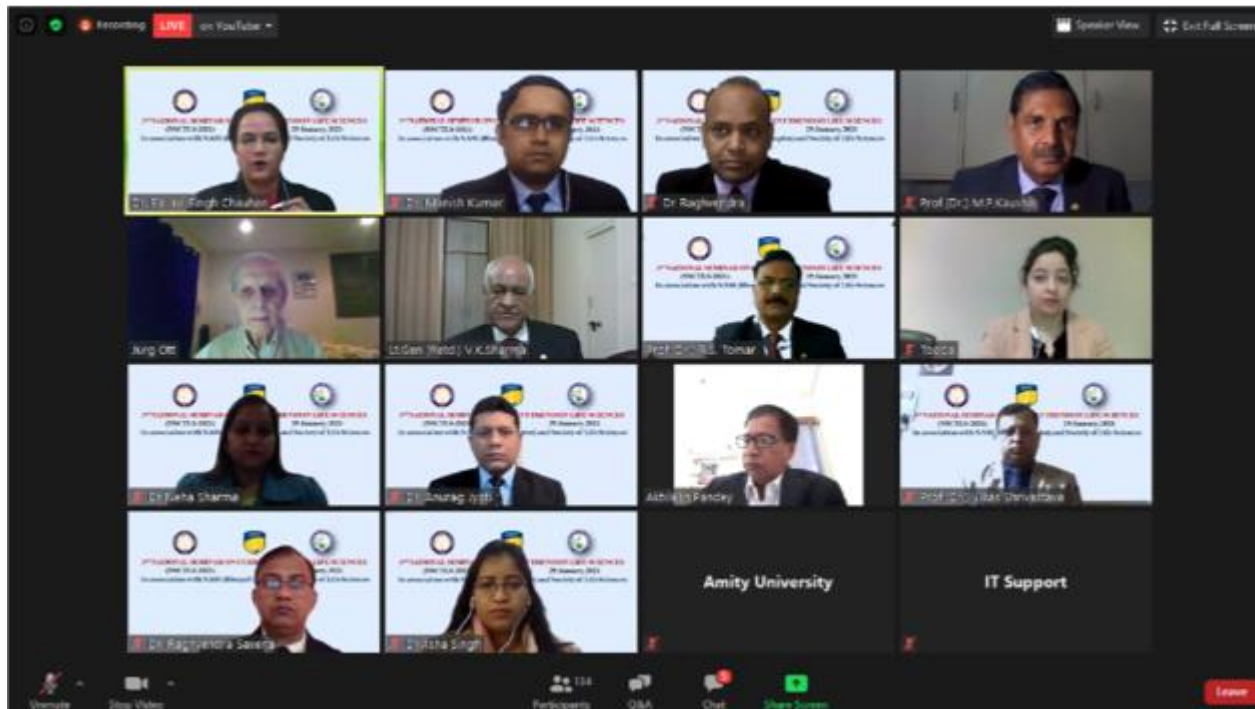




Amity Institute of Biotechnology organizes 3rd National Seminar on “Current Trends in Life Sciences” on 29th January 2021



Amity Institute of Biotechnology, Amity University, Gwalior organized ‘3rd National Seminar on Current Trends in Life Sciences-2021’ on 29th Jan. 2021 in virtual mode. National seminar was inaugurated by lamp lighting ceremony followed by Saraswati Vandana in the presence of chief guest Prof. (Dr.) A. K. Pandey, Vice Chancellor, Vikram University, along with guest of honor Prof. (Dr.) Jurg Ott, Professor Emeritus, The Rockefeller University, New York, USA and Hon'ble Vice Chancellor Lt. Gen. V. K. Sharma, AVSM (Retd.), Prof. (Dr.) R.S. Tomar (Convener of the seminar) and other dignitaries.

The programme started with the welcome address by Hon'ble Vice Chancellor Lt. Gen. V. K. Sharma, AVSM (Retd.) followed by address by chief guest Prof. (Dr.) A. K. Pandey. Afterwards, abstract book of the national seminar was released in virtual mode by dignitaries present online. In the continuation, keynote address on the topic ‘*Shared Genomic Segment (SGS) analysis for Disease Gene Mapping*’ was delivered by guest of honour Prof. (Dr.) Jurg Ott, Professor Emeritus.



Technical sessions were started online on google meet platform and technical session-I, Plant Sciences & Alternative Medicine was started with the invited talk of Prof. (Dr.) R M Agarwal, Former Professor & Head, S.O.S. in Botany, Jiwaji University, Gwalior on the topic 'Role of Potassium in Alleviating Stress-Induced Changes in Plants'. This session was chaired and co-chaired by Prof.(Dr.) S.P. Bajpai, Ex-Dean (Research), Amity University Madhya Pradesh, Former Professor & Head, H.S. Gaur University, Sagar and Prof. (Dr.) Rajesh Singh Tomar, Director, Amity Institute of Biotechnology, Dean (Life Sciences), Amity University, Gwalior respectively. Session included two more invited talks by Dr. Siddharth Tiwari, Scientist-E, National Agri-Food Biotechnology Institute, Mohali and Dr. Lavesh Kumar Chourasia on the topics 'Development of nutritional rich banana using transgenic and genome editing approaches' and 'Studies on different methods of nutrient management and mulching practices on productivity of Tomato (*Lycopersicon esculentum*) Mill' respectively. In this technical session, there were two oral presentations.

Technical session-II, Biotechnology was started with the invited talk of Prof. (Dr.) I. K. Patro, Ex-Vice Chancellor, Ravenshaw University, Cuttack on the topic 'Post Covid Management'. This session was chaired and co-chaired by Prof. (Dr.) I. K. Patro, and Prof. (Dr.) Rajesh Singh Tomar, Director, Amity Institute of Biotechnology, Dean (Life Sciences), Amity University, Gwalior respectively. Session included one more invited talks by Prof.(Dr.) Puneet Gandhi, on the topics 'New Innovations in Biomedical Research-What it means for Scientists & the common man'. In this technical session, there were 6 oral presentations.

Technical session-III, 'Microbiology and Microbial Technology' was started with the invited talk of Prof. (Dr.) Mahendra Gupta, Jiwaji University, Gwalior on the topic 'Nanotechnology: A Promising technology in Sustainable Agriculture'. This session was chaired and co-chaired by Prof. (Dr.) Mahendra Gupta, Jiwaji University and Dr. Neha Sharma, Amity Institute of Biotechnology, Gwalior respectively. Session included one more invited talks by Prof. (Dr.) A.M. Deshmukh, on the topics 'Microbial Solubilization of Metals from Electronic waste (E- waste)'. In the this technical session, there were 4 oral presentations.

Technical session-IV, 'Animal Sciences' was started with the invited talk of Prof. (Dr.) U.D. Gupta, JALMA, Agra on the topic 'Animal Models of Tuberculosis'. This session was chaired and co-chaired by Prof. (Dr.) U.D. Gupta and Prof. (Dr.) Rajesh Singh Tomar, Director, Amity Institute of Biotechnology, Dean (Life Sciences), Amity University, respectively. Session included three more invited talks by Prof. (Dr.) Bechan Sharma, University of Allahabad, on the topics 'Challenges and opportunities to develop antiCoVID19 drugs', by Dr. Kusum Singh, Department of Zoology, Bundelkhand University Jhansi on the topic 'Vaccine production need of today's world' and by Dr. Bushra Malik, Malwa Group of Colleges, Gwalior, MP on the topic Stress Management Diet During Corona phobia.

Parallel session-I for oral presentations was started with the invited talk of Prof. (Dr.) I. K. Pai, Former Professor and Head, Department of Zoology and Director, UGC-HRDC and Centre Coordinator, NRC-MHRD (Mar. Sci.), Goa University, Goa. This session was chaired and co-chaired by Prof. (Dr.) I. K. Pai and Dr. Anurag Jyoti, Assistant Professor, Amity Institute of Biotechnology, Amity University Madhya Pradesh respectively. Session included one



more

invited talk by Dr.

Sushmita Shrivastava, Govt. P. G. College, Guna (M.P.), on the topics 'Ethnoveterinary practices for dermal disorders among cattle in Gwalior (M.P.)'. Afterwards, 22 oral presentations were conducted in this parallel session.

Parallel session-II for oral presentations was started with the invited talk of Prof. (Dr.) Madhulika Bhagat, School of Biotechnology, University of Jammu, Jammu, on the topic 'Nanofertilizers for sustainable agriculture: an influence of Zinc oxide nanoparticles'. This session was chaired and co-chaired by Prof. (Dr.) Madhulika Bhagat and Prof. (Dr.) Vikas Shrivastava, Amity Institute of Biotechnology, Amity University Madhya Pradesh respectively. Session included one more invited talk by Dr. Mohd Salim Reshi, Baba Ghulam Shah Badshah University, Rajouri (J&K), on the topics 'Nanotherapeutics for Acetaminophen Induced Hepatotoxicity in Rats'. Afterwards, 19 oral presentations were conducted in this parallel session.

Parallel session-III for oral presentations was started with the invited talk of Prof. (Dr.) B.K. Sarma, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, on the topic 'Role of microbes in sustaining food security'. This session was chaired and co-chaired by Prof. (Dr.) B.K. Sarma and Dr. Raghvendra Kumar Mishra, Associate Professor, Amity Institute of Biotechnology, Amity University Madhya Pradesh respectively. Session included two more invited talks by Dr. Mithilesh Jaiswal, Biotechnology Lab, Research and Development Division, Tropilite Food Pvt. Ltd, Gwalior, on the topics 'Probiotics: Good Microbes for Health Benefits and Business opportunity' and by Dr. Pratistha Dwivedi, Govt. Nehru College, Sabalgarh, Morena on 'Reverse Vaccinology: Bridging The Gaps In Vaccine Design and Development'. Afterwards, 10 oral presentations were conducted in this parallel session.

There were total 4 technical sessions, 3 parallel sessions for the oral presentations and invited talk along with total 4 poster presentation sessions. The presentation and evaluation was done on the basis of online presentation performance in both oral and poster presentations. There were total 19 invited talks, 1 key note address along with 62 oral and 115 posters for the presentations.

During the valedictory session Pro-Vice Chancellor AUMP, Prof. (Dr.) M.P. Kaushik addressed participants, students and faculty members. Afterwards, chief guest of the session Prof (Dr.) Niraj Kumar, Secretary, The National Academy of Sciences, India (NASI), Prayagraj, (U.P.), present along with other dignitaries addressed audiences online with his valuable words. Prizes for best oral and best poster presentations along with 'Young Scientist Awards' were announced by the dignitaries. First 'Young Scientist Award' in oral presentation section was awarded to Devasena Umai R, Vels Institute of Science, Technology and Advanced Studies, Chennai and second 'Young Scientist Award' in poster presentation section was awarded to Usma Manzoor, Jaipur National University, Jaipur. Best poster presentation award was given to Sankalp Misra, CSIR-NBRI whereas Shasta Kalra, Department of Entomology, Punjab Agricultural University, Ludhiana has received second prize in this category. Best oral presentation award was given to Vikas Sharma, Department of Molecular biology and Genetic Engineering, Lovely Professional University and second prize was grabbed by Indranil Singh, The Lautenberg Center for Immunology and Cancer Research, Institute of Medical Research, Israel. The concluding remark of the National seminar was proposed by convener of the 3rd National Seminar Prof. (Dr.) R.S. Tomar. In the last, vote of thanks was proposed by Dr. Vikas Shrivastava, Organising Secretary, 3rd National seminar.



AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010





1st November 2019 (Friday)

International Conference On “Challenges and Opportunities in Social Sciences, Humanities and Business Management”

Amity Business School, Amity University Madhya Pradesh organized International Conference on Challenges and Opportunities in Social Sciences, Humanities and Business Management on November 1st 2019.

In the inaugural session that commenced at 10.30 am, Hon’ble Vice Chancellor, Lt. Gen V. K. Sharma, AVSM (Retd.) gave the opening remarks and spoke on the new trends of entrepreneurship and business management. “Any business can only develop if we understand the actual need of the customer. New ideas will only flourish with a great team and hard work.” he said. Prof. (Dr.) Sunita Sengupta, Dean, Faculty of Management Studies, Delhi University was the Chief Guest who spoke about the need of understanding Indian way of management instead on adopting western management. She suggested focusing on the rich culture of India. Mr. Saurabh Jain, Vice-President, Paytm was the Guest of Honor during the Inaugural Session. Mr. Jain emphasized and spoke on business innovation and transformational leadership. He also said Intrapreneurship and Entrepreneurship both are welcome in today’s world.

Present in the occasion were Prof. (Dr.) M.P. Kaushik, Pro Vice-Chancellor, Amity University Madhya, Prof. (Dr.) Anil Vashisht, Deputy Pro-VC, Registrar, HOIs, HODs, Members of faculty and large body of students.

Around 86 research papers were received, out of which after the proper scrutiny, only 51 were selected to be the part of conference proceedings. The book of proceedings was released by the dignitaries in the inaugural session.

In the inaugural session, 160-180 students & 2 escort teachers of the following schools attended the conference.

Army Public School

Ebenezer School

Gwalior Glory School

RKVM School

Mount Zee Litera School

AMI Shishu Mandir



The inaugural session of the conference was followed by a technical session. The technical session was moderated by Dr. Manoj Pandey, HOD, Amity Business School and Dr. Rohit Singh Tomar, Faculty, Amity Business School. Prof. (Dr.) Manoj Patwardhan, Indian Institute of Information Technology, Gwalior was the keynote speaker. He spoke of Social Entrepreneurship and asked students to work with people of villages. Mr. Pedro Sanchez, a faculty from Spain mentioned how the business management students can contribute by doing proper marketing of products. Prof. Sanjeev Khanna, HOD at MITS, Gwalior spoke on the emerging challenges in business management.

Parallel sessions were conducted in which research scholars presented their papers on different areas of Entrepreneurship, management and social sciences. Mr. Sunil Srivastava, Guest of Honor, Senior HR Head, Britannia Industries, Mr. Santosh Pathak, Guest of Honor, DGM-HR, SRF Industries and Prof. Devendra Kr. Pandey, Faculty, Amity Business School, AUMP Gwalior judged the scholars on the basis of content, conciseness and research ideas.

Mr. Atul Mehta, Head- Sales, Razorpay and Mr. Rajeev Narang, Senior Vice President: SRF Ltd. were the Guest of Honor in the valedictory session of the conference. In his keynote address Mr. Mehta spoke about globalization of product and services and how a flavor of information communication technology is the new recipe of entrepreneurs. Mr. Khanna shared his vast experience and suggested the audience to think and act on global perspective. Prof. MP Kaushik, Pro Vice Chancellor gave concluding remarks and emphasizes the use of technology in doing business.

The following were the major conclusions of the conference:-

The change in the preference of the customers is the biggest challenge in today's time for entrepreneurs.

Adopt and change as per customer needs and requirements.

All entrepreneurship must result in product improvement, cost reduction, simplification/automation of procedures, and reduction in time delays, problem solving and reaching new customers.

Factors like social media, new media and digitalization could well influence business management and social sciences.

As far as Social Sciences are concerned, it is important for young India to move to rural places and work hard to improve the lives of people. Social Entrepreneurship is the need of the hour and must be encouraged in colleges.

The conference concluded with vote of thanks by Prof. (Dr.) Anil Vashisht, Deputy Pro Vice Chancellor, Amity University Madhya Pradesh and the Organizing Secretary of the conference.



The feedback on conference received was very encouraging and positive. The participants attending the conference were very happy about the deliberations and absorbed all the innovative ideas shared during the conference. Overall, the conference was a grand success as its outcome reflected Challenges and Opportunities in Social Sciences, Humanities and Business Management.



Hon'ble Vice Chancellor, Lt. Gen V. K. Sharma, AVSM (Retd.) gave Opening remarks.



Respected , Prof. MP Kaushik, Pro Vice Chancellor gave concluding remarks and emphasizes the use of technology in doing business.



Hon'ble Vice Chancellor, Lt. Gen V. K. Sharma, AVSM (Retd.), Respected Prof. MP Kaushik, Pro Vice Chancellor, Prof. (Dr.) Anil Vashisht, Deputy Pro Vice Chancellor, Amity University Madhya Pradesh and dignitaries of conference releasing the the book of Proceedings.



Mr. Atul Mehta, Head- Sales, Razorpay during his keynote speech about globalization of product and services



Prof. (Dr.) Anil Vashisht, Deputy Pro Vice Chancellor, Amity University Madhya Pradesh Presenting vote of thanks



AMITY UNIVERSITY MADHYA PRADESH

AMITY INSTITUTE OF BIOTECHNOLOGY

Topic of online guest lecture: Nanomaterial Toxicology: Methods and Challenges

Date/Time: 25/05/2020, 11:30 AM - 12:30 PM

Guest Speaker: Dr. Alok Kumar Pandey, Principal Scientist, Nanomaterial Toxicology Group, CSIR-Indian Institute of Toxicology Research, Lucknow.

No. of Registered Participants

No of Attendees: 338 participants in the webinar (331 Attendees+ 1 Presenter (Dr. Alok Kumar Pandey + 5 Panelists (Lt. Gen. V.K. Sharma, Hon'ble Vice Chancellor, AUMP, Prof.(Dr.) M.P. Kaushik, Pro VC, AUMP, Prof.(Dr.) Rajesh Singh Tomar, Director AIB & Dean (Academics), AUMP, Prof.(Dr.) Vikas Shrivastava, Coordinator AIB and Dr. Anurag Jyoti, Assistant Professor, AIB.) + 1 IT support cum Host (Amity Webex)).

Amity Institute of Biotechnology organised a webinar on very pertinent topic, Nanomaterial Toxicology: Methods and Challenges. The webinar was delivered by Dr. Alok Kumar Pandey. Principal Scientist, Nanomaterial Toxicology Group, CSIR-Indian Institute of Toxicology Research, Lucknow. In this webinar, he emphasized on the adverse effects of nanomaterials. He began with the applications of various nanomaterials used in daily life. He further mentioned about nanoparticles, that falling in the transitional zone between molecular and particle level, give rise to unique properties yielding many technical challenges which impede nanotoxicity studies e.g. finding appropriate doses corresponding to human and environmental exposures (as *in vivo* and *in vitro* experiments should mimic natural exposure conditions); dispersion of nanoparticles and consequently preparing stable suspensions of the nanoparticles for experiments. Dr. Pandey emphasised on the testing strategies employed in conventional toxicology studies when put as such in nanomaterials toxicity studies fall short to meet such challenges. He also addressed some of these issues with an emphasis on multidisciplinary approach and standard guidelines to tackle them.



His discussions and he replied all the queries raised by the participants.

lecture concluded with

Keywords: Nanomaterials, Nanotoxicity, Safe guidelines and Agglomeration.

OUTCOMES OF THE ONLINE GUEST LECTURE

- Participants were benefitted with the concept of Nanotoxicology.
- Participants had comprehensive learning of different methods used in characterisation of nanomaterials.
- Participants were benefitted with various techniques to study nanomaterial toxicity.

Glimpses of online guest Lecture

The screenshot shows a Cisco Webex Events window. The main content area displays a slide with the following text:

CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH
COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH

Nanomaterial Toxicology: Methods and Challenges

Alok K. Pandey
Principal Scientist
Nanomaterial Toxicology Laboratory
Nanomaterial Toxicology Group
CSIR- Indian Institute of Toxicology Research, Lucknow
alokpandey@iitr.res.in

The interface also shows a list of participants on the right, including Prof.(Dr.) M.P. Kaushik, Amit Kumar Tripathi, Khushboo Shrivast..., Shaishavee Saini, Sakshi Shrivastava, Pooja Yadav, priyanshi soni, and Manish Kushwaha. The chat window at the bottom right shows messages from Pooja Yadav and Gourav Mishra. The system tray at the bottom indicates the date as 25-05-2020 and time as 11:45.