of science and technology so that the world becomes a disease free and environment friendly planet for generations to come. The Vice Chancellor, following his remarks, introduced all the faculty present to visiting Science Managers and briefly

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explained their area of research interest. All the visitors were felicitated by Honb'le Vice Chancellor.

Open house interaction



Open house interaction was initiated with the address from **Dr. M. Aslam, Adviser, Scientist**



G Department of Biotechnology, Ministry of Science & Technology, New Delhi.

He shared his 26 years of experience with DBT, and explained his handling of Center of Excellence for research and innovation awarded to the major centers of research institutes and universities. He mentioned elaborately about Task force on herbal biotechnology and that he is nodal officer of NII, ICGEB and Imphal and in handling DBT-BIRAC program. He guided the AUG faculties for writing good grant/proposal. He told that grant writing is an art and it should be started with relevance. He informed that faculty need to be aware of different calls from DBT, official website and gave an instance that DBT has currently stopped funding for Cancer and Diabetes. He shared priority areas of DBT which included Herbal medicine, Nano medicine, Nano agriculture and trans-genetics.

Dr. Rajesh Luthra, Head, CSIR Human Resource Development Group, New Delhi,



emphasized the need to continuously enriching individual curriculum vitae by way of regular publications and academic activities and repeated the slogan 'PUBLISH OR PERISH'. He guided faculties about the criteria on which funding agencies judge a good and a bad proposal and how one has to cross the benchmark to get the prize (funds). Before starting a project idea, focus on the problem/question is most important that has to be extensively validated by extensive literature survey. He elaborated different heads of the project in detail, for example – Rational to start, budgetary components, manpower etc. in detail. The projects, which get more weightage for funding should be an application based. If one submit a proposal on collaboration with CSIR laboratories that considerably increase the chance of funding. He also emphasized the need for public- private partnership.


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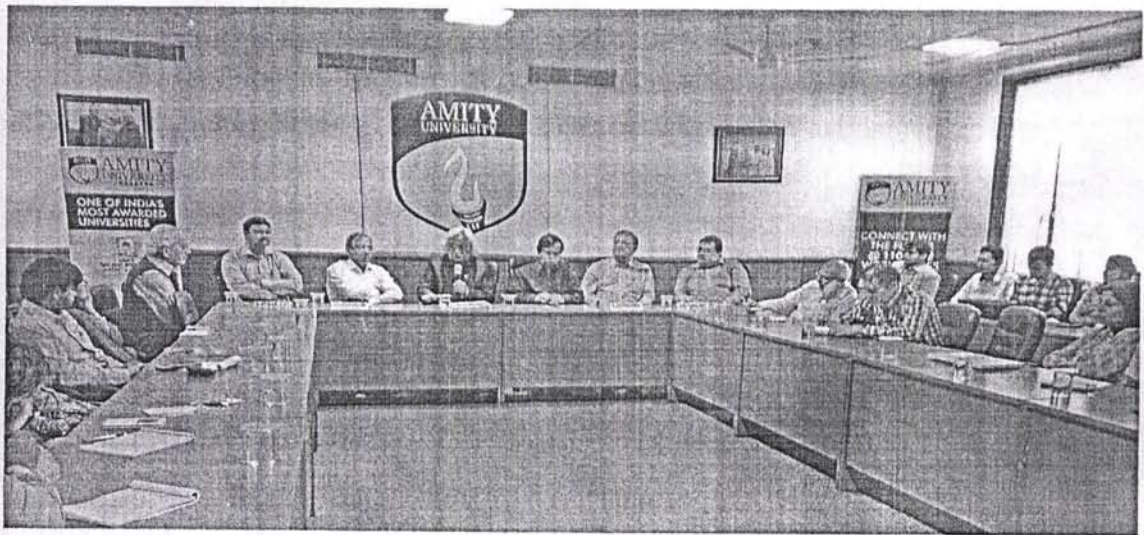


Dr. V.K. Shirivastava, Scientist 'G', Head (P&I), Indian Council of Medical Research, New Delhi, shared various facets of the functioning of ICMR. He revealed that ICMR has recently developed a totally online procedure for funding. The focus of ICMR funding has now shifted towards non-communicable diseases such as anemia and obesity and health problems relevant to our country. He informed that based on quantum of funding, ICMR follows a 3-tier system. First includes the projects up to 30 lacs, second 30-50 lacs and last 70 lacs and above and each tier is handled differently.



Dr. Harish Kumar, Scientist, SERC-Division, Department of Science and Technology, New Delhi, spoke about the framework of DST and its functioning. He told that DST does not have any focus area for funding and it funds all areas of research including Engineering and basic Sciences. It is a policymaking body and works to support and promote Science in the country to maintain the research pool.

The open house was highly interactive. Faculty from various AUG institutes put forward several questions, queries, frustrations, funding opportunities, budgeting details and level of competition to all the panelists. The session had to be stopped finally because of paucity of time. However, with a promise to repeat such interactive meetings in future. It was also suggested that similar meetings should be arranged with NCR industries to learn about their requirements so one can do course correction in his/her research interest for enhancing translation and societal relevance.



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Manesar Gurgaon-121413

AIB Faculty Details 2015

S. No.	Faculty Name	Designation
1	Prof.(Dr.) Rajendra Prasad	Director
2	Prof (Dr) SM Paul Khurana	Professor
3	Prof S.K.Ray	Professor
4	Dr Machiavelli	Assistant Professor
5	Dr Gargi	Assistant Professor
6	Dr Manju	Assistant Professor
7	Dr Dinesh K Yadav	Assistant Professor
8	Dr Saif Hameed	Assistant Professor
9	Dr Nitai Deb Nath	Assistant Professor
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12	Ms Sarika Chaturvedi	Assistant Professor
13	Ms Shikha Khandelwal	Assistant Professor
14	Dr Neelam Yadav	Assistant Professor
15	Dr Biswarup Sen	Associate Professor
16	Dr Sangeeta Kumari	Assistant Professor
17	Dr Kanakshi Gupta	Assistant Professor
18	Dr Zeeshan Fatima	Assistant Professor
19	Dr Jinny Tomar	Assistant Professor
20	Dr Munindra	Assistant Professor
21	Dr Tani Agarwal	Assistant Professor
22	Dr Surender Khatodia	Assistant Professor
23	Dr Sumistha Das	Assistant Professor
24	Dr Gaurav	Assistant Professor
25	Dr Burra Prasad	Professor

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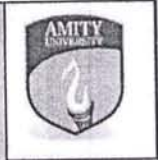
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 Amity University Haryana
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European Union Research Cooperation: *A talk by Mr. Denis Dambois*

October 9th, 2015, Friday, 11.30 AM

Venue: A, Block Conference Room



The European Union (EU), under its "Horizon 2020" Research and Innovation Framework Programme, is offering many funding opportunities to Indian researchers. Amity Institute of Biotechnology has invited **Mr Denis Dambois, First Counselor, Head of Research and Innovation, of the European Council**, for a talk to give us insights about the tremendous opportunities at EU and interact with interested faculty members.



Mr Denis Dambois

Mr Dambois earned an M.Sc. in electromechanical engineering from the Brussels University (ULB) in 1987. He graduated from the CEIPI (Strasbourg) and from the Executive management programme of the Solvay Business School, and qualified as a European Patent Attorney. In 1999, he joined the Research Directorate-General of the European Commission and is currently the Head of the Research and Innovation Section at EU.

- **Meet and Greet Tea in VIP Lounge:** 11.00 - 11.30 A.M.
- **Talk by Mr Denis Dambois:** 11.30 A.M. -12.30 P.M.
- **Open House Interaction:** 12.30 P.M.
- **Lunch:** 1-2 P.M.

Convenor:

*Prof. Rajendra Prasad,
Director, AIISH & AIB
rprasad@ggn.amity.edu*

Coordinator

*Dr Gargi Bagchi
gbagchi@ggn.amity.edu*

Registrar
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Manesar Gurgaon-122413

Report of talk by Mr Denis Dambois

The Amity Institute of Biotechnology, AUH, had invited **Mr Denis Dambois, First Counselor, Head of Research and Innovation, of the European Council**, for a talk on 9th October, 2015, to give insights about the tremendous opportunities at European Commission and interact with interested faculty members.

Mr Denis arrived at AUH with Mr Vivek Dham, before 11 a.m. and had tea with the Honorable Vice Chancellor, Pro-Vice Chancellor, and Professor Rajendra Prasad, Director AIISH and AIB.

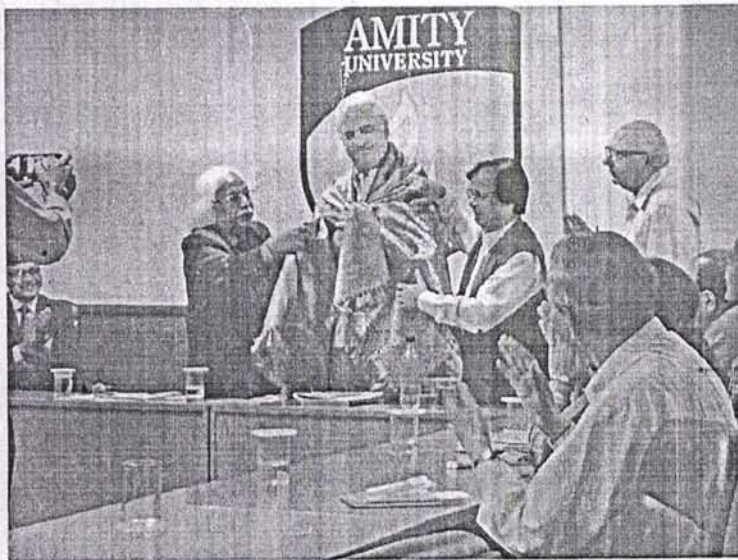
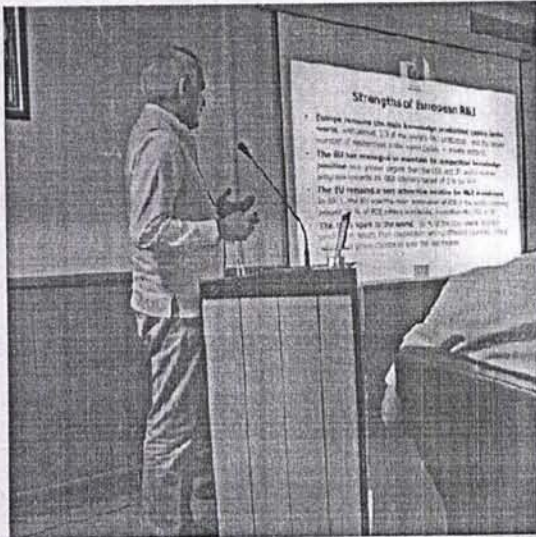
The talk was held in conference room at 11.30 a.m. and was attended by the Honorable Vice Chancellor, HODs/HOIs of various departments including ASET, AMS, ASAS and almost fifty faculty members from various departments.

The Honorable Vice Chancellor and Professor Rajendra Prasad introduced the guest to the audience. Thereafter Mr Denis presented an eloquent talk about the various funding opportunities at European Council for both collaborative and individual researchers. He mentioned various websites in his talk that provide helpful information regarding the funding opportunities. He mentioned the Marie Curie fellowships that can be availed by individual researchers. And advised that collaborative research would require finding at least 3 research partners in the European Union. He described the ERC grants that are available for starters, mid-level and advanced researchers but he and Mr Dham both cautioned that these grants are so coveted and competitive that many Nobel prize winners too apply for these grants.

After the talk, there was wide interaction and discussion between Mr Denis and faculty members. This was followed by honoring Mr Denis with a shawl and presentation of Amity University memento and a tulsi plant to both Mr Denis and Mr Dham. Lunch was organized for Mr Denis and Mr Dham after the talk. They left for their office post-lunch.


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Amity University Hariana
Manesar Gurgaon-131013



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Amity University Haryana
Manesar Gurgaon-122413

AIB Faculty Details 2015

S. No.	Faculty Name	Designation
1	Prof.(Dr.) Rajendra Prasad	Director
2	Prof (Dr) SM Paul Khurana	Professor
3	Prof S.K.Ray	Professor
4	Dr Machiavelli	Assistant Professor
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22	Dr Surender Khatodia	Assistant Professor
23	Dr Sumistha Das	Assistant Professor
24	Dr Gaurav	Assistant Professor
25	Dr Burra Prasad	Professor


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 Manesar Gurgaon-122413

Cancer Today

November 17, 2015

Considering the vision and mission of our Founder President and our Chancellor to make world-class research and innovation hub at Amity University, a minisymposium on "Cancer today" was organized on 17th November, 2015 with the very enthusiastic support of our Hon'ble Vice Chancellor, AUG. For this, three eminent Scientists, Dr. Hasan Mukhtar, Dr. Gopal Kundu, Pune, Dr. Maqsood Siddiqi, Kolkatta were invited. "Cancer Today" was organized to cover the latest exciting developments and detailed understanding of the biology of cancer.

This symposium brought together some of the world's best scientists in the cancer biology disciplines in a convivial atmosphere conducive to open and energetic discussions. These not only enlightened us about the recent and emerging trends of the field but also motivated young faculty and researchers to imbibe the rich experiences of the stalwarts visiting AUG and pursue cancer as the research carrier. The AUG faculty enthusiastically participated in an interactive session and gained advantage of their experience and received first hand information about latest anti carcinogenic studies and the current scenario. The event successfully achieved its aim to nurture and ignite large number of young and dynamic faculties of AUG having potential to do quality research.

Following are Scientists of International repute who were invited for the event.

Dr Hasan Mukhtar

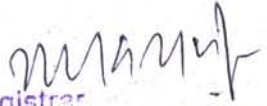
Helpaer Professor of Cancer Research,
Director and Vice Chair for Research,
Department of Dermatology,
School of Medicine and Public Health,
University of Wisconsin, Madison, Wisconsin, USA.

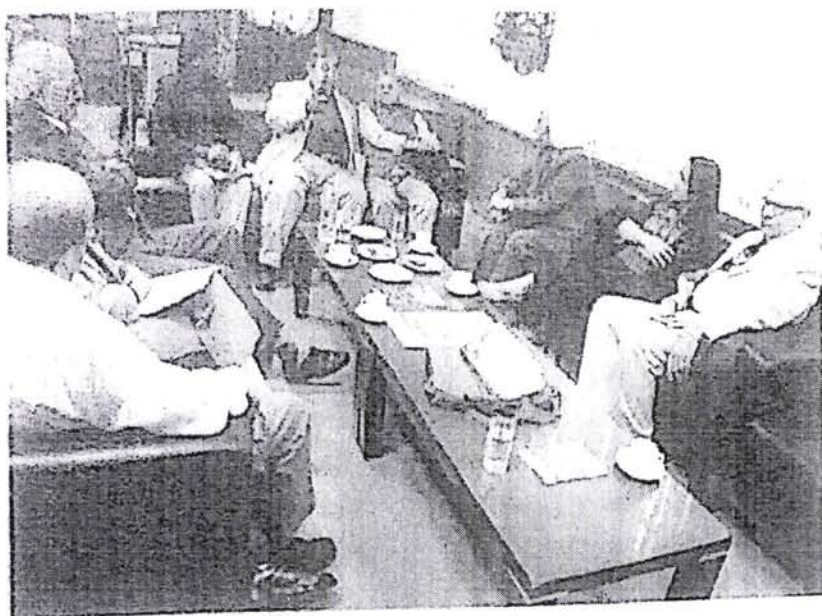
Dr. Gopal C. Kundu

Scientist-G
Laboratory of Tumor Biology, Angiogenesis and Nanomedicine Research
National Centre for Cell Science (NCCS), Pune

Dr. Maqsood Siddiqi, Kolkatta

Founder Chairman
Cancer Foundation of India, Kolkatta


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The invited guests were welcomed by Prof. P. B. Sharma, VC, AUG, Maj. Gen. B. S. Suhag, DVC, AUG, Prof. Padmakali banejee, PVC, and Prof. Rajendra Prasad, Director, AIISH & AIB in VIP Lounge. The visitors were introduced over meet and greet session with a cup of tea to Prof. S. M. Paul Khurana, AIB, Prof. J. P. Dudeja, AILTO, Prof. P.C. S.

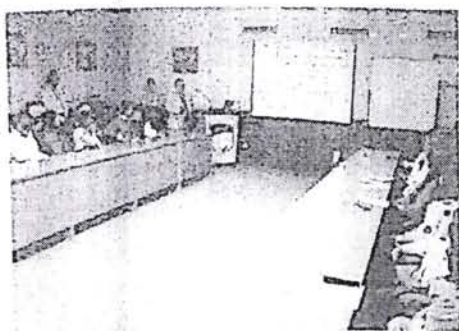
Devara, ACOSTA and Maj. Gen. Mahavir Singh, AMS and other senior faculty members present. The dignitaries seemed visibly impressed with AUG academic ambience and infrastructure.



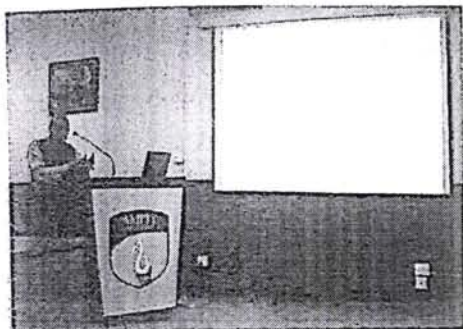
The programme was held in Conference Hall Academic block -A, which was started at stipulated time with the formal introduction of all the visiting dignitaries by Prof. Rajendra Prasad who pointed the unique gathering of the day of eminent scientist from

reputed research institute. After introduction, welcome address was delivered by Prof. P.B. Sharma, Vice Chancellor, who shown his delight to see the presence of eminent speakers from well known research institutes. Honb'le Vice Chancellor emphasized on developing synergy of understanding in creating job for millions through interdisciplinary sciences including health and engineering. He sensitized faculty present from different AUG institutes, by his word of wisdom and suggested that faculties are here to contribute to the development of science and technology so that the world becomes a cancer free and environment friendly planet for generations to come.

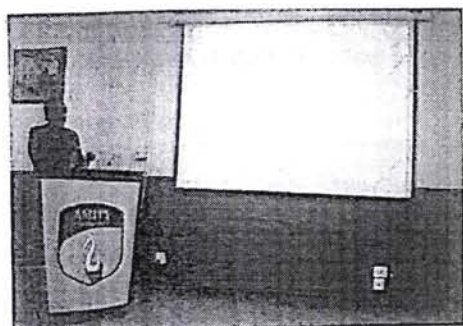
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In the talk, **Dr. Mukhtar** discussed about the chemoprevention and chemotherapy for cancer. He had emphasized on the type of food and diet which can decrease the risk of cancer. Awareness of cancer, entry of designer foods in the market was also discussed.



Dr. Maqsood discussed Human Papillomavirus (HPV) infections in India. The conventional vaccines used for HPV vaccination. It has been reported that there are 0.683 million deaths occur due to cancer per year. Among that, cervical cancer is a major upcoming problem and women above 30 years are at greater risk of cervical cancer. The vaccines which can be used for cervical cancer are Cervarix and Gardasil.

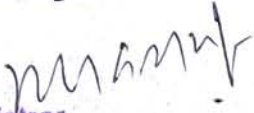


Dr. Kundu in his talk focused and discussed the breast cancer. There are 1.7 million new cases of cancer in 2012. He discussed the types of breast cancer, causes, and checkups for diagnosis of breast cancer. The early detection can cure the breast cancer. He discussed the current research on genes and markers for breast cancer in his lab by his students. He concludes that early detection of breast cancer can save the lives of many patients.

Open house interaction



The open house was highly interactive. Faculty from various AUG institutes put forward several questions, queries, regarding to cancer to all the panelists. The session had to be stopped finally because of paucity of time. It was also suggested that similar meetings should be arranged with NCR industries to learn about their requirements so one can do course correction in his/her research interest for enhancing translation and societal relevance.


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Amity University Haryana
Manesar, Gurgaon-122415

Minisymposium on "Cancer Today"

November 17, 2015, Venue: A-Block Conference Room

"Cancer Today" aims to cover the latest exciting developments and detailed understanding of the biology of cancer. This symposium will bring together some of the world's best scientists in the cancer biology disciplines in a convivial atmosphere conducive to open and energetic discussions. This will not only enlighten us about the recent and emerging trends of the field but will also motivate young faculty and researchers to imbibe the rich experiences of the stalwarts visiting AUH and pursue cancer as the research carrier.

Meet and Greet Tea in VIP lounge

10:00-11:00 AM

Invited Guests

Dr. Hasan Mukhtar, USA
Dr. Gopal Kundu, Pune
Dr. Maqsood Siddiqi, Kolkatta

AUH Dignitaries

Prof. P. B. Sharma, VC, AUH
Major Gen. B.S. Suhag, DVC, AUH
Prof. Padmakali Banerjee, PVC, AUH
Prof. Rajendra Prasad, Director, AIISH & AIB, AUH

Group Photograph

Keynote addresses

11:00-13:00 PM

Welcome Remarks Hon'ble VC, AUH Director, AIISH & AIB, AUH Dr. Gopal Kundu	11:00 - 11:10 AM
<i>"Osteopontin, a chemokine like protein acts as therapeutic target covering all hallmarks of cancer"</i> Dr. Maqsood Siddiqi	11:10 - 11:50 AM
<i>"HPV Vaccine - Results from India"</i> Dr. Hasan Mukhtar	11:50 - 12:30 PM
<i>"Nanoencapsulation of natural products for their enhanced anti-cancer activity"</i> Interactive Session	12:30 - 13:10 PM
	13:10 - 13:30 PM

Lunch

13:30-14:00 PM

Departure

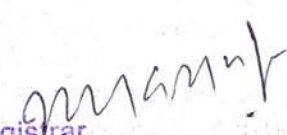
After Lunch

Convener

Prof. Rajendra Prasad
Director, AIISH & AIB
rprasad@ggn.amity.edu

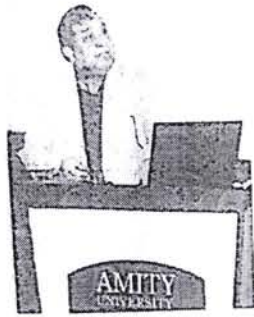
Organizing Secretaries

Dr. Saif Hameed, AIB
shameed@ggn.amity.edu
Dr. Zeeshan Fatima, AIB
zfatima@ggn.amity.edu


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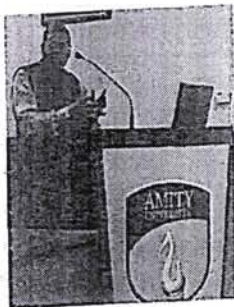
Brief profiles of the speaker

Dr. Hasan Mukhtar



Dr Hasan Mukhtar is Helfaer Professor of Cancer Research, Director and Vice Chair for Research, Department of Dermatology, School of Medicine and Public Health, University of Wisconsin, Madison, Wisconsin, USA. He is also the Co-Director of NIAMS funded Skin Disease Research Center and Co-leader of NCI funded Cancer Chemoprevention Program, Paul P Carbone Comprehensive Cancer Center, University of Wisconsin. Dr Mukhtar also serves as Distinguished Adjunct Professor of Cancer Biology, King Abdulaziz University, Jeddah, Kingdom of Saudi Arabia. He is an author of over 500 original peer reviewed publications, many in very high impact journals and is an author of 75 book chapters and two books. He serves as an Editorial Board member /Associate Editor of 36 scientific journals that include Experimental Dermatology, Photochemistry and Photobiology, Clinical Cancer Research, International Journal of Cancer, Apoptosis Molecular Nutrition and Food Research, Nutrition & Cancer, Food and Nutrition Sciences, Molecular Food and Nutrition Sciences and Cancer Research. He serves on grant review committees of National Institutes of Health, Department of Veterans Affairs, Department of Defense and many private organizations. Dr Mukhtar has defined many dietary agents that are capable of preventing and/or treating cancer in experimental animals and in man. His laboratory introduced the concept of Nanochemoprevention. Dr Mukhtar obtained PhD in biochemistry in 1971 from Kanpur University, India.

Dr. Maqsood Siddiqi

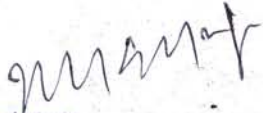


Dr. Maqsood Siddiqi is the Founder Chairman of Cancer Foundation of India based in Kolkata. He is a research scientist with over 35 years of scientific research, teaching, public health and institutional management experience in India and abroad. Prof. Siddiqi was Director of Chittaranjan National Cancer Institute (CNCI), and later that of Bose Institute, Kolkata, India (1994-2005) where he guided research and managed a large number of projects in diverse areas such as preventive cancer research, epidemiology, and life-style risk factors associated with cancer. He established the PBCR, Kolkata in 1997. His discovery of Caffeine-derived N-nitroso compounds and their implication in high incidence of cancer oesophagus and stomach in Kashmir and his work on cancer chemo-preventive role of curcumin and black tea was well received internationally. His recent work focuses on the primary and secondary prevention of cervical cancer including the epidemiology of HPV infection and HPV vaccination. He is currently a Co-PI of IARC (WHO) ongoing research trial on 2-vs-3 dose HPV Vaccination in India. Prof. Siddiqi has been and continues to be associated with a large number of policy-making, regulatory and advisory committees in the field of medical research and cancer prevention in India. Besides his research publications, he is a co-editor of the book "Protective Effects of Tea on Human Health" CABI International, London, UK, 2006 and co-author of "FAQs on HPV Infection & its Prevention" published by CFI, Kolkata, 2010. Among the many prestigious Orations, Fellowships and Awards he received in India and abroad, some of the most which he cherishes are the Subodh Mitra Memorial Oration, Kolkata, 2007; the

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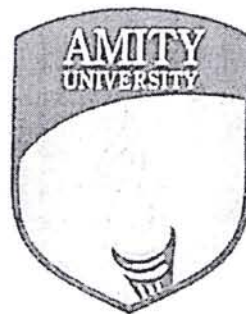
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INDUSTRIAL CONNECT MEET

16th December 2015



SANA WATER SOLUTIONS

SPAIN

AMITY INSTITUTE OF BIOTECHNOLOGY

AMITY UNIVERSITY GURGAON

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INDUSTRIAL CONNECT MEET WITH SANA WATER SOLUTIONS OF SPAIN AT AMITY INSTITUTE OF BIOTECHNOLOGY

Event Name: Industrial Connect meet & Scientific Talk on "Electrolyzed Water: Eco-innovative solution for the Agro Food Industry"

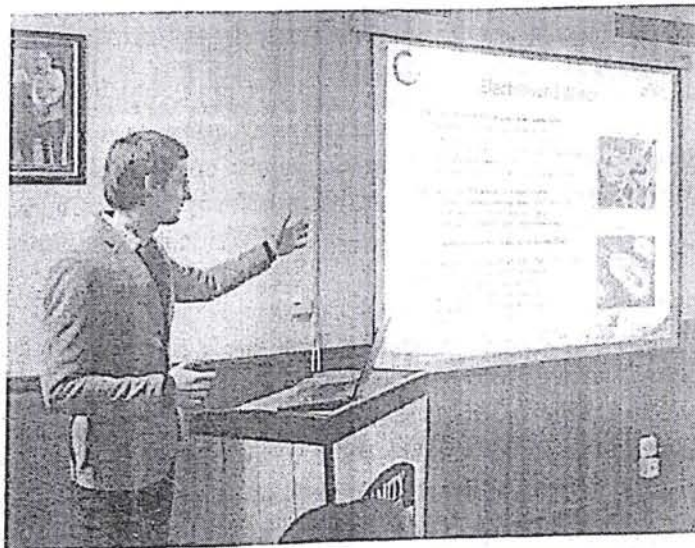
Event Venue: Conference Room, Block - A (10:30 AM - 1:30 PM)

Chief Guest / Speaker: Dr Grégoire Gaume, Water Engineer & Eco Entrepreneur, Co-Founder of SANA WATER SOLUTIONS - SPAIN.

Convenor: Prof Rajendra Prasad, Director, AIB

Organizing Secretaries: Dr Machiavelli Singh; Dr Surender Khatodia

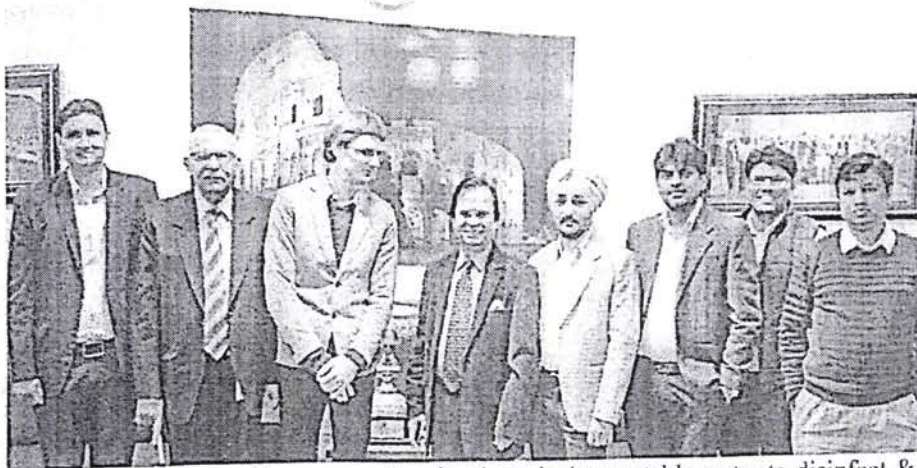
Amity Institute of Biotechnology organized an industrial connect meet with SANA WATER SOLUTIONS - SPAIN with an invited talk by Dr Grégoire Gaume, Water Engineer & Eco Entrepreneur, Cofounder of the European company. In the talk, Dr Gaume discussed on the thematic area "Electrolyzed Water: Eco-innovative solution for the Agra Food Industry". Dr. Gregoire in his session told the students and the faculty member that more than twenty countries all across the globe are getting benefited by using Electrolyzed water for a range of applications for disinfection, sanitation to agriculture. He said that "The technology is totally reliable, authorized and established which is very much useful in the field of agriculture, dairy and water industry that suits the need of developing countries".




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The Electrolyzed Water is made up with Water, Salt and Electricity. It can be used in the form of Liquid, Ice and Aerosol, which is ecologically most sensitive disinfecting agent. The use of electrolytes can greatly help improve yields in agriculture, poultry, dairy, fisheries and is also useful for human health in many ways. It also is being implied in food processing brewery's storage of silage. In many cases, Electrolyzed water shown potential for acts as domestic cleaning agent, which will reduce environmental chemical load. So in the era of climate change where water use and consumption pattern is transforming, electrolyzed water is providing hope for solution.

Dr Rajendra Prasad, Director AIB, while interacting with the faculty members and chief guest said "We may like to try the technology in collaboration with the company and conduct some basic research at Amity University for comparison at least for use of water for drinking & food purposes as well as checking the efficiency of the system for agriculture horticulture, dairy etc."



The SANA Water Solution Company makes for electrolyzing portable water to disinfect & save energy as well as to avoid the use of chlorine, ozone, ultraviolet treatment. The technology may be as costly as use of RO water purification system but as added advantage of increasing the output. Thus the return on investment is fast.

Dr Gregoire was impressed to see the university infrastructure, sophisticated labs and green lush campus. He visited the agriculture and dairy farming unit with Dr Machiavelli Singh, Dr Surender Khatodia and Dr Kushagra Rajendra. He was fascinated by the self-sustainable model at the university and the clarity in the implementation of Amity's vision & mission. Dr Gregoire proposed and discussed the possibilities of future collaboration of Amity with Sana Water Solutions Spain with Pro-Vice Chancellor, Prof (Dr) Padmakali Banerjee, madam assured all possible cooperation from Amity. In a brief interaction of Dr Gregoire with Vice Chancellor, Prof P. B. Sharma, they shared their views on usage of electrolyzed water under an innovative


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pilot project in the agricultural and horticultural activities at Amity. This will promote participation of students to learn innovative technologies in Amity University.

About the Guest:-

Dr Gregoire Gaume

**SANA WATER SOLUTIONS
VALENCIA - SPAIN**

**Dr Grégoire Gaume is an Environmental Water Engineer
| Eco Entrepreneur | Co-founder of Sana Water Solutions
SL & Waterlution Oceania Valencia, Spain**




Internationally recognized in sector Environmental Services Sana Water Solutions is a consulting company providing healthy, locally appropriated and truly sustainable water treatment solutions for the Water, Food and Agriculture Industries. With worldwide experience over 4 Continents, Company is known to provide solutions to local needs and challenges. The focus is collaboration with local partners, involving the local community and raising awareness on water issues, is a key factor for project success Sana Water Solutions works skillfully with European Agencies, Universities, Consultancies, Industries and NGOs to promote the best appropriated technologies available in the market. In this way, aim to re-design and optimize water treatment and recycling systems, for higher efficiency and respect of people and the environment.

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Dr Gaurav	Assistant Professor
Dr Burra Prasad	Professor


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Seminar on "Scientific Tenor in Indian Traditions for Harmony and Health"

January 13th 2016, Venue: A-Block Conference Room

We are inviting you to attend and participate in our next guest lecture by Prof. Bal Ram Singh, UMass, Dartmouth, USA, on "Scientific Tenor in Indian Traditions for Harmony and Health". This seminar will give insight about India's traditional scientific knowledge systems viz Yoga, Ayurveda, mathematics, architecture, science, and arts in bringing social harmony and good health. Prof. Bal Ram will enlighten us about few examples on how some Indian spiritual & philosophical concepts, which have long been neglected by scientific community, dominated the development of scientific ideas. Prof. Bal Ram believes that science and spirituality/philosophy are interconnected and reveals more commonality and synergism than conflicts and mutual exclusivity.

Meet and Greet Tea in VIP lounge

11:00 AM-11:30 AM

Invited Guest

- Prof. Bal Ram Singh, USA

AUH Dignitaries

- Prof. P. S. Sharma, VC, AUH
- Major Gen. B.S. Suhag, DVC, AUH
- Prof. Padmakali Banerjee, PVC, AUH
- Prof. Rajendra Prasad, Director, AIISH & AIB, AUH

Group Photograph

Keynote addresses

11:30 AM-13:00 PM

Welcome Remarks

11:30 AM -11:40 AM

- Vice Chancellor, AUH
- Director, AIISH & AIB, AUH

Prof. Bal Ram Singh

11:40 AM -12:40 PM

"Scientific Tenor in Indian Traditions for Harmony and Health"

Interactive Session

12:40 PM - 13:00 PM

Lunch

13:00 PM-14:00 PM

Departure After Lunch


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Scientific Tenor in Indian Traditions for Harmony and Health

SEMINAR

January 13th, 2016, Wednesday, 11:30 a.m.

Venue: A Block Conference Room

By

Professor Bal Ram Sillig

School of Indic Studies,

Institute of Advanced Sciences,

Dartmouth, MA, USA, 02747

ABSTRACT: Article 51A(h) of Indian constitution makes India the only country in the world to propound scientific temper in its citizens. Thus current environment of scientific language to understand human life and actions expects examination of even many of the ancient practices in modern scientific paradigms. India has many of such as practices which although scientifically sound but have not been placed in modern scientific terms as strongly as need to be. Indian scholarship has failed to seize the opportunity of scientific mindset that the world has developed for the past 400 years. This mindset has questioned and has overcome the basic tenets of Western religions, and is in the search of a major philosophical foundation to build up an enlightened society.

Any practical knowledge system has a fundamental basis in thoughts and philosophy. Virtually all the knowledge systems of India, be it yoga, Ayurveda, mathematics, architecture, science, or different kinds of arts, have their origin in philosophy. Many of the spiritual and philosophical concepts are generally considered off limit to any scientific analysis and evaluation, as the modern scientists consider that science has developed its ideas from the observation of matter, be it in gas, liquid, or solid form. This is far from the truth. There are several examples where philosophical concepts dominated the development of scientific ideas. Some of the contradictory attitude may actually stem more from historical conflicts between religion and the empirical development of scientific principles than a real divergence between the philosophical concepts and scientific ideas. In fact, a sympathetic approach to understand interconnection between science and spirituality/philosophy reveals a more commonality and synergism than conflicts and mutual exclusivity.

The practice of yoga in philosophy, the system of Ayurveda for health, the practice of joint family in the society, the tradition of respect for everything for the sustainability of the planet, and the freedom of thoughts and action for everyone to attain independence are very powerful knowledge systems that go beyond the history of astronomy, mathematics, architecture, and technology generally considered as significant feat Indian knowledge system has created.

The challenge is to integrate the philosophy with practice, and create a framework of discussion other than that is available in current paradigm.

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Professor Bal Ram Singh

Dr. Bal Ram Singh, PhD, has been a Professor since 1990 at UMass Dartmouth (until 2014) and Institute of Advanced Sciences (current), conducting research on botulinum and tetanus neurotoxins, and also on yoga, mind, and consciousness. He has published 10 books and nearly 300 articles, including articles related to India's philosophy and traditions. He is Editor/Associate Editor of three journals including Ayurveda Journal of Health and International Journal of Indian Culture and Business Management, and is the Editor-in-Chief of Vedic WAYES, an online blog of the World Association of Vedic Studies. He is the President of the Institute of Advanced Sciences.

Convenor:

*Prof. Rajendra Prasad,
Director, A/ISH & AIB
rprasad@ggn.amity.edu*

Coordinator

*Dr. Sadzansru Shukla
Assistant Professor, AIB
ssluklal@ggn.amity.edu*


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22	Dr Avinash Marwal	Assistant Professor
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26	Dr Surender	Asst. Professor
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HALF-DAY WORKSHOP

“LIFECYCLE OF PATENTS: IDEA TO INDUSTRY”

Jan 22, 2016

Venue: Audi B

1. Purpose

The purpose of this interactive session is to familiarize the participants with full lifecycle of patents and helping them to understand importance as well as role of each of the stage. Also, to change the perspective of faculty members as well as students towards the concept of patents, i.e. not just for academic recognition rather for financial gains.

2. Programme schedule

PROPOSED OUTLINE	
Sessions	Activity
1000 – 1030	<ul style="list-style-type: none"> Meet and Greet tea in VIP lounge Invited Guest Mr. Vivek Dahiya AUH Dignitaries Prof. P. B. Sharma, VC, AUH Prof. Padmakali Banerjee, PVC, AUH Major Gen. B.S. Suhag, DVC, AUH Prof. Rajendra Prasad, Director, AIIISH & AIB, AUH Prof. S M Paul Khurana Group Photograph
	Interactive session
1030-1100	<ul style="list-style-type: none"> Startupindia – An opportunity for young innovators
1100– 1145	<ul style="list-style-type: none"> Idea <ul style="list-style-type: none"> - Generate Idea - Transform Idea into invention - Assessment: Patentability of invention
1145-1200	<ul style="list-style-type: none"> Protection <ul style="list-style-type: none"> - Drafting of patent specification: importance & role - Filing of patent application: India as well as abroad - Prosecution of patent application - Importance of enforceability of the patent
1200– 1245	Q&A

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1245-1315	<ul style="list-style-type: none"> ▪ Industry <ul style="list-style-type: none"> - Marketing – Seminar, Visits, Exhibitions, Publications - Licensing/Transfer of Rights - Financial returns - Enforcement - Examples of universities Involved in R&D and their success stories in respect of monetization of their patents
1315-1330	Q&A
1330 onwards	Lunch & Interaction with faculty

3. Speaker Profile



Vivek Dahiya,
Principal Associate, Groverlaw

Vivek holds a bachelor's degree in electronics and communications engineering and a master's degree in telecommunication engineering. Further, he has a bachelor's degree in law. Vivek is a Registered Patent Agent with vast experience in patent prosecution, drafting patent specifications, opposition proceedings, patent infringement matters, validity searches, patentability/ novelty searches, patent portfolio analysis and patent landscapes in varied fields of technology and engineering. Since 2007, he has worked with IP boutiques in India and Singapore and was also associated with a leading KPO for nearly two years.

Vivek has good knowledge of patent laws of various jurisdictions, primarily India, Europe, US, Japan, Korea, Singapore, Malaysia and Australia".

Member of BAR Council of Delhi [D/2409/2012]

- Member of Indian National Bar Association [INBA_4359]
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- LL.B from Delhi University, India
- Recommended for patent prosecution by IAM Patent 1000 magazine (an International Publication) [2014, 2015]

Convenor: Prof. Rajendra Prasad, Director, AIB, AIISH & Dr. Biswarup Sen, AIB, AIISH

Organizing Committee: Dr. Burra Prasad, AIB, Dr. Sudhanshu Shukla, AIB, Dr. Machiavelli Singh, AIB

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AMITY UNIVERSITY

GURGAON

HALF-DAY WORKSHOP

"LIFECYCLE OF PATENTS: IDEA TO INDUSTRY"

Jan 22, 2016

Venue: Auditorium-B, Amity University Haryana

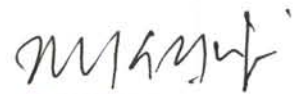
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1200- 1245	Q&A
1245- 1315	<ul style="list-style-type: none">• Industry<ul style="list-style-type: none">- Marketing - Seminar, Visits, Exhibitions, Publications- Licensing/Transfer of Rights- Financial returns- Enforcement- Examples of universities involved in R&D and their success stories in respect of monetization of their patents
1315-1330	Q&A
1330 onwards	Lunch & Interaction with Senior Leadership

Convenors

Dr. Biswarup Sen, Asst. Prof., AIB, AIISH
Prof. (Dr.) Rajendra Prasad, Director, AIB, AIISH

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Event Report

The invited speaker of the program Mr. Vivek Dahiya was welcomed by VC, Pro-VC and Deputy-VC and number of Hols, HoDs and senior professors. Prof. (Dr.) Rajendra Prasad in his welcome address highlighted the importance of the program to the participants. Later, Dr. Biswarup Sen introduced the #StartupIndia mission recently launched by PM Modi, and briefed the participants with the aims of this initiative which are to fill gaps in the economy for the growth and development of startups, and boost digital entrepreneurship at the grassroots. The action plan on legal support for filing patents at free of cost and 80% reduction in filing patent fee would bring out the confidence among the entrepreneurs to startup with hassle free process. While introducing the concept of Intellectual Property Rights, Dr. Machiavelli Singh, AIB-AUH, discussed the emergence of knowledge dominated century, exponential growth of scientific and technical knowledge and understanding, enterprises and businesses need, nature of Intellectual Property System.



The invited speaker Mr. Vivek Dahiya started the workshop theme by explaining the concept of #startupIndia, which means an entity, incorporated or registered in India not prior to five years, with annual turnover not exceeding INR 25 crore in any preceding financial year, working towards innovation, development, deployment or commercialization of new products, processes or services driven by technology or intellectual property. The invited speaker discussed on how to utilize this excellent opportunity to protect and monetize our ideas. He also explained the detailed process of generating idea, IPR drafting, filing, marketing of the Intellectual property and inventions, how to transform an idea into an invention, patentability of invention assessment, and prosecution of patent application. The speaker also explained the importance of enforceability of patent citing examples of multinational firms. The benefits of marketing and licensing/transfer of rights were also presented. Finally, the speaker concluded with top patent revenue generating universities in the world to show the role of academia in driving innovation.

Dr. Burra Prasad, AIB-AUH, while sharing his experience on the importance of protecting one's Idea said an Idea is a product of the passionate perusal of an innovator with the sincere and intense desire to solve a problem. Since the Idea has the potential to benefit the society at large, it needs to be nurtured and protected till it reaches the product stage. Ideation is only the beginning of the journey from problem to solution. He shared especially the exploitive/misuse side of patenting process, role of patent attorneys, firms and other factors which influence finances of the Company.

This interactive session familiarized the participants with full lifecycle of patents, and comprehended the concept of patent which is not just for academic recognition rather for financial gains, and to reap the benefits of the #Startup India and Standup India Initiative.

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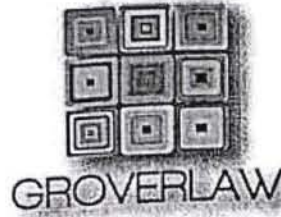
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Speaker Profile



Vivek Dahiya,
Principal Associate,
Groverlaw



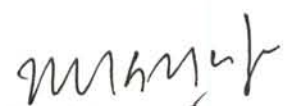
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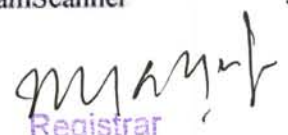


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Dr. Arumugam Jayakumar



Dr. Jayakumar is currently the senior research scientist at the University of Texas M.D. Anderson Cancer Center, Houston, USA. He received his Doctor of Science from the JNU (SLS; 1980) working with Professor Rajendra Prasad. He did his M.Sc. (1976) and B.Sc. (1974) in Zoology from the Annamalai University. He has had a broad international experience as a Visiting Fellow at the NIH (1980-1982), Instructor and Assistant Professor at the Baylor College of Medicine (1982-2000), Guest Faculty at the University of Toronto (2003) and Harvard Medical School (2005), and Assistant and Associate Professor and Senior Research Scientist at M.D. Anderson.

His research contributions are interdisciplinary, spanning a wide range in membrane transport, lipid metabolism, genetic basis of human diseases, and cancer biology. He has authored or co-authored 97 peer-reviewed publications, written book chapters, and editing an e-Book. He is a co-inventor for 1 issued patent and signed 2 licensing agreements. He has co-built and co-managed an extensive research portfolio funded by NSF/NIH. He has trained several Ph.D.s and serves as an editorial member for Web Med Central plus, Asian Journal of Medical Sciences, Journal of Cancer Metastasis and Treatment, BAOJ Clinical Trials, and senior editor for MOJ Proteomics & Bioinformatics. He adjudicated several Ph.D. theses from India and serves as an external reviewer for the international fellowship programme of William Harvey Research Institute (WHRI)-ACADEMY at London.

Convenor:

*Prof. Rajendra Prasad,
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Coordinators

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*Dr. Gargi Bagchi, AIB
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*Amity University
Gurgaon, Haryana 12413*



We cordially invite you to attend the next talk of "ABC Seminar Series" organized by AIB & AIIISH, AUH. This lecture will provide insights about the development of novel inhibitors to various signaling pathways responsible to progression of cancer.

**ABC Seminar Series Presents
Seminar on**

"Development of Small Molecule Inhibitors for Cancer Therapy"

March 2nd, 2016, Wednesday, 10:00 a.m.

Venue: A Block MDP Room

By,

Dr. Arumugam Jayakumar

MD Anderson Cancer Centre

University of Texas, USA

ABSTRACT: Cancer arises when multiple control systems within a single cell are corrupted. STAT3 (Signal-Transducer and Activator of Transcription-3), HIF-1 alpha (Hypoxia-Inducible Transcription Factor), and c-MYC are key drivers in almost all human cancers. We have designed a novel class of inhibitors of STAT3 phosphorylation at Y705 (p-STAT3) using molecular modeling and the scaffold of a natural product caffeic acid benzyl ester (CABE). CABE is a component of propolis and a weak inhibitor of p-STAT3. We have synthesized over 300 analogs and evaluated their anti-cancer properties and identified WP1066 as our lead compound. WP1066 shows a strong anti-tumor effect in wide range of human cancer cell lines and in variety of tumor animal models including pancreatic and head and neck cancer. We demonstrated that WP1066 concurrently inhibits key OTFs such as p-STAT3, HIF-1 α , and c-MYC that drives the cancer progression. Our recent studies led to a novel discovery that WP1066 is indeed a de-ubiquitinase inhibitor. In today's talk, I will discuss about the development, evaluation, mode of action, and formulation of WP1066 utilizing cancer cell lines and animal tumor models.


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AMITY UNIVERSITY

GURGAON

AMITY INSTITUTE OF BIOTECHNOLOGY

SEMINAR

“Photosynthesis: Past, Present and the Future”

Professor Govindjee
University of Illinois, USA
Thursday, March 3rd 2016

Distinguished Speaker

Professor Govindjee

Professor Emeritus,
Biochemistry, Biophysics and Plant Biology,
University of Illinois, Urbana-Champaign, USA

Prof. Govindjee is alumni of University of Allahabad, India. He obtained his Ph.D. in Biophysics in 1960 from the University of Illinois at Urbana-Champaign (UIUC), USA. Since 1961, he served as the faculty of UIUC. He pioneered the first picosecond measurements on Photosystem I primary photochemistry. He provided the first comprehensive theory of thermoluminescence in algae and plants. Govindjee also exploited both delayed and prompt fluorescence and used them for the understanding of electron transport (Z-scheme) and for photoprotection against excess light. He is quite well known as Mr. Photosynthesis with a common saying that “we all need photosynthesis and photosynthesis needs Govindjee”. Govindjee, who himself is an institution, has been recognized and honored as a true ambassador of “Photosynthesis Research” to the World. The Department of Plant Biology of the University of Illinois administers an Annual Govindjee and Rajni Govindjee Award for Excellence in Biological Sciences. Govindjee has published almost 800 papers with nearly 18,000 citations. Govindjee coauthored, with Eugene Rabinowitch, “Photosynthesis” book, which has had a world-wide impact on thousands of students. He is the Founding Series Editor of Advances in Photosynthesis and Respiration and Founding Historical Corner Editor of Photosynthesis Research. His honors include: Fellow of the American Association of Advancement of Science; Fellow and Lifetime member of the National Academy of Sciences (India); President of the American Society for Photobiology (1980–1981); Honorary President of the 2004 International Photosynthesis Congress; Lifetime Achievement Award of the Rebeiz Foundation for Basic Biology, 2006; Communication Award of the International Society of Photosynthesis Research, 2007; Lifetime Achievement Award of the UIUC, 2008; Dr. B. M. Johri Memorial Award of the Society for Plant Research, India, 2016.



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**Amity Institute of Biotechnology, Gurgaon Organized Distinguished Lecture on
Photosynthesis by Prof Govindjee, USA, on 3rd March, 2016**

Prof. P.B. Sharma, Honorable Vice Chancellor, AUH welcomed Prof. Govindjee to the Amity University Gurgaon. Prof. Rajendra Prasad gave a warm welcome to the distinguished guest of the event Prof. Govindjee and thanked him for making it possible to deliver his important lecture on Photosynthesis research in Amity University, Gurgaon. Prof. Rajendra Prasad emphasized on Prof. Govindjee's major contributions in understanding the process of photosynthesis. It was followed by an introduction of Prof. Govindjee to the audience by Dr. Surender Khatodia with a familiar saying about him that "we all need photosynthesis and photosynthesis needs Govindjee".

Prof. Govindjee started his lecture with a bunch of balloons depicting the evolution of oxygen in the process of photosynthesis from the water molecule and not from that of carbon dioxide molecule. He discussed the history of photosynthesis research by quoting examples of Noble Laureates. He emphasized on the importance of photosynthesis that it gives us oxygen, food, energy, fuel, drugs, building material and we hope to make hydrogen from it and much more. He said "we shall improve it in ways that will allow us to survive in spite of increasing human population, and global climate change". He proposed three phases in photosynthesis i.e. Light Reactions, Production of Reducing Power and ATP, and Carbon Reactions of Photosynthesis. Govindjee also mentioned about his mentor, Professor Emerson, who discovered the two photosystem concept of photosynthesis. Govindjee discussed about his discovery of bicarbonate having a unique role in production of reducing power, in addition to that in Carbon reaction. He also talked about artificial photosynthesis to generate electricity and renewable biohydrogen production from algae. He concluded with a perspective co-authored by 25 top scientists in PNAS, 2015 "Redesigning photosynthesis to sustainably meet global food and bioenergy demand" and thanked Prof. Rajendra Prasad and Amity University, Gurgaon for the wonderful hospitality.

Prof. P.B. Sharma, Honorable Vice Chancellor, AUH then thanked Prof. Govindjee for his elaborate lecture on photosynthesis by presenting a memento of Amity University and also gave emphasis to the future perspectives of enhanced photosynthesis efficiency of plants and artificial photosynthesis for much required aspects of food and energy security.

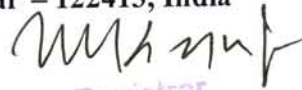
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Coordinator:

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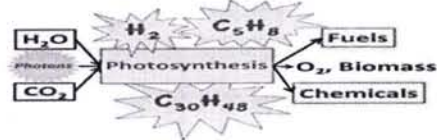
AMITY UNIVERSITY

GURGAON

Amity Institute of Biotechnology SEMINAR

“Photosynthesis: Present, Past and the Future”

Distinguished Speaker:
Professor Govindjee
Professor Emeritus
University of Illinois, USA



March 3rd 2016, Thursday

Time: 11:30 AM

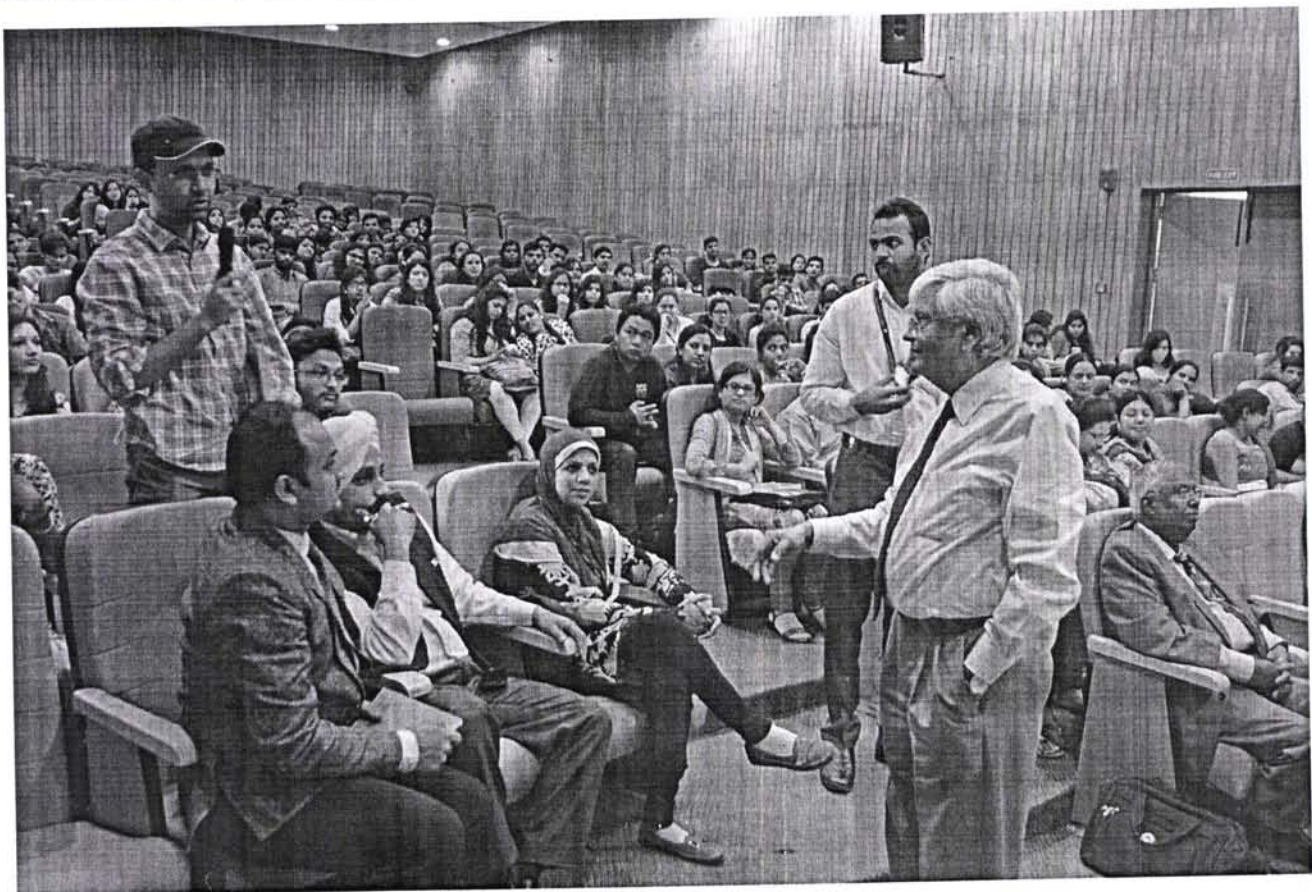
Venue: B-Block Auditorium

Convener: Prof. Rajendra Prasad
Coordinator: Dr. Surender Khatodia

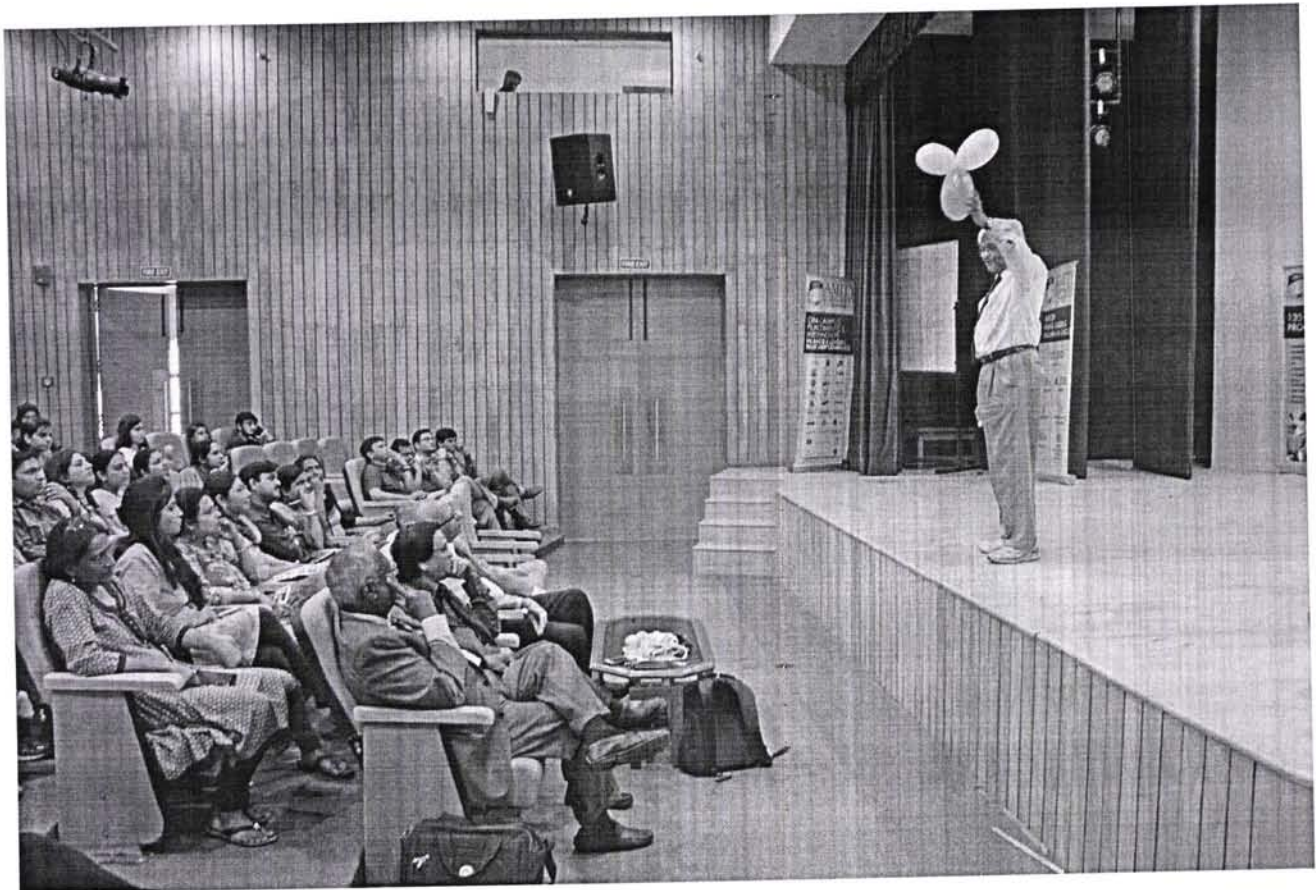


M. Khatodia
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Research: Present status and Future Prospect. Dr Mohanti described several genetic diseases which have been explored for cell based therapies. The genetic problems are spinal cord injuries, stroke, burns, heart diseases, Type-1 diabetes, osteoarthritis, rheumatoid arthritis, liverdiseases, retinal regeneration, limb ischemia, hair cell regeneration, Parkinson's and Alzheimer's diseases. Dr Mohanti explained that the role of other mechanisms are also important. The role of different secretions and factors influences stem cell functions differently. The endogenous ingredients are paracrine secretions, immune-modulatory factors, mitochondrial transfer, exosome release etc. Dr Mohanti highlighted tissue engineering with stem cells. She explained that future research of stem cell lies in generating bioengineered tissues or organs. Autologous functional artificial organs would be person specific and have less possibility of rejection. The iPSCs would be a useful choice for treating various degenerative diseases and translational research. Dr Mohanti emphasized that the future research in Stem Cell Biology will depend on the use of different stem cell types along with tissue engineering in order to develop regenerative medicine to alleviate genetic disorder in human.

Dr Vimal Kissore Singh, Stem Cell Research Laboratory, Delhi Technological University, Delhi, presented his work in the Poster Session on both the days 19th and 20th Feb 2016. He was not well. His three PhD students participated in the Poster Session. Dr Kissore could not present his lecture. He is a member of the organizing committee and he is always associated with the conference.

The session ended with appreciation to the Invited Speakers and presentation of Mementoes.

Prof (Dr) A K Raghav blessed the participants and the Organizing Committee Members.

Poster Selection Committee was formed. The Members are as below--

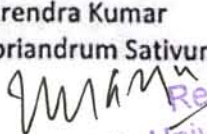
Prof (Dr) Kothari, Pro Vice Chancellor, Jaipur University,
Dr Ahmed Faried MD, PhD Indonesia,
Prof(Dr) S K RAY, AUG

According to the recommendation of The Committee total Five Posters were selected.

1st Position : Dr Kamesh Dhamodaran, Stem Cell Research Laboratory, Narayana Netralaya, Bangalore , Award Amount INR 5000/ (Rupees five thousand only). Title: A Notch-up : Corneal Epithelial Differentiation.

2nd Position: Kabir Aaron De Mello, Krishnendu Adhikari, Reshna Deep, Nitai Debnath, AIB, AUG Award Amount INR 3000/ (Rupees three thousand only). Title: Silica coated porous Zinc Oxide Nanostructure: A Potent Nanocomposite for development of slow release agrichemicals.

3rd Position: Maria Rashid, Monika Sharma, Vishakha Singh, Narendra Kumar Award Amount INR 2000/ (Rupees two thousand only). Title: Coriandrum Sativum Leaf essential oil –a potential source of therapeutic agent.


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potential to be maintained in an undifferentiated state. These multipotent cells can also be differentiated into highly purified populations of human neurons. These human neuronal precursor cells offer the potential to be a working model for comparing a healthy and diseased brain. The human fetal brain derived neuronal stem cell culture system is used in relevant research institutes in India.

All the Session-4 Speakers were honored by presentation of Mementoes. Dr Debabrata Banerjee, Rutgers, congratulated the Speakers and handed over the Mementoes to the Speakers.

Following Lunch break, The Plenary Session-5 started. The Session-5 Chairperson was Dr. Namrata Sharma, AIIMS-New Delhi and Session Coordinator was Dr. Sangeeta Chaudhary, Sir Gangaram Hospital, New Delhi. The first Speaker of the Conference was Dr. Virendra Sangwan, MS, Dr. Paul Dubord Chair in Cornea, Director, Centre for Ocular Regeneration, Director, Srujana-Centre for innovation, L V Prasad Eye Institute, Hyderabad, an Alumni of Harvard Medical School, Boston, USA, Field Medical Director at ORBIS International, Inc, New York, Adjunct Associate Professor of Ophthalmology, University of Rochester, New York, USA. Dr Sangwan is an authority on Cornea, uveitis, limbal stem cell deficiency and limbal stem cell transplantation. Dr Sangwan initiated his invited talk on the dias by saying that Amity University Gurgaon is a natural home for him. This is his second visit to AUG. Dr Sangwan came down straight to his subject. Title of his lecture(theme) is "Ocular Surface Regeneration: long term results". Stem cells are primitive cells, have capacity for self-renewal and have potency to differentiate into other cell types. A single human Embryonic Stem Cell can give rise to every tissue of the organism. One can easily imagine the immense potential that stem cells have for regenerative medicine and restoration of vision loss due to corneal problem, retinal injury, retinal disease, developmental defects, aging, and accidental tissue damage. Vision loss are neural degenerations. Selective stem cell type that can be transplanted into the eye have been sourced. The cell type differentiates for regeneration of the degenerated cells. The source cells are transplanted. The cell types are generally Embryonic Stem Cells or induced pluripotent stem cells (iPSCs). Stem cell-based therapy to improve vision depends on the transplantation strategies and technologies. The session opened with discussion of the wide range of potential applications for stem cell research. Autologous limbal stem cell transplantation for corneal repair is a targeted therapy for low vision improvement. iPSCs may be used to model developmental and degenerative disorders of the eye, for drug testing and gene correction, and engineering transplanted cells to secrete neuronal survival factors for "ex vivo" gene therapy.

The next speaker of this Session is Dr Sujata Mohanty, PhD, Additional Professor, Stem Cell Facility, DBT-Centre of Excellence for stem cell research, Aiiims, New Delhi, involved in research on various aspects of Stem Cell Biology like differentiation into cardiac, Neuronal and Hepatic lineages, reprogramming to generate disease specific induced pluripotent stem cells and generating scaffolds for treating long bone defects and corneal defects. Dr Sujata worked into the field of Nanotechnology to develop a system of stem cell tracking under in vivo conditions by labeling stem cell with iron oxide. She has deep research aptitude. Dr Sujata also has original findings on bone marrow derived Mesenchymal Stem Cells(BMSCs). In presence of the protein TGF-1, the BMSCs undergo cardiomycogenic differentiation in vivo. Dr Sujata is recipient of several national awards. Dr Mohanti delivered invited lecture on 'Translational Stem Cell

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M Mohanty

observed using the conventional plerixafor regimen. Following the conventional regimen, the doses of CD 34+ cells obtained and recorded in his hospital laboratory are 0.74×10^6 /kg/body weight on day 5th and 0.5×10^6 /kg/body weight on 6th day. The combined doses are deemed inadequate for transplant. Dr Khetarpal concluded that it is now the time to revisit the conventional protocol and optimized.

The second lecture of the 4th Session was delivered by Dr. Septelia I Wanandi, a Medical Doctor, Faculty of Medicine, University of Indonesia. She is a researcher in the field of Cancer Biology, at the molecular level, worked on Radiation Oncology in Hokkaido University, Japan. Dr Septelia has special research interest in the regulation of oxidative stress and hypoxia in Cancer Stem Cells. She spoke on breast cancer, entitled, 'The survival of human breast cancer stem cells towards oxidative stress modulations.' Breast cancer is the leading cause of cancer-death among women in Indonesia. Disease occurrences are also very high. The focus of Dr Septelia was that Cancer Stem Cells may be responsible for therapy resistance. The recurrences of cancer is also due to Cancer Stem Cells. She emphasized the importance of the effect of oxidative stress modulation on the survival of human breast CSCs. This result was compared to non-breast CSCs. The patients were treated with established compounds, rotenone and H₂O₂ and the intracellular reactive oxygen species and anti-oxidant levels were determined. The viability of the CSCs were tested. The result shows that survival of breast CSCs is enhanced due to oxidative stress modulation. This was compared to non-breast CSCs which is much below the average level. The result was implicated to higher expression of at least one enzyme, manganese superoxide dismutase, higher expression of antioxidant, and higher expression of survivin as anti-apoptosis protein. The role of survivin was further investigated using YM115. The YM115 is an inhibitor of survivin. The result showed that survivin is responsible for maintaining the breast CSCs in oxidative stress modulation. The inhibitor could also suppress the expression of the anti-oxidant enzyme and increase the reactive oxygen species. Dr. Septetelia has proposed that the inhibitor, YM115 may be a good therapeutic option of the eradication of breast CSCs.

Dr Pankaj Seth, Professor and Scientist VI, Molecular and Cellular Neuroscience, Neurobiology Section, National Brain Research Centre (NBRC). Dr Seth is Heading Neuro-AIDS Laboratory. He worked in Uniform Services University of Health Sciences, Bethesda USA and his research area includes Neurovirology and Ischemia Reperfusion Injury, Neurological Disorders and Stroke. Dr Seth has established human fetal brain derived neural stem cell culture system at NBRC. He spoke on the topics .entitled, 'Neural Stem Cells as models for understanding healthy and diseased brain'. Dr Pankaj scholarly delivered his topic. He explained that many common neurological diseases can be modelled in rodents. These animal models do not faithfully reproduce the human syndrome at either the molecular or anatomical levels. This owes to important species differences. The study of diseased human brain tissue is crucial. This will help understanding how mutant proteins or toxins might lead to neuronal dysfunction. This tissue is both scarce and difficult to manipulate. Dr. Seth brought in fore neuronal stem cells as a model for understanding brain disorder. Human stem cells represent a renewable source of tissue that can generate both neurons and glia. Dr Seth explained that use of human neural stem cells from diseased tissues would be a good model for understanding the diseased brain. Engineered neural stem cells which express specific mutant proteins are also a good model to provide new insights into the mechanisms that trigger neurological diseases. Dr Pankaj highlighted that multipotent human neuronal precursor cells are obtained from human fetal brain tissue. These cells have the

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degeneration, and trauma, can disrupt this balance, leading to corneal neovascularization. Limbal stem cell (LSC) deficiency leads to corneal opacity due to a conjunctivalization of the corneal surface. LSC transplantation, which can be followed by corneal keratoplasty, is an effective procedure to restore corneal transparency. Dr Narmata has also mentioned that a common cause of failure of this procedure is neovascularization. The autologous limbal epithelial stem cell transplantation is preferred approach with minimum rejection possibility.

Following the lecture, Dr Sangeeta Chaudhary, Senior Consultant, Department of Research, Associate Professor, Sir Gangaram Hospital, New Delhi delivered her Key Note Address, entitled, 'Engineered Mesenchymal Stem Cell: Current Status.' In her innovative lecture, Dr Sangeeta highlighted different aspects of an important stem cell type, Mesenchymal Stem Cell. Dr Sangeeta explained the importance of *Engineered mesenchymal stem cells* with enhanced tropism and paracrine secretion of cytokines and growth factors to treat traumatic brain injury. Traumatic brain injury is the leading cause of death and disability worldwide. Mesenchymal stem cells are promising for the treatment of various diseases and injuries. Dr Sangeeta pointed out many strategies that have been applied to attract MSCs to injury site after systemic infusion. She mentioned that the chemokine receptor-4 in engineered MSCs serves to attract MSC and migration to TBI. Dr Sangeeta further explained that engineered MSCs activate Akt kinase signaling pathway and promote paracrine secretion of cytokines and growth factors. This leads to enhanced vasculogenesis and neuroprotection at the boundary of TBI for improved blood supply, recovery of axon connectivity, and behavioral ability. All these result in positive feedback loop to enhance additional MSC tropism to injury. These findings indicate that the engineered MSCs are suitable stem cell type to bring brain trauma recovery. Dr Sangeeta explained that the clinical trials for MSC injection into the central nervous system to treat neurological diseases, traumatic brain injury, and stroke are currently ongoing. After the question answer discussion, all the Plenary Session-3 speakers were honored and Mementoes were presented.

With a short Tea Break, Plenary Session-4 started with the Session Chair, Dr Debabrata Banerjee. The First speaker of the session was Dr. Anil Khetarpal, MD, Former Medical Director Unistem Bioscience pvt ltd, a multinational Stem Cell Company, presently Director, Transfusion Medicine and Blood Bank at Artemis Hospital Gurgaon. He headed Department of Pathology and Transfusion Medicine in prestigious hospitals in Kolkata and Delhi. Dr Khetarpal spoke on 'Is it time to revisit conventional Plerixa for protocol in very poor Stem Cell Mobilizers?' Dr Khetarpal described his patient based experimental results documented in his hospital. The experimentation authenticated that administration of Plerixafor, 10—11 hours prior to the harvest may not result in adequate mobilization of stem cells. The time for plerixafor administration, 3—4 hours prior to harvest as considered in Artemis hospital provided adequate mobilization of the marrow. The total dose of CD+ cells obtained in average was 6.3×10^6 /kg body weight is considered adequate. This is very helpful especially in cases of very poor mobilizers. The optimization of the time period for the administration of Plerixafor needs to be further evaluated on the basis of mg/kg body weight. Harvesting of CD 34+ cells for two to three times may be routinely required to harvest sufficient cells for dosing at the therapeutic level. For this accumulation of the cells, the first and second harvested cells are cryo-preserved. In preparation to receive the harvest at a later date, the cells are accumulated to the count number, required for therapy. During this time, the patient is kept on conditioning chemotherapy, called BEAM regimen. Dr. Khetarpal explained that harvest failure, with poor mobilization of stem cells was


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The day 19th Feb 2016 ended with Dinner.

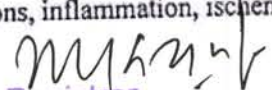
Day 2: Saturday 20th February, 2016

The first day created the right academic ambience for the second day.

The Plenary Session-3 started at 9-30. The Session Chair was Dr Ahmad Faried, MD, PhD, Department of Neurosurgery and Stem Cell Working Group, Faculty of Medicine, Dr Hasan Sadikin Hospital, Bandung, West Java, Indonesia. The Session Coordinator was S M Paul Khurana, Former Vice Chancellor Rani Durgavati University, Jabalpur, Professor, Amity University Gurgaon. The Speaker of the Session-3 was Dr Debabrata Banerjee, Rutgers, The State University of New Jersey, Associate Dean Global Initiatives, Honorary Professor Amity University Gurgaon, Associate Professor Department of Pharmacology, Director, MBS & MCTS Program at Robert Wood Johnson Medical School, USA. The Title of the Talk is 'A Tumor is More Than Just Cancer Cells : Role of Tumor Stroma in Tumor Growth'. Dr Banerjee explained how the tumor microenvironment supports tumor growth. He touched upon in his lecture different areas of carcinoma associated fibroblasts, chemokines, signal transduction, oncogenes, stem cells and blood, gene therapy and related fields. He emphasized the crucial role of activated myofibroblast like cells. These carcinoma associated fibroblasts (CAFs) support the tumor growth. The CAFs is originating from bone marrow derived mesenchymal stem cells. Dr Banerjee explained the mechanism of self recycling of tumor derived lactate to glucose what fulfill the requirement of energy of cells. These glucose is also available for the neighboring glycolytic tumor cells. The tumor growth is also supported by other metabolites like pyruvate. Dr Banerjee also explained that pyruvate is a metabolite of lactate oxidation. In the cancer cells reactive oxygen species are elevated. These oxygen species adds to the cytotoxicity. He demonstrated that lactate-pyruvate oxidative process is likely operating in the tumor microenvironment. This supplies energetic glucose in tumor cells. The tumor grows. The lecture was very much appreciated and applauded.

The second lecture was delivered by Dr Namrata Sharma, Senior Ophthalmologist, AIIMS-Delhi, Dr. Namrata is a specialist in Refractive Surgery, Laser in Situ Keratoplasties, Glaucoma Phacoemulsification, Corneal Disorders, Contact Lenses. Dr. Namrata Sharma is also Additional Professor of Ophthalmology Cornea, Refractive and Glaucoma Science. Dr Sharma highlighted in her lecture aspects of limbal stem cell transplantation, like Autologous limbal grafting combined with deep lamellar keratoplasty in unilateral eye, Deep anterior lamellar keratoplasty combined with autologous limbal stem cell transplantation, Combined autologous and allograft limbal cell transplantation with penetrating keratoplasty, Ex vivo expansion of corneal limbal epithelial/stem cells for corneal surface reconstruction.

Dr. Namrata Sharma explained that limbal epithelial stem cell transplantations can be successful in patients with LSCD (limbal stem cell deficiency) for the reconstruction of the ocular surface, and they can restore the patient's clinical condition so that it can allow for a corneal graft with reduced risk of rejection. Dr Namrata explained that the human cornea is known to be an avascular and transparent tissue. Its avascularity is maintained by an appropriate balance between anti-angiogenic and anti-lymphangiogenic factors, as well as by the integrity of limbal stem cell (LSC) barriers. A wide variety of insults, such as infections, inflammation, ischemia,


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Plenary Session-1 is concluded by presenting Mementoes to the Speakers.

Plenary Session-2 started at 3-30 p.m., chaired by Prof. Raj K Tiwari, New York Medical College, New York, USA. The Session Coordinator was Maj Gen Mahavir Singh, Dean Amity Medical School, AUG. The first Speaker of the second Session was Dr. S Varia, Department of Neuroscience and Cell Biology, Director of Biomedical Science Program, Rutgers Robert Wood Johnson Medical School, Rutgers, The State University of New Jersey, USA. The title of the lecture was, 'Use of Genetic Models and Pharmacologic Agents to Target P-75 and Tyrosine Kinase Receptors for treatment of Traumatic Brain Injury'. Her lecture includes concepts and implications of Neurotrophic factors and Neuropeptides in neuronal development and associated disorders. The speaker explained the mechanical tissue damage during traumatic brain injury (TBI). This leads to secondary injuries. At this stage dendritic and axonal degeneration takes place resulting in neuronal death and gliosis. Dr Varia explained her work which unfolded the molecular mechanism underlying the traumatic brain injury. Using injury model in mice she explained the cellular and behavioral outcomes. Her result shows that, after traumatic brain injury, p-75 levels were induced and neurotrophin levels are suppressed. She explained that by activating the beneficial signaling pathway behavioral and pathological consequences of the TBI patients can be explained. The other important point of her lecture is that a specific receptor, EphA6, is up regulated in the TBI-Patient following lateral fluid percussion. Dr varia also explained the current research in her laboratory on EphA6-signalling pathway which can enhance regeneration and neuro-repair. It was a great appreciation from the audience with multiple question answers.

The second lecture of the session was delivered by Dr. Ahmad Faried, MD, PhD, Department of Neurosurgery and Stem Cell Working Group, Faculty of Medicine, Dr Hasan Sadikin Hospital, Bandung, Indonesia. The title of the lecture is 'Hospital Waste Product as a potential Stem Cell Resources for the basis of Public Stem Cell Bank Development in Indonesia: Translational Medicine from Bench to Bedside'. The waste material in the Dr Hasan Sadikin Hospital are the foeto-maternal tissues, umbilical cord blood, umbilical cord matrix, amnion and chorion. These are potential bio-resources. These resources are suitably utilized by various stakeholders to develop Public Stem Cell Bank. Dr. Ahmed emphasized that the challenges are technology transfer. Overall the waste utilization approach by applied research will benefit genetically diseased patients by the application of translational medicine. Dr. Ahmed is a neurosurgeon. He explained the practical aspect of the hospital waste product utilization and application to neuroscience research such as brain micro vessel endothelial cells, neural stem cells and cancer stem cells. The lecture was appreciated by participating Doctors, Researchers, Scientists, Academicians and students. The lecture session ended with presentation of Mementoes to the speakers.

After the Lecture Session-2 and tea break, the dignitaries visited the Poster Gallery for the selection of best posters for awards.

At the end of the day, short cultural functions were organized under the guidance of Ms Sanchita Raghav. It includes dances by Nepali students of Amity University, classical songs by Ms Sanchita Raghav and other Indian performances. It was very pleasing and appreciated by all.

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After the two lectures, Maj Gen B S Suhag, Dy Vice Chancellor, AUG pronounces 'Vote of Thanks' for the inaugural session. Maj Gen Suhag thanked all the dignitaries, National and International for their kind participation of the International Conference at AUG. The Inaugural Session ended with the presentation of Mementoes to Dr Raj K Tiwari, USA and Dr N K Mehra, AIIMS-Delhi, India by the Honorable Vice Chancellor, Prof (Dr) P B Sharma.

Signing of MOU between Amity University Gurgaon and Rutgers, The State University of New Jersey, USA, was done at 2—15 p.m. in presence of National and International dignitaries. Honorable Chancellor, Dr Ashim Chauhan blessed the occasion and addressed the participating audience, students, national and international.

After the lunch break, the Plenary Session started by 2-30 p.m. chaired by Debabrata Banerjee, USA and coordinated by Dr. Septelia I Wanandi, Indonesia. The first Speaker of the Plenary Session-1 was Dr. Debashish Das, Head Stem Cell Research Laboratory, Narayana Netralaya, Bangalore. The Title of his speech, 'Ocular Surface Reconstruction: A Limbal Success Story'. The speech was an explanation of laboratory based work experience. The focus was the construction of corneal surface. Ex Vivo cultured limbal tissues are used. The outcome is variable in patients with limbal stem cell deficiency diseases. The lecture described the establishment of explant cultures on human amniotic membrane. The media used corneal lineage differentiation medium. The application of different markers, corneal lineage-specific markers, stem cell markers, proliferation markers and apoptotic markers were emphasized. The outcome is promising. The Notch signaling molecules were elevated in limbal cultures. Comparative results were explained. The limbal culture outcome was described in comparison with oral and conjunctival cultures. The speaker was very positive about the experimental results implicating the probable factors that might drive a successful transplantation. The lecture was followed by relevant questions. The speaker explained that the ex vivo model will help understanding towards the design of transplantation medicine.

The lecture was followed by the presentation of another important experimental study based lecture, delivered by Indonesian Scientists, Dr Cynthia R from Prodia Stemcell, Indonesia. She is an active member of the International Society for stem cell research, member of International Society for stem cell therapy, Secretary General of the Association of Atherosclerosis and Vascular Diseases. Dr Cynthia gave the introduction of her lecture and the experimental details with the results were presented by her student, Dr Bayu Winata Putera, Hassanuddin University, Indonesia. Dr Cynthia described the complications of the ischemic stroke which is a major World Health problem with high mortality and severe morbidity. In vivo neuro-repair is the challenge of the therapy. Dr Bayu highlighted the role of stromal derived factor-1 is the most important protein for neuro repair. The comparative study was made with other proteins, like Brain Derived Neurotrophin factor and very small embryonic-like cells. These proteins/factors are mobilized into peripheral blood in ischemic stroke patient after intra arterial Heparin Flushing. These factors play important roles in the process of endogenous neurorepair. The outcome of the experiment was given and explained with quantitative statistical significant results. The lecture was very impressive. Questions were raised on basic ischemia, neurorepair and Intra arterial Heparin Flushing.


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welcome to the International and National dignitaries and Speakers. The Coordinator of the conference, Prof (Dr) S K RAY, presented a brief report of the conference. Prof (Dr) Padmakali Banerjee, Pro Vice Chancellor, AUG, gave her gracious remarks and blessed the occasion. Honorable Vice Chancellor, AUG, Prof (Dr) P B Sharma delivered the 'Welcome Address'. The theme of the lecture was " Research and Inovations to Make Health for All a Reality". The Vice Chancellor Sir extended His worm welcome to the Indonesian, American and Indian Invited Speakers for their gracious presence in the International Conference on the coming up research field, translational medicine and stem cell research.

Prof VC-Sir specifically thanked Dr. Debabrata Banerjee, Dean Global Innitiative , RUTERS-University, USA, and Prof (Dr) Raj K Tiwari, New York Medical College, USA for their kind support in the International Conference at Amity University Gurgaon. The Vice Chancellor-Sir conferred the honor of HONORARY PROFESSOR to the foreign dignitary and Assistant Dean, Global Initiative, Dr. Debabrata Banerjee, RUTGERS, The State University of New Jersey, USA. Dr Banerjee kindly accepted the Honor with grace.

Inaugural key note address

The inaugural key note address was delivered by Pro Raj K Tiwari. The title of the lecture was 'Evolving paradigms in cancer immunotherapy: translational successes and future promises. The lecture focuses on the innovations in the area of biomedicine emphasizing on the innovations in immunology, neuroscience, stem cell research and its applications in several areas of biomedical research. He touched upon the immune system, regenerative therapy, genetic diseases, metabolic disorders and cancer immunotherapy. He highlighted the challenges of the immune response including immune evasion, development of tolerance and a sustained tumor rejection. He explained the current researche and gave a promise to induce a sustained immune response in patients by the innovative applications of check point inhibitors. The speaker mentioned recent development of methods to generate peptide mimetic antigens which are capable of tumor regression in animal model. This was very successful in prostate cancer patients. Current technology helped develop multivalent antigenic vaccine suitable for melanoma. A combinatorial approach including melanoma vaccine, checkpoint inhibitors and activated humoral and cellular immune response keep a promise to prevent secondary recurrences in cancer patients. Essentially Dr Tiwari gave an update of cancer vaccine. The deliberation set the International conference on the right perspective. The lecture aroused lot of interest and several questions pertaining to checkpoint inhibitors and its implications were discussed. The audience applauded the lecture with much enthusiasm.

Following the lecture, Dr N K Mehra , Former Head, Transplant Immunology & Immunogeneti and Former Dean Research , AIIMS, New Delhi delivered his noble talk highlighting the various rules and regulations of ICMR-Delhi on experimentation of stem cell on human genetic disorders. Research and development at the laboratory level is not restricted by various clause and subclasses of the regulatory bodies. Approval of different Government bodies are necessary when the R & D findings of stem cell applications are subjected to human experimentation as therapy. The lecture aroused many queries and subsequent discussions. Dr. Sangeeta chaudhury clarified that there is no restrictions on the research activity in the laboratory for the purpose of innovation.


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Dr. Virender S Sangwan, MS Dr.Paul Dubord Chair in Cornea Director, Center for Ocular Regeneration (CORE), Director, Srujana-Center for Innovation L V Prasad Eye Institute, Hyderabad, India

Dr (Brig) Anil Khetarpal MD Artemis Hospital, Former Medical Director, Unistem Biosciences

Pankaj Seth, Ph.D Professor and Scientist VI, Molecular and Cellular Neuroscienc Neurovirology Section, National Brain Research Centre (NBRC), India

Dr Ina Septelia Faculty of Medicine, Department of Biochemistry and Molecular Biology, Universitas Indonesia Jakarta, Indonesia

Dr. Cynthia Retna Sartika, The Director, Prodia Stem Cell Indonesia

Dr. Sujata Mohanty, PhD Head, Stem Cell Facility, AIIMS-Delhi, India

Dr Namrata Sharma, Senior Ophthalmologist, AIIMS-Delhi, India

Dr. Sangeeta Choudhury, Sir Gangaram Hospital, New Delhi, Senior Consultant, Department of Research & Associate Professor Sir Ganga Ram Hospital, New Delhi, India

Dr. Vimal Kishor Singh Stem Cell Research Laboratory, Department of Biotechnology, Delhi Technological University, Delhi, India

Dr. Ahmed Faried Ahmad Faried, MD, PhD Department of Neurosurgery and Stem Cell Working Group, Faculty of Medicine, Universitas Padjadjaran-Dr. Hasan Sadikin Hospital, Bandung, West Java, Indonesia.

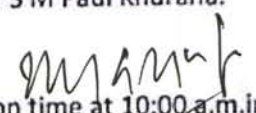
Dr. Debashish Das, Head Stem Cell Research Laboratory, Narayana Netralaya, Bangalore, India.

Dr. Bayu Winata Putera, Clinical Biochemistry, Hasanuddin University, Indonesia.

Activity on the day 19th Feb 2016, started with the registration of the participants and arrival of the guest speakers at 9:00-10:00am. With the floral welcome of the dignitaries and lighting of the lamp the stage was ready for inaugural session of the conference. This is followed by brief report on the International conference by Prof. S K RAY, Coordinator of the Conference, highlighting the scope and objectives of the International Conference and innovations in the area of biomedicine. The Dias was delighted by the presence of eminent researchers, national and international, Prof Raj K Tiwari, Dr. Septelia I Wanandi, Dr. Debabrata Banerjee, Prof Dr P B Sharma, Maj Gen B S Suhag, Prof Dr Padmakali Banerjee and Prof Dr S M Paul Khurana.

Initiation of the International Conference.

The International Conference on the translational medicine started on time at 10:00 a.m. in the Bloch-A Auditorium of AUG with lighting of the lamp with Saraswati Prayer and the floral


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Stem Cell

Feb.

Detailed Report on the International Conference, 19–20, 2016
at Amity University Gurgaon.

Title: International conference on translational medicine: Immerging Trends in Biomedicine, Biotechnology and Stem Cell Research—Present Status and Future Prospect.

Resource Organizations:

Amity University Gurgaon presented the International conference in collaboration with the faculty members from Rutgers University (The State University of New Jersey) USA, New York Medical College USA, Jakarta University Indonesia, Rutgers Robert Wood Johnson Medical School USA, Prodia Stem Cell Laboratory Indonesia, Dr. Hasan Sadikin Hospital Bandung Indonesia. The Indian speakers participated in the conference are faculty members from reputed Institutes like, Sir Ganga Ram Hospital, AIIMS-Delhi, Artemis Hospital-NCR-Gurgaon, National Brain Research Centre-Manesar-Gurgaon, LV Prasad Eye Institute- Hyderabad, Stem Cell Research Lab Narayana Netralaya Bangalore, Department of Biotechnology Delhi Technological University.

Registered Participating Institutes of the Int. Conference:

Faculty members, students, researchers from the Institutes, Maharishi Markandeshwar Institute of Medical Science Research, Ambala, Participants from MMMCH-Solan, Postgraduate Student from Hasanuddin University Indonesia, Research student from Narayana Netralaya, PhD scholars from Delhi Technological University, Students from Gwalior Amity University, Faculty members from Jaipur Amity University, Students from Amity University Gurgaon.

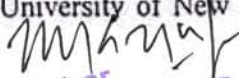
List of Invited Speakers

Prof Raj K Tiwari, Professor and Program Director, New York Medical College, New York USA

Dr. N K Mehra, FNASc, FIMSA, FNA, FHuASc (Hungary), FTWAS (Italy) Dr C.G. Pandit National Chair Former Dean (Research), AIIMS, New Delhi and Founder Head, Department of Transplant Immunology & Immunogenetics AIIMS New Delhi, India

Dr. S Varia, Department of Neuroscience and Cell Biology Rutgers University USA

Dr Debabrata Banerjee, Associate Dean, Global Initiatives, Director, MBS & MCTS Programs at Robert Wood Johnson Medical School, Director, Master of Biomedical Science, Master of Clinical and Translational Science, Associate Professor Department of Pharmacology, Graduate School of Biomedical Sciences Rutgers University, The State University of New Jersey USA


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Appreciation-1 P.C.S. Devara, U.C. Dumka, M.P. Alam, T. Paul, S. Tiwari and M.Joshi, Amity Centre for Environmental Science, AUG, Award Amount INR 1000/ (Rupees one thousand only), Title: Day-Night and Weekdays-Weekends Asymmetry In BC, PM1, PM2.5, AND PM10 Mass Concentrations and Plausible Health Effects Over Panchgaon, Haryana.

Appreciation-2 Samyak Jain, Versa Bhandari and Sangita Venkataraman, Award Amount INR 1000/ (Rupees one thousand only). Title: Omnic Research at Amity University Gurgaon

The Poster awardees were appreciated and honored on the Dias and handed over the award amount in cash.

Panel Discussion was held under the blessings and guidance of Prof (Dr) P B Sharma ,Honorable Vice Chancellor,AUG. All the dignitaries and Invited Speakers present were requested to sit on the Dias and participate in the discussion. Each dignitaries spoke a few words about the conference and its objectives. A few suggestions were placed for further discussion, and decisions would be taken at the appropriate level.

Comparing was done by Dr Sangeeta Kumari,AIB and Ms Sanchita Raghav, ABS.

The two days International Conference , 19th and 20th Feb 2016 were concluded with vote of thanks on 19th Feb 2016 at 19:00 hrs. The chairman of the Int. Conference, Prof(Dr) P B Sharma announces end of the Conference.

Prof (Dr) S K RAY,AIB, Coordinator

Assit. Professor Dr Machiavelli Singh, AIB


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Report

An Expert Lecture organized on 7th April 2016, @10:00AM - 11:30AM on Computational Biology

Chief Guest: Prof. M R N Murthy, Molecular Biophysics Unit (MBU), Indian Institute of Science (IISc), Bengaluru

Venue: Conference Hall,
Time & Date: 10:00AM - 11:30AM, 7th April 2016

Organizers: Dr. Burra V L S Prasad / Dr. Sangita Venkataraman, Center for Research and Innovation in Advanced Structural Biology (CARISB) / AIB.



Talk Details:

Title:

Carrier Proteins: Current Understanding about Structure and function

Summary of the Talk:

Prof. M R N Murthy delivered a lecture on "Carrier Proteins: Current Understanding about Structure and function". His talk was targeted for the students and faculty. More than 50 students attended the talk and packed the venue. He talked about three protein

structures which turned out serendipitously as carrier proteins. One of the proteins his lab solved was fatty acid carrying protein. What Prof. Murthy also stressed on was the difficulty in annotating the proteins based on sequence homology alone. He went on to assert his views by discussing about the structures of two "Universal Stress Proteins" (USPs), YnaF and YdaA from *Salmonella typhimurium*. Based on structural analysis his lab ascertained that USPs appear to perform several distinct functions such as ATP hydrolysis, altering membrane properties and chloride sensing.



Brief Biographical Sketch:



Personal Note: Prof. M R N Murthy is one of finest Teachers at IISc and elsewhere. He is also one of the pioneers of Virus Crystallography in the Country. Dr. Sangita is one of his Students during Ph.D.

Prof. Murthy, along with Professor M. Vijayan, established X-ray diffraction facility at the Molecular Biophysics Unit, which served as the national nucleus for crystallographic work in the initial decade of such structural work in India. Also in the 1980s and early 1990s, computational facilities available at the Indian Institute of Science were inadequate for even protein crystallography and successful execution of structural studies of viruses was unimaginable. Murthy developed methods for the structure

M R N Murthy
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determination and analyses of viruses that were computationally efficient and less demanding of resources, writing several programs and adopting a number of other available programs to smaller computing machines. His success in these endeavors is reflected in the successful conclusion of several structural studies on virus particles, which are the only such studies performed in the twentieth century in the third world.

Prof. Murthy has shown deep commitment to Science education in the state of Karnataka of India. This interest has been facilitated by his intimate knowledge of the state language, Kannada and his ability to express ideas of Science with ease. He has actively participated in the activities of Karnataka Rajya Vigyana Parishad (an autonomous organization with the goal of promoting science education), Bangalore Association for Science Education (functioning from the Nehru Planetarium, Bangalore), extension lecture program of the Indian Institute of Science, supported by the University Grants Commission, New Delhi and Karnataka State Council for Science and Technology. He frequently writes articles on scientific ideas and discoveries in the local language. Kannada Pusthaka Pradhikara (a publishing body of the Karnataka Government) has published a popular book on Biotechnology written by him in Kannada.


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AIB Faculty Details 2016

S. No.	Faculty Name	Designation
1	Prof.(Dr) Rajendra Parsad	Director
2	Prof (Dr) SM Paul Khurana	Professor
3	Prof S.K.Ray	Professor
4	Dr Burra Prasad	Professor
5	Dr Machiavelli	Assistant Professor
6	Dr Gargi	Assciate Professor
7	Dr Manju	Assistant Professor
8	Dr Saif Hameed	Assistant Professor
9	Dr Nitai Deb Nath	Assistant Professor
10	Dr Anil Kumar	Assistant Professor
11	Dr Sarika Chaturvedi	Assistant Professor
12	Ms Shikha Khandelwal	Assistant Professor
13	Dr Sangita V	Assistant Professor
14	Dr Sangeeta Kumari	Assistant Professor
15	Dr Sudhanshu	Assistant Professor ..
16	Dr Zeeshan	Assistant Professor
17	Dr Munindra	Assistant Professor
18	Dr Tani Agarwal	Assistant Professor
19	Dr Sumistha	Assistant Professor
20	Dr Gaurav	Assistant Professor
21	Dr Ravi	Assistant Professor
22	Dr Avinash Marwal	Assistant Professor
23	Dr Manju Anand	Professor
24	Dr Narender Kumar	Asst. Professor
25	Dr B.Sen	Assc. Professor
26	Dr Surender	Asst. Professor
27	Dr Kirshan Murrari	Assc. Professor
28	Dr Ujjani	Asst. Professor


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Amity Institute of Biotechnology organised a talk by Dr. Sabareesh V.

On “Mass spectrometry of peptides and lipids”

08th April, 2016, Friday, at 3.00 p.m.

Venue: A, Block Conference Room

Coordinators

Dr. Zeeshan Fatima

Dr. Saif Hameed



Dr. Sabareesh presented applying mass spectrometric methods for investigating a variety of biomolecules. Biological processes and transformations are concurrent with alterations of chemical properties, implying molecular modifications. Therefore, characterization of biomolecules provides clues to comprehend biological events. Sensitivity and ability to directly investigate crude mixtures are a few merits that render mass spectrometry more useful than other techniques to study biomolecules. This includes application of different chromatographic procedures as well.

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Dr. Sabareesh V., Profile



Dr. Sabareesh V., a mass spectrometry specialist. Dr. Sabareesh earned his Doctoral degree in Molecular Biophysics Unit (MBU), Indian Institute of Science (IISc), Bengaluru, Karnataka, India. The topic of his thesis was "Mass spectrometric sequencing of acyclic and cyclic peptides under the Supervision of Prof. P. Balaram. He is recipient of Prof. B.H. Iyer Medal for best Ph.D thesis within MBU, IISc for 2007-08 on March 2009. He did his Postdoctoral Research Associateship from Michael Barber Centre for Mass Spectrometry, University of Manchester, Manchester, United Kingdom after served as that Research Associate at Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bengaluru, Karnataka, India. Dr. Sabareesh worked as Scientist Fellow at Institute of Genomics and Integrative Biology (IGIB), New Delhi, India. Currently he is working at Advance Centre for Bio Separation Technology (CBST), Vellore Institute of Technology (VIT) University, Vellore, Tamil Nadu.

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6	Dr Gargi	Associate Professor
7	Dr Manju	Assistant Professor
8	Dr Saif Hameed	Assistant Professor
9	Dr Nitai Deb Nath	Assistant Professor
10	Dr Anil Kumar	Assistant Professor
11	Dr Sarika Chaturvedi	Assistant Professor
12	Ms Shikha Khandelwal	Assistant Professor
13	Dr Sangita V	Assistant Professor
14	Dr Sangeeta Kumari	Assistant Professor
15	Dr Sudhanshu	Assistant Professor
16	Dr Zeeshan	Assistant Professor
17	Dr Munindra	Assistant Professor
18	Dr Tani Agarwal	Assistant Professor
19	Dr Sumistha	Assistant Professor
20	Dr Gaurav	Assistant Professor
21	Dr Ravi	Assistant Professor
22	Dr Avinash Marwal	Assistant Professor
23	Dr Manju Anand	Professor
24	Dr Narender Kumar	Asst. Professor
25	Dr B.Sen	Assc. Professor
26	Dr Surender	Asst. Professor
27	Dr Kirshan Murrari	Assc. Professor
28	Dr Ujjani	Asst. Professor

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The Amity Biotechnology Club organized a talk by Dr Avinash Bajaj from Regional Centre for Biotechnology, Faridabad.

April 25th, 2016, Monday, at 10 a.m.


Venue: A, Block Conference Room

Unlocking the chemistry of bile acids in combating cancer and infectious diseases

Avinash Bajaj, PhD

Cancer chemotherapy treatment faces major challenges of toxicity, non-specificity, poor drug availability, and drug clearance from the body. In case of infectious diseases, antimicrobial resistance is increasing especially in case of gut, lung, respiratory tract, urinary tract, and wound infections.

Dr Bajaj presented the two challenges using inter-disciplinary approaches of synthetic chemistry, membrane biophysics, material science, cell biology and *in vivo* studies. They use bile acid scaffold for engineering of a class of amphiphiles that has the tendency to self-assemble and form aggregates. Self-assembly of these biocompatible amphiphiles were explored for sustained release of drugs for localized drug delivery applications that would help in targeted drug delivery avoiding non-specific interactions and reducing multiple cycles of chemotherapy thereby lowering toxicity. To combat drug-resistant bacterial infections, Dr Bajaj studied the interactions of amphiphiles with different cell membranes of mammalian cells, gram positive, gram negative and mycobacteria to find the selective membrane targeting amphiphiles. The result of the studies have unraveled the development of next generation membrane targeting antimicrobials that have ability to target gut infections.


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Dr. Avinash Bajaj obtained a doctoral degree from the Indian Institute of Sciences, Bangalore, in Bio-organic Chemistry in 2008. He performed post-doctoral research in the University of Massachusetts, Amherst, in 2008 - 2010. He came back to India as a Ramanujan fellow in 2010 following which he joined the Regional Center for Biotechnology. Currently, he is an

Associate Professor in the Regional Center for Biotechnology. His research interests include Nanomaterials for Cancer Therapy and Chemical Biology Approaches to combat Infectious Diseases among others. Presently he has 44 publications with over 1200 citations.

Convenor:

Prof. Rajendra Prasad,
Director, AIISH & AIB

Coordinator

Dr Gargi Bagchi
gbagchi@ggn.amity.edu


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AIB Faculty Details 2016		
S. No.	Faculty Name	Designation
1	Prof (Dr) Rajendra Prasad	Director
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14	Dr Sangeeta Kumari	Assistant Professor
15	Dr Sudhanshu	Assistant Professor
16	Dr Zeeshan	Assistant Professor
17	Dr Munindra	Assistant Professor
18	Dr Tani Agarwal	Assistant Professor
19	Dr Sumistha	Assistant Professor
20	Dr Gaurav	Assistant Professor
21	Dr Ravi	Assistant Professor


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Guest Lecture

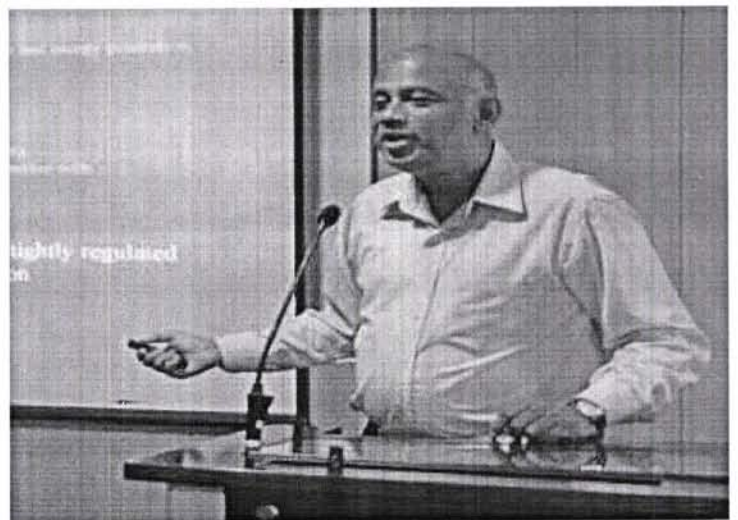
“*Leishmaniadonovani*- the master manipulator of host iron homeostasis”

May 27th 2016, Friday

Speaker:

Prof. Chinmay Mukhopadhyay
Special Centre for Molecular Medicine,
JNU, Delhi

Prof. Mukhopadhyay did his doctoral studies in Biochemistry at the Department of Biochemistry from Calcutta University under the supervision of Prof. I. B. Chatterjee and received the postdoctoral training under the mentorship of Dr. Paul Fox in the Department of Cell Biology, Cleveland Clinic Foundation, USA. He has joined the ‘Special Centre for Molecular Medicine’ in 2001. Dr.



Mukhopadhyay received Young scientist award from Indian National Science Academy in 1995, Elsa Albrecht Award, USA in 1998. He has also received the International Senior Research Fellowship from The Wellcome Trust, UK in 2004. Dr. Mukhopadhyay’s research interest is to understand the role of iron in metabolic disorders like insulin resistance related disorders, Neurodegenerative diseases like Parkinson disease and Alzheimer disease as well as in survival and growth of protozoan parasite *leishmaniadonovani* within macrophages that might be helpful for designing therapeutic interventions to combat these diseases. He studied cross talk between iron and oxygen (reactive oxygen species and hypoxia) in metabolic disorders, iron homeostasis in glia and neuron: implications in neurodegenerative diseases and role of iron in the growth of *Leishmaniadonovani* and in interaction with host macrophages. He guided 18 PhD students. He is in Editorial Board of Scientific Reports & PLoS. His honors include: INSA medal for young scientist, 1995; Elsa Albrecht Award, USA, 1998; International Senior Research Fellowship; The Wellcome Trust, UK, 2004 and Member of Guha Research Conference, 2014. Prof. Mukhopadhyay will talk on “role of iron in the growth of *Leishmaniadonovani* and in interaction with host macrophages”.

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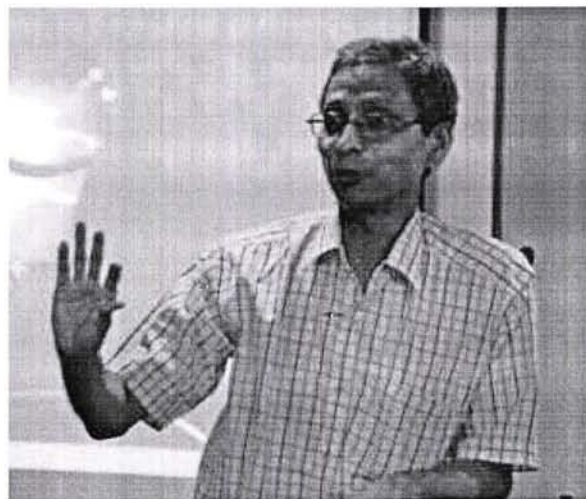
Amity Institute of Biotechnology, Gurgaon Organized Guest Lecture on *Leishmaniadonovani* by Prof.Chinmay Mukhopadhyay, JNU on 27th May, 2016

Prof. Rajendra Prasad, Director, AIB, AUH welcomed Prof. Mukhopadhyay & Prof. Mondal to the Amity University Gurgaon. Prof. Rajendra Prasad gave a warm welcome to the guest and thanked him for making it possible to deliver his important lecture in Amity University, Gurgaon. Prof. Rajendra Prasad emphasized on Prof. Mukhopadhyay's major contributions in understanding the process iron homeostasis in *Leishmania*.

Prof. Mukhopadhyay talked about his discoveries on "*Leishmaniadonovani*- the master manipulator of host iron homeostasis" Defective regulation of iron homeostasis genes lead to either, iron excess and related tissue injuries due to iron-stimulated oxidative damage or iron deficiency disorders. He discussed the role of iron in determining host-pathogen interaction. Because of its exquisite role in energy metabolism and electron transfer reaction, iron is essential for survival for both the host and invading pathogen. During infection, iron becomes central of the battle field between host and invading pathogens as strategic acquisition of iron by pathogen or sequestration by host can block other's growth. For successful invasion the pathogen has to block iron sequestering mechanism of the host to avail iron for its own growth and survival. He showed the strategies adopted by *Leishmaniadonovani*, the parasite responsible for causing Kala-azar, to manipulate iron homeostasis in host macrophages.

Prof. Alok Mondal,

School of Life Sciences, JNU



Prof. Rajendra Prasad thanked Prof. Mukhopadhyay for such an elaborative research presentation. Prof. Alok Mondal, JNU, also discussed about his current project on termite's ecology & collaborative projects on fungal infections with Prof. Prasad at School of Life Sciences, JNU. Prof. Rajendra Prasad thanked both the guests for sharing their research ideas & future prospects of collaborations with Amity University.


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Convener:

Prof. Rajendra Prasad,
Director, AIISH & AIB
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Coordinator:

Dr. Surender Khatodia
Assistant Professor, AIB
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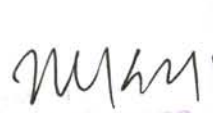
Serine/Threonine Protein Kinase mediated Signalling in *M. tuberculosis*



Vinay Kumar Nandicoori, Ph.D
Staff Scientist V
National Institute of Immunology
Aruna Asaf Ali Marg
New Delhi 110067
Tel: +91-11-26703789
e.mail: vinaykn@nii.ac.in

Vinay Nandicoori received his Ph.D. in 1999 from the Indian Institute of Science, India, for his research on the mechanism of uracil excision from DNA by *E. coli* uracil DNA glycosylase. During his postdoctoral study at Texas A & M University, he investigated the role of signalling molecules in the cellular processes. Subsequently, he moved to Dept of Microbiology, University of Virginia, where he applied a novel method to specifically label only the direct substrates of MAP kinase ERK2 and identified two novel substrates. In the year 2004, he joined NII as a full-time researcher, where he is currently heading the signal transduction laboratory. He has chosen to investigate the signaling events in *M. tuberculosis* and their host macrophages. Vinay's studies demonstrated that the expression of *M. tuberculosis* serine/threonine protein kinase G (PknG) in non-pathogenic mycobacteria allows the continued existence of these bacteria in host tissues. His group has identified acetylglucosamine-1-phosphate uridylyltransferase (GlmU) and enoyl-ACP reductase InhA of *M. tuberculosis* to be substrates of *M. tuberculosis* protein kinases PknA & B. Research from his lab demonstrated that PknB-mediated phosphorylation of GlmU modulates the acetyltransferase activity and recently, his group has shown that phosphorylation of InhA impacts mycobacterial growth and survival.

Cell-signaling is a process by which environmental signals are transmitted to cells, ultimately resulting in changes in gene expression and activity. *Mycobacterium tuberculosis* encodes for 11 eukaryotic - like serine/threonine protein kinases (STPKs). Genetic and biochemical studies show that these kinases regulate various cellular processes. Though all the *M. tuberculosis* STPKs have been biochemically characterized and a number of substrates identified, many questions remain to be answered. It is conceivable that many or all of the signalling molecules may in fact regulate each other, similar to the cross-talk seen in most eukaryotic signalling pathways. Our endeavour has been directed towards the biochemical characterization of these kinases, the identification of their substrates, and the characterization of the role of the substrate phosphorylations mediated by these kinases.


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Dr. Vinay Nandicoori of National Institute of Immunology, New Delhi visited AUH as invited speaker on June 8 and spoke on 'Serine/Threonine Protein Kinase mediated Signalling in *M. tuberculosis*'. He also interacted with other scientists and students and he is in talks with some scientists for collaborative work.

Dr. Nandicoori was invited and hosted by Dr. Krishna Murari Sinha.



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Manesar Gurgaon-122413

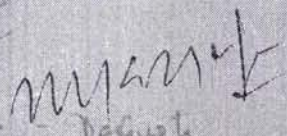
AIB Faculty Details 2016

S. No.	Faculty Name	Designation
1	Prof.(Dr) Rajendra Parsad	Director
2	Prof (Dr) SM Paul Khurana	Professor
3	Prof S.K.Ray	Professor
4	Dr Burra Prasad	Professor
5	Dr Machiavelli	Assistant Professor
6	Dr Gargi	Associate Professor
7	Dr Manju	Assistant Professor
8	Dr Saif Hameed	Assistant Professor
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14	Dr Sangeeta Kumari	Assistant Professor
15	Dr Sudhanshu	Assistant Professor
16	Dr Zeeshan	Assistant Professor
17	Dr Munindra	Assistant Professor
18	Dr Tani Agarwal	Assistant Professor
19	Dr Sumistha	Assistant Professor
20	Dr Gaurav	Assistant Professor
21	Dr Ravi	Assistant Professor
22	Dr Avinash Marwal	Assistant Professor
23	Dr Manju Anand	Professor
24	Dr Narendra Kumar	Asstt Professor
25	Dr B.Sen	Assc. Professor
26	Dr Surender	Asst. Professor
27	Dr Kirshan Murrai	Assc. Professor
28	Dr Ujjani	Asst. Professor


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26	Dr Surender	Asst. Professor
27	Dr Kirshan Murrari	Asst. Professor
28	Dr Ujjani	Asst. Professor


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Challenges and strategies of biotechnology for environmental protection and climate change: the Sustainable way ahead forward

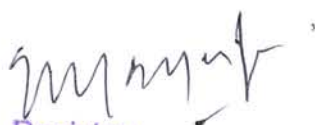
Indu Shekhar Thakur

School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, India

*Corresponding author. Tel: +9126704321 E-mail: ishakw@jnu.ac.in

Ecosystems play a major role in climate-feedbacks because they release and absorb greenhouse gases (GHGs), such as carbon dioxide, methane and nitrous oxides thereby acting as a significant global carbon sink. One form of GHGs may be transformed into another and finally concentrated for fatty acids, biofuels and biomaterials. Microbes are immensely diverse in the environment and have numerous metabolic activities and products that could have industrial applications. Integrated omic analyses (combined metagenomics, metatranscriptomics, metaproteomics and metabolomics) are currently gaining momentum towards providing enhanced understanding of community structure, function and dynamics *in situ* as well as offering the potential to discover novel biological functionalities within the framework of Eco-Systems Biology. The integration of information from genome and proteome to metabolome allows the establishment of associations between genetic potential and final phenotype, a feature not realizable by only considering single 'omes'. Genetic engineering is a growing research area that can optimise biotechnological production routes of new functionalities to known biocatalysts; the enhancement of enzyme activity and selectivity, respectively, by directed enzyme design via foreign gene (over) expression and mutagenesis; the turning off of undesirable pathways in fermentation by knocking out appropriate gene(s), as well as construction of new organisms that combine metabolic properties that do not exist in a single natural organism. Metagenomic approaches have been used successfully in recent years to obtain novel microbial products from uncultured microorganisms. The activity, efficiency and stability of these novel enzymes can be further improved by the application of biotechnology and recent methods. In presentation the approaches related to recruitment of microorganisms, its characterization, optimization and process development, production of bioproducts by biovalorization and related multidisciplinary approach combining different technologies will be discussed which is the way forward for tapping the real potential for sustainable management of environment by biotechnological methods.

Key words: *biofuel, bioplastic, chemolithotrophic bacterium, carbon dioxide sequestration, oleaginous bacteria, proteomics, whole genome sequencing.*



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Professor I.S.Thakur, FNASc, FBRS, FNAES, at present is working in the School of Environmental Sciences, Jawaharlal Nehru University, New Delhi. After completion of M.Sc. and Ph.D. from Jawaharlal Nehru University, New Delhi, he served as Assistant Professor and Associate Professor in G.B.Pant University of Agriculture and Technology, Pantnagar, Uttarakhand. He has more than 30 years teaching experiences in the field of Environmental Microbiology and Biotechnology, Microbial Ecology, Toxicology and environmental Waste Management, and research experiences on bioremediation, bioconversion and detoxification of natural and organic compounds and metals in industrial effluent-pulp and paper, distillery, electroplating, tannery and municipal solid waste and inorganic compounds (Green House Gases) sequestration and production of biofuel (ethanol, biodiesel and biohydrogen) and value added products viz. biosurfactants, bioplastics, exopolysaccharides, bioflocculants, biocomposite materials etc. He published more than 128 research papers in peer reviewed journals, 23 chapters in books, two text books, four patents and technologies. He was Visiting Scientist and Visiting Professor in Germany and Japan, and members of the several committees visited USA, Italy, Austria, Netherland, Finland, Sweden etc. He is member of editorial board and reviewing committees of several journals and professional societies and guest editors of reputed journals viz. Bioresource Technology, Biochemical Engineering Journal, Indian Journal of Experimental Biology, Indian Journal of Biotechnology etc. He has completed more than 18 research projects as PI and 20 Ph.D., 2 M.Phil and 14 Post graduate thesis/dissertations are completed under his supervision.

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Guest lecture on

Challenges and strategies of biotechnology for environmental protection and climate change: the Sustainable way ahead forward

By Prof I.S Thakur

(VENUE: C Block, C211)

Tuesday, June 21, 2016

Approximate fifty faculties AIB, ASEES, ASAS and ASET were present at the time of lecture. Welcome address and Opening remarks was given by **Prof Rajendra Prasad**, Dean Science and Technology and Director, Amity Institute of Biotechnology.

Professor I.S.Thakur, FNASc, FBRS, FNAES, at present is working in the School of Environmental Sciences, Jawaharlal Nehru University, New Delhi. He has more than 30 years teaching experiences in the field of Environmental Microbiology and Biotechnology, Microbial Ecology, Toxicology and environmental Waste Management, and research experiences on bioremediation, bioconversion and detoxification of natural and organic compounds and metals in industrial effluent-pulp and paper, distillery, electroplating, tannery and municipal solid waste and inorganic compounds (Green House Gases) sequestration and production of biofuel (ethanol, biodiesel and biohydrogen) and value added products viz. biosurfactants, bioplastics, exopolysaccharides, bioflocculants, biocomposite materials etc. He published more than 128 research papers in peer reviewed journals, 23 chapters in books, two text books, four patents and technologies. He was Visiting Scientist and Visiting Professor in Germany and Japan, and members of the several committees visited USA, Italy, Austria, Netherland, Finland, Sweden etc. He is member of editorial board and reviewing committees of several journals and professional societies and guest editors of reputed journals viz. Bioresource Technology, Biochemical Engineering Journal, Indian Journal of Experimental Biology, Indian Journal of Biotechnology etc. He has completed more than 18 research projects as PI and 20 Ph.D., 2 M.Phil and 14 Post graduate thesis/dissertations are completed under his supervision.

Prof Thakur talk about understanding on the approaches related to recruitment of microorganisms, its characterization, optimization and process development, production of

M. Thakur
Faculty of Biotechnology
Mansarovar, Gurgaon-122413

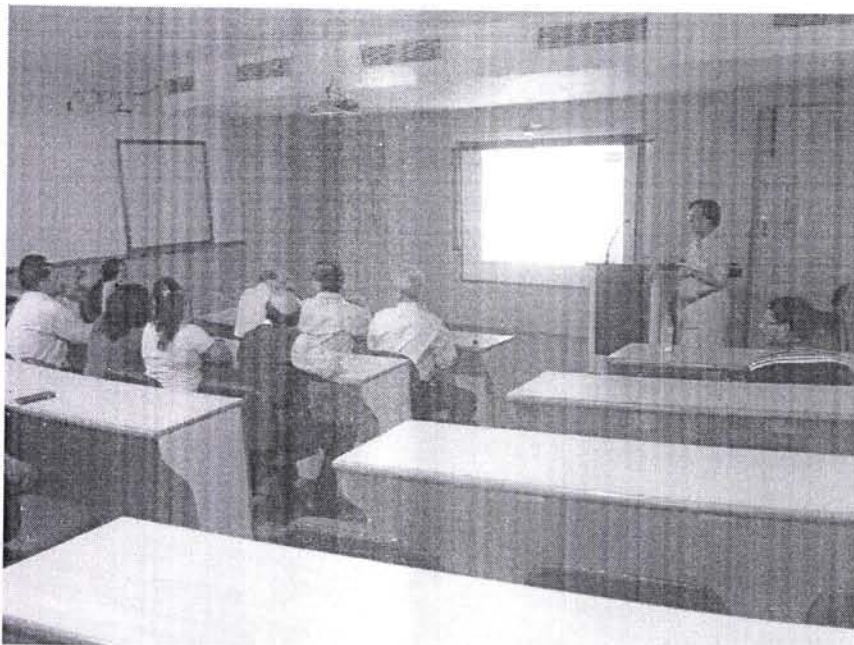
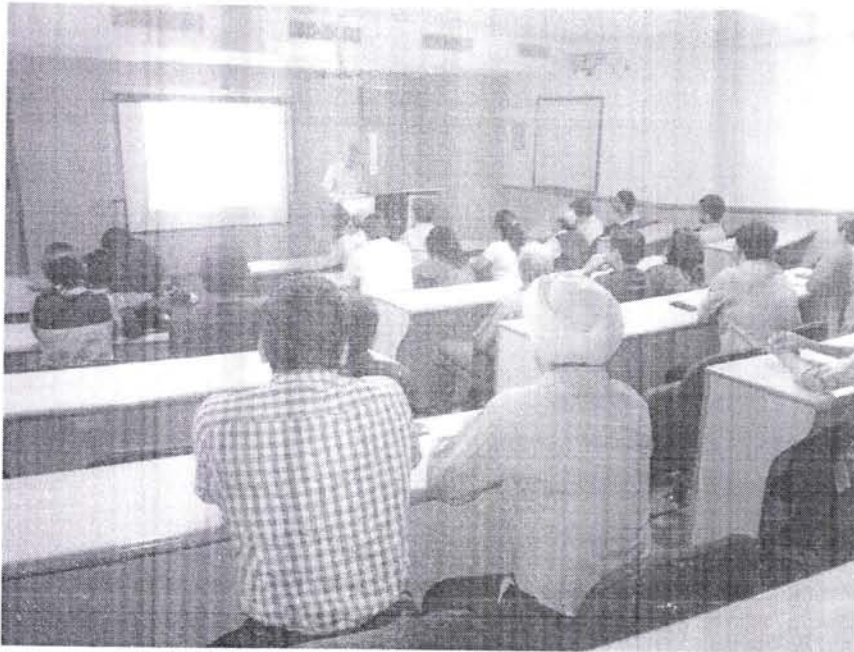
bioproducts by biovalorization and related multidisciplinary approach combining different technologies was discussed which is the way forward for tapping the real potential for sustainable management of environment by biotechnological methods.

Integrated omic analyses (combined metagenomics, metatranscriptomics, metaproteomics and metabolomics) are currently gaining momentum towards providing enhanced understanding of community structure, function and dynamics *in situ* as well as offering the potential to discover novel biological functionalities within the framework of Eco-Systems Biology. The integration of information from genome and proteome to metabolome allows the establishment of associations between genetic potential and final phenotype, a feature not realizable by only considering single 'omes'. Genetic engineering is a growing research area that can optimise biotechnological production routes of new functionalities to known biocatalysts; the enhancement of enzyme activity and selectivity, respectively, by directed enzyme design via foreign gene (over) expression and mutagenesis; the turning off of undesirable pathways in fermentation by knocking out appropriate gene(s), as well as construction of new organisms that combine metabolic properties that do not exist in a single natural organism. Metagenomic approaches have been used successfully in recent years to obtain novel microbial products from uncultured microorganisms. The activity, efficiency and stability of these novel enzymes can be further improved by the application of biotechnology and recent methods.



Meet and greet at VIP lounge


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Lecture and concluding Remarks

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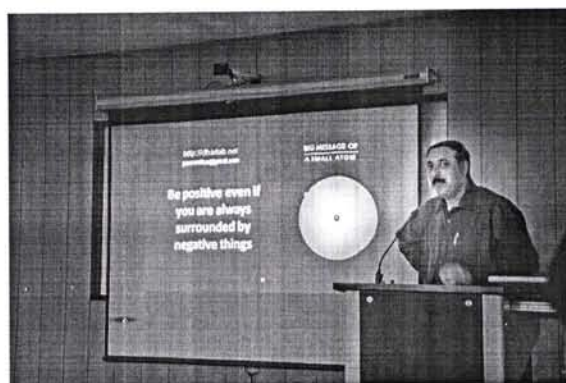
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Prof. Pawan Dhar, Head of Synthetic Biology group, School of Biotechnology, JNU, New Delhi visited AUH as invited speaker on June 24 and spoke on 'Synthetic Biology: from fundamental concepts to applications'. During meet and greet tea, He interacted with Prof. P. B. Sharma (Hon'ble vice chancellor of AUH), Prof. Rajendra Prasad (Director AIISH and AIB) and faculty members of AIB and AIISH. He presented his work and also interacted with other faculty members and research scholars during his visit. Some faculty member are in touch with him for collaborative work.



*Find the original photos along with email

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Amity University Haryana

Amity Institute of Behavioral and Allied Sciences

2 Days Workshop on “Teaching Methodology”

The AIBAS successfully organized a two day workshop on “Teaching Methodology” on 20th and 21st July, 2015.

The **First Day**, dated 20th July, 2015, began with the inaugural session in which our honorable and learned Vice Chancellor, Prof. (Dr.) P.B. Sharma emphasized on the role, responsibilities and qualities of an effective teacher and exhorted the participants to aim for the noble goal of connecting with the students in ways which will inspire and glorify their own lives in the years to come.

This mesmerizing session was followed by the vibrant interaction of our visionary Pro Vice Chancellor Prof. (Dr.) Padmakalli Banerjee, with the faculty audience, who in her inimitable style filled the audience with great enthusiasm as she discussed about the various elements of effective teaching learning process which the teachers can use in the classroom whetting the academic appetite of students with effortless ease and leave them asking for more. In fact she amply demonstrated the same as she infused each and every participant with zeal and also extracted promise from them to deliver such efficacy in their classrooms too.

This was followed by brain storming session on effective teaching learning process. Indubitably, all this set the stage rolling for the other technical sessions to unfold during the day. Undersigned (Prof Rishipal, Head, AIBAS) led the way by taking on two sessions, First on Innovative Teaching techniques and student centric teaching process and second on Effective lab experiment conduction, Term paper guidance and learning material for students.

On the second day, 21st of July, 2015, in all, seven technical sessions were conducted which were, once, again started by Prof Rishipal, Head, AIBAS who spoke on “Personal and Professional Excellence” and “Group dynamics & Team building. Few more topics of behavioral science were taken by other subject experts and then the sessions were followed by brain storming session.

The workshop was concluded in the valedictory function with the blessing words of Prof. (Dr.) RC Sharma, Prof Emeritus, AUH.


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Amity Institute of Behavioural and Allied Science

Two day "Teaching Methodology" Workshop

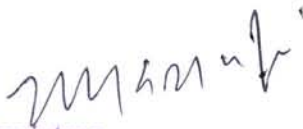
Detailed Programme Structure of Workshop

Programme Schedule

1st Day, 20th July, 2015

TIME	Session	Topic	Resource Person	Remarks
9:30 a.m. - 11:00 a.m.	Ist	Inauguration	Chief Guest, Prof. P.B. Sharma, Vice Chancellor, AUH	-
11:00 a.m. - 11:15a.m.	-	Tea Break	-	-
11:15 a.m. - 12:45p.m.	IIInd	Element of Effective Teaching Learning Process	Prof. Padmakali Banerjee, Pro Vice Chancellor & Dean Academic, AUH	-
12:45 p.m. - 1:45 p.m.	-	Lunch	-	-
1:45 p.m. - 3:15 p.m.	IIIrd	Effective Lab Experiment Conduction, Term Paper Guidance and Learning Material for Students	Prof. Rishipal Head, AIBAS	-
3:15 p.m. - 3:30 p.m.	-	Tea Break	-	-
3:15 p.m. - 4:30 p.m.	IVth	Innovative Teaching Techniques and Student Centric Teaching Process	Prof. Rishipal Head, AIBAS	-
4:30 p.m. - 5:00 p.m.	Vth	Brain Storming Session on effective Teaching Learning Process	All Faculty Members under the Co-ordination of Prof. Rishipal, Head, AIBAS	-

2nd day, 21st July, 2015


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TIME	Session	Topic	Resource Person	Remarks
9:30 a.m. - 11:00 a.m.	VIth	Personal and Professional Excellence & Interpersonal Communication	Prof. (Dr.) Rishipal & Dr. Amita Puri	-
11:00 a.m. - 11:15 a.m.	-	Tea Break	-	-
11:15 a.m. - 12:45 p.m.	VIIth	Group Dynamics and Team Building & Relationship Management	Prof. (Dr.) Rishipal & Dr. Pinki Goswami	-
12:45 p.m. - 1:45 p.m.	-	Lunch	-	-
1:45 p.m. - 3:15 p.m.	VIIIth	Personality, Nationalism and Human Values & Understanding Self for Effectiveness	Dr. Taruna Gera & Dr. Meeta Malhotra	-
3:15 p.m. - 3:30 p.m.	-	Tea Break	-	-
3:30 p.m. - 4:30 p.m.	IXth	Problem Solving & Creative Thinking & Stress and Coping Strategies	Dr. Taruna Gera & Dr. Meeta Malhotra	-
4:30 p.m. - 5:00 p.m.	Xth	Brain Storming Session on effective Teaching Learning Process	All Faculty Members under the Co-ordination of Prof. Rishipal, Head, AIBAS	-

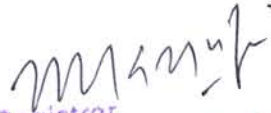

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Attendance List

Sl No.	Name of the Faculty	Designation	
1	Prof. Rishipal	HOD, AIBAS	Present
2	Dr. Kamini C. Tanwar	Assistant Professor, AIBAS, AUH	Present
3	Dr. Meeta Malhotra	Associate Professor, AIBAS	Present
4	Dr. Anupama Srivastava	Assistant Professor, AIBAS	Present
5	Ms. Priyanka	Assistant Professor, ABS, AUH	Present
6	Dr. Nadeem Luqman	Assistant Professor, ABS, AUH	Present
7	Abdul Azeez EP	Assistant Professor, AIBAS	Present
8	Dr. TanuKukreja	Assistant Professor, AIBAS	Present
9	Manpreet Ola	Assistant Professor, AICP,AUH	Present
10	Vikas Sharma	Assistant Professor, AICP,AUH	Present
11	Dr. Ramya Dwivedi	Assistant Professor, AIBAS	Present
12	Shiv Swaroop Jha	Assistant Professor, ACC	Present
13	Arti Singh	Assistant Professor, AIBAS	Present
14	Swapna M.K.	Assistant Professor, ACON	Present
15	Monika Yadav	Assistant Professor, ALS	Present
16	Dr. Pooja Rana	Professor, ASCO	Present
17	Ankit Garg	Assistant Professor, ASET	Present
18	Juhi Singh	Assistant Professor, ASET	Present
19	Dr. Ashok Tiku	Professor, ASL	Present
20	Ranjana Kothari	Assistant professor, ABS	Present

(Ms. Priyanka)

Assistant Professor, AIBAS, AUH

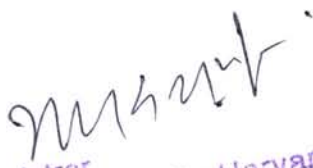

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2	Dr. ...	Assistant Professor, AIBAS, AUH	Present
3	Dr. ...	Associate Professor, AIBAS	Present
4	Dr. ...	Assistant Professor, AIBAS	Present
5	Ms. ...	Assistant Professor, ABS, AUH	Present
6	Dr. ...	Assistant Professor, ABS, AUH	Present
7	Abdul ...	Assistant Professor, AIBAS	Present
8	Dr. ...	Assistant Professor, AIBAS	Present
9	Manpreet ...	Assistant Professor, AICP, AUH	Present
10	Vikas ...	Assistant Professor, AICP, AUH	Present
11	Dr. Rangya ...	Assistant Professor, AIBAS	Present
12	Shiv Swaroop ...	Assistant Professor, ACC	Present
13	Arti Singh	Assistant Professor, AIBAS	Present
14	Swapna M.K.	Assistant Professor, ACON	Present
15	Monika Yadav	Assistant Professor, ALS	Present
16	Dr. Pooja ...	Professor, ASCO	Present
17	Ankit Garg	Assistant Professor, ASET	Present
18	Juhi Singh	Assistant Professor, ASET	Present
19	Dr. Ashok ...	Professor, ASL	Present
20	Ranjana Kothari	Assistant professor, ABS	Present


(Ms. Priyanka)

Assistant Professor, AIBAS, AUH


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Manesar, Gurgaon-122415



Directorate of Outcome

Outcome Report

Event/Activity @AUH

Event Name - Workshop on “Smart City Concept”

Details of Speaker:

Ar. Rajat Ray

Date: 6th October 2015

Venue: Smart Classroom

Organized By:

Faculty Coordinator(s):

1. Ar.Pallavi Sharma

Participation:

- Students:

3rd semester - 25 students,

5th semester – 20 students

7th semester – 15 students

Point wise highlights of the Event

Outcome of the Event with Time Line (Proposed/Achieved)

1. Outcome related to Academia Connect

- a) Collaborations for Research Papers/Conference Papers/ Book Chapter etc
- b) Collaborations & MOU for Research Guidance [PhD, PG &UG (summer training, Dissertation)] & Projects/Use of Instruments etc.
- c) Collaboration for Funded Projects.
- d) Students got knowledge about contemporary material & current technology involved in the contemporary materials.

2. Outcome related to Industry Connect

- a) Placement
- b) Collaborations for Research Papers

- c) Collaborations & MOU for Research Guidance [PhD, PG &UG (Summer training, Dissertation)] &Projects/Use of Instruments
- d) Collaboration for Funded Projects.

3. Outcome related to Students Learning &Grooming

4. Outcome related to Society outreach

- a) Benefit to society in terms of Health & hygiene
- b) Benefit to society in terms of Education

5. Any Other

Cities accommodate nearly 31% of India's current population and contribute 63% of GDP (Census 2011). Urban areas are expected to house 40% of India's population and contribute 75% of India's GDP by 2030. This requires comprehensive development of physical, institutional, social and economic infrastructure. All are important in improving the quality of life and attracting people and investment, setting in motion a virtuous cycle of growth and development. Development of Smart Cities is a step in that direction.

The Smart Cities Mission is an innovative and new initiative by the Government of India to drive economic growth and improve the quality of life of people by enabling local development and harnessing technology as a means to create smart outcomes for citizens.

Smart Cities focus on their most pressing needs and on the greatest opportunities to improve lives. They tap a range of approaches - digital and information technologies, urban planning best practices, public-private partnerships, and policy change - to make a difference. They always put people first.

In the approach to the Smart Cities Mission, the objective is to promote cities that provide core infrastructure and give a decent quality of life to its citizens, a clean and sustainable environment and application of 'Smart' Solutions. The focus is on sustainable and inclusive development and the idea is to look at compact areas, create a replicable model which will act like a light house to other aspiring cities. The Smart Cities Mission is meant to set examples that can be replicated both within and outside the Smart City, catalysing the creation of similar Smart Cities in various regions and parts of the country.

ASAP Faculties

- Ar. Pallavi Sharma
- Ar. R.S.Sethi
- Ar. Mustakeem
- Ar. Honey Jalali
- Ar. Rakesh Kumar

In-Chair

Dr. PB Sharma
Vice Chancellor
AUH

**Dr. Padmakali
Bannerjee**
Pro-Vice Chancellor
AUH

Overall In-charge
Dr. Seema R. Pathak
HOD, Chemistry, ASAS

Chief-Faculty
Coordinators

Dr. Mohit Soni
Dr. Anurag Sharma
Dr. M. Nidhin
Dr. Monika Vats

DRP Members

Dr. Saif Hameed
Dr. Zeeshan Fatima
Dr. Shaili Srivastava
Dr. Ranjeet Brajpuria
Dr. Vinesh

Event Coordinators

Dr. Sudip Majumder
Dr. Neeru Dabas

Advisors

Dr. SM Paul Khurana
Prof. Dr. V.K. Narang

Dr. Mahaveer
Dr. Pranali Barua
Dr. R Prasad
Dr. Priti Singh
Dr. Bhavana Adhikari
Dr. Vikas Madhukar
Dr. S K Gupta
Ms. Esha Jaini



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HARYANA

ESTABLISHED BY THE HARYANA ACT NO. 10 OF 2010 AND UGC RECOGNISED • LOCATED AT GURGAON (MANESAR)

**Directorate of Research &
Publications**

and

**Department of Chemistry,
Biochemistry &
Forensic Sciences**
ASAS

Webinar Series: The FDP Chapter
Contemporary Research Endeavors

Speaker: Prof. SM Paul Khurana,
Dean, Science Engineering & Technology

Topic: How to Learn all about Words -III
IMPROVE YOUR WORD BANK
Words, words, words.....

Venue: A-Block, Seminar Hall, second floor

Date: 10th July' 2015

Time: 3:00-4:00pm

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Manesar Gurgaon-122413
School of Applied Sciences (ASAS)
Gurgaon-122413
(INDIA)
Amity University Haryana (AUH)

Attendance Sheet of Faculty (ASAS-AUH)

Event Title: Webinar Series: The FDP Chapter
Contemporary Research Endeavors
Date: 10th July, 2015

S.No.	Participant Name	Status
1	Dr. Seema R Pathak	Present
2	Dr. M.Nidhin	Present
3	Dr. Joydeep Dutta	Present
4	Dr. Sudip Majumder	Present
5	Dr. Monika Vats	Present
6	Dr. Rakesh Kumar	Present
7	Dr. Mohit Soni	Present
8	Dr (Ms) Sungeeta Singh	Present
9	Dr. Vijay Kumar	Present
10	Dr. Sunita Kumawat	Present
11	Dr. Dimple Singh	Present
12	Dr. Amit Sharma	Present
13	Dr. Reeta Bhardwaj	Present
14	Ms. Shweta Rana	Present
15	Dr. Sarika Jain	Present
16	Dr. Sunita Daniel	Present
17	Dr. Nahid Fatima	Present
18	Dr (Ms) Sungeeta Singh	Present
19	Dr. Vijay Kumar	Present
20	Dr. Sunita Kumawat	Present
21	Dr. Subhra Das	Present
22	Dr. Ranjana Arora	Present
23	Dr. VineshAttatappa	Present
24	Dr. Raminder Gill	Present
25	Dr. Anupam Vyas	Present
26	Dr. Ayana Bhaduri	Present
27	Dr. Vikas Lahariya	Present


Dr. Seema R Pathak

Name and sign of event coordinator


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AMITY UNIVERSITY

GURGAON

ORIENTATION PROGRAMME

August 10, 2015



Dr. Rakesh Bhatnagar

Genetic Engineering and Molecular Biology Lab

School of Biotechnology

Jawaharlal Nehru University

New Delhi - 110067, India

Phone: 011 26704079, 26742040

Telefax: 01126742040

Mail: rakeshbhatnagar@jnu.ac.in

Title: Bioterrorism

Venue: A block Auditorium

All are Welcome!

ABSTRACT

The nature of bio-terrorism resulting from anthrax attack is such that an aggressor is likely to strike at a time and place calculated to induce maximum terror through mass casualties. In the absence of specific intelligence in terms of medical surveillance and integrated real-time detection systems, the unpredictable nature of such events compels the development of medical countermeasures, which will enable the authorities to treat the exposed individuals. Early treatment is essential, when the disease reaches a point at which antibiotics are no longer effective owing to the accumulation of a lethal level of toxin, even though the organism is sensitive to the agent. The currently recommended post exposure treatment is a combination of an antibiotic (ciprofloxacin) and a licensed human vaccine AVA (Highly toxic with side effects). We have PCR-cloned and over expressed the anthrax protective antigen gene. Bioprocess optimization was done to improve the yields of the genetically engineered protective antigen. The total yield of genetically engineered vaccine obtained was 25 g from a 5-liter bioreactor, which is equivalent to 1 million shots. The genetically engineered protein was found to be functionally and biologically identical to its *B. anthracis* antigen. Toxicity studies conducted on this protein indicated that the protein is devoid of any toxicity and can be safely used for the development of a safe and effective genetically engineered vaccine against anthrax. Phase II clinical trials are being done as per guidelines of Drug Controller of India and US FDA. Technology for making genetically engineered vaccine against anthrax has already been transferred to Panacea Biotech Ltd., New Delhi, a pharmaceutical company already in the business of making polio and Hepatitis B vaccine.

Mamta
Registrar
Amity University Haryana
Manesar Gurgaon-122413





AMITY UNIVERSITY

GURGAON

ORIENTATION PROGRAMME

August 10, 2015

Dr. Rakesh Bhatnagar

1. Details of Employment:

Year	Position	Institution Name
May, 2013 to May 2015	Dean	School of Biotechnology, JNU
Dec, 2012-May, 2013	Vice Chancellor	Kumaun University
1997-till date	Professor	School of Biotechnology, JNU
1993-1995, 2001-2003	Chairman	School of Biotechnology, JNU
1989-1997	Associate Professor	School of Biotechnology, JNU
1990-1993	Coordinator	Bioinformatics Centre, JNU
1987-1989	Senior NRC Associate	USAMRIID, Fredrick MD, USA
1986-1987	Visiting Associate	NHLBI, NIH, Bethesda, MD, USA
1985-1986	Visiting Assistant Professor	Biochemistry, CHU, Caen, France
1983-1985	Assistant Professor of Biochemistry	Post Graduate Institute of Med. Education & Research, Chandigarh, India
1982-1983	Pool Officer, Department of Biochemistry	V. P. Chest Institute, University of Delhi, India
1979-1982	Scientist (Wiss Angest)	Institute of, Freiburg University, Freiburg, Germany

2. Selected Professional Recognitions, Awards, and Fellowships received:

- Prof. Rakesh Bhatnagar was ranked among the top 10 (actually 7 from top) eminent researchers publishing commendable papers on anthrax. (Open source Global Anthrax Research Literature 2006)
- Fellow, Indian National Science Academy, National Academy of Sciences and Indian Academy of Sciences
- Indian Council of Medical Research (ICMR) award for outstanding research work in the field of Immunology
- All India Biotech Association Award 2001-2002, in recognition of achievements in Promotion of Biotechnology
- Haffkine Institute, Bombay, Dr. Gharpure Oration Lecture, 2002
- Invited to deliver Press Conference to announce Development of Genetically Engineered Vaccine against Anthrax with Secretary DBT, DG CSIR and Minister of Science & Technology, November 2001 and at Annual Meeting of American Society For Cell Biology, Washington D.C. December, 2001
- Institute of Pathology Silver Jubilee Oration Lecture, 1992
- John F.erty visiting Fellowship in National Institutes of Health, 1985-1986

3. Publications: Total No. of Research Publications: 134; Book chapters: 8

Rakesh Bhatnagar
 Amity University Haryana
 Manesar Gurgaon-122413



Attendance Sheet of Faculty (ASAS-AUH)

Event Title: lecture by Dr. Rakesh Bhatnagar on bioterrorism on Orientation programme

Date: 10th August, 2015

S.No.	Participant Name	Status
1	Dr. Seema PATHAK	Present
2	Dr. Mohit soni	Present
3	Ms. Sakshi Bansal	Present
4	Dr (Ms) Seema R Pathak	Present
5	Dr. M.Nidhin	Present
6	Dr. Joydeep Dutta	Present
7	Dr. Sudip Majumder	Present
8	Dr. Monika Vats	Present
9	Dr. Rakesh Kumar	Present
10	Dr. Priyanka Bolel	Present
11		
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16		

Seema Pathak

Dr. Seema PATHAK

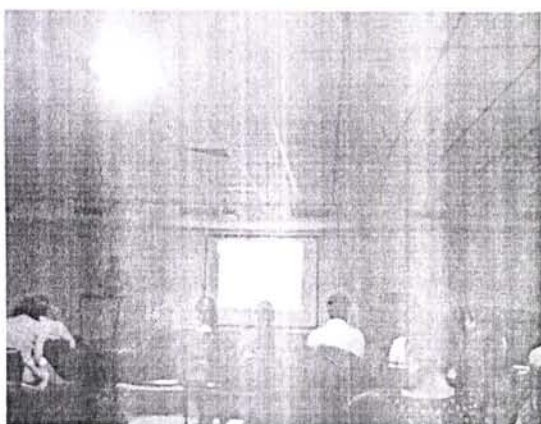
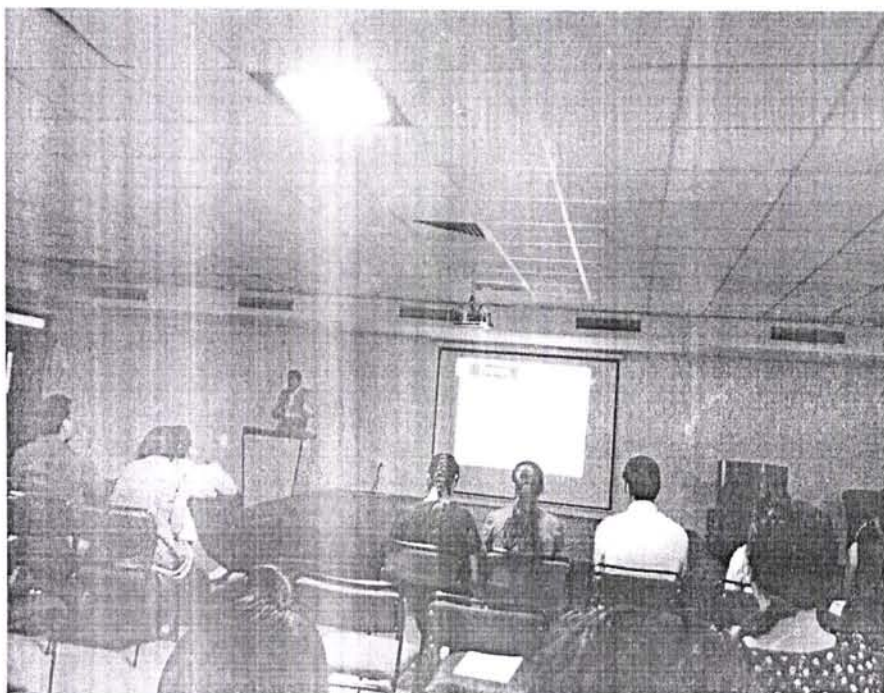
Name and sign of event coordinator

Manish
Registrar
Amity University Haryana
Manesar Gurgaon-122413



Event Report on ACS presentation on 24/09/2015

Mr. Ambarish Paralikkar , Chairman American Chemical Society India chapter delivered a presentation to the PG and UG students of Amity School of Applied Sciences, AUH . He discussed about the history, importance and present activities of ACS, he enlightened the students about the different journals and academic world of ACS. He also emphasized on the importance of the skill and personality development for each individual to become successful in career. The inaugural speech for the intriguing session was delivered by Dr.R.K.Thakur, Dy.Director, ASAS, whereas the vote of thanks was delivered by Dr. Neeru Dabas. After the session the speaker was felicitated by Prof. (Dr.) Padmakali Banerjee , Pro-vice Chancellor , AUH



Manish
Registrar
Amity University Haryana
Manesar Gurgaon-122413



Attendance Sheet of Faculty (ASAS-AUH)

Event Title: lecture by Mr. AmbarishParalikkar
Date: 24th September, 2015

S.No.	Participant Name	Status
1	Dr. Seema R Pathak	Present
2	Dr. M.Nidhin	Present
3	Dr. Joydeep Dutta	Present
4	Dr. Sudip Majumder	Present
5	Dr. Monika Vats	Present
6	Dr. Rakesh Kumar	Present
7	Dr. Mohit Soni	Present
8	Dr (Ms) Sungeeta Singh	Present
9	Dr. Vijay Kumar	Present
10	Dr. Sunita Kumawat	Present
11	Dr. Dimple Singh	Present
12	Dr. Amit Sharma	Present
13	Dr. Reeta Bhardwaj	Present
14	Ms. Shweta Rana	Present
15	Dr. Sarika Jain	Present
16	Dr. Sunita Daniel	Present
17	Dr. Nahid Fatima	Present
18	Dr (Ms) Sungeeta Singh	Present
19	Dr. Vijay Kumar	Present
20	Dr. Sunita Kumawat	Present
21	Dr. Subhra Das	Present
22	Dr. Ranjana Arora	Present
23	Dr. VineshAttatappa	Present
24	Dr. Raminder Gill	Present
25	Dr. Anupam Vyas	Present
26	Dr. Ayana Bhaduri	Present
27	Dr. Vikas Lahariya	Present


Dr. Seema R Pathak

Name and sign of event coordinator


Registrar
Amity University Haryana
Manesar Gurgaon-122413



10

Fw: Audi A Seating Plan for Lecture of Dr SS Nadadur on 27 Oct 15

Dr. Mohit Soni

Tue 27-10-2015 09:54

To: shipra rohatgi <shiprarohatgi8@gmail.com>; Ravi Rathi <rrathi@ggn.amity.edu>; manisha.mann001@gmail.com <manisha.mann001@gmail.com>; megha7walia@gmail.com <megha7walia@gmail.com>;

Cc: Dr Seema R Pathak <srpathak@ggn.amity.edu>; Dr. Ram Krishna Thakur <rkthakur@ggn.amity.edu>;

📎 1 attachment (3 MB)

Audi-A Seating Plan.docx

All coordinators are expected to take all students of their respective batches to the auditorium as per instructions given below. The seating plan is in attachment. Attendance for all faculty members and students is mandatory.

Warm Regards

Dr. Mohit Soni

Assistant Professor

Department of Chemistry (Forensic Science)

ASAS, AUH

+91-9810610760

From: Dr. Ram Krishna Thakur

Sent: Monday, October 26, 2015 5:09 PM

To: ASAS New

Cc: Maj. Gen. B.S. Suhag; Dr Rajendra Prasad

Subject: Fw: Audi A Seating Plan for Lecture of Dr SS Nadadur on 27 Oct 15

Dear All,

Please refer to trail mail.

All faculties of Chemistry/Bio-Chemistry and Forensic Science Department along with students are advised to attain the lecture in Auditorium A at 10:50 am.

Faculties of Physics and Mathematics are advised to attain the lecture if there is no scheduled lecture.

mamr



Best regards,
RK Thakur

From: Squadron Leader Sudhir Kumar Singh

Sent: 26 October 2015 13:43

To: Dr Rajendra Prasad; Dr. Vikas Madhukar; Maj. Gen (Retd.)V.K. Narang; Dr. Ram Krishna Thakur; MajGen(Dr.) Mahavir Singh; Kushagra Rajendra

Cc: vcauh@ggn.amity.edu; Maj. Gen. B.S. Suhag; Dr Padmakali Banerjee; registrarauh@ggn.amity.edu; Maj Gen G.S. Bal; Cdr Narendra K Dahiya (Retd); Harbans Singh; Srinivas Singh

Subject: Audi A Seating Plan for Lecture of Dr SS Nadadur on 27 Oct 15

Dear All,

Pls refer trailing mail.

The seating arrangement in Auditorium A for the address of Dr SS Nadadur on 27 Oct 15 is as under. Row A is reserved for the Dirs, HOIs and Guests.

	Institute	Faculty	Students
(a)	ASAS	30 (Row C & D)	100 (Rows H,I J,K)
(b)	AIB	20 (Row B)	100 (Rows L,M,N,O)
(c)	ASEES	6 (Row E)	15 (First Floor)
(d)	AMS	15(Row F)	50 (First Floor)
(e)	ASET	15 (Row E)	NIL
(f)	ABS	10 (Row D)	NIL

The seating plan of Auditorium- A is also attached for reference.
All are requested to be seated by 1050 AM.

HOIs are requested to detail 2 Faculty for controlling and seating of the students of their Institutes.

Best Regards,
Sqn Ldr SK Singh
Director (Admin)
Mob - 9910344977
Amity University Gurgaon

SK Singh



From: Maj. Gen. B.S. Suhag

Sent: Monday, October 26, 2015 12:17 PM

To: Dr Rajendra Prasad; Dr. Vikas Madhukar; Maj. Gen (Retd.)V.K. Narang; Dr. Ram Krishna Thakur; MajGen(Dr.) Mahavir Singh; Kushagra Rajendra; Squadron Leader Sudhir Kumar Singh

Cc: vcauh@ggn.amity.edu; Dr Padmakali Banerjee; registrarauh@ggn.amity.edu; 'gsbal@amity.edu'; Harbans Singh

Subject: FW: Dr Nadadur

Dear All,

Trailing mail be treated as cancelled.

Dr Nadadur, a renowned scientist, is visiting AUG on **27th October 2015** and will be addressing nominated faculty / students at 11 AM in Auditorium Academic Block – A.

2. Following will attend:-

	Institute	faculty	Students
(a)	ASAS	30	100
(b)	AIB	20	All
(c)	ASEES	All	All
(d)	AMS	15	50
(e)	ASET	15	NIL
(f)	ABS	10	NIL

HOIs are requested to ensure 100% attendance, as nominated. Names of faculty nominated to attend be forwarded to Dy VC and Registrar, by 4 PM today. Faculty nominated but not present will be marked absent for the day.

Dir Admin will ensure that Seats and rows in the Auditorium are earmarked for the above institutes, and they are informed accordingly.

5. The VC has directed that sessional examinations of the students nominated to attend the lecture, be re-scheduled.

Regards,

Gen B S Suhag (Retd)

From: Maj. Gen. B.S. Suhag

Manesar
Registrar



Sent: Monday, October 26, 2015 11:57 AM

To: Dr Rajendra Prasad; Dr. Vikas Madhukar; Maj. Gen (Retd.)V.K. Narang; Dr. Ram Krishna Thakur; MajGen(Dr.) Mahavir Singh; Kushagra Rajendra; Squadron Leader Sudhir Kumar Singh (sksingh5@amity.edu)

Cc: vcauh@ggn.amity.edu; Dr Padmakali Banerjee; registrarauh@ggn.amity.edu; 'gsbal@amity.edu'; Harbans Singh

Subject: Dr Nadadur

Dear All,

Dr Nadadur, a renowned scientist, is visiting AUG on **27th October 2015** and will be addressing nominated faculty / students at 11 AM in Auditorium Academic Block – A.

2. Following will attend:-

	Institute	faculty	Students
(a)	ASAS	30	100
(b)	AIB	20	All
(c)	ASEES	All	All
(d)	AMS	15	50
(e)	ASET	15	NIL
(f)	ABS	10	NIL

HOIs are requested to ensure 100% attendance, as nominated. Names of faculty nominated to attend be forwarded to Dy VC and Registrar, by 4 PM today. Faculty nominated but not present will be marked absent for the day.

Dir Admin will ensure that Seats and rows in the Auditorium are earmarked for the above institutes, and they are informed accordingly.

Regards,

Gen B S Suhag (Retd)

Registrar
 Registrar
 Amity University Haryana
 Manesar Gurgaon-122413



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Manesar

Registrar


Amity University, Haryana
Manesar Gurgaon-122413



Attendance Sheet of Faculty (ASAS-AUH)

Event Title: Lecture of renowned scientist Dr SS Nadadur
Date: 3-4 Nov, 2015

S.No.	Participant Name	Status
1	Dr. Dr. Subhra Das	Present
2	Dr. M.Nidhin	Present
3	Dr. Joydeep Dutta	Present
4	Dr. Sudip Majumder	Present
5	Dr. Monika Vats	Present
6	Dr. Rakesh Kumar	Present
7	Dr. Mohit Soni	Present
8	Dr (Ms) Sungeeta Singh	Present
9	Dr. Vijay Kumar	Present
10	Dr. Sunita Kumawat	Present
11	Dr. Dimple Singh	Present
12	Dr. Amit Sharma	Present
13	Dr. Reeta Bhardwaj	Present
14	Ms. Shweta Rana	Present
15	Dr. Sarika Jain	Present
16	Dr. Sunita Daniel	Present
17	Dr. Nahid Fatima	Present
18	Dr (Ms) Sungeeta Singh	Present
19	Dr. Vijay Kumar	Present
20	Dr. Sunita Kumawat	Present
21	Dr. Subhra Das	Present
22	Dr. Ranjana Arora	Present
23	Dr. VineshAttatappa	Present
24	Dr. Raminder Gill	Present
25	Dr. Anupam Vyas	Present


Dr. Subhra Das

Name and sign of event coordinator


Registrar
Amity University Haryana
Manesar Gurgaon-122413



Workshop on Solar PV Power Plant

Organized by

Amity University Haryana in collaboration with Global Sustainable Energy Solutions (GSES)

3-4th Nov 2015

Venue: MDP Room, A Block

Solar Energy Department, Amity School of Applied Sciences along with Amity Skills Institute organized a workshop on **"Design & Installation of Solar PV power plant"** by Dr. Dwipen Boruah, an expert in the area and CEO of GSES.

The workshop was scheduled for 3rd-4th November between 1000h to 1630h. The Skill and employability training was conducted for UG & PG students- B Tech ECE, ME and MSc Applied Physics.

The objective of the workshop was to provide students with the added knowledge of Solar PV installation which will add to their future career prospects. The programme covered Design of SPV Grid Integrated Power Plant, Off-Grid Power Plant, Hybrid Power Plant; Use of PVSOL/ PVsyst software for energy yield assessment and 3D modeling; among other relevant areas.

Program Coordinator: Dr Subhra Das, HoD Solar Department, ASAS

Ms. Reena Nigam, HoD, Amity Skills Institute

Faculty Coordinator- Dr Ranjana Arora, Ms Sakshi Bansal, Solar Dept. ASAS

Number of Participants- 38

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Amity University Haryana
Manesar Gurgaon-122413

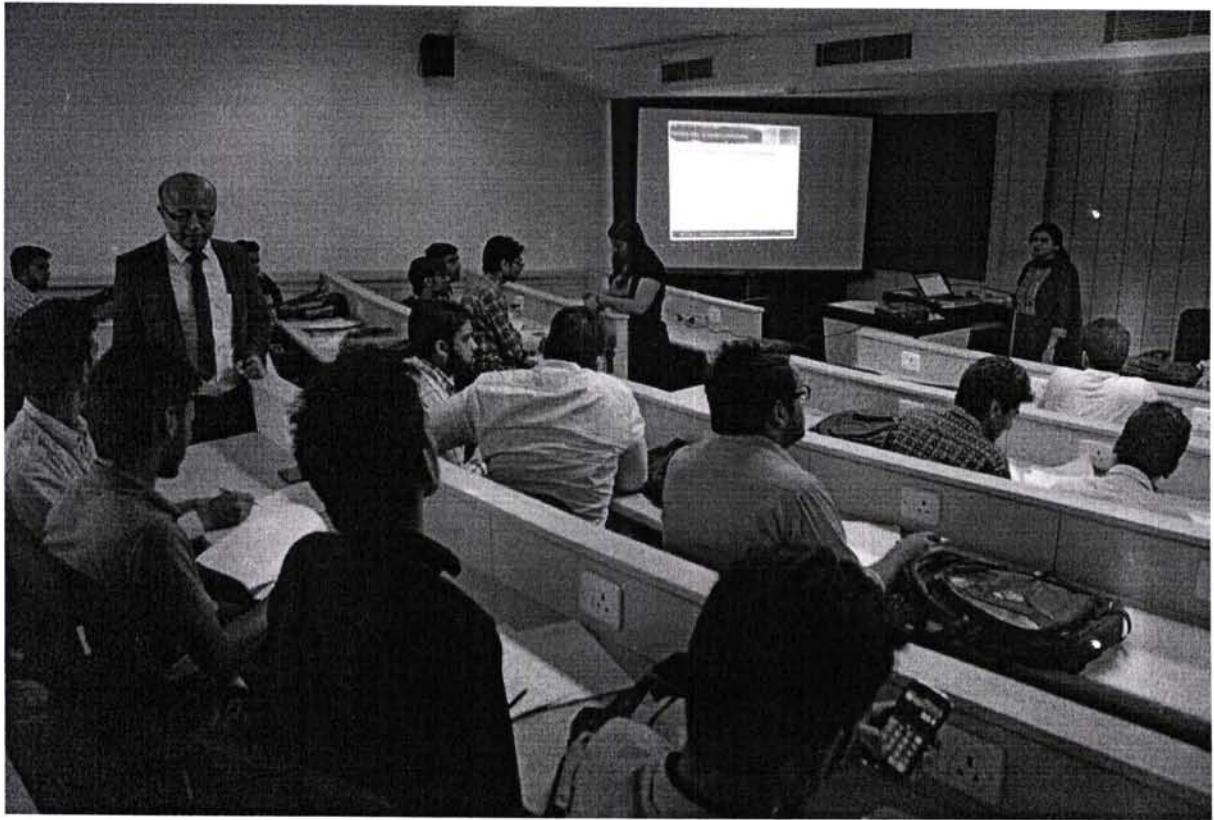




Mr Diwpen Barua, CEO, GSES with Dr Subhra Das, Ms Reena Nigam and Ms Sakshi Bansal

Sakshi Bansal
Registrar
Amity University Haryana
Manesar Gurgaon-122413





Mr Barua during the training session

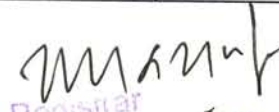
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Registrar
Amity University Haryana
Manesar Gurgaon-122413

ATTENDANCE LIST OF ASAS AND ABS

S. No.	NAME	COURSE	SEMESTER	3 rd NOV		4 th NOV	
				Morning	Afternoon	Morning	Afternoon
1	Amit Jha	M.Tech (SAE)	3rd	P	P	P	P
2	Alok Kumar	M.Tech (SAE)	3rd	P	P	P	P
3	Manish	BSc (H) Maths	1st	Ab	Ab	P	P
4	Nitin	BSc (H) Phy	1st	P	P	P	P
5	Nikhil	BSc (H) Phy	1st	P	P	P	P
6	Rachana	BSc (H) Phy	1st	P	P	P	P
7	Sajal	BSc (H) Phy	1st	P	P	P	P
8	Vinit	BSc (H) Phy	1st	P	P	P	P
9	Naveen	BSc (H) Phy	1st	P	P	P	P
10	Anand	BSc (H) Phy	1st	P	P	P	P
11	Deepak	BSc (H) Phy	1st	P	P	P	P
12	Abhishek	BSc (H) Phy	1st	P	P	Ab	Ab
13	Shivanshu	BSc (H) Phy	3rd	P	P	P	P
14	Varun	B.Tech+M.Tech Nano	1st	P	Ab	Ab	P
15	Aayush	BBA	5th	Ab	Ab	Ab	P

ATTENDANCE LIST OF ASET

S. No.	NAME	COURSE	SEMESTER	3 rd NOV		4 th NOV	
				Morning	Afternoon	Morning	Afternoon
1	Pankaj Yadav	B.Tech (MAE)	3rd	P	P	P	P
2	Ritesh	B.Tech (MAE)	3rd	P	P	P	P
3	Anubhav Chauhan	B.Tech (MAE)	3rd	P	P	P	P
4	Amit Yadav	B.Tech (MAE)	3rd	P	P	P	P
5	Vinay	B.Tech (MAE)	3rd	P	P	P	P
6	Hitesh Mudgil	B.Tech (MAE)	3rd	P	P	P	P
7	Sachin Sharma	B.Tech (MAE)	3rd	P	P	P	P


 Registrar
 Amity University Haryana
 Manesar Gurgaon-122413



8	Lokesh Yadav	B.Tech (MAE)	3rd	P	P	P	P
9	Praveen Kumar	B.Tech (MAE)	3rd	P	P	P	P
10	Rachit Dhariwal	B.Tech (MAE)	3rd	P	P	P	P
11	Nitish Kumar	B.Tech (MAE)	3rd	P	P	P	P
12	Sunil Kumar	B.Tech (MAE)	3rd	P	P	P	P
13	Pankaj Yadav	B.Tech (MAE)	3rd	P	P	P	P
14	Ajay	B.Tech (MAE)	3rd	P	P	P	P
15	Paarth Thakur	B.Tech (MAE)	3rd	P	P	P	P
16	Somanshu Sharma	B.Tech (MAE)	3rd	P	P	P	P
17	Rajkumar	B.Tech (MAE)	3rd	P	P	P	P
18	Aditya Garsa	B.Tech (MAE)	7th	P	P	Ab	Ab
19	Himanshu Kumar	B.Tech (MAE)	7th	P	P	Ab	Ab
20	Ravi Kumar	B.Tech (MAE)	7th	P	P	P	P
21	Sachin Yadav	B.Tech (MAE)	7th	P	P	P	P
22	Shekhar Kumar	B.Tech (MAE)	7th	P	P	P	P
23	Rishabh Goel	B.Tech (MAE)	7th	P	P	P	P

Amity University
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12

RAY OPTICS WORKSHOP

On 19th November, 2015

Co-Organized by:

Dept. of Physics, ASAS

Dept. of Optometry and Vision Science, AMS

Venue: Academic Block-A Seminar Hall

09:00 – 09:15 am	Registration
9:15 am – 9:30 am	Pre-assessment
9:30 am – 10:10 am	Introduction to Light & Optics – Dr. Shashikant Gupta (ASAS)
10:15 am – 10:55 am	Mirrors – Mr. Anupam Vyas (ASAS)
11:00 am – 11:10 am	Tea Break
11:15 am – 11:55 am	Lenses – Dr. Chandra Shekar (ASAS)
12:00 pm – 12:40 pm	Prism & Dispersion – Dr. Ankush Vij (ASAS)
12:45 pm – 1:15 pm	Lunch Break
1:45 pm – 2:00 pm	Power Specification & Sign Convention – Mr. Phani Krishna (DOVS, AMS)
2:10 pm – 2:50 pm	Eye as an Optical System – Mr. Santanu Jana (DOVS, AMS)
2:55 pm – 3:15 pm	Tea Break
3:15 pm – 3:40 pm	Post Assessment
3:45 pm – 4:15 pm	Distribution of Certificates and Vote of Thanks

Organizing committee:

- Dr. J. K. Thakur
- Dr. Shashikant Gupta
- Dr. Ankush Vij
- Ms. Gitanjali Ashta
- Mr. Phani Krishna
- Mr. Santanu Jana

[Signature]
Registrar
Amity University Haryana
Manesar Gurgaon-122413



Attendance Sheet of Faculty (ASAS-AUH)

Event Title: Ray OPTICS WORKSHOP
Date: 19thNov, 2015

S.No.	Participant Name	Status
1	Dr. VineshAttatappa	Present
2	Dr. Raminder Gill	Present
3	Dr. Anupam Vyas	Present
4	Dr. Supreet	Present
5	Dr.Chandershekhar	Present
6	Dr.Gagan Dixit	Present
7	Dr.Shahikant	Present
8	Dr. R K Thakur	Present
9		
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16		



Dr. Shashikant

Name and sign of event coordinator


Registrar
Amity University Haryana
Manesar Gurgaon-122413



Expert Talk-27th November 2015

(13)

Dr. Mohit Soni

Thu 26-11-2015 14:33

To: Dr. Ram Krishna Thakur <rkthakur@ggn.amity.edu>;

Cc: Nayan Kumar Sinha <nksinha@ggn.amity.edu>; Bhavana Adhikari <badhikari@ggn.amity.edu>; Dr Rajendra Prasad <rprasad@ggn.amity.edu>; Dr Padmakali Banerjee <padmakali@ggn.amity.edu>; vcauh@ggn.amity.edu <vcauh@ggn.amity.edu>;

1 attachment (89 KB)

Dr:AK Jaiswal.docx

Dear Sir

This is to inform you about a talk to be conducted by **Dr. AK Jaiswal, Chemist, Department of Toxicology and Forensic Medicine, All India Institute of Medical Sciences, New Delhi** (profile in attachment) **on the 27th of November' 2015 from 2:30 to 4:30pm.**

Dr. Jaiswal, an imminent Chemist, would be interacting exclusively with the faculty members and students of Forensic Science (B.Sc. and M.Sc.) and would be talking on the topic "**Spectroscopy in Forensic Science.**" Details of the event are as below:

1. Date: November 27th' 2015
2. Venue: D 309
3. Topic: "Spectroscopy in Forensic Science"
4. Time: 02:30-04:30 pm

Warm Regards

Dr. Mohit Soni

Assistant Professor

Forensic Science

ASAS, AUH

+91-9810610760



Mohit Soni
Registrar

Attendance Sheet of Faculty (ASAS-AUH)

Event Title: Spectroscopy in Forensic by Dr. AK Jaiswa
Date: 27th Nov, 2015

S.No.	Participant Name	Status
1	Dr (Ms) Seema R Pathak	Present
2	Dr. M.Nidhin	Present
3	Dr. Joydeep Dutta	Present
4	Dr. Sudip Majumder	Present
5	Dr. Monika Vats	Present
6	Dr. Rakesh Kumar	Present
7	Dr. Priyanka Bolel	Present
8	Dr. Mohit Soni	Present
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Mohit Soni

Dr. Mohit Soni

Name and sign of event coordinator

Mamuk
Registrar
Amity University Haryana
Manesar Gurgaon-122413



Konark Training Program

Amity University Haryana (Centre Code- 03)

Batch 1

te of commencement- 1st Sept. 2015

The National Institute of Solar Energy (NISE) has established Solar Energy Training Network (SETNET) to build skills and capacities to ensure the availability of qualified solar energy professionals to meet the national solar deployment targets. SETNET is developed in collaboration with the United States Agency for International Development (USAID) under the US- India Partnership to Advance Clean Energy Deployment Technical Assistance Program (PACE- D TA Program). The National Institute of Solar Energy and Amity University Gurgaon had signed partnership certificate towards sustaining SETNET to facilitate the achievement of National Solar Deployment targets.

Amity University Haryana has been identified as Solar Energy Training Network Partner (SETNET) by National Institute of Solar Energy (MNRE) to conduct various SETNET Skill development programs.

At Amity University Haryana we conducted SETNET Training Program from Sept 2015. Details of the program is as follows:

NISE certified Skill Development Course

- **Konark Program** - includes designing, installation, operation and maintenance of a complete Solar Power Plant.
Eligibility: Graduate engineers/ final year B Tech students of ECE, EEE, ME.
Duration- 120 hours (15days)

Program Coordinator: Dr Subhra Das, HoD Solar Department, ASAS
Ms. Reena Nigam, HoD, Amity Skills Institute

Faculty Coordinator- Dr Ranjana Arora, Ms Sakshi Bansal, Solar Dept. ASAS

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Amity University Haryana
Manesar Gurgaon-122413



Students Details

Students Enrolled for Konark Training Program as on date- 8th September 2015

S. No.	Name	Program	Program, semester, section	Cheque No.	Bank/Branch	Amount
1	Shekhar Kumar	B Tech MAE	Sec B, 7 th sem	000051	HDFC	5000
2	Sachin Yadav	B Tech MAE	Sec B, 7 th sem	000050	HDFC	5000
3	RishabhGoel	B Tech MAE	Sec B, 7 th sem	000047	HDFC	5000
4	Ravi Kumar	B Tech MAE	Sec B, 7 th sem	189057	Gurgaon Gramin Bank	5000
					Total	20,000

Program Schedule

Dates - September 1,2015 to December 10,2015

S.No.	Module	Faculty Assigned	Contact Hours
1.	Solar Energy Concepts	Ms. Ranjana Arora	10hrs
2.	Solar Photovoltaics	Ms. Ranjana Arora	20hrs
3.	Site survey for Solar PV installation	Dr.Subhra Das	20hrs
4.	Solar Photovoltaic power plant	Ms. Ranjana Arora	20hrs
5.	Net metering and maintenance	Ms. Ranjana Arora	20hrs
6.	Project management and Entrepreneurship skill	Ms. Reena Nigam	15hrs
7.	Evaluation and Industrial Visits	Dr.Subhra Das, Ranjana Arora	15hrs
Timings of classes			
1. Monday- 02:55 pm - 03:50 pm			
2. Wednesday- 12:15 pm - 01:10 pm			
3. Thursday- 02:00 pm - 02:55 pm, 02:55 pm - 03:50 pm, 03:50pm - 04:45 pm			
4. Friday-9.30AM-11.20AM(2 classes)			
5. Saturday-Industrial visits			


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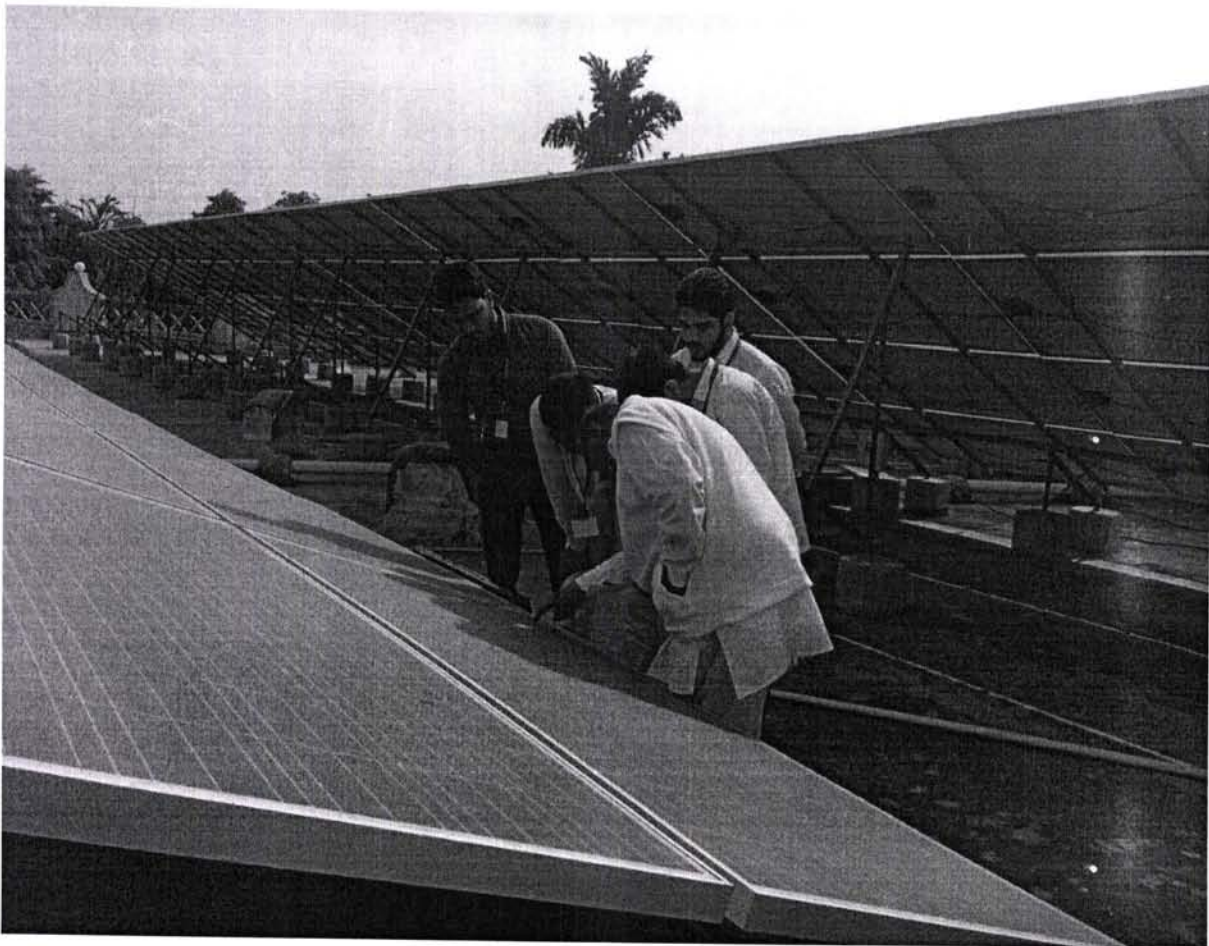
AMITY UNIVERSITY HARYANA
Amity School of Engineering & Technology
Time Table (Odd Semester, 2015-16)

w.e.f.- 12/08/2015

B.TECH (MAE) VII B

Day	1 9:10 - 10:05	2 10:05 - 11:00	3 11:00 - 11:55	4 11:55 - 12:50	LUNCH 12:50 - 13:45	5 13:45 - 14:40	6 14:40 - 15:35	7 15:35 - 16:30
Mo	CC		Automotive Lab (C-4G-02) CE LAB (AUTO. ENGG.)		LUNCH	MCHTR.	SS	OE
Tu	CAM	MS	CE	FL		RM	OE	OE
We	ES	CE	MCHTR.	SS		SS	OE	OE
Th	CE LAB	SSH / LMG / PT / RAV	MCHTR.	FL		SS	SS	SS
Fr	SS	SS	CAM	CAM		SS	SS	CE

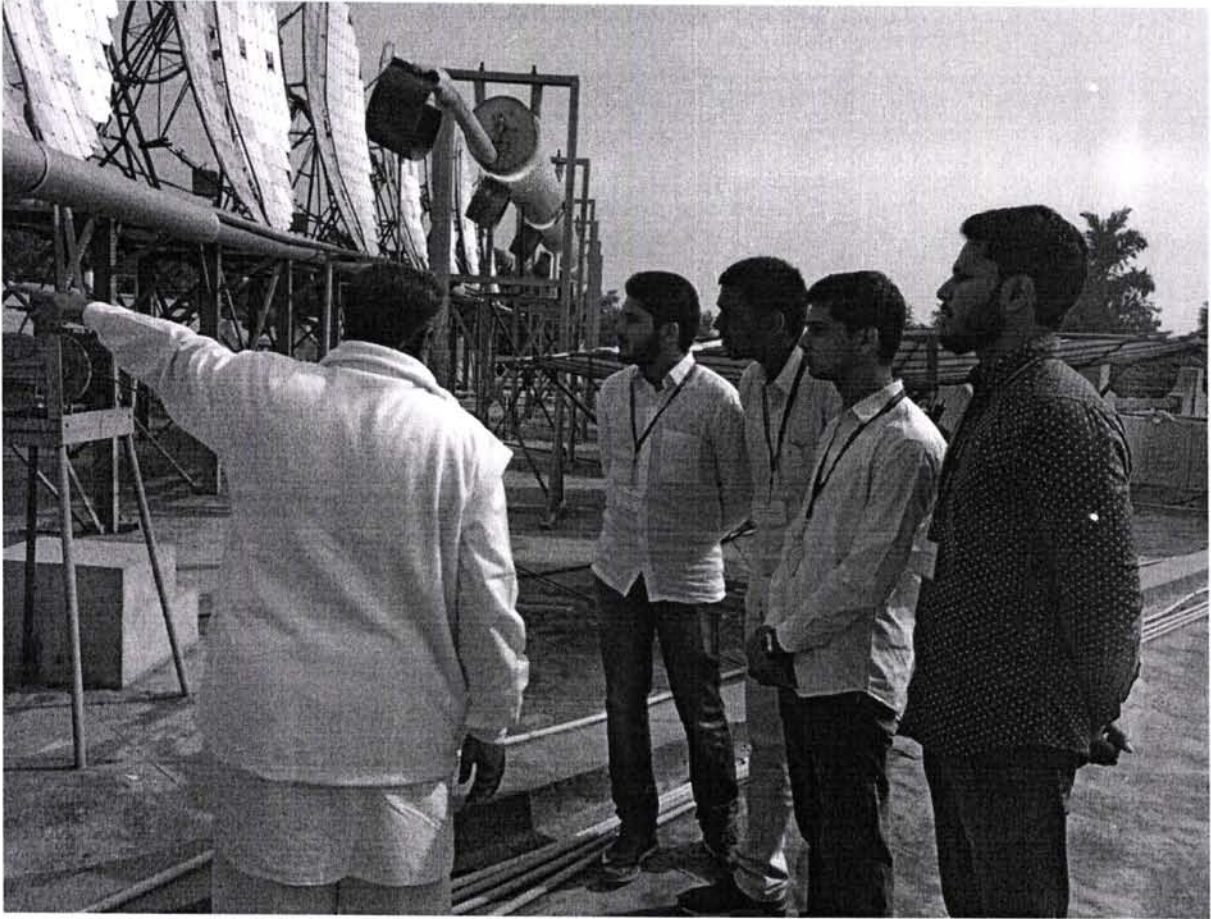
Classes are held during Self Study Period in Solar Lab A 419



Field visit at Om Shanti Retreat


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Field visit at Om Shanti Retreat

Industrial Training

Mysank
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M. Manoj
Registrar
Amity University Haryana
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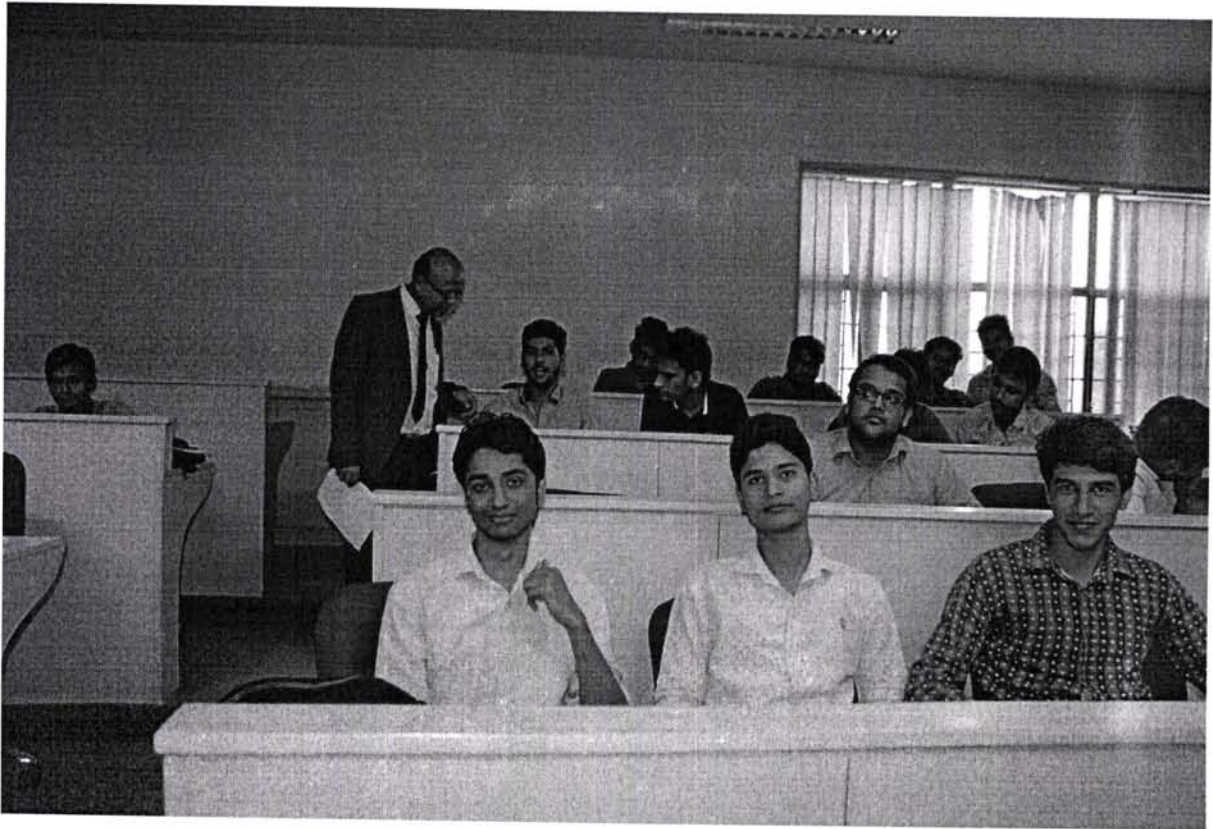
Photographs



Mr Dipen Barua interacting with students of Konark Program

M. Barua
Registrar
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Mr Dipen Barua interacting with students of Konark Program

M. Barua
Registrar
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Attendance Sheet of Faculty (ASAS-AUH)

Event Title: Konark Training Program in collaboration of National Institute of Solar Energy (MNRE)

Date: 1st Sept 2015

S.No.	Participant Name	Status
1	Dr. Shubhra Das	Present
2	Ms. Ranjana	Present
3	Ms. Sakshi Bansal	Present
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		

S. Das

Dr. Shubhra Das

Name and sign of event coordinator

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Report

Seminar on 'Sustainable Plastic Packaging'

A distinguished lecture was organized by the ASAS (Toll) of Amity University Haryana on 21st January 2016 in seminar hall, A-block. The guest Speaker was Dr. U.K. Saroop, Vice President of Prayag Polymer Pvt. Ltd. The event was attended by Hon'ble Vice Chancellor Prof (Dr.) Padmakali Banerjee, Prof (Dr.) R.K. Thakur, Deputy Director ASAS and Chiefly Coordinated by A.P. Gupta, HOD Centre for Polymer Technology. Welcome note was given by Prof (Dr.) R.K.Thakur. The hon'bl vice chancellor and the hon'bl Pro-vice chancellor also addressed the audience and welcomed Dr. U.K. Saroop. Dr. Saroop shared his view on sustainable plastic packaging and explained how recycling of plastic is beneficial for us. A Vote of thanks was given by Prof (Dr.) A.P. Gupta.

A Small interaction Session was also arranged in which all faculty member could interact with Dr. Saroop & know more about the world of Polymer Technology & its various applications.


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Attendance Sheet of Faculty (ASAS-AUH)

Event Title: Sustainable Plastic Packaging
Date: 21stJan 2016

S.No.	Participant Name	Status
1	Dr. Shubhra Das	Present
2	Ms. Ranjana	Present
3	Ms. Sakshi Bansal	Present
4	Dr (Ms) Seema R Pathak	Present
5	Dr. M.Nidhin	Present
6	Dr. Joydeep Dutta	Present
7	Dr. Sudip Majumder	Present
8	Dr. Monika Vats	Present
9	Dr. Rakesh Kumar	Present
10	Dr. Priyanka Bolel	Present
11	Dr. Anurag Sharma	Present
12	Dr. A P Gupta	Present
13		
14		
15		
16		

Dr.A R Gupta

Name and sign of event coordinator


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Expert Talk Series (2nd Lecture)**Outcome Committee Report-2**

(Distinguished Lecture by Prof (Dr.) Talat Ahmad, Hon'ble VC JMI, New Delhi)

Organizer: **Amity School of Applied Sciences (ASAS)**, AUH, Panchgaon.

Date: Tue, 16 Feb, 2016, Venue: A-Block Auditorium

Chairperson

Dr.rer.nat. Ram-Krishna Thakur
Hol, ASAS

Members

1. Prof Dr Anek Pal Gupta
HoD, Centre for Polymer Technology

2. **Dr Mohit Soni**

Coordinator, Asst Prof, Forensic

Sciences

Aim of Expert Talk: *An initiative has been taken by Dr R. K Thakur, Dy Director, ASAS to organize Expert Talk of eminent Scientist of national and international reput on regular basis. It provides a platform not only to students but also to faculties to interact with eminent scientist in various fields and get a deep insight into various career options (in research and in industry) available to them especially in Applied Sciences & Technology. The session inspires students to innovate and think for solution to existing and future problems, develops confidence to decide future academic career. Overall helps them to know 'Science & Technology' in a better way as well as to develop scientific aptitude.*

Under the series of Expert Talk, a distinguished lecture by Prof. (Dr.) Talat Ahmad, Hon'ble vice-chancellor of Jamia Millia Islamia was organized on 16th Feb 2016 by Amity School of Applied Sciences. The event took place in A-Block Auditorium. The event was graced by the presence of several dignitaries namely, Prof. (Dr.) P.B. Sharma, Hon'ble Vice Chancellor of Amity University Haryana, Prof. (Dr.) Padmakali Banerjee, Hon'ble Pro-vice Chancellor. Prof. (Dr.) R.K. Thakur, Dy. Director of ASAS, Prof. (Dr.) A.P. Gupta, HoD, Centre of Polymer Technology, Maj. Gen. B.S.. Suhag, Deputy Vice Chancellor, Prof. (Dr.) Rajendra Prasad, Director, Amity Institute of Biotechnology, Maj Gen V K Narange, Director, ASET, and Prof. (Dr.) P.C.S. Devara, of the Amity COAST. The welcome address was given by Prof. (Dr.) R.K. Thakur. Prof. (Dr) Padmakali Banerjee has delivered a welcome note and Prof. (Dr.) P.B. Sharma ji presented his words of wisdom. Felicitation of Prof. (Dr.) Talat Ahmad was done by the hon'ble VC and PVC.

After that Hon'ble chief guest Prof. (Dr.) Ahmad presented a lecture on '**The Climate Change and Rise of Himalayas**'. An approximate of 400 students of different institutes namely ASAS, ASET, ASEES, ACOAST and AIB-attended the lecture. Students and faculties are mesmerized by the lecture. The lecture was very much intriguing and informative and almost every body


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participated in it with great enthusiasm. An audience interaction session was organized afterwards. All students and faculty members, found the same to be extremely fruitful. A vote of thanks was given by Prof. (Dr) A.P. Gupta to round up the event.

In reiteration, below are the objective outcomes of this lecture:

- (a) **Prof Dr Ahmad offered collaboration with following departments of AUH; (I) Applied Physics, (II) NanoTechnology, (III) Bio-Chemistry, (IV) Materials Science, (V) Bio-Technology (AIB).** Such an understanding would enable our Master and PhD research scholars and faculty members to conduct advanced research, unfettered by provisional limitations. Extended discussions for future collaborations between the two Universities were conducted and understandings were reached for infrastructure and personnel sharing as well. **(Follow up by Dr RK Thakur & Dr AP Gupta-shall submit concrete proposal for collaboration with JMI and also evolve a Joint R&D Proposal for funding by 04 April, 2016)**
- (b) Students were given an opportunity to attend a very fruitful lecture by a scientist of international repute. Prof. Ahmad, in spite of being a Geologist, presented a very inclusive talk accommodating sensibilities of various disciplines. This enabled an overwhelming participation by students & faculties. **(Dr RK Thakur shall motivate students to take up project/ case study on Melting of Glaciers as part of BSc and MSc projects this semester)**
- (c) Faculty members and students, especially from schools like ASAS, ASEES, ACOAST and ASET benefitted greatly from the point of view of research and industrial job. **(Dr Kushagra shall evolve proposals for funding on Himalayan Studies and Climate Change jointly with ASAS and JMI)**
- (d) AUH warmly welcomed Prof. Dr. Ahmad, Hon'ble Vice Chancellor , JMI, a Central University. It was a matter of great honor to host Prof. Dr. Ahmad

It is 2nd talk of this series. Prof. Dr. A. P. Gupta is contact person, and responsible for both (Talk1&2) nice and wonderful expert talks. Thank you Dr Gupta! Thank you to all administrative staffs, Sqd Ldr S K Singh ji, Col Harbansh Singh ji, ASAS faculty members and organizing committee members. Few pictures of the event are enclosed in next page.

Thanking you for all your kind support!

Best regards,

Ram-Krishna Thakur (**Chairperson, Outcome Committee**)

Hol / Dy Director, ASAS

Organizing members (ASAS) for this talk

1. Dr Mohit Soni, Coordinator, Assistant Professor, Forensic Sciences
2. Dr Vinesh Attatappa, Assistant Professor, Applied Physics

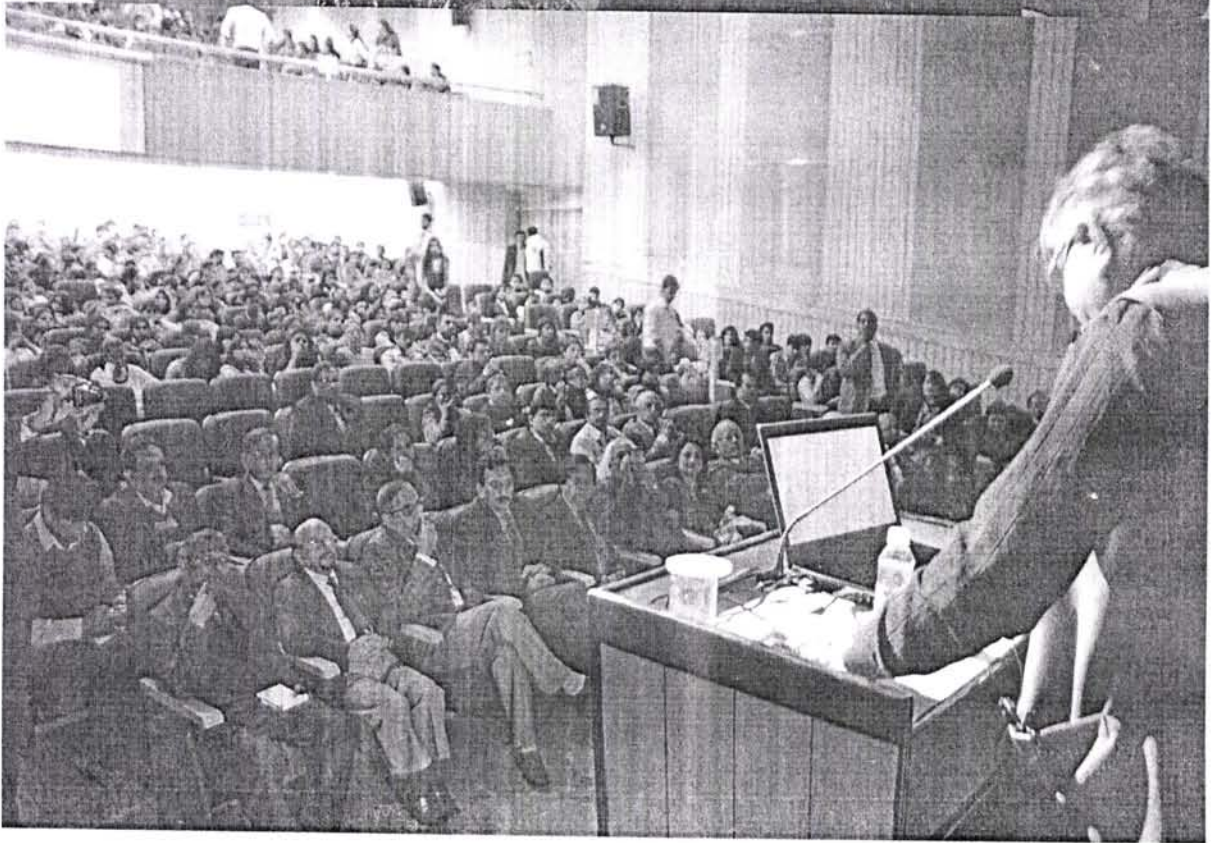

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3. Dr Nahid Fatima, Assistant Professor, Applied Mathematics
4. Mr Rakesh Kumar, Teaching Associate, Applied Chemistry

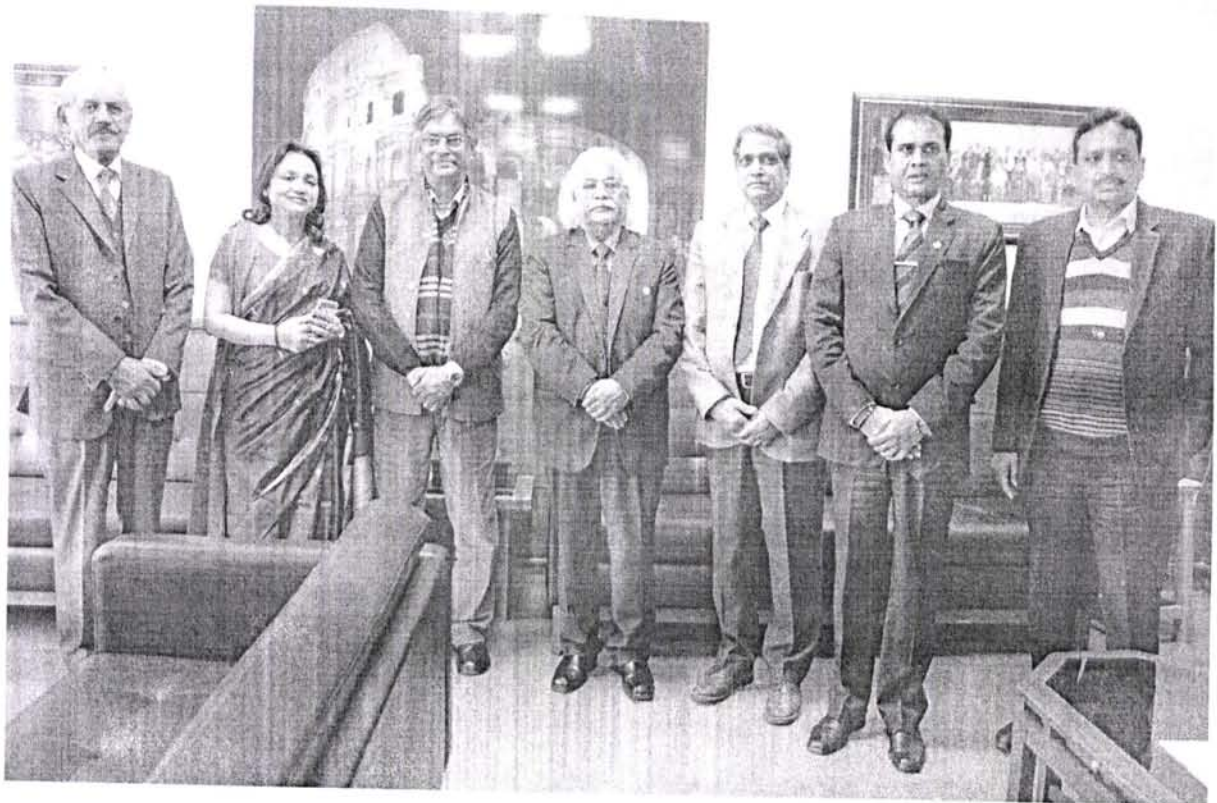

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Mamul
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M. K. Singh
Registrar
Amity University Haryana
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Attendance Sheet of Faculty (ASAS-AUH)

Event Title: Lecture by Prof (Dr.) Talat Ahmad, Hon'ble VC JMI, New Delhi
on 'The Climate Change and Rise of Himalayas
Date: 16thFeb2016

S.No.	Participant Name	Status
1	Dr. Shubhra Das	Present
2	Ms. Ranjana	Present
3	Ms. Sakshi Bansal	Present
4	Dr (Ms) Seema R Pathak	Present
5	Dr. M.Nidhin	Present
6	Dr. Joydeep Dutta	Present
7	Dr. Sudip Majumder	Present
8	Dr. Monika Vats	Present
9	Dr. Rakesh Kumar	Present
10	Dr. Priyanka Bolel	Present
11	Dr. Anurag Sharma	Present
12	Dr. A P Gupta	Present
13	Dr. RK Thakur	Present
14	Dr. Raminder Gill	Present
15	Dr. Anupam Vyas	Present
16	Dr. Ayana Bhaduri	Present
17	Dr. Vikas Lahariya	Present
18	Dr. Chander Shekhar	Present
19	Dr. Supreet	Present
20	Dr. Sunita Negi	Present
21	Dr. Ankush Vij	Present

Dr.A P Gupta

Name and sign of event coordinator


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Outcome Committee Report

Celebration of National Science Day (28th Feb, 2016) & 4th Anniversary of Amity School of Applied Sciences (ASAS)

Lecture by Prof. (Dr.) Rajendra Prasad, Director, AIB, AUH on
“Multi Drug Resistance; from Microbes to Men”

Organizer: **Amity School of Applied Sciences (ASAS)**, AUG, Panchgaon.
 Date: Monday, 29 Feb 2016, Venue: Auditorium A Block

Chairperson

Dr.rer.nat. Ram-Krishna Thakur
 HoI, ASAS

Members

1. Dr. Mohit Soni
 Coordinator, Forensic Sciences.
2. Dr. Vijay kumar,
 Assistant Professor, Mathematics
3. Dr. Chander Shekhar,
 Assistant Professor, Physics.
4. Mr. Rakesh Kumar,
 Teaching Associate, Chemistry.

The “National science day” and the “ASAS foundation day” was celebrated at Amity University, Gurgaon on 29th February 2016 from 2:00 PM to 5:00 PM in A-block auditorium. The program wise outcomes of the celebrations are as follows:

The program started with the arrival of Prof (Dr.) P.B Sharma, Hon’ble Vice Chancellor, AUG; Prof. (Dr.) Padmakali Banerjee, , Hon’ble Pro-Vice Chancellor, AUG; Prof. (Dr.) Rajendra Prasad, Director, AIB; Prof. (Dr.) R. K. Thakur, Dy.

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Director, ASAS; Dr. S. M. Paul Khurana, Professor, AIB; Maj. Gen (Retd.) V.K. Narang, Director, ASET, Prof. (Dr.) A.P. Gupta, HoD, Centre of Polymer Tech., AUG.

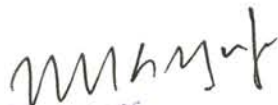
After the formal floral welcome to the dignitaries, the program started with the ceremonial lighting of the lamp. The students presented a play based on the Ganesh Vandana. The short performance was appreciated by all.

The welcome address was thereafter presented Dr. R. K Thakur, HOI, ASAS to the august gathering on this auspicious day. Dr. Thakur discussed the achievements of the school and recent initiatives undertaken under his leadership.

The welcome address was followed by brief remark by Prof. (Dr.) Padmakali Banerjee, Hon'ble Pro-Vice Chancellor, AUG. Prof. (Dr.) Padmakali Banerjee emphasized on to the need to take the science from the lab to the society and called upon the young minds to connect the science to the society to make a positive contribution.

Prof (Dr.) P.B Sharma, Hon'ble Vice Chancellor, AUG, then shared the words of wisdom igniting the young minds with a verse from the "Rigveda" emphasizing the continued importance of science from the ancient times to the modern age. Prof (Dr.) P.B Sharma stressed upon the utilization of science in solving the problems of the society and application of the scientific endeavors to create jobs. Hon'ble Vice Chancellor stressed upon the five points namely 1) Health 2) Cleaning the rivers 3) energy security 4) conversation of the garage to the useful products 5) effective traffic management for the greener future for the coming generations.

The first technical talk of the day was presented by Prof. (Dr.) Rajendra Prasad, Director AIB, AUH on "Multi drug resistance (MDR) from Microbes to men". The thought provoking presentation introduced the gathering to the area of multi drug


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resistance and warned the audience against the indiscriminate consumption of the antibiotics to prevent the development of MDR in humans. Prof. (Dr.) Rajendra Prasad discussed about the implication of multidrug resistance.

The talk on MDR is followed by the talk on "Innovative polymeric Materials: fibres" by Prof. (Dr.) A. P. Gupta HOD, Centre of Polymer Technology AUH. Prof. Gupta discussed various types of polymers and their applications in the different applications.

The beautiful song "Betiyaan" sung beautifully by students was presented after the second and final technical talk of the day. The song filled with the pride and the pain of being a daughter moved the gathering. The Science quiz took the centre stage after that with total four teams taking part. The quiz had three rounds comprising multiple choice questions in the first round, Noble round and finally the rapid fire round. Team A was declared as winner after the tiebreaker round. A beautiful dance and skit based on the menace of untouchability and importance of blood donation was presented by the students between the successive rounds of the quiz respectively.

Finally the prize distribution to the winning teams was presented by the dignitaries presented at the dais.

Concluding the National Science Day celebrations, Dr. R. K. Thakur presented the vote of thanks acknowledge the contributions made by Faculty, staff and students in organizing National Science Day celebrations and the gathering dispersed in the evening.


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Attendance Sheet of Faculty (ASAS-AUH)

Event Title: National Science Day
Date: 29thFeb2016

S.No.	Participant Name	Status
1	Dr. Shubhra Das	Present
2	Ms. Ranjana	Present
3	Ms. Sakshi Bansal	Present
4	Dr (Ms) Seema R Pathak	Present
5	Dr. M.Nidhin	Present
6	Dr. Joydeep Dutta	Present
7	Dr. Sudip Majumder	Present
8	Dr. Monika Vats	Present
9	Dr. Rakesh Kumar	Present
10	Dr. Priyanka Bolel	Present
11	Dr. Anurag Sharma	Present
12	Dr. A P Gupta	Present
13	Dr. RK Thakur	Present
14	Dr. Raminder Gill	Present
15	Dr. Anupam Vyas	Present
16	Dr. Ayana Bhaduri	Present
17	Dr. Vikas Lahariya	Present
18	Dr. Chander Shekhar	Present
19	Dr. Supreet	Present
20	Dr. Sunita Negi	Present
21	Dr. Ankush Vij	Present



Dr.R K Thakur

Name and sign of event coordinator


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Outcome Committee Report

Interaction visit by **Prof. (Dr.) Veena Chaudhary** from Centre for Polymer Science and Engineering, **Indian Institute of Technology (IIT), Delhi**

Organizer: **Amity School of Applied Sciences (ASAS)**, AUG, Panchgaon.
Date: Friday, **04 March 2016**, Venue: ASAS Seminar room.

Chairperson

Dr.rer.nat. Ram-Krishna Thakur
HoI, ASAS

Members

I.Dr. Chander Shekhar
Assistant Professor, Physics.

Prof. (Dr.) Veena Chaudhary from Centre for Polymer Science and Engineering, Indian Institute of Technology, Delhi visited Amity University Haryana on March 04 2016. The visit started with the interaction with Honorable Vice Chancellor AUH, Prof. (Dr.) P. B. Sharma on different areas of possible collaboration between Amity University Haryana and Centre for Polymer Science and Engineering, IIT, Delhi.

Subsequently in the faculty interaction session, faculty members from Amity School of Applied Sciences (ASAS) working in the area of Material Science and Engineering & Polymer Science had interaction with Prof.(Dr.) Veena Chaudhary on various areas of their mutual interest. Dr. R. K. Thakur, HoI, ASAS; Dr. Ankush Viji, Dr. Sunita Negi and Dr. Chander Shekhar and other faculty members were present in the interaction session.

Following the interaction session, Prof.(Dr.) Veena Chaudhary presented a talk on Polymers and their Applications. Prof.(Dr.) Veena Chaudhary gave insights to the different type of polymers being used in various areas and emphasized the remarkable difference the polymers have made to the human civilization. Use of the polymers in aerospace, defense, automotive, packaging, Medical instruments, Household applications among others were discussed. The deliberations were also held on the down side of the inexpensive, easily available and improper disposal practices of the polythene bags as environmental hazard in India. The latest developments in the manufacturing of the polymer based products including 3D printing and implication of these technologies were discussed in the talk.

Approximately 50 Faculty members and students attended the talk and had fruitful interaction with Prof. (Dr.) Veena Chaudhary.


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Attendance Sheet of Faculty (ASAS-AUH)

Event Title: Talk and interatiativesesstion by Prof. (Dr.) Veena Chaudhary
Date: 4 March2016

S.No.	Participant Name	Status
1	Dr. Shubhra Das	Present
2	Ms. Ranjana	Present
3	Ms. Sakshi Bansal	Present
4	Dr (Ms) Seema R Pathak	Present
5	Dr. M.Nidhin	Present
6	Dr. Joydeep Dutta	Present
7	Dr. Sudip Majumder	Present
8	Dr. Monika Vats	Present
9	Dr. Rakesh Kumar	Present
10	Dr. Priyanka Bolel	Present
11	Dr. Anurag Sharma	Present
12	Dr. A P Gupta	Present
13	Dr. RK Thakur	Present
14	Dr. Raminder Gill	Present
15	Dr. Anupam Vyas	Present
16	Dr. Ayana Bhaduri	Present
17	Dr. Vikas Lahariya	Present
18	Dr. Chander Shekhar	Present
19	Dr. Supreet	Present
20	Dr. Sunita Negi	Present
21	Dr. Ankush Vij	Present



Dr. Chander Shekhar

Name and sign of event coordinator


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Expert Talk Series (4th Lecture)

Outcome Committee Report

Distinguished Lecture by **Prof (Dr.) S.P. Ojha**, Former Vice Chancellor,
Chaudhary Charan Singh University Meerut

Organizer: **Amity School of Applied Sciences (ASAS)**, AUG, Panchgaon.

Date: Tue, 15 March 2016, Venue: A-Block Auditorium

Chairperson

Dr.rer.nat. Ram-Krishna Thakur
Hol, ASAS

Members

1. Prof. Dr. A. P. Gupta
HoD, Centre for Polymer Technology

2. Dr. Sudip Majumder
Assist. Professor, Chemistry.
(Coordinator Event) ASAS.

Aim of Expert Talk: *An initiative has been taken by Dr R. K Thakur, Dy Director, ASAS, under dynamic leadership of Prof. Dr. P.B. Sharma, Hon'ble Vice-Chancellor, AUG to organize Expert Talk of eminent Scientist of national and international repute on regular basis. It provides a platform not only to students but also to faculties to interact with eminent scientist in various fields and get a deep insight into various career options (in research and in industry) available to them especially in Applied Sciences & Technology. The session inspires students to innovate and think for solution to existing and future problems, develops confidence to decide future academic career. Overall helps them to know 'Science & Technology' in a better way as well as to develop scientific aptitude.*

Prof. (Dr.) S. P. Ojha, Former Vice Chancellor, Chaudhary Charan Singh University Meerut, visited the Amity University, Haryana on 15th March, 2016 on the invitation of Deputy Director, Amity School of Applied Sciences, Amity University Haryana and presented a talk on the topic **"Photonic band gap and meta-materials"**

The function started with the floral welcome of the guest. Hon'ble Vice Chancellor Prof.(Dr.) P. B. Sharma welcomed the guest by presenting Amity memento and shawl to the guest. The welcome address to the congregation was delivered Dr. R. K. Thakur and introduced the students presented in the audiences with the importance and significance of the photonic and meta materials. The distinction between the natural and man-made material with significantly different properties capable of transforming the technological advancement to a new horizon was presented exquisitely.

There after the audiences were showered upon with the words of wisdom by Hon'ble Vice Chancellor Prof.(Dr.) P. B. Sharma with the various references to the importance of light from


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the ancient knowledge. The description of the light as "Nikhanda, Akshara and Prajwala" meaning "which can't be divided further, Which can't be destroyed by anything and eternal burning desire for knowledge" was thoroughly captivating.

After the customary introduction of the guest, Prof. (Dr.) S. P. Ojha presented his talk on "**Photonic band gap and meta-materials**". Prof. (Dr.) S. P. Ojha presented the importance of the photonic materials as the next generation technology to replace the electronic materials with the photonic materials as the speed of light can be used for the computations in optical materials based circuitry. Prof. (Dr.) S. P. Ojha emphasized upon the need to consistently pursuing the set objectives in life irrespective of the results achieved or obstacles encountered enrooted to realization of the objectives. These inspiring thought resonated with the young minds. Prof. (Dr.) S. P. Ojha introduced the audience to the area of meta-materials and discussed the negative refractive index materials in-depth. After the lecture Prof. (Dr.) S. P. Ojha interacted with faculty and students presented in the lecture and answered the questions form the audiences. The major outcomes of this talk are;

- I) *Prof. Dr. Ojha offered his service to the Amity School of Applied Sciences, he is willing to co-supervise Master and PhD students during the discussion with Prof. Dr. P.B. Sharma, Dr. R. K. Thakur and Prof. Dr. A.P. Gupta.*
- II) *Prof. Dr. Ohja may deliver some special lecture on Photonics and Meta-materials during the semester for M. Sc. Physics and Chemistry students*

Vote of thanks was presented by Dr. Shashikant Gupta. He acknowledges the efforts made by the each and every one for the success of the program. Finally, Dr. R. K. Thakur, HoI, ASAS, Amity University thanks the cooperation of the students by patiently attending the lecture and administration for all logistic support.

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Attendance Sheet of Faculty (ASAS-AUH)

Event Title: Distinguished Lecture by Prof (Dr.) S.P. Ojha
Date: 4 March 2016

S.No.	Participant Name	Status
1	Dr. Shubhra Das	Present
2	Ms. Ranjana	Present
3	Ms. Sakshi Bansal	Present
4	Dr (Ms) Seema R Pathak	Present
5	Dr. M.Nidhin	Present
6	Dr. Joydeep Dutta	Present
7	Dr. Sudip Majumder	Present
8	Dr. Monika Vats	Present
9	Dr. Rakesh Kumar	Present
10	Dr. Priyanka Bolel	Present
11	Dr. Anurag Sharma	Present
12	Dr. A P Gupta	Present
13	Dr. RK Thakur	Present
14	Dr. Raminder Gill	Present
15	Dr. Anupam Vyas	Present
16	Dr. Ayana Bhaduri	Present
17	Dr. Vikas Lahariya	Present
18	Dr. Chander Shekhar	Present
19	Dr. Supreet	Present
20	Dr. Sunita Negi	Present
21	Dr. Ankush Vij	Present


Dr. Chander Shekhar

Name and sign of event coordinator


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The 2nd "Guest Lecture in Forensic Science"

Sh. Vijender Singh
Assistant Director, Delhi State FSL, New Delhi

18th April' 2016
Conference Hall, Block A

Forensic Science organized their Second Bi annual Guest Lecture on 18th April' 2016 i.e. Monday on the topic "Examination and Comparison of Handwriting" delivered by Sh.Vijender Singh, Assistant Director, Documents Division from the Delhi State Forensic Science Laboratory, New Delhi.

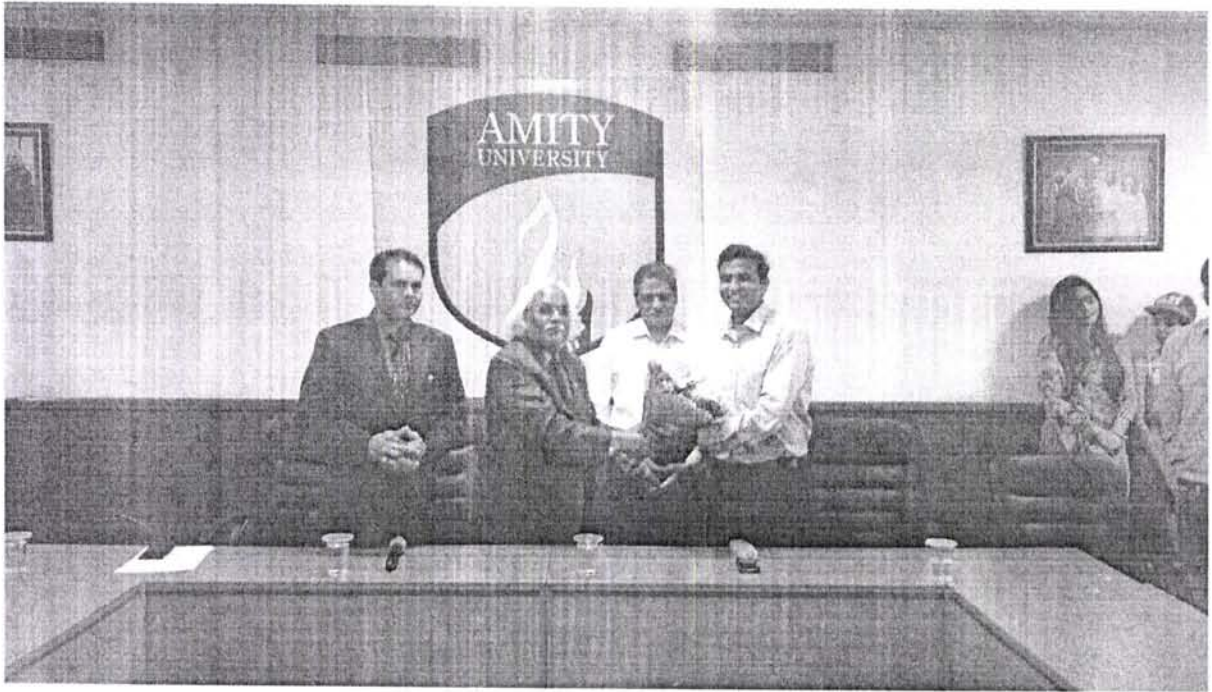
Sh. Singh addressed the students from senior batches of B.Sc. (H) and M.Sc Forensic Science, and faculty members from the Department of Forensic Science-in the benign presence of hon'bl Vice Chancellor, Prof. (Dr.) P.B. Sharma along the hon'bl Deputy Director of ASAS, Dr. Ram Krishna Thakur, and the HoD of Applied Chemistry Prof.(Dr.) Anek Pal Gupta.

His lecture was full of information and case studies from the field. It was an immensely pleasurable experience to attend such an interactive, enlightening and knowledgeable session in the subject area of Questioned Document Examination.

All in all, it was a knowledgeable and helpful session for all, as it taught various methodologies of investigation and the various protocols pertaining to in-field analysis of real cases encountered during forensic lab services.

M Singh
Registrar
Amity University Harviana
Manesar Gurgaon-122413





Mansur

Registrar
Amity University Haryana
Manesar Gurgaon-122413





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Registrar
Amity University Haryana
Manesar Gurgaon-122413





M. K. Singh
Registrar
Amity University Haryana
Manesar Gurgaon-122413





Mamant
Registrar
Amity University Haryana
Manesar Gurgaon-122413



Attendance Sheet of Faculty (ASAS-AUH)

Event Title: Questioned Document Examination through some Milestone Cases
Date: 18 April 2016

S.No.	Participant Name	Status
1	Dr. A P Gupta	Present
2	Dr. RK Thakur	Present
3	Ms. Shipra	Present
4	DR. Seema P Athak	Present
5	Dr. Raminder Gill	Present
6	Dr. Anupam Vyas	Present
7	Dr. Ayana Bhaduri	Present
8	Dr. Vikas Lahariya	Present
9	Dr. Chander Shekhar	Present
10	Dr. Supreet	Present
11	Dr. Sunita Negi	Present
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Mohit Soni

Dr. Mohit Soni

Name and sign of event coordinator

Mohit Soni
Registrar
Amity University Hariana
Manesar Gurgaon-122413

Expert Talk Series (6th Lecture)

Outcome Committee Report-6

Distinguished Lecture by **Prof (Dr.) Rajeev Manohar,****Organizer: Amity School of Applied Sciences (ASAS), AUH, Panchgaon.**

Date: Wed, 18 May, 2016, Venue: A-Block Auditorium

ChairpersonDr. rer. nat. Ram-Krishna Thakur
Hol, ASAS

Aim of Expert Talk: *An initiative has been taken by Dr R. K Thakur, Head of Institute (HOI), ASAS to organize Expert Talk of eminent Scientist of national and international reput on regular basis. It provides a platform not only to students but also to faculties to interact with eminent scientist in various fields and get a deep insight into various career options (in research and in industry) available to them especially in Applied Sciences & Technology. The session inspires students to innovate and think for solution to existing and future problems, develops confidence to decide future academic career. Overall helps them to know 'Science & Technology' in a better way as well as to develop scientific aptitude.*

Report on Invited Distinguished Lectures by Prof. (Dr.) Rajeev Manohar,

Professor, Department of Physics,

Director, Internal Quality Assurance Cell at Lucknow University, Lucknow.

Under the series of Expert Talk, three distinguished lectures were organized. Professor Dr Rajiv Manohar visited the AUH on May 18, 2016 and delivered three useful lectures on diverse topics. The event started in Auditorium A-Block by lighting the lamp by Hon'ble VC, Prof. P B Sharma, and other dignitaries. Dr R K Thakur, HOI, ASAS welcomed the Hon'ble guest followed by words of wisdom by Hon'ble VC, AUH.

The first lecture started on "NAAC Accreditation Process: Challenges & Solutions". The National Assessment and Accreditation Council (NAAC) is an organization that assesses and accredits institutions of higher education in India. It is an autonomous body funded by University Grants Commission of Government of India. Dr Rajiv explained the importance of accreditation of an institute/university. He explained that every university/institute should establish an Internal Quality Assurance Cell (IQAC) which will develop a system for conscious, consistent and catalytic improvement in the overall performance of the University. IQAC has to work as a nodal center. He discussed about the procedure to apply for the accreditation which is as follows: The

Rajeev Manohar
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IQAC will prepare the Self Study Report (SSR), it will be uploaded on the website and after that the university will send the Letter Of Intent (LOI) to NAAC. He also mentioned that the documentation of various activities and best practices is very important and an Annual Quality Assurance Report (AQAR) should be prepared by the IQAC every year. He explained the seven criteria which serve as the basis of NAAC assessment procedure. Based on these criteria the university/institute shall be evaluated out of 1000 marks and finally it will be converted into CGPA. The talk was interactive and Dr Rajiv discussed about various best practices being followed at Lucknow University, e.g., Topper's club, Topper's Lawn, Display of Topper students answer sheets in the library, parent teacher meetings etc.


The second lecture delivered by Dr. Rajiv Manohar was on "**Liquid crystals and its Applications**". It was a very fruitful and interactive talk. Lecture begins with an introduction to the special nature of liquid crystal materials, the basic features and classification of liquid crystals (LCs) in general and ferroelectric liquid crystals (FLCs) in particular, and their commercial applications. However, the main focus of the talk was how liquid crystals have made significant progress in electronic displays, especially liquid crystal displays. He also discussed the role of ferroelectric liquid crystals (FLCs) as a switchable grating in surface stabilized mode and improvement of diffraction efficiency by doping single walled carbon nanotubes. The observations indicated towards the phase diffraction phenomenon. The enhanced efficiency of first order diffraction suggests the use of present system in holography and different spatial light modulators. Various other applications of liquid crystals were also discussed.

Dr. Manohar gave his **third** and last lecture on "**How to write a research project**". He mentioned that apart from UGC/CSIR/DST/DBT, ISRO also funds some research projects but mainly for device fabrication and not for characterization. The information is available on www.isro.gov.in/sponsored-research-responsand and not at the main ISRO webpage. He discussed some key points for research proposal writing as follows: a) research proposal should contain a single goal but objectives can be multiple. b) present research objectives for the proposal should be discussed in details but not the future project plans. c) P.I. always can apply for an extension of the project by mentioning the extended future working plan which was not done in the previous project. d) While writing the proposal one should take care of the ease of reading by maintaining well defined sections.

This informative program was ended with the vote of thanks given by Dr. A. P. Gupta, HOD, Applied Chemistry, ASAS.

In reiteration, below are the objective outcomes of this lecture:

- (a) **Prof Dr Rajiv Manohar offered collaboration with following departments of AUH;**
(I) Applied Physics, (II) Nano Technology, (III) Materials Science. Such an understanding would enable our Master and PhD research scholars and faculty members


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to conduct advanced research, unfettered by provisional limitations. Extended discussions for future collaborations between the two Universities were conducted and understandings were reached for infrastructure and personnel sharing as well. **(Follow up by Dr RK Thakur & Dr Supreet Kaur shall submit concrete proposal for collaboration with LU and also evolve a Joint R&D Proposal for funding by 30 August, 2016). Dr M Nidhin, Dr Joydeep Dutta shall evolve proposals for funding as well.**

- (b) Faculty and Students were given an opportunity to attend a very fruitful lecture by a scientist of international repute. Prof. Manohar, in spite of being a Physicist, presented a very inclusive talk accommodating sensibilities of various disciplines. This enabled an overwhelming participation by students & faculties. **(Dr RK Thakur shall motivate students to take up project/ case study on Liquid Crystal as part of BSc and MSc projects in odd semester 2016)**
- (c) Faculty members and students, especially from schools like ASAS, ASEES, AMS, ACOAST and ASET benefitted greatly from the point of view of research and industrial job.
- (d) AUH warmly welcomed Prof. Dr. Manohar. It was a matter of great honor to host Prof. Dr. Manohar

It is 6th talk of this series. Prof. Dr. Thakur is contact person, and responsible for day long (Talk 1: NAAC, Talk 2: Liquid Crystal, Talk 3: Research Proposal Writing) nice and wonderful expert talks! Thank you to all administrative staffs, Sqd Ldr S K Singh ji, Col Harbansh Singh, ASAS faculty members and organizing committee members. Few pictures of the event are enclosed in next page.

Thanking you for all your kind support!

Best regards,

Ram-Krishna Thakur (**Chairperson, Outcome Committee**)
HoI / Dy Director, ASAS

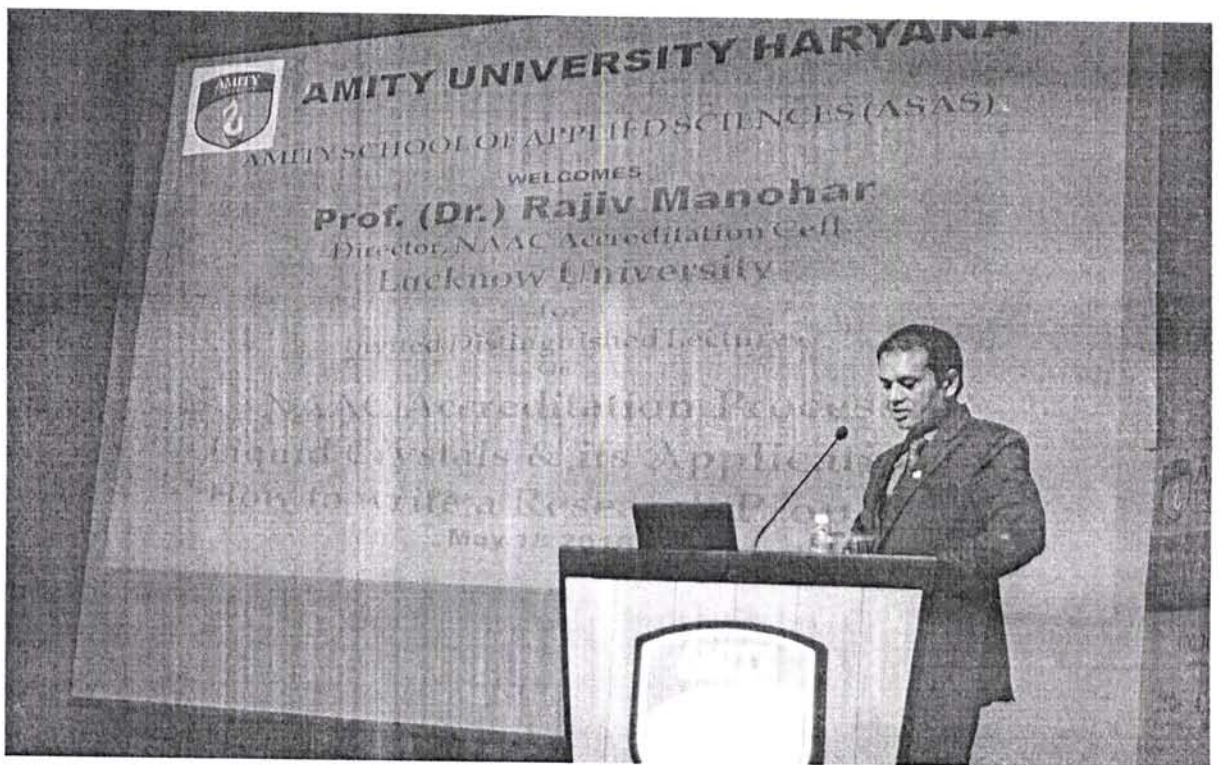
Organizing members (ASAS) for this talk

1. Dr Chander-Shekhar, Coordinator, Assistant Professor, Applied Physics
2. Dr Anurag Sharma, Assistant Professor, Applied Chemistry
3. Mr Amit Sharma, Assistant Professor, Applied Mathematics
4. Dr Sudip Majumder, Assistant Professor, Applied Chemistry
5. Dr Debashree Ghosh, Assistant Professor


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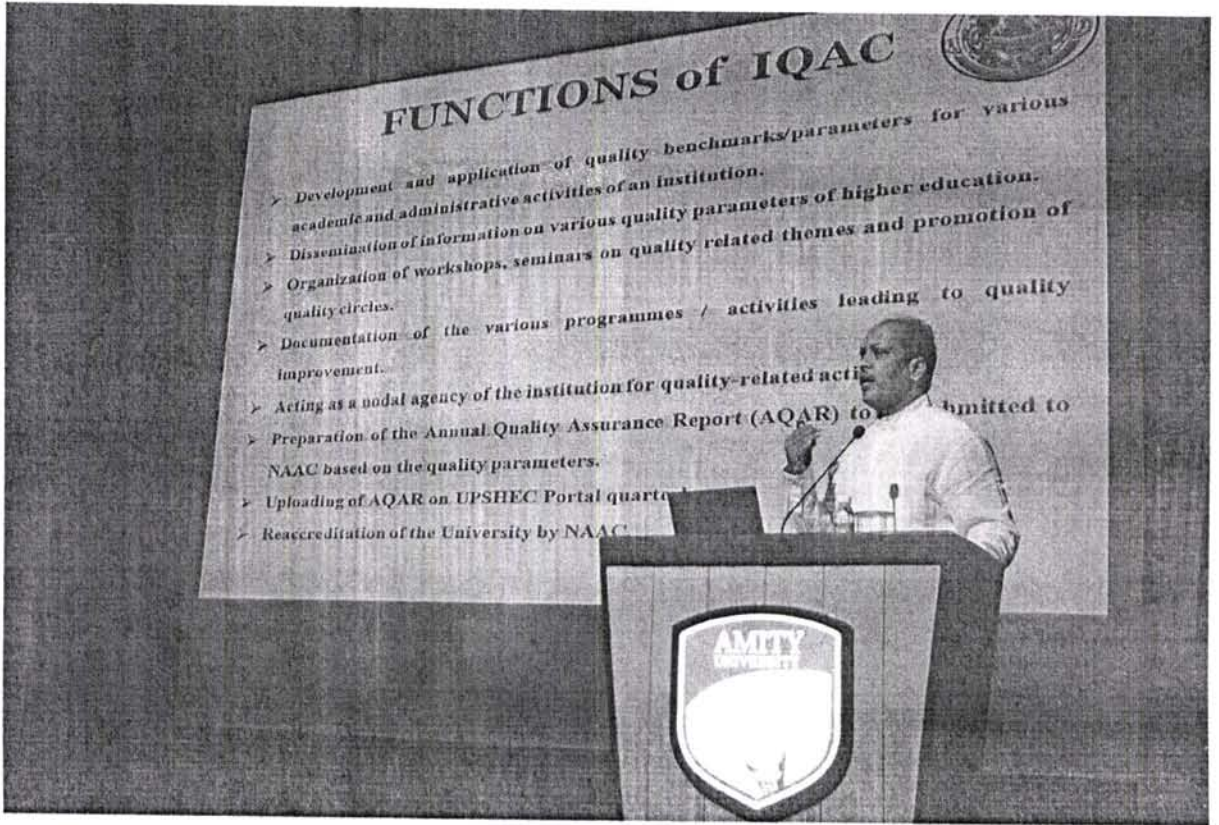


Some photographs of the event are pasted here



Rajiv Manohar
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Attendance Sheet of Faculty (ASAS-AUH)

Event Title: Invited Distinguished Lectures by Prof. (Dr.) Rajeev Manohar
Date: 18 MAY2016

S.No.	Participant Name	Status
1	Dr. A P Gupta	Present
2	Dr. RK Thakur	Present
3	Ms. Shipra	Present
4	DR. Seema P Athak	Present
5	Dr. Raminder Gill	Present
6	Dr. Anupam Vyas	Present
7	Dr. Ayana Bhaduri	Present
8	Dr. Vikas Lahariya	Present
9	Dr. Chander Shekhar	Present
10	Dr. Supreet	Present
11	Dr. Sunita Negi	Present
12	Dr. M.Nidhin	Present
13	Dr. Joydeep Dutta	Present
14	Dr. Sudip Majumder	Present
15	Dr. Monika Vats	Present
16	Dr. Rakesh Kumar	Present
17	Dr. Priyanka Bolel	Present
18	Dr. M.Nidhin	Present
19	Dr. Joydeep Dutta	Present
20	Dr. Sudip Majumder	Present
21	Dr. Monika Vats	Present

R.K. Thakur

Dr. RK Thakur

Name and sign of event coordinator



Manohar
Registrar
Amity University Haryana
Manesar Gurgaon-12413

AMITY UNIVERSITY

GURGAON

Expert Lecture

By

Prof. (Dr.) Ramesh Chandra
Head, Instrumentation Centre, IIT Roorkee

Friday 10th June, 2016

Venue – Conference Hall A Block

MINUTE TO MINUTE PROGRAMME


Time	Programme
11.30 Hrs.	Arrival of Honoured Guest: Prof (Dr.) Ramesh Chandra, Head, Instrumentation Centre, IIT Roorkee
11.30 Hrs. – 11.45 Hrs.	High Tea in VIP Lounge
11.45 Hrs. – 11:50 Hrs.	Dignitaries move to A-Block Conference Hall
11.50 Hrs. – 11:55Hrs.	Welcome Address by Prof. (Dr.) R. K. Thakur, HoI, ASAS.
11.55 Hrs. – 12:00 Hrs.	Remarks by Prof. (Dr.) Padmakali Banerjee, Pro Vice Chancellor, AUG.
12.00 Hrs. – 12:08 Hrs.	Words Of Wisdom by Maj. Gen. B.S. Suhag, Dy. Vice Chancellor, AUG
12:08 Hrs. – 12:10 Hrs.	Felicitation of Prof. (Dr.) Ramesh Chandra, Head, Instrumentation Centre, IIT Roorkee
12:10 Hrs. – 12:50 Hrs.	Expert Lecture by Prof. (Dr.) Ramesh Chandra, Head, Instrumentation Centre, IIT Roorkee on "Synthesis and Characterization of Nanoparticles"
12:50 Hrs. – 13:05 Hrs.	Audience Interaction Session
13:05 Hrs. – 13:10 Hrs.	Vote of Thanks by Prof. (Dr.) A. P. Gupta, HoD, Centre of Polymer Tech., AUG
13:10 Hrs. – 13:45 Hrs.	Lunch at VIP Lounge, A Block
13:45 Hrs. – 14:00 Hrs.	Visit to various labs
14:30 Hrs.	Departure of Guest


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Attendance Sheet of Faculty (ASAS-AUH)

Event Title: Lecture By Prof. (Dr.) Ramesh Chandra
Date: 10th June 2016

S.No.	Participant Name	Status
1	Dr. RK Thakur	Present
2	Dr. Raminder Gill	Present
3	Dr. Anupam Vyas	Present
4	Dr. Ayana Bhaduri	Present
5	Dr. Vikas Lahariya	Present
6	Dr. Chander Shekhar	Present
7	Dr. Supreet	Present
8	Dr. Sunita Negi	Present
9	Dr. Shashikant	Present
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Dr. Chander Shekhar

Name and sign of event coordinator

Amity School of Applied Sciences

Amity University Haryana

Expert Talk Series (8th Lecture)

Outcome Committee Report-8

Workshop on MATLAB

Organizer: Amity School of Applied Sciences (ASAS), AUH, Panchgaon.
Date: 28 June 2016 to 29 June 2016, Venue: A-Block Seminar Hall.


Patron: Prof. P. B. Sharma
Hon'ble Vice Chancellor, AUH

Workshop director
Dr. Ram-Krishna Thakur
Hol, ASAS, AUH

RESOURCE PERSON
Dr. N. M. Chadha,
MSc. Applied Mathematics, IIT Roorkee
PhD, University of Limerick, Ireland.

Organizing Committee

Dr. Vijay Kumar
Dr. Chander Shekhar
Dr. Anurag Sharma
Dr. Dimple Singh
Dr. Pravesh Kumar
Mr. Amit Sharma
Mr. Ravi Rathi


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Aim of workshop: *The initiative to organize the workshop has been taken by Dr R. K Thakur, Head of Institute (HOI), ASAS. It provides a platform not only to students but also to faculty members, research students and master students to interact with eminent scientist of international repute in various fields and get a deep insight into the technical aspects related to teaching and research especially in Applied Sciences & Technology. The session inspires students to innovate and think for solution to existing and future problems, develops confidence to decide future course of their respective careers. Overall the workshop helps them to know scientific computing systems in a better way as well as to develop scientific aptitude.*

The “Workshop on MATLAB” was organised by Amity School of Applied Sciences, Amity University Gurgaon on 28-29th June, 2016. The workshop was organized to familiarize the participants on **Scientific Computing using MATLAB** in order to gain knowledge and handle the MATLAB Tool for teaching and research. The workshop received an overwhelming response with 63 participants (faculty and research scholar) from Amity School of Applied Sciences, Amity School of Engineering, Amity Medical School, Amity School of Commerce, Amity Business School and Amity School of Earth and Environmental Science. Apart from this there were some participant from different universities/institution like Lovely Professional University, Amity University Noida, JMIT Radhaur Yamunangar, and Dr. A.K.T University.

Date wise brief Report for each day of the workshop is given below with conclusions

Day 1; Date: 28th June, 2016

Inaugural Session

Time: 10:00- 10:30 AM

Venue: A Block Seminar Hall –2nd Floor

The “Workshop on MATLAB” was inaugurated on 28th June, 2016. The session was graced by Prof. (Dr.) P.B. Sharma, Vice Chancellor, AUG and Dr. R. K. Thakur, HOI ASAS. The Inaugural Session started with welcome speech by Dr. R. K. Thakur, HOI ASAS followed by some words of wisdom by Vice chancellor, Prof (Dr.) P.B. Sharma.

In the inaugural speech, Vice Chancellor shared with faculty members his vision to take Amity University Gurgaon to global standards which can be achieved by developing the computational


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skills of faculty and students and thus facilitating Quality Research. He also encouraged faculty members to do innovative research and projects in MATLAB. The Vice Chancellor appreciated the efforts taken by the **Dr. R. K. Thakur HOI, ASAS** and organising committee to conduct the workshop. In his message he encouraged the faculty members to participate and conduct such FDPs and workshops which would help in enhancing their teaching skills as well as research ability.

Dr. R. K Thakur HOI, Amity School of Applied Sciences, in his Welcome Speech highlighted the importance and objective of organizing the workshop. He briefed the faculty and participants about the importance and the wide scope of MATLAB as scientific computing tool.

Lecture: "Introductory Session to MATLAB & Introduction to Programming using Script file and Function files"

Resource Person: Prof (Dr.) N.M Chadha

Time: 11.30- 12.30 PM and 2.00-4.00 PM

The Inaugural session was followed by lecture on "**Introductory Session to MATLAB**" which was attended by 63 enthusiastic participants includes faculty members from different schools of Amity University Gurgaon, Amity University Noida and Outside Universities and 2 Ph.D Scholars from Applied Mathematics. The resource person **Prof. (Dr.) N. M Chadha, M.Sc (IIT, Roorkee), Ph.D (University of Limerick, Ireland)** from Sharda University started the discussion with a brief introduction to MATLAB and its wide scope of applications. The lecture covered the topics like how to use command window, how to use variable in workspace, handle m-file and how to do computing using MATLAB. **Prof Chadha** described in very innovative way how to use function file by taking simple but interactive examples and how to call functions in script files. Prof Chadha also covered some plotting concept of 2D and 3D using plot, fplot and Mesh commands.

Day 2; Date: 29th June, 2016

Lecture: "Introduction to few commonly used built in functions for scientific computing including for system of linear equation and other related mathematical problems & Solution of various types of Differential equation"


Amity University Noida and
Manesar Gurgaon-122413



Resource Person: Prof (Dr.) N.M Chadha

Time: 10.30- 01.00 PM and 2.30-3.30 PM

The second day of the workshop was of advanced level as compared to the first day. Some mathematical computations which is of interest for faculty members from Sciences and Engineering were discussed. The resource person **Prof (Dr.) N.M Chadha** explained effectively how to solve linear system of equations using matrix in MATLAB, find the solution differential equation using RungeKuta method. Prof Chadha also taught how to make program user friendly and how to change variable in existing programs. Prof Chadha explained how to make function of a function and how to call them.

Closing Ceremony and Certificate Distribution


Time 4.00-4.30 PM

A memento was given to resource person **Prof (Dr.) N.M Chadha** by Dr. R.K Thakur, HOI, ASAS as token of appreciation. The certificate was distributed by Dr Thakur to 63 participants. The stage was graced by resource person Dr. N.M Chadha. Dr. Thakur also appreciated and gave best wishes to the organising committee for smooth conduction of workshop.

Feedback & Suggestions

Feedback and Suggestions were taken from faculty participants on each day which are as follows:

- It was good opportunity to learn MATLAB and use the scientific computing using MATLAB.
- There were good and wonderful presentations by Prof (Dr.) N.M Chadha for making the subject easy and understandable. As a learner, the person gained a lot from this workshop for future explorations.
- Training session was excellent and would help in research work
- Faculty suggested making a follow up plan to help faculty members in solving their problems
- Workshop should be for 5 to 6 Days.

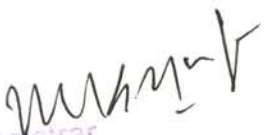

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- Workshop should be organised on a regular basis.
- Participants suggested that more power points should be available in the venue and more trained volunteers should be there to help them in programming.
- The next MATLAB workshop should be for some advanced topics.

Out come

- Dr. Chadha extended his views to supervise PhD scholars jointly.
- Also, workshop shall be organised in future on some advanced topic.
- Such a advanced method of scientific computing will be used in teaching at higher level for data analysis.
- Exchange of experts in practical exams, expert talks and other academic activities shall be undertaken in future.


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Amity University Haryana
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Registrar
Amity University Haryana
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Faculty of
Amity University Haryana
Manesar Gurgaon-122413





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Attendance Sheet of Faculty (ASAS-AUH)

Event Title: Workshop on MATLAB

Date: 28-29th June 2016

S.No.	Participant Name	Status
1	Dr. RK Thakur	Present
2	Dr. Raminder Gill	Present
3	Dr. Anupam Vyas	Present
4	Dr. Ayana Bhaduri	Present
5	Dr. Vikas Lahariya	Present
6	Dr. Chander Shekhar	Present
7	Dr. Supreet	Present
8	Dr. Sunita Negi	Present
9	Dr. Shashikant	Present
10	Dr. Vijay Kumar	Present
11	Dr. Sunita Kumawat	Present
12	Dr. Dimple Singh	Present
13	Dr. Amit Sharma	Present
14	Dr. Reeta Bhardwaj	Present
15	Ms. Shweta Rana	Present
16	Dr. Sarika Jain	Present
17	Dr. Sunita Daniel	Present
18	Dr. Nahid Fatima	Present


Dr. Chander Shekhar

Name and sign of event coordinator


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ASET EVENT REPORT-MAY 2016

Event Name: Water- Waste water – New Challenges

Date: 17th May 2016

Venue: C-214, Block- C, AUH

Organized By: MAE, ASET

Faculty Coordinator(s): Dr. A. K. Raghav

Participation:

1. No. of Faculty Members: 20
2. No. of Students: 20

Introduction

The idea behind the FDP is to develop an interest among the upcoming engineers by giving them knowledge of various water treatment types and the methods to re-use it. A FDP was organised on 'Waste water treatment-new challenges' on 17th May 2016 in Block-C, C-214 at 12 pm in Amity University, Haryana.

The FDP was chaired by HOD Mechanical Dr. A. K. Raghav and the resource person was Prof. Atul Kumar Mittal.

Aim of the Event

The treatment of wastewater and its reuse has two advantages: it not only avoids drawing on natural resources, but also enables a significant reduction in the amount of wastewater discharged into the natural environment. In fact, given the population explosion and ever-increasing water requirements, these new techniques, which are known as **Reuse**, offer genuine solutions. Once it has been treated, wastewater can also be used for various purposes where drinking water quality is not mandatory, including agricultural irrigation, the cleaning of industrial equipment, the watering of green spaces, and street maintenance, etc. In fact, Reuse has become essential in all areas in the world that suffer from water shortages, like in the United States (especially California), Mexico, Australia, and Asia, as well as in the Persian Gulf countries.

Highlights of the Event

1. FDP was attended by faculty and students of Mechanical engineering department along with other department faculties like, Civil, Environment, Electronics etc.
2. FDP started with the introductory speech by Dr. A.K.Raghav wherein he highlighted the importance water and the new challenges that we are facing now a days with the waste water.
3. After the welcome speech the stage was taken by inviting the resource person Prof. Atul k Mittal from IIT Delhi to broaden up on the said topic with his knowledge and insight.
4. Various figures and data were shown which made it easier for comparative studies and for clear understanding. He further added, Wastewater can also be **reused as part of industrial activities**. According to the French Development Agency (AFD), these activities account for 22% of the 3.8 trillion cubic meters consumed world-wide every year. This means that water is a key factor for

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industrial output. In an environment where water resources are becoming scarcer and legislation is becoming more stringent, this business sector is increasingly resorting to recycling wastewater. The water can be used in boilers and cooling towers, or as water for washing, cleaning and processes. Lastly, recycled water is also earmarked for **urban non-food uses**, including the irrigation of green spaces (parks, golf courses, and sports fields), landscaping (waterfalls, fountains and water features), street or vehicle cleaning, and fire prevention.

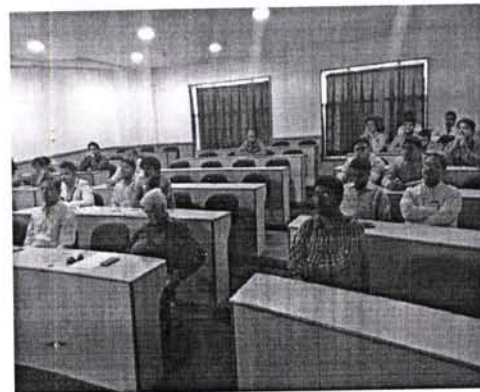
Outcomes of the Event

1. Students got to explore more and understood the various shortcomings and how to work upon it.
2. Faculty got more knowledge about the various treatments followed for cleaning the water and re-using it.
3. There was a clear understanding on how the system works in India and what all can be done to reduce the wastage of water and use it in an optimum manner.
4. The water in question must come with **genuine health guarantees**. The criteria selected are mainly based on the type of irrigation (aspersion, or micro-irrigation, etc.), and on the quality of the water used. Regulations in other countries around the world usually rely on the **recommendations of the World Health Organisation (WHO)**

Conclusion

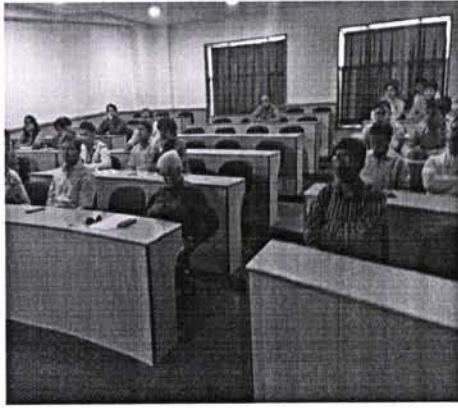
Overall, it was an overwhelming experience where the expert, faculties and students shared their insights and gave new perspectives which can lead to further sustainable action and fruitful interactions.

Glimpses of the event



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Amity University Haryana
Manesar Gurgaon-122113



List of Participants

Amity School of Engineering and Technology
FDP on Water- Waste Water New Challenges
17th May 2016

Dr. A.K. Raghav *A.K. Raghav*
Mr Manish Kumar Bharti *Manish*
Ms Sonia Chalia *Sonia*
Ms Sakshi Sethi *Sakshi*
Mr. Sanjeev Sharma *Sanjeev*
Mr. Lalit Mohan Gupta *Lalit Mohan Gupta*
Dr. Shiv Sharma *Shiv*
Mr. Kuldeep Kumar *Kuldeep*
Mr. Om Parkash *Om Parkash*
Mr. Ravi Kant *Ravi Kant*
Mr. Hardial Singh *Hardial Singh*
Mr. Narender Kumar *Narender*
Mr. Deepak Kumar *Deepak*
Mr. Rajesh Arora *Rajesh*
Mr. Nitin Shyam *Nitin Shyam*
Mr Vineet Jain *Vineet Jain*
Mr Sandeep Phogat *Sandeep Phogat*
Mr Avinash Dholiwal *Avinash*
Mr Pawan Kumar Taneja *Pawan Kumar Taneja*
Ms Rashi Koul *Rashi Koul*

M. Manoj

Registrar
Amity University Harvana
Manesar Gurgaon-122413

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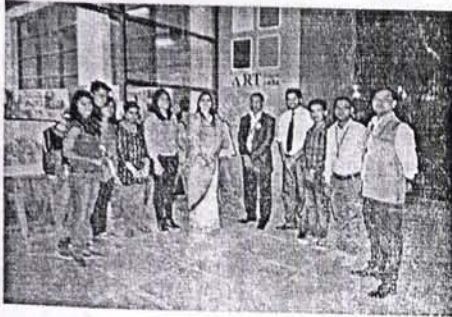
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Amity University Haryana
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National Innovative Conclave 2015

Report: Amity School of Fine Arts

Amity University Gurgaon, 5th - 6th October 2015

Art Exhibition: Amity School of Fine Arts Organized art Exhibition on the behave of National Innovative Conclave we have exhibited the paintings, photographs, sculptures, digital paintings, installations, illustrations and design artworks. All these creative work done by our budding students artist and masters faculties in Fine Arts. 27 paintings acrylic on canvas, 15 drawings on paper, 7 Sculptures, 2 Installations, 20 Designs (logos, graphics, advertisements), 9 Posters (Handmade painted).



Poster Exhibition:

We have showcased one poster for National Innovation conclave at C-Block Poster Gallery, the title of the poster was "My Innovation My World".

By: Dr. Ranjan Kumar Mallik

Working Model Project- The Smart Village

Description: As we all know, Visual beauty and Aesthetics are the key points to attract human attention. Our project has embarked on a vision of creating hundred Global Villages which will be a harbinger of rural transformation and create a new model of sustenance and living – redefining rural transformation.

OBJECTIVES:

- Energy In Form of Biogas
- Waste Management
- Wind Mill for Energy
- Solar Panels
- Techno Cattle Shade
- Water Purifier/ Water Tank
- Government School
- Government Hospital
- Open Ampitheatre
- Bank & Post Office
- Poultry Farm
- Smart Aesthetic look
- Art & Craft Centre
- IT Centre
- Proper Transport etc.


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Manesar Gurgaon 2013

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Amity School of Fine Arts

Attendance Sheet of Faculty Members (AUH)

Event Title: *National Innovation Conclave*

Date:

5.6.06.2017

S.No.	Participant Faculty Name	School	Designation	Signature
1.	<i>Dr Ransom Mallik</i>	<i>ASFA</i>	<i>AD-F</i>	<i>[Signature]</i>
2.	<i>Mr. Ananddeep Anand</i>	<i>ASFA</i>	<i>Visiting-F</i>	<i>[Signature]</i>
3.	<i>Dr. Bhavani Prateep</i>	<i>ASFA</i>	<i>AD-T</i>	<i>[Signature]</i>
4.	<i>Dr. Dillip Kumar</i>	<i>ASFA</i>	<i>Visiting F.</i>	<i>[Signature]</i>
5.	<i>Dr. Chandrashekhar</i>	<i>ASFA</i>	<i>Visiting F.</i>	<i>[Signature]</i>
6.	<i>Dr. Himani Saini</i>	<i>ASFA</i>	<i>AD-C</i>	<i>[Signature]</i>
7.	<i>Dr. Nikhi Kumar</i>	<i>ASFA</i>	<i>Visiting F.</i>	<i>[Signature]</i>
8.				
9.				
10.				

Dr. Ransom Mallik

Name & Signature of the Event Coordinator

Registrar

Amity University Haryana
Manesar Gurgaon-122413

Report on the Fine Arts Workshop for the School Students

Date of Workshop: 30th September 2015

Workshop Coordinators: Mrs. Himani (Assistant Professor I) and
Mr. Chandrashekhar (Visiting Faculty)

Number of Student Registered: 09

**Number of Student
Attended the Workshop:** 04

Venue: BLG-02, Amity School of Fine Arts, AUG

Glimpses of the workshop:



Welcome speech by Dr. Ranjan Kr. Mallik



Academic Career presentation by Mrs. Himani, Faculty-Amity School of Fine Arts



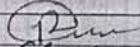
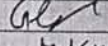
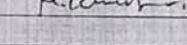
Landscape painting demonstration in water colors by Mr. Chandrashakher, Faculty-Amity School of Fine Arts




Registrar
Amity University Haryana
Manesar Gurgaon-122413

Amity University Haryana
Amity School of Fine Arts

Attendance Sheet of Faculty Members (AUH)

Event Title: Workshop for the school students and faculty				Date: 30/9/2015
S.No.	Participant Faculty Name	School	Designation	Signature
1.	Dr. Ranjankumar	ASFA	AP-I	
2.	Mr. Anand P Gupta	ASFA	Guest Visiting F.	
3.	Mr. Nitish	ASFA	Visiting F.	
4.				
5.				
6.				
7.				
8.				
9.				
10.				
Dr. Pooja Kumar Malik				
Name & Signature of the Event Coordinator				


Registrar
Amity University Haryana
Manesar Gurukul Road, Gurgaon-122009

URGENT: ASFA Event Report and Pics

Dr. Ranjan Kumar Mallik
10/27/2015



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Sculpture Demonstration

It was organized by Amity School of Fine Arts, AUG
on 25th August 2015,
which was attended by 25 students- BFA & MFA and 5 faculty.

.....
Demonstrated by Mr. Umesh Nayak,
Noted contemporary Sculptor, From Aligarh, UP,
Aim and object of Workshop was to introduce the 3 Dimensional objects - Sculpture in Natural Clay, demonstrate the different Sculpture tools in a technical process and also have an artist interaction between Expert, faculty & budding Students.

Pls find the attached photographs

mmmk
Registrar
Amity University Haryana
Manesar Gurgaon-12413

Amity University Haryana
Amity School of Fine Arts

Attendance Sheet of Faculty Members (AUH)

Event Title: Sculpture Demonstration Date: 25 Aug 2015

S.No.	Participant Faculty Name	School	Designation	Signature
1.	Dr. Ransan Mallik	ASFA	AP-D	
2.	Mr. Ananddeep Arora	ASFA	Visiting F	
3.	Mr. Bhani Prasad	ASFA	AP-D	B. Prasad
4.	Mr. Dilip Kumar	ASFA	Visiting F	Dilip K
5.	Mr. Chandrasekar	ASFA	Visiting F	
6.	Mr. Himanshu Saini	ASFA	AP-D	H. Saini
7.	Mr. Nikhil Kumar	ASFA	Visiting F	
8.				
9.				
10.				

Dr. Anjan Kumar Mallik
Name & Signature of the Event Coordinator

Registrar

Amity University Haryana
Manesar Gurgaon-122413

“Salad as a Meal” – a healthy Workshop organised jointly by DAN, AMS & ASH

Date & Time : 9th March 2016, 14:00 pm to 16:00 pm

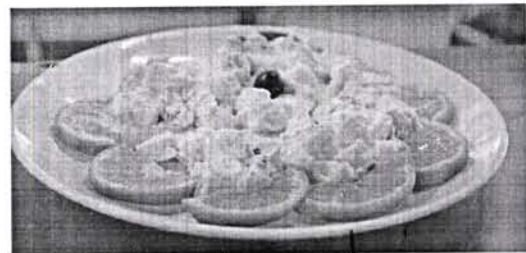
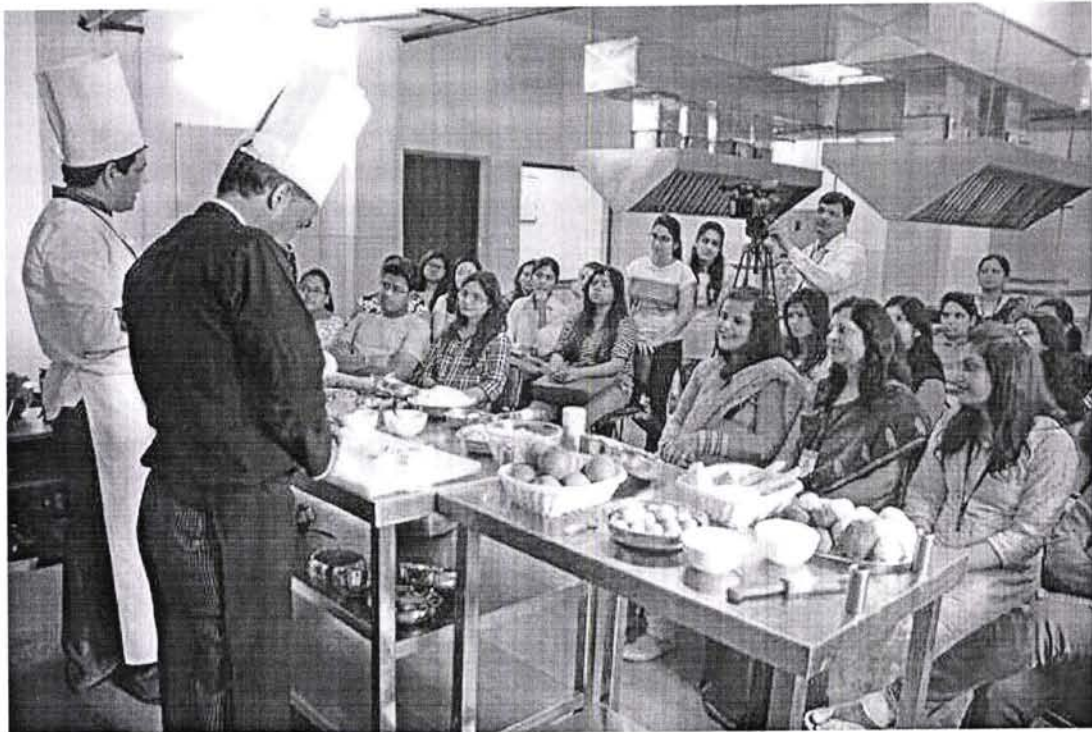
Venue : ASH, E-Block, Hostel Plaza

Demonstrated by : Chef Vinod Kumar Chauhan & Chef Mansoor Ahmad (ASH)

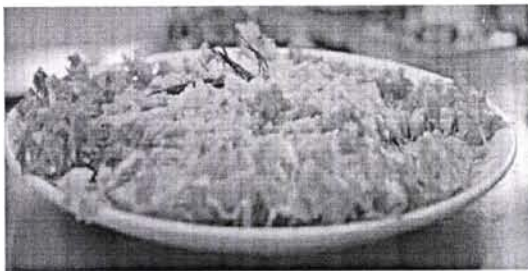
Student Participated : Students and Faculty Member of DAN (AMS)

Brief Description of the Event:

1. The event started with brief description by the chefs as to how salad can be served as a full meal.
2. Then both the chefs started demonstrating how different types of salads can be prepared and gave a detailed description about all the ingredients used.
3. It took them two to three hours in demonstrating and preparing various types of salads.
4. Overall 10 salads were prepared, 5 by each.
5. At the end all the salads were displayed in the restaurants for tasting.
6. The event was a success as students got a great opportunity to learn the preparation of new dishes




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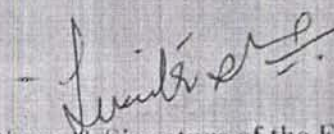
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Registrar
Amity University Haryana
Manesar Gurgaon-122413

Attendance Sheet of Faculty Members (AUII)

Event Title: Salad as a Meal Workshop

Date: 09/03/2016

S.No.	Participant Faculty Name	School	Designation	Attendance
1	Dr. Luxita Sharma	AMS	HOD (DAN) & Assistant Professor III	Present
2	Dr. Monika Chaudhary	AMS	HOD (Optometry) & Professor	Present
3	Dr. Puneeta Ajmera	AMS	Assistant Professor I	Present
4	Ms. Richa Singh	AMS	Assistant Professor I	Present
5	Ms. Sheetal Yadav	AMS	Assistant Professor I	Present
6	Ms. Neeru Bharadwaj	AMS	Executive Assistant	Present
7	Mr. Vinod Chauhan	ASH	Assistant Professor I	Present
8	Mr. Anrunangshu Bhattacharya	ASH	HOD (ASH)	Present
9	Mr. Mansoor Ahmad	ASH	Assistant Professor I	Present


Name & Signature of the Event Coordinator


Registrar
Amity University Haryana
Manesar Gurgaon-122413

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