



When God pushes somebody, inspires somebody, leads somebody – no power in the world can stop such a person

Dr. Ashok K Chauhan
Founder President,
Amity Education Group



Amity University is an epitome of higher education that blends modernity with tradition and culture, where science and technology blend harmoniously with performance, progression and innovation.

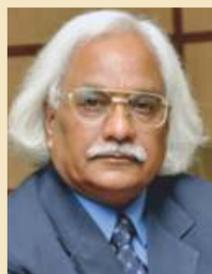
Dr. Aseem Chauhan
Chancellor,
Amity University Haryana

AMITY UNIVERSITY HARYANA CONFERS HONORIS CAUSA DOCTORATE ON HEALTHCARE LUMINARY SHRI ABHAY SOI

Recognizing the importance of world-class medical services and the competence with which the healthcare allied services and hospitals in India have successfully met the challenge of Covid-19 pandemic by keeping the recovery rate at one of the highest in the world, Amity University Haryana conferred the Honorary Doctorate upon Shri Abhay Soi, Chairman and Managing Director of Max Healthcare Institute. This salutation is a recognition for his exemplary accomplishments in the field of Healthcare services and for his unmatched leadership acumen.

Presiding over the virtual convocation, the Chancellor of Amity University Haryana, Dr. Aseem Chauhan said that the vision of the Founding Father of Amity to make India a Knowledge Superpower by providing world quality education and research in various States of India and in great many countries abroad has been continuing in full earnest. Amity lays a great emphasis on academia industry partnership for accelerated growth of high-quality R&D and for industry and society relevant innovations. He expressed his immense happiness in having Shri Soi at the special convocation that is organized to celebrate his eminence.

Responding to the honour Shri Abhay Soi said, he considers it a matter of high honour to receive the honorary doctorate from Amity University which is engaged in cutting-edge research and innovations that we hold close to our hearts in Max Institute. He further added that India has emerged as a global destination for affordable world quality healthcare covering almost all super-specialties. During Covid-19 pandemic too we have demonstrated India's high resilience and its preparedness to handle a deadly virus, keeping one of the highest recovery rates in world. But we still have a long way to go. We must further strengthen our healthcare infrastructure and R&D base now that we have understood the importance of healthcare in securing a healthy society. As we go forward,



Prof. (Dr.) P. B. Sharma
Vice Chancellor,
Amity University Haryana

MESSAGE FROM VICE CHANCELLOR

Innovation and Creativity have emerged as the major drivers of growth and development of creative economies of nations around the world. The focus of these innovations is to turn creativity into value addition, develop innovated products in a cost-effective manner, create new and innovated applications and in turn create new businesses and new markets. This is the way forward for universities and institutions of higher learning for preparing not just the workforce for tomorrow but also to create enterprising minds in plenty.

Under the visionary leadership of our Founder President Dr. Ashok K Chauhan and inspiring innovative leadership of our Hon'ble Chancellor Dr. Aseem Chauhan, students and faculty at our University are provided ample opportunities to innovate and excel in an educational environment that inspires entrepreneurship and start up development besides making our students industry ready.

University Newsletter 'Chronicle' is an endeavour to reflect on the richness of our campus environment that is gravitating with R&D and Innovations to showcase the innovative and creative potential of our students and faculty. I congratulate entire Chronicle team for bringing out the 11th edition of the University Chronicle.

it would be important for us to focus on 5Ts, i.e. Technology, Talent, Tradition, Trade and Tourism in order to make India a world power in education and healthcare, Shri Soi added.

The President of RBEF and Chancellor Amity University Uttar Pradesh, Dr. Atul Chauhan while congratulating Shri Abhay Soi for his most outstanding contributions to the Healthcare sector said "Shri Abhay is one such leader who always believes that a true leader is one who is always with his team, more so during the highly testing times such as during the Covid-19 pandemic". The glittering ceremony was attended by very many eminent scientists, Vice Chancellors of Amity University campuses, Deans, Heads of the institutions, members of the faculty, officers of Amity and great many inspired minds of students. Dr AK Nagpal, Chairman Amity Medical



Foundation, eminent Surgeon Dr Pradeep Choubey and Trustees of RBEF were among those who graced the ceremony.

The Founder President of Amity Education Group Dr Ashok K Chauhan

congratulated Shri Abhay Soi for accepting the honour of the Honorary Doctorate and said that "Amity is deeply committed to further strengthen the frontal areas of medical research by creating an environment of integration of medical sciences with the multidisciplinary engineering and integrative sciences R&D that is currently being nurtured in Amity Universities in India and in its campuses abroad".

The President of Amity Science Technology and Innovation Foundation, ASTIF, Dr W Selvamurthy presented highlights of front area R&D in the areas of Life Sciences and Biomedical research in Amity University and hoped that the likely partnership in future with Max Healthcare institute shall accelerate further the advancement of cutting edge research in medical sciences.

Presenting the university report at the Special Convocation, Vice Chancellor of AUH Prof PB Sharma said "Our mission at Amity University Gurugram includes, fostering academic innovations, creating an environment of student centric learning, engage our students in creative research and innovations and promoting growth of the university with global quality standards. Towards this end, we have strengthened our research infrastructure and established a strong connect with industry and collaborative ties with leading world class universities".

Considering the importance of integration of physical sciences, life sciences and engineering with medical sciences, at Amity University Gurugram we have established high impact research clusters to nurture super-specialty of health sciences. In this respect we have a vibrant culture of integrative sciences in our research clusters of Cancer Biology, Lipidomics, Data Sciences and Health informatics, Computational Biology, Stem Cell research, Nano Science and Technology, Environmental and Human Health, Vision Science and Optometry and Biomedical Engineering. I am delighted to report that in all these areas we have world class scientists and have created world class research infrastructure, Prof Sharma added.

GO RURAL WITH HIGH TECH MINDS AND SCIENTIFIC SOLUTIONS – AGRI TECH WEBINAR AT AMITY UNIVERSITY HARYANA

At a time when the care and concern for life has taken a precedence over growth and development, it is absolutely necessary to pay an added attention to the essentials for survival that include food and nutrition, potable water and clean air. Naturally so, the Govt of India have initiated several missions in the recent past such as, National Clean Air mission,

Gurujal and Namami Gange and lately provided a great impetus on circular economy that aims at creating an enabling environment for most effective waste management, accelerated production and use of renewable energy and water conservation in all sectors of economy, more so in the agriculture sector that is a major consumer of freshwater. All these would require taking masses on board and penetrate deep into rural India with most modern technologies.



However, on top of all this is the concern for providing a significant boost to rural economy, that besides assuring food security, shall create jobs in millions for the young, inspired minds both in rural as well as in urban India. But then it requires a totally new approach to farming and a rapid growth of high-tech Agri-tech startups in rural India. We need to create an intense urge to "Go Rural with High Tech Minds and with Scientific Solutions" opined Prof P B Sharma, Vice Chancellor of Amity University Haryana while delivering his welcome address at the high impact webinar on "Use of ICT and Youth for Agriculture Development- the Need of the Hour" organised today on 8th April 2021.

Addressing the large gathering of senior scientists, Deans, Head of Institutions, Faculty and Students of Amity University from AUH and 11 different Amity campuses in India, the Principal Scientist of Dr M S Swaminathan Research Foundation Dr N Parasuraman said "A new wave of Green Revolution is on the card with high technology moving towards rural India. We need to empower our farmers with new gen technologies and agri-process as also to have a new impetus to Agri-clinics, agribusiness hubs and food tech parks to reap a rich harvest to rural economy".

The webinar was also addressed by the Chairman of FICCI Task force on AgriTechstartups Shri Hemendra Mathur who said "The participation of rural youth should be given an added focus along with fostering new agritechstartups in rural India". Inspired minds of youth who have knowledge of high technologies and are desirous of creating successful

startups should come forward now that the desired ecosystem for innovation and start up is in place.

The unique feature of today's webinar was the share of success by Shri Sachin Darbarwar, Founder and CEO of Simply Fresh India who after spending 15 years in SW profession returned to India along with his wife Ms Sweta to establish the agri-tech star up that integrates most advanced AI and IT solutions into energy and water efficient, highly productive venture that today has grown to great eminence on 150 acres of precision farming producing farm fresh vegetables along with a wide variety of medicinal plants using hydroponic farming. The produce from such an innovative and smart farming are both safe and of world quality, Shri Sachin Said.

In his words of wisdom at the High Impact webinar, the Hon'ble Chancellor of Amity University Haryana, Dr Aseem Chauhan said "We must look at tomorrow's India that requires a renewed focus on sustainability and jobs. Much of this shall depend upon our ability in the university community to inspire youth to turn towards rural with tomorrow's Agri-tech solutions". Amity University lays a great emphasis on integrative sciences and innovative solutions to today's as well as future challenges, said Dr Chauhan.

Responding to a question on water quality for hydroponic agriculture Shri Sachin said that the quality of water is central to the success of the Agritech startups like Simply Fresh and we pay a great attention to water quality alongside with water conservation. He also opined that the new age agri processes offer a feasible and affordable solution to mitigating the environmental and climate change challenge for the agriculture sector. Responding to yet another question Dr N Parasuraman said the new and innovative solutions are required for coastal areas where water salinity is a major concern and same is the case with food hit areas where abundance of water requires revisiting the agri-technologies.

RESEARCH HIGHLIGHTS -2020

Sr. No.	Particulars	Total No. (2010 to Feb-2021)
1.	Journals Conference Book/Chapter Article/ Newspaper/Magazine etc.	4708
2.	Scopus	1052
3.	R&D Project	69 (Rs. 31.21 Cr.)
4.	Consultancy Project	42 (3.98 Cr.)
5.	Patent Filed	170

BOOKS PUBLISHED


Dr. Padmakali Banerjee (Pro Vice Chancellor & Dean Academics) & Dr. Luxita Sharma (HOD & Associate Professor, Dietetics and Applied Nutrition, Amity Medical School) authored the book titled "A Self Help Guide to Nutrition Wellbeing and Happiness".



Mishra, S. K & Mukherjee, R. (Eds) (2020). Theorizing Sexuality in English Literature, Delhi Upanayan Publications, ISBN 9788194679943



Mishra, S.K, et.al. (Eds) (2020). Revisiting English Romantic Poetry, Delhi Upanayan Publications, ISBN 9788194679929



Mishra, S.K. & Sharma, Priya. Intercultural and Marginalized Voices in Contemporary Literature. Upanayan Publications. ISBN: 978-81-946-799-1-2



Dr. Luxita Sharma, HOD, Amity Medical School



Dr. Luxita Sharma, HOD, Amity Medical School



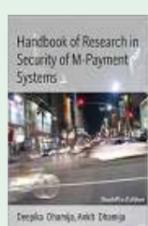
Dr. Machiavelli Singh, Associate Professor, Amity Institute of Biotechnology



Dr. Sanjna Vij, Assistant professor



Labyrinth Walk 7th Sense



Ms. Deepika Dhamija, Assistant Professor, Amity College of Commerce

HIGHLIGHTS OF R&D PROJECTS -2020

Sr. No.	Title of the Project	Name of Dept	Name of Faculty	Funding Agency	Amount
1	Development of rare earth ions doped borate nanophosphors for solid state lighting and radiation dosimetry devices	ASAS	Dr. Ankush Vij	RI Nanotech India	230000
2	Investigating of the role of LncRNAPANDAR in the progression and metastasis of ovarian cancer	AIB	Dr. Amit Pandey	ICMR EMR	3000000
3	System level meta-analysis of Type 2 Diabetes to identify key regulator	AIB	Dr. Alok Srivastava	ICMR	7000000
4	DHR-Identification of Sphingolipid-based Biomarkers for TripleNegative Breast Cancer (TNBC) and Luminal A Patients and their 72 Clinicopathological Correlation" Proposal id (GIA/2019/000170/PRCGIA)	AIB	Dr. Ujjaini Dasgupta	ICMR	4700000
5	A low cost portable microfluidics embedded on chip RT-PCR and microelectrode array coupled point-of care optoelectronic device for large scale screening of emerging viral disease like SARS COV2	AIB	Jaydeep Bhattacharya, Ravi Tandon, Dr. Ranjita Ghosh Moulick, Sameer Gulati, Subrata Sarkar and Souvik Pal,	BIRAC, DBT, Government of India, New Delhi	9000000
6	PG Teaching in Biotechnology (M.Sc. in Biotechnology) approved by DBT for GAT-B national based admissions,	AIB	Dr Rajendra Prasad	DBT for GAT-B national based admissions	15760000
7	Fabrication of Realtime in planta biosensors for presymptomatic detection of heavy metal toxicity	AIB	Dr. Ranjita Ghosh Moulick and Kaustav Bandyopadhyay	DBT, Government of India, New Delhi,	6000000
8	To study the dynamics of sickling inside blood capillary mimicking microfluidic system to fabricate a portable point-of-care electronic device for the detection of sickle cell disease	AIB	J. Bhattacharya, R. Ghosh Moulick and R. Chhabra	ICMRASET	1000000
9	Human lacrimal gland regeneration: a study of the existing technological advancements and development of next generation solutions by tissue engineering and regenerative medicine,	ASET	Dr. Vimal Kishor Singh	SERB	4367888
10	Differential Inhibition of Visfatin-PAK4 as a Novel Strategy in Esophageal Squamous Cell Carcinoma for Therapeutic Purpose	ASCI	Manoj K Kashyap, Dr. Suresh Kr. Kalangi, and Tessa Maliekal	ICMR	4500000
11	Novel drug molecule discovery from Cannabis sativa and their therapeutic use as nanomedicine in pain management and non-healing ulcers had been approved	ASCI	Dr. Suresh Kr. Kalangi	StemMax Pvt. Ltd. India	4000000
12	Identification of biomarker candidate for early diagnosis of myocardial reperfusion injury and recurrence centralizing GSK3 using metanalysis	AIP	Dr. Arun Kumar, Dr Satish Sardana	ICMR EMR	4900000
13	Development of onspot diagnostic kit for COVID19 based on RT-LAMP Integrated CRISPR-Cas technique	AIB	Dr. Saif Hameed	BRNS	1656550
14	DBT-BUILDER Level I.	AIB	Dr. Rajendra Parsad	DBT	30000000
15	A Mass Spectrometric Approach to Unravel the Landscape of Sphingolipids as Major Signaling Determinants of Drug Resistance and Virulence in Emerging Human Fungal Pathogen Candida auris."	AIB	Dr. Rajendra Parsad, Co-PI Dr. Atanu Banerjee, Dr. Ashutosh Singh	DBT	8425600
16	Novel Nanoarchitectures for selective multistep catalysis	ASAS	Dr. Anirban Das	SERB, DST	1980000

ACADEMIC INNOVATIONS 2020-2021

Striding confidently towards sustainable, prolific, evolved, and innovative cognitive pursuits



Prof. (Dr.) Padmakali Banerjee
Pro-Vice Chancellor & Dean-Academics
Amity University Haryana

The year 2021 brought with it the hope of redemption from the pandemic. Four months down the year, we are still fighting the same challenges but with a greater resolve to do even better than before.

Implementations of sustainable practices for achievement of academic excellence have been at the heart of policy implementation of Amity University Haryana. During these times of pandemic, carefully crafted policies have been put into practice to have long term holistic implications in the area of teaching learning.

We aimed at continual improvement in online teaching and made consistent progress in making the process more interactive and engaging. Latest, knowledge-based course material was uploaded regularly for students' learning process and course progression. Online classes proved to be a good platform to recapitulate and provide supplementary knowledge to the students. Faculty too mastered it by introducing interesting and innovative exercises to add value to the teaching learning process.

What appeared like a challenge, initially, was handling of Practical and Lab work. But that saw a smooth transition to virtual mode and, before we knew, things were in total control. Similarly, late admissions, due to pandemic, posed a difficult situation due to the gap which existed between the start of the session and those joining late. The solution, to that, came in the form of a bridge course that brought all students at par.

From the start of the pandemic we fretted over how the students can be given the closest on campus experience. Faculty interaction, student services, mentor mentee, students' campus activities, were some of the areas which seemed arduous tasks in the face of a global crisis. Our faculty and staff

showed steely commitment in resolving all issues. Through LMS we managed enhanced interactions and assessment. Realizing, that students will require greater assistance, online single window system of students' services worked effectively to solve students' queries, whether regarding administrative or academics processes. The single window system not only came forward to providing guidance on case to case basis but also ensured proper compliance and follow-ups with student, faculty, departments and the schools. To provide comprehensive student services, so as to foster learning outcome, students have been constantly motivated and connected through the faculty mentors of the respective Institutions through online Mentor-Mentee sessions, which are integrated in timetable of the respective batches.

To further improve the system, an online Program Management form was introduced for an easy connect between Academic Affairs team and HOIs, HODs, program coordinators and faculty members. This form facilitated a platform for immediate resolution of any area of academic matters.

In the domain of students' activities, students clubs continued to shine and did wonderfully in reaching out to community through various events. Incubation Centre continued to encourage and support innovative proposals and initiatives. There was also a seamless integration of summer training projects with industry during the time of the pandemic. The similar consistency was seen in students' projects with the industry.

Faculty members are at the core of all academic activities. It is a matter of pride for us that our faculty achieved excellence in all areas despite the unimaginable impediments that fogged our vision initially. We crossed every hurdle and continued, unabated, to outperform ourselves. Faculty members, in conjunction with Centres of Excellence, set a new record in the areas of research, publication and innovation. They also kept working on finding more innovative ways to impart knowledge. Online, digital library helped students find abundant reading and reference material for their projects and other cognitive activities.

What made us gleam even brighter was the flawless conduct of examinations. The online and Open Book Examination was conducted without any error and zero glitches. Online Evaluations were held by

evaluators/ checkers for the answer scripts of Open Book Examinations.

Amity has always advocated the paperless office administration; therefore, the transition was effortless. E-copies of 'continuous evaluation' marks were received from concerned schools/ institutes as per the designed system.

Even PhD program across the institutions in the University continued to be conducted, as planned, in terms of conduct of course-work classes, presentations, submission of thesis, final presentations, Viva Voce, in conjunction with external examiners.

To make all our practices more sustainable, faculty development programs were conducted for facilitation of innovative methods of teaching learning. Various webinars were also organized, in copious areas, where distinguished speakers, from across the world, shared their wisdom and expertise.

To offer diversity and variety, skill development workshops were organized in areas, as diverse as, culinary skills, personal investment, fine arts, performing arts, communication and management. A large number of faculty, students and corporate professionals attended these workshops with zeal.

Feedback system is an integral part of academic evaluation processes of Amity University Haryana for overall optimization of teaching learning process and holistic development of students. Feedback encourages critical thinking and develop constructive approach for overall improvement. Adapting online teaching learning was also challenging for parents and students. With Parents' feedback initiative, we got an insight into their concerns and had no hesitation in incorporating their suggestions to improve online teaching and learning.

Our greatest concern has been the wellbeing of our students and faculty. A close network is all we need to dispel each other's fears and worries. We know that personal meetings are neither advisable nor practical therefore, it is important that we are always connected virtually and through other means of communication. We made every effort to stay connected with our students, faculty, staff and all stakeholders. In the end, I would say 'this too shall pass' and we will soon be back to our beautiful and vibrant campus. I wish and hope, that all of you remain healthy, happy and hopeful for a better tomorrow.

WEBINAR ON WORLD METEOROLOGICAL ORGANIZATION (WMO) DAY CELEBRATION

Amity Centre of Atmospheric Science and Technology organised virtual webinar on World Meteorological Organization (WMO) Day Celebration on 23rd March 2021 on the theme "The Ocean, our Climate and Weather".

The webinar was presided by Honorable Chancellor of AUH, Dr. Aseem K Chauhan, who applauded the support of the MoES and IITM, Pune in fostering a new era of scientific research in air quality-health-climate interactions.

Dr. Madhavan Nair Rajeevan, Honorable Secretary, Ministry of Earth Sciences (MoES), Government of India was the Chief Guest and delivered a thought-provoking inaugural address.

More than 200 participants (Government Personnel, Teachers, Research Scholars, Students, Stakeholders and Policymakers) took active part in the deliberations and interacted with the expert speakers. The most path-breaking topics covered in the Webinar included (i) Role of Oceans in Extreme Weather Events (ii) Ocean Circulation, Impacts on Earth System Models (iii) Role of Oceans in Monsoon Variability (iv) Marine Biodiversity, Bioprospecting (v) Marine Pollution/Marine Litter (vi) Ocean Acidification (vii) Ocean Services (viii) Education in Oceanography (ix) Ocean Carbon Chemistry (x) Air-Land-Ocean Coupling (xi) Collaboration with MoES Institutions (xii) Coastal versus Deep Ocean and (xiii) Impact of Oceans on GDP and Green Economy. The response and outcome of the webinar were outstanding and have attracted many researchers and educationists. A Compendium, covering all the details of the speakers, highlights of the deliberations is being prepared.



GUEST LECTURE ON DRONE COMPUTATION

Amity School of Engineering and Technology, Amity University Haryana Organized guest lecture on Drone Computation on 16th December 2020.

Mission Drone of Amity Universe event was organized with the blessings of Hon'ble Founder President Dr. Ashok K Chauhan. Hon'ble Chancellor of AUH, Dr. Aseem Chauhan gave his introductory remark on the intention of this webinar.

Hon'ble Vice Chancellor, Dr. P B Sharma, gave the opening remark and Dr. W Selvamurthy presented a note on Mission Drone and gave the overall picture of past and present status of this mission.

Dr. S N Omkar, Chief Research Scientist, IISc, Bangalore, gave an eventful presentation on Uninhibited Automated Vehicles (UAV), Drone Technology and image processing related to videos captured by UAV and DRONE.

The questionnaire session witnessed 96 questions raised by participants and these questions were ranged across the width and depth of topic covered.

Dr. Padmakali Banerjee, Pro-Vice Chancellor talked about the minor track in Drone Technology as being planned in AUH.

Various collaborative sections were identified as an outcome of this webinar.

(i) Developing Drone lab (ii) Creating a minor track on Drone in the curriculum (iii) Collaborative research in Drone related computations.

Total 450 participant inclusive of students and faculties participated in the session.



WEBINAR ON 'WOMEN, DIVERSITY AND LEADERSHIP'

Amity Skill Institute organized a webinar on Women, Diversity and Leadership' on 22nd March 2021.

The main objective of the event was to deliberate on the subject of 'Women, Diversity, and Leadership'.

Prof (Dr.) Padmakali Banerjee, Pro Vice-Chancellor, Amity University Haryana enlightened the participants on the sustainable global goals which ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

She asked the participants to have a focus on building and upgrading education facilities for the girl child, and provide a safe, gender-sensitive environment for growth. Society should move towards elimination of all harmful practices against girl child and women. Dr. Banerjee also emphasized that women should be empowered in a way that they are able to solve their own problems in their own way. Men and women should come together to achieve this goal of empowerment and move towards unity from diversity.



WORKSHOP ON MENTAL HEALTH AND WELLBEING OF SCHOOL STUDENTS

The role of teachers and school counselors is of paramount importance because of their greater accessibility and contact with students. Amity University Gurugram organised an Online Workshop on Mental health and Wellbeing of School Students for school counselors and senior teachers on 23rd December, 2020.

The main objective of the Workshop was to share knowledge and advance concepts related to counseling and lifeskills for students. One important role of the teacher inside and outside the classroom is to counsel students for their well-being. Covid -19 times has made it even more critical when teaching has moved online. To fulfill this role professionally, teachers need to be equipped with right knowledge and competence in their responsibilities towards their students.

Areas covered in the Workshop included: Assessment of behavioral, emotional, and academic domains in school settings.

Sensitizing School counselors about relevant psycho-social issues and imparting them with appropriate management skills.

Orientation regarding early identification of strengths in students and facilitation of optimism and resilience.



Prof. (Dr.) Padmakali Banerjee, Pro Vice Chancellor, Amity University Haryana chaired the workshop and highlighted the techniques to improve mental health and wellbeing in schools and emphasized on development of optimism and resilience in both teachers and students.



Dr. Rajesh Nair, Director, **Amity Institute of Behavioral and Allied Sciences** and **Dr. Vikas Sharma**, Head of Department, **Amity Institute of Clinical Psychology** shared insights on dealing with challenges of counseling in the school settings. The resource persons also demonstrated the utility of psychological testing and early detection and remediation of problems in schools.



The wellbeing of participants was also analyzed through the LEAP analysis formulated by Prof Banerjee. The analysis facilitated the understanding of self from the perspective of wellbeing.



Mr. Sachin Juneja, Director-Marketing, Amity University Gurugram shared insights about the university and moderated the Q and A Session. The session was interactive and participants gave positive feedback regarding the learning outcomes.

Total 350 participants attended the workshop from more than 75 schools.

ORIENTATION PROGRAMME OF EARTH AND ENVIRONMENTAL SCIENCES STUDENTS

Amity School of Earth and Environmental Sciences welcomed the students with an Orientation Programme. Orientation Day aimed at assisting the new students understand the academic aspects of their



respective programmes. It helped all incoming students to ease their transition into college. Orientation is a way for students to meet other students, become familiar with campus services, interact with their respective faculty members, and with other new joiners' and register for all classes.

The aim of the event was to introduce students to both the academic and social aspects of an institution as they transition from school to college.

The programme was addressed by Dr Kushagra Rajendra, HOD, ASEES and followed by all faculty members of ASEES. New students of MSc and BSc were briefed about the department and institution. The second session of the orientation programme was on "New Era of Online classes" wherein the faculty explained the role of MS Teams and A-LMS for smooth conduction of online classes at AUH followed by ice-breaking session.

A NATIONAL WEBINAR ON ADVANCES IN CANCER BIOLOGY: BASIC TO TRANSLATIONAL RESEARCH

Amity Institute of Biotechnology and Amity Institute of Integrative Sciences and Health organized National Webinar on Advances in Cancer Biology: Basic to Translational Research.

The main objective of the webinar was to explain about Cancer which is a life threatening disease and the second leading cause of death worldwide. In the recent past extensive efforts have been geared toward cancer research and clinical manifest, but it is still challenging and needed extensive research to gain therapeutic outcomes. At an early stage it is a undetectable and asymptomatic disease and is difficult to predict due to poor prognostic biomarkers. Cancer therapeutic has the lowest success rate and high mortality worldwide and incidence of cancer is increasing the burden in the society day by day. Therefore, it is important to understand the biology of cancer and essential cellular mechanism, which can influence basic research. With this in mind the webinar was conducted to impart the knowledge and learn about the updates about advances in Cancer Biology from Basic to Translational Research. This interactive forum provided a common platform for exchange of new knowledge, ideas to conceptualize progressive research to battle cancer.

The distinguished scientists at the webinar were Shanti Swarup Bhatnagar Awardee Prof. Gopal C. Kundu, Former Director-In charge & Scientist G, NCCS, Pune Director R&D, School of Biotechnology, KIIT, Bhubaneswar; Dr. Sanjay Gupta, Scientist G, Cancer Research Institute (CRI), Advanced Centre for Treatment, Research and Education in Cancer (ACTREC), Tata Memorial Centre, Mumbai; and Dr. Santosh Chauhan, Scientist -E and Wellcome-DBT Intermediate Fellow and EMBO Global Investigator, Institute of Life Science, Bhubaneswar.

Prof. Gopal C. Kundu briefly talked about advances on the knowledge on Breast Cancer heterogeneity and nano-particle based drug delivery for understanding the Tumor Heterogeneity and Development of Multi-targeted Therapy in Breast and other cancers. Dr. Sanjay Gupta explained the Epigenetic alteration in gastric cancer and their potential clinical applications by using HDAC inhibitor. Dr. Santosh Chauhan nicely addressed the crosstalk of Autophagy and Inflammation in cancer with clinical significance.

Total 90 students, 50 faculties and 36 student and faculties from various other institutes participated in the national webinar. Overall it was very informative and interesting for all attendees.



NATIONAL WEBINAR
Advances in Cancer Biology: Basic to Translational Research
 DATE: OCTOBER 30, 2020 (FRIDAY) TIME: 4.45 - 7.15 PM

SPEAKERS:
 Prof. Gopal C. Kundu, Former Director-In charge & Scientist G, NCCS, Pune
 Dr. Sanjay Gupta, Scientist G, Cancer Research Institute (CRI), Advanced Centre for Treatment, Research and Education in Cancer (ACTREC), Tata Memorial Centre, Mumbai
 Dr. Santosh Chauhan, Scientist -E and Wellcome-DBT Intermediate Fellow and EMBO Global Investigator, Institute of Life Science, Bhubaneswar

CHAIRMAN:
 Prof. Rajendra Prasad, Dean, Faculty of Science, AUH

CONVENOR:
 Dr. Chandramoni Patil, Director, IIS, AUH

PANELISTS:
 Dr. Garg Bagoti, Assistant Professor, IIS
 Dr. Anil Kumar Pandey, Assistant Professor, IIS
 Dr. Ujjwal Dasgupta, Assistant Professor, IIS

ORGANISERS:
 Dr. Anand Kumar, Assistant Professor, IIS
 Dr. Manoj Singh, Assistant Professor, IIS

AMITY INSTITUTE OF BIOTECHNOLOGY
 AMITY INSTITUTE OF INTEGRATIVE SCIENCES AND HEALTH

INTERNATIONAL WEBINAR BY THE MAINZ FUTUROLOGIST AND STRATEGIST DR. MANFRED KERN, AGRI EXCELLENCE (GERMANY) TO CELEBRATE THE WORLD FOOD DAY 2020

Amity Institute of Biotechnology, Amity University Haryana organized International Webinar on Plant based Protein by 2025/2050. This was in account to celebrate the World Food Day 2020 held on 16th October.

The webinar was organized in collaboration with International Foundation for Sustainable Development in Africa and Asia (IFSDAA); African Asian Studies Promotion Association (AASF) – Germany; and Society for Sustainable Agriculture & Resource Management (SSARM) – India. Prof. R. K. Behl, Global Coordinator IFSDAA/ SSARM also joined as panelist in the webinar virtually from Jagan Nath University, Bahadurgarh, Haryana.

The objectives of the webinar was to provide in-depth information regarding current and future scenarios of agriculture, food, environment and health related issues including challenges and perspectives on plant based protein by 2025/2050.

More than 538 scientists, faculty members, research scholars, BSc, MSc students from regional universities and policy planners from Asia, Africa and Europe registered for the webinar.



FUNDED PROJECTS, PUBLICATIONS & PATENTS



Good News

- Dr. GK Rao of ASAS published in "Coordination Chemistry Reviews" Science Direct, Impact Factor 15.367, Volume 438, July 2021.
- Earlier also - Dr. Arun Kumar Sharma of AIP (Impact factor 13.2)
- Dr. Ravi Dutt Sharma and Dr. Ujjaini Dasgupta of AIB (Impact Factor 12.9)
- Dr. Ujjaini Dasgupta of AIB (Impact Factor 12.8)
- Dr. Ravi Dutt Sharma of AIB (Impact Factor 12.804)
- Dr. Amit Kr Pandey of AIB (Impact Factor 11.09)

FUNDS FOR IMPROVEMENT OF S&T INFRASTRUCTURE - New



DBT Builder Programme 2020 3.0 Cr



RESEARCH FUNDING 1.23 CRORE



FUNDS FOR IMPROVEMENT OF S&T INFRASTRUCTURE - New



DBT for GAT-B National Program (MSc Biotechnology)



Sanctioned Amount: 1.33 Cr
Duration : 5 Years

PI-Dr Rajendra Prasad

CENTRES OF EXCELLENCE In Areas of High National and Global Relevance



- Amity Centre of Robotics & Artificial Intelligence
- Amity Centre for Nano Science & Technology
- Amity Centre for Big Data and Computational Biology
- Amity Centre for Lipidomics
- Amity Centre for Manmade and Natural Disaster Control (ACMNDCC)
- Amity Centre for Air Pollution Control (ACAPC)
- Amity Centre for Ocean Atmospheric Science and Technology ACOAST
- Amity Centre for Financial Analytics
- Amity Centre for BRICS STUDIES

- Kiran Mazumdar Shaw Centre of Affordable Innovation
- Amity-GE Healthcare Centre of Excellence
- AYUSH-Amity Herbal Garden and Amity Centre for Drug Design and Discovery

- Nobel Laureate Kailash Satyarthi Centre for Child Rights & Development
- Nobel Laureate Yunus Social Business Centre (AUH-YSBC)
- Amity Centre of Excellence in Indic and Sanskrit Studies

THE CANCER RESEARCH CLUSTER

HIGHLIGHTS

- Research: Gargi Bagchi: Hormone Signaling and Cancer; Amit K Pandey: Noncoding RNA and Cancer; Ujjaini Dasgupta: Breast Cancer; Munindra Ruwali: Head and Neck Cancer
- PhD students: 9
- Ongoing projects: 11
- Papers published: 10
- MS in preparation: 5
- Grants applied: 5
- Patents: 4

International network developed:

- Curie Institute, Paris
- Shemyakin-Ochinnikov Institute of Biorganic Chemistry of the Russian Academy of Sciences, Moscow, Russian Federation
- Cancer Science Institute of Singapore

LIPIDOMICS RESEARCH CLUSTER

HIGHLIGHTS

- Research: Rajendra Prasad: Fungal drug resistance; Ujjaini Dasgupta: Cancer biology; Zeeshan Fatima: Mycobacterium infection and MDR; Nital Debnath: Plant nanotechnology
- PhD students: 8
- No. of ongoing projects: 10
- No. of papers published: 15
- No. of MS in preparation: 10
- No. of grants applied: 5

Workshop/short-term course:

Amity Lipidomics Research Facility (ALRF), AIB and SCS, Gurugram, Haryana organized the first Short-term Course on "General Principles of Lipidomics and Proteomics" from 25 to 29 March 2019 at Amity University Haryana. Webinar based workshop on "General Principles of Lipidomics and Proteomics" from 13 to 14 October 2020.

Network developed: IIS, ICM, NIS, ICS, NPUR

DATA SCIENCE AND COMPUTATIONAL BIOLOGY RESEARCH CLUSTER

Research:

- Alok Srivastava: DS and System Biology
- Sanyasidip Khande: DS and Genomics
- Ravi D Sharma: DS and Computational Biology
- Aresh Prakash: DS and MD Simulation
- Shukri Bilal: DS and Modeling Infectious Diseases

PhD students: 11	No. of ongoing projects: 11	No. of grants applied: 3
No. of MS in preparation: 12	No. of papers published: 24	Network developed: IIS, ICM, NIS, ICS, NPUR

INFECTIOUS DISEASE RESEARCH CLUSTER

Research:

- Prof. Rajendra Prasad: Fungal drug resistance
- Dr. K. M. Saha: C-di-AMP signaling in Mycobacterium
- Dr. Zeeshan Fatima: Mycobacterium infection and MDR
- Dr. Saf Hameed: Matching resistance in pathogenic fungi
- Network developed: IIS, ICM, NIS, ICS, NPUR, IIS

Research and publications (16)
Competitive research funding (4)
National and international collaboration (9)
Workshops and conferences (3)
Ph.D. students (16)
Reflexivity in things differently

INTERDISCIPLINARY RESEARCH CLUSTERS "Driving the agenda for integrated of Science and Multidisciplinary Engineering"



RESEARCH CLUSTER - NANOSCIENCE & NANO TECHNOLOGY

Center of Excellence:

- Center of Robotics and AI
- Research Project Submitted to: Facebook/Google Computer Vision for Global Challenge (ISRI) (SNAP)
- Internet for Development (I4D) IGF Asia 2019
- Child Health Foundation-Innovative Small Grants Program

Programs:

- M Tech - M Tech (MBA)
- M Tech (IIS)

Major R&D Projects:

- Amig: Humanoid Robot, Human Imitating Robotic Arm, Smart Drones, Smart Medicine Box, Smart Irrigation System, Smart Parking System, Home Automation System and EVM.
- Events Organized/Planned: Robothon (an Annual and Innovation Day) 2019; Robocon and Robocon (an Annual) 2019; FDP on AI and ML, planned in Dec. 2019

MEMBERS: S.N. Singh, Sandeep, Vikas Thada, Manoj Prasad, Chenu Jain

RESEARCH CLUSTER ROBOTIC, ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Center of Excellence:

- Center of Robotics and AI
- Research Project Submitted to: Facebook/Google Computer Vision for Global Challenge (ISRI) (SNAP)
- Internet for Development (I4D) IGF Asia 2019
- Child Health Foundation-Innovative Small Grants Program

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MEMBERS: S.N. Singh, Sandeep, Vikas Thada, Manoj Prasad, Chenu Jain

RESEARCH CLUSTER DRUG DISCOVERY & HERBAL DRUG DESIGN

Research:

- Arun Kumar Sharma, et al. "Hydrogel nanotubes with six helices as exotic nanostructures for diabetic wound healing", Material Horizons, IF: 12.5
- Sharma AK, Thakuracharan PC, Bhatia S. The signaling intensity of GSK-3β in myocardial disorders. Drug Discov Today. 2020 Apr;25(4):423-442, IF: 4.5.

Publications: 22	Patents: 23	Projects: 01	Books: 02	Book chapters: 03
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RESEARCH CLUSTER ENVIRONMENTAL & HUMAN HEALTH

RESEARCH HIGHLIGHTS

Patents Filed:	06
Research Papers Published:	115
Manuscripts Under Preparation:	16
Book Chapters Published:	07
Projects Ongoing:	10
Projects Applied:	06

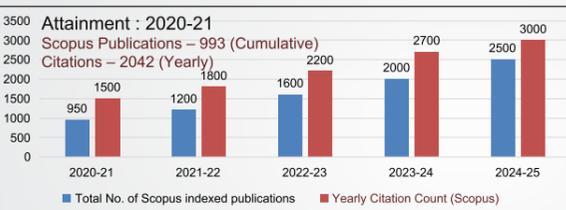
RESEARCH AREAS:

- Environmental Pollution Monitoring, PM & Proximal Gases
- Environment & Human Health Interface
- Green Initiatives
- NASA Approved Aerosol Monitoring, UPM

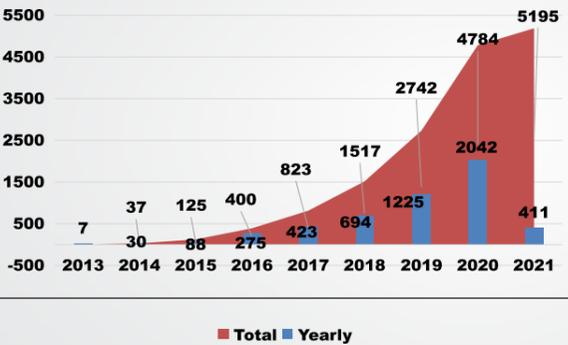
ACADEMIC PROGRAMS OFFERED/UNDER DEVELOPMENT:

- Master Degree in Environmental Science & Engg.
- M. Sc. Earth Sciences
- M. Sc. Environmental Sci and Mgt. MPhil in Climate Sci
- PhD in Environment and Human Health

SCOPUS PUBLICATIONS AND CITATION - TARGETS



CITATION COUNT (SCOPUS)



FUNDED R & D PROJECTS



INVENTION: An antimicrobial face mask using nanoparticle coating
PATENT APPLICATION NO.: 202011017740 filed in India on 25/04/2020

INVENTORS: Arvind Chhabra, AUH; Monika Vats, AUH; Neha Kuhar, AUH; Shatendra K. Sharma, AUH

ABSTRACT OF INVENTION: We have developed a three-layered reusable, biodegradable, anti-microbial face mask. The middle layer is coated with nanoparticles exhibiting anti-microbial properties. The two layered scaffolds will house the middle layer, which could be used with washing or replaced with new filtration assembly. The face-masks that are in use today are either surgical masks that do not protect against infectious agents or are not reusable, and leave carbon foot print on the environment. Further, the masks thrown in trash by asymptomatic patients could further contribute in the spread of the virus. The face mask we have developed is reusable, biodegradable, and has anti-microbial properties. It could also be upgraded to N95 grade and can be used to filter out particulate materials to protect against air pollutants.



INVENTION: A method for preparing nano-composite antimicrobial polymers for manufacturing respirator mask
PATENT APPLICATION NO.: 202011031429 filed in India on 22/07/2020

INVENTORS: Preeti Thakur, AUH; Atul Thakur, AUH; Pritam Babu Sharma, AUH

ABSTRACT OF INVENTION: This invention relates generally to nano-composite materials which are used to make respiratory masks. It relates to an improvement in composition of respiratory masks which are prepared by using antimicrobial polymers for injection molding or three-dimensional printing. These are used to make three-dimensional printer cartridge with the antimicrobial properties to produce the respiratory masks. The material is hydrophobic in nature, recyclable, reusable and non-toxic.



INVENTION: Nasal spray with Boswellia Serrata based compositions and method thereof
PATENT APPLICATION NO.: 202011037227 filed in India on 28/08/2020

INVENTORS: Saurabh Bhatia, AUH; Pritam Babu Sharma, AUH; Ahmed Al-Harrasi, UoN

ABSTRACT OF INVENTION: Chronic Rhinosinusitis is characterized by chronic inflammation of the sinonasal mucosa and is clinically associated with sinus pressure, nasal congestion rhinorrhea, and a decreased sense of smell persisting for greater than 12 weeks. This invention relates generally to a novel composition and preparation method thereof for the treatment of Chronic Sinusitis, and particularly the nasal spray with Boswellia Serrata exudate based compositions and method thereof. Development of Boswellia Serrata exudate loaded nasal spray can not only offer anti-inflammatory and analgesic effect but also relieve symptoms to improve quality of individual with minimum side effects.



INVENTION: A head gesture-controlled wheelchair system
PATENT APPLICATION NO.: 202011033725 filed in India on 06/08/2020

INVENTORS: Kiran Somiseti, AUH; Rohit Phogat, AUH; Khushboo Tripathi, AUH

ABSTRACT OF INVENTION: The present invention relates to a head gesture-controlled wheelchair system. It pertains a sensing system for controlling movement of a wheelchair, which includes a micro-controller to actuate the movement of the wheelchair; an electric motor adapted to move the wheelchair on receiving signal from the micro-controller; a head wearing unit having an accelerometer sensor; a solar panel for providing solar power supply to the whole electronic components. Further, the accelerometer sensor is configured to provide input to the micro-controller.

PATENTS FILED/ PUBLISHED



INVENTION: A system and method of L-DOPA response prediction for Parkinson's disease using machine learning approach

PATENT APPLICATION NO.: 202011015184 filed in India on 06/04/2020

INVENTORS: Haziq Rahat Bullah, AUH; Ritika Agarwal, AUH; Abhishek Prabhakar, AUH; Aman Jatani, AUH; Shalini Bhaskar Bajaj, AUH

ABSTRACT OF INVENTION: The unresolved absence of any substantial biomarkers in the robust prediction of levodopamine response in Parkinson's disease further makes the problem significantly impending. The present study intends to develop a robust prediction model to predict the L-Dopa drug response in PD using machine learning approaches. The current study comprised of 28 Parkinson's disorder subjects with conclusive preclinical and clinical assessments done in the Levodopa response trial study by the MJFF foundation for Parkinson's research. The task was identified as a classification task which further employed four supervised machine learning classification algorithm for data analysis. The decision tree (classification and regression trees) classification accuracy was 88.89% (area under receiver operating characteristics curve 0.9) for predicting levodopamine response. The presence or absence of the symptoms along with Unified Parkinson's Disease Rating Scale (UPDRS) scores and Hoehn and Yahr scale (H and Y) scores were recognized as the most distinguishing feature subset. The present research stipulates the indispensable prefatory encouragement to the adaptive advancement of decision trees as an illuminating technique that can facilitate in predicting the treatment response in Parkinson's disorder, however an extended effort is necessary to stipulate efficient predictive performance.



INVENTION: A method providing spliced transcripts of CERS2 gene to alter the level of ceramides to effect tumor regression

PATENT APPLICATION NO.: 202011011239 filed in India on 16/03/2020

INVENTORS: Ujjaini Dasgupta, AUH; Ravi Datta Sharma, AUH

ABSTRACT OF INVENTION: An exon skipping event in Ceramide Synthase 2 gene that codes for very long chain ceramides identified from breast tumor tissue samples can be used as a biomarker/diagnostic marker. The focus is to use it as a therapeutic intervention.



INVENTION: A method for preparing an advanced graphene and natural silk reinforced epoxy composite materials

PATENT APPLICATION NO.: 202011035994 filed in India on 20/08/2020

INVENTORS: Sanjeev Sharma, AUH; K. N. Sanjeev, AUH; Pritam Babu Sharma, AUH; Abdel Hamid Ismail Mourad, AUH

ABSTRACT OF INVENTION: The invention deals with the development of the novel advanced composite material involving epoxy resin as matrix and reinforcing with graphene and natural silk suitable for structural applications in wind turbine blades, aircraft wings and bullet-proof vest. Graphene and natural silk fiber have been used individually in polymer composites but these have never been used in combination for development and application of epoxy based composite at low cost. Hence, Hybridization of Graphene and natural silk fibers to reinforce epoxy-matrix composites is being conceptualised and developed which can result in high performance advanced composite material for structural application with high impact strength and toughness but light in weight. This invention provides a composite material that will have lower weight but at the same time higher strength and stiffness.



On entering the 110-acre campus of Amity University Haryana you are greeted by the lush green forest and the beautiful hills of Aravali that nestles the campus in its folds. The flora and fauna, the crisp air and the thoughtfully created infrastructure, which is Platinum Leed certified, make this campus beautiful, convenient and unique.

As you enter the main gate your eyes are instantly gravitated to the decades old Banyan tree which in itself is legendary and a witness to many tales of success, victory and joy.

Not very far from the legendary Banyan tree is the Hostel Plaza. The most happening place on the campus, it is surrounded by three magnificent hostel blocks for boys and girls.

The same hostel plaza also boasts of numerous delectable food options and eateries. There also is a hostel mess and the meals available there taste closest to what one gets at home!

Another very important feature of the Hostel Plaza is the Departmental Store where all the utility and the daily need items are available.

The Sports Complex within the campus includes facilities for all kinds of sports such as Basketball, Cricket, Tennis, Badminton, Volleyball, Football and Athletics. A morning jog around the football field is a delightful way to kickstart the day.

AUH aims at transforming its vibrant campus into a 24x7 nurturing cradle for constant involvement of its faculty and students in various cultural, social and academic activities that foster continual growth. From more cultural activities like acting and dancing, to social reach like teaching the underprivileged children of the slums and social welfare, extracurricular groups like various clubs within the campus not only help students to make friends, but also help them to evolve in their area of interest and choice.

The state-of-the-art Central Library is the perfect place to maximise the impact of self learning hours. It is a treasure-trove for thousands of journals, books, reference books and research publications for self learning and research projects.



AMITY UNIVERSITY GURUGRAM IS A PREMIER INSTITUTE WITH STATE-OF-THE-ART FACILITIES THAT MAKES THE CAMPUS A HEAVEN FOR EDUCATION, SELF-DEVELOPMENT, ENJOYMENT & GROWTH.

From organic farming of spices and herbs to delicious fruit bearing trees, one can find diverse varieties of nature's treasure trove in the Herbal Garden, just a few metres away from the Sports Ground. Being an eco-friendly and vegetarian campus, AUH encourages and uses organic and natural products here.



The Academic Blocks have four magnificent buildings replete with a beautiful infinity fountain adorning the centre of these blocks and outlining the modern architecture of the campus. More than 100 Science, Research and Innovation labs are a part of the Campus providing the latest experimental research facilities.

The cutting-edge Television Studio is an example of experiential learning. Here students of journalism engage in a whole range of studio and outdoor productions. Their work comprises of News Bulletins, Discussions based on Current Affairs and Documentaries.

For aspirants who love debate and are proud of their logical skills, Amity Law School houses the Moot Court, where students gain practical experiences of legal court cases and real exposure of our legal system.

At AUH innovation is the religion. Its Robotic Lab has become the breeding ground for many inventions. The first of its kind, AmiBot was created here by Amity's students. It is a smart Robot that reduces labour and increases efficiency.

The students of Amity University Gurugram have also created a Solar Car and an AMIGO QUADCOPTER! These are just a few of the many achievements of AUG students.

All students undergo 7-days Military cum Leadership Training Camp held at Amity University Gurugram to imbibe the value of discipline and a spirit of patriotism, commitment and perseverance by participating in a variety of activities like parasailing, trekking, shooting, rock climbing/rappelling, etc. which test their mental and physical agility. Students are trained by veterans of the armed forces.



STUDY LEARN PLAY LIVE GROW

- **Amphitheatre style** & air-conditioned classrooms
- Well-equipped **syndicate rooms**
- **200+ state-of-the-art labs** & studios
- **Guest lectures, industry visits**
- **Modern Library** with more than 50,000 books
- Compulsory **Military Training**
- **State-of-the-art auditoriums**
- More than **30 Student Clubs**
- Comprehensive **hostel facilities for 2100 students**
- **20-acre** sports complex
- **On-campus cafeteria**
- **Placements** in leading corporates



“The support and motivating guidance by ALS in particular and AUH, in General, channelized my purpose and objective to make law in the country accessible, transparent and coherent.”

MAYANK SHEKHAR
B.A. LL. B. (Hons.)
2013-18
Founder – Legal Bytes



“Today, although I am a VP, but fundamentals and concepts taught by faculty at Amity University Gurugram play a key role while taking strategic corporate decisions.”

SUMIT BHALLA
MBA (2003-2005)
Associate Vice President, Mercer
Consulting (India) Pvt. Ltd

MRNA VACCINE AGAINST COVID-19 - WILL IT BE SAFE AND EFFECTIVE?

The unprecedented spread of COVID-19 across the globe has caught the world totally unprepared. The past year, i.e. 2020 saw scrambling of researchers to find methods to cope up with the prevailing pandemic. Scientists are racing to develop and deploy safe and effective vaccines. Vaccines save millions of lives each year. Vaccines work by training and preparing the body's natural defences to recognize and fight off the viruses and bacteria they target. If the body is exposed to those disease-causing germs later, the body is immediately ready to destroy them, thereby preventing illness. In the past, vaccinations made from live or heat killed virus have been proven to be a boon against infectious diseases such as Polio and Measles. But these methods of vaccine development have not been successful in recent viral diseases such as Zika and Ebola. Hence based on the history of curing such diseases, developing an effective vaccine seems to be the most viable solution to fight COVID19.

Among various methods of making an effective vaccine, the genetic material of viruses which are either DNA or RNA targeting nucleic acids have emerged as a promising method. Currently two types of RNA are being used as vaccines; one is the non replicating mRNA and the other one is derived from virus as self-amplifying RNA. Messenger RNA (mRNA) is formed from DNA by the process known as transcription and is the intermediate step between translation of DNA to protein by ribosomes. Scientists have explored the use of mRNA as vaccine as it has many advantages such as it is non-infectious and there is very less or no chance of mutation. Although the half-life of mRNA is very less but it can be stabilized using various modifications and delivery methods.

Currently all the researchers and pharma companies are involved in making vaccines and as a result many promising vaccines are in the horizon which are undergoing phased clinical trials. The vaccine from

Pfizer-BioNTech, BNT162b2 has been proven to be effective against COVID-19 and currently UK, USA and other countries have started their vaccination programme. It is a lipid nanoparticle-formulated, nucleoside-modified RNA vaccine that encodes a prefusion stabilized, membrane-anchored SARS-CoV-2 full-length spike protein. The other mRNA-based vaccine mRNA-1273 has been developed by Moderna, a USA based company and the vaccine has shown efficacy of 94.5% in phase 3 trial. In India Gennova Biopharmaceuticals, a Pune based pharma company in collaboration with HDT Biotech Corporation, Seattle, USA has developed an mRNA-based vaccine designated as HGCO19 which contains a short, synthetic version of mRNA encoding the spike protein (antigen) of the novel Coronavirus and is associated with the 'lipid inorganic nanoparticle (LION) and acts as mRNA vaccine delivery system. HGCO19 which is showing great immunogenicity has been cleared by the Government for phase 1 clinical trials.

According to World Health Organisation (WHO) there are currently more than 50 COVID-19 vaccine candidates in trials. WHO is working in collaboration with scientists, businesses, and global health organizations through the ACT Accelerator to speed up the pandemic response. When a safe and effective vaccine is found, WHO through COVAX will facilitate the equitable access and distribution of these vaccines to protect people in all countries. People most at risk will be prioritized. While we work towards rolling out a safe and effective vaccine fairly, we must continue the essential public health actions to suppress transmission and reduce mortality.

Some people are also against this vaccination and have also started anti-vaccine groups in social media platform. This is because a lot or a great deal of false or misleading information about COVID-19 has been put on social media platforms.

As the chapter closes on the first year of the COVID-19 pandemic, drugmakers are working hard to bolster the defences mounted in 2020 and they're looking at new formulations and delivery methods to bring vaccines and therapies to more people around the world. Can follow-up shots ease the harsh cold chain requirements for mRNA vaccines? Could supplies be extended with a vaccine that works at one dose rather than two? And could COVID-19 meds be improved by targeting the site where the disease hits the hardest? These are just a few of the questions driving drugmakers and research institutions as they toil away on the next generation of Coronavirus meds and vaccines. Let us hope that the future will bring hope, happiness, good health and yes, most importantly, safe vaccine!

Contributed by:



Prof. (Dr) Rajendra Prasad
Dean, Faculty of Science Engineering and Technology
Director, Amity Institute of Integrative Sciences and Health Director, Amity Institute of Biotechnology



Dr. Amit Pandey
Assistant Professor
Amity Institute of Biotechnology

ORGANIC FOOD AND CONSUMPTION OF PESTICIDES IN INDIA



Dr. Samridhi Lal and Dr. Satish Sardana
Amity Institute of Pharmacy, Amity University, Haryana

Pesticides and related chemicals are commonly used in agriculture settings for pest management. It has been reported that every year around 2.4 million tons of pesticides are used worldwide. However, long-term exposure to pesticides can lead to chronic diseases including diabetes and cancer.

People get exposed to pesticides by eating food containing residues of pesticides. Several epidemiological studies have reported links between pesticide exposure and cancer and there is a need to regulate the use of pesticides by crop producers. For instance, Malathion used during the production of crops and vegetables such as brinjal and tomato has been reported to cause malignancy in rats. Additionally, it has also been classified as a probable carcinogen for humans by World Health Organisation. Similarly, organochlorine-based pesticides such as Aldrin, DDT and Dieldrin which are still used in developing countries, have been found carcinogenic in animal studies.

Synthetic pesticides are useful in increasing the yield of crops however, the undesirable effects are in plenty as well. Pesticide residues remaining in food grain could be harmful and may cause various acute and chronic illnesses including neurological and cardiovascular problems. For instance, some studies have found positive association between Atrazine and Malathion exposure with thyroid cancer. Furthermore, paternal exposure to pesticides is long been reported to be associated with childhood leukaemia and brain cancers. Thus, appropriate educational programmes should be launched to educate agricultural producers to prevent overuse of pesticides. The impact of pesticides on environment is also a major concern and needs urgent attention. For instance, contamination of water bodies can affect both humans, animals as well as aquatic life.

In 2015, Government of India launched Paramparagat Krishi Vikas Yojana (PKVY) to check the excessive use of pesticides. The scheme encompasses various approaches to produce organic food through sustainable methods without using synthetic pesticides. Additionally, the scheme also offers various training programmes for farmers for the development of sustainable models of organic food production.



Organic farming offers several advantages over conventional farming.

For instance, organic farming is sustainable and uses natural compost obtained from cow dung, vegetable wastes and plant residues. Further, cow dung manure and vermicompost increase soil fertility, water holding capacity and minimise the chances of pathogenic infections in plants. Additionally, manure contains significant amount of nutrients including Nitrogen, Phosphorus and Potassium which keep the plants healthy.

According to a report of Ministry of Agriculture and Farmers Welfare, Government of India, in the year 2018-19 the total consumption of synthetic pesticides in India was 53.45 thousand tonnes (Figure 1).

Further, during 2019-20, the consumption of synthetic pesticides was highest in Maharashtra and Uttar Pradesh among other states and union territories (Figure 2).



Figure 1

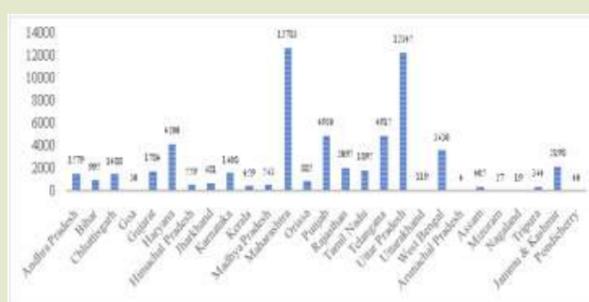


Figure 2

The consumption of chemical pesticides is quite high compared to biopesticides (Figure 3) although many states are promoting organic farming in India. For instance, Sikkim and Meghalaya are 'organic states' of India where farming is performed without synthetic pesticides. Sikkim was the first state of India to adopt organic farming from 2003 to ensure healthy living and environment protection. However, consumption of synthetic pesticides in other states needs immediate attention by regulatory authorities to avoid soil infertility and chronic disorders in people.

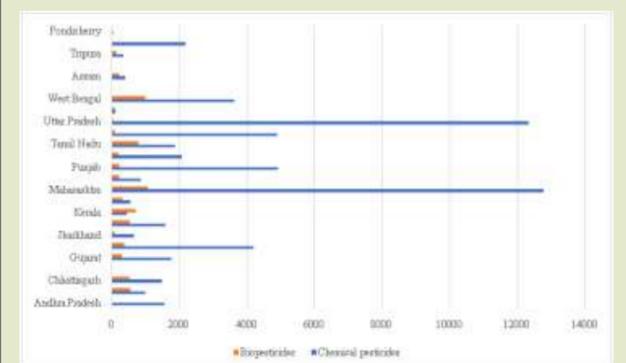


Figure 3

Organic food provides an overall protective mechanism against synthetic pesticides and lowers the probability of ailments. Additionally, organic animal husbandries reduce the risk of development of antibiotic resistance in people. Summing up the discussion, organic farming is environmentally sustainable and has health benefits over conventional farming which uses toxic synthetic chemicals. Thus, organic diet can significantly help in improving the health of people while reducing the impact on environment.

- Freeman LE, Rusiecki JA, Hoppin JA, et al. Atrazine and cancer incidence among pesticide applicators in the agricultural health study (1994-2007). *Environ Health Perspect.* 2011;119(9):1253-9.
- Lerro CC, Koutros S, Andreotti G, et al. Organophosphate insecticide use and cancer incidence among spouses of pesticide applicators in the Agricultural Health Study. *Occup Environ Med.* 2015;72(10):736-44.
- Daniels JL, Olshan AF, Savitz DA. Pesticides and childhood cancers. *Environ Health Perspect.* 1997;105(10):1068-77.
- Statistical database (2020). Ministry of Agriculture and Farmers Welfare. Government of India.
- Lu C, Toepel K, Irish R, Fenske RA, Barr DB, Bravo R. Organic diets significantly lower children's dietary exposure to organophosphorus pesticides. *Environ Health Perspect.* 2006;114(2):260-3.
- Forman J, Silverstein J, Nutrition Co, Health CoE, Pediatrics AAO. Organic foods: health and environmental advantages and disadvantages. *Pediatrics.* 2012;130(5): 1406-15.

FROM HANDS-ON TO VIRTUAL: SKILL DEVELOPMENT DURING THE TIME OF PANDEMIC.



Dr. Reena Nigam
Associate Professor, HOD, **Amity Skill Institute**,
Amity University Gurugram

Contrary to the belief that online classes will hamper skill development initiatives, the last academic year proved to be an interesting and innovative year for Amity Skills Institute. We were skeptical about students' participation during online skill development sessions, but, to our surprise, we found overwhelming response from them. We came up with interesting topics like creative arts, culinary skills and photography and students participated with great zeal.

Amity Skills Institute made two new collaborations. We signed MoUs with Media and Entertainment Skill Council and Institute of Company Secretary of India. Media and Entertainment Sector Skill Council has been regularly organizing workshops on Singing, acting, voice modulation, photography and visual arts, by the top-rated experts from the industry. Our media students have the access to these workshops which provides great learning and exposure to them. Similarly, Institute of Company Secretary has a rich resource of knowledge which is going to benefit our students immensely.

ASI also organized FDPs and MDPs on communication, Time management and Stress Management. Mainly targeted towards our Non-Teaching

Staff, these workshops gave them an insight into management and positive attitude.

Even during this difficult time, we were able to complete the 5th batch of Surya Mitra skill Development programme in New and Renewable Energy. Thanks to the presence of internet, in even the rural areas, we were able to conduct online classes for our Suryamitras. Not only the classes were conducted successfully, the candidates also appeared for online assessment exams and got the coveted certificates. Due to the partial closure of Skill sector, it was a difficult task but, the commitment and dedication shown by faculty and head of Solar Department took us through to the finish line. Many of Suryamitra candidates have received job opportunities too.

Amity Skills Institute is also privileged to have skill coordinators from various schools. These coordinators have been extremely helpful in providing us with the right support. We continued to be in touch with them and often brainstormed for new ideas. It is with their support that we could organize successful events. One of such events was organized with Amity Institute of Pharmacy. A half day webinar was a boon for new admissions who were trying to understand the pharma industry.

It has been our tradition to organize event on the occasion of International Women's Day. This year too, various events were organized with the help of students, institutes and faculty. This year the celebrations continued for the entire month of March and concluded with a webinar on '**Women, Diversity and Leadership**'. We were fortunate to hear the two eminent speakers on the

subject. Pro Vice Chancellor, Dr Padmakali Banerjee, under whose guidance the webinar was conducted, spoke about the UN sustainable goals related to women. Prof U.N. Singh, Dean of Arts, spoke about the role of women, through ages, in Indian Society,

We are positive that in future also we will continue to evolve and bring even more on the Skill front. We have many plans for the coming months that comprises trainings, seminars and FDPs.

If we look back the following would sum up ASI's endeavours in the last academic year:

1. Meaningful collaborations with the industry
2. Successful conduct of Training workshops in diverse subjects for students, staff, and faculty
3. Creating Students' connect through various events

AMITY UNIVERSITY GURUGRAM
HAS BEEN RANKED

TOP PVT.
UNIVERSITY OF HARYANA
BY INDIA TODAY



CAMPUS TO CORPORATE – JOURNEY OF LIFELONG LEARNINGS



Mr. Manoj Sahni
Director, Corporate Resource Centre and
Head Industry Integration, Amity University Gurugram

Campus to corporate is a life-changing transformation, and while it is possible that you may go back to studying for a while, it marks the beginning of your adulthood. It is a life transition that is exciting because you get to work in your dream job, earn money and enjoy spending it as you wish! Yet, it also marks all the responsibilities and duties that come with a job. From the carefree world of campus to corporate routine; a lot of changes.

Amity University Gurugram exhibits a unique system of ensuring a smooth transition from academics to professional environment, which is a result of a well-structured interface with the industry & corporate world. This system opens an arena of opportunities for students in various sectors of corporate and industrial world. To enable the students to make the best of these opportunities, students are put through rigorous corporate programs which run concurrent to their academic programs along with close mentorship activities. These comprise industry/laboratory/corporate visits, field research work in specified areas, relevant domestic & international internship programs, interaction with industry/corporate leaders by way of guest lectures, seminars, HR summits, Fintech, Hackathons, interdisciplinary events like Ami-fest and Sangathan etc.

Here are some tips for you that will make this easy.

1. Define Career Goals: If you woke up late in college life, you always had the chance to miss the first lecture and join the next one. But when you move from college to corporate life, you must be at the office in time every day. You need a reason and motivation to wake up each morning, and therefore you should have career goals. They will help you to realize why you are putting in the hard work and what you need out of your life and career.

2. Embrace Discomfort: The biggest thing you sacrifice when you move from campus to corporate is your comfort zone. You ruled your time, and

what you did with it, now you need to adhere to work timings and calls from work at all times of the day. You need to miss on friend's events, sleep in early to wake up for early morning presentations and a ton of other things. The key is to be mentally prepared and start doing small things to make your life disciplined and easy.

3. Be Respectful always: You were probably a prankster in college and very friendly with a large group of friends who you made fun of. Things are going to change once you move from college to corporate. You should always learn to ask what's okay, even small things like what to address someone as. Don't abuse in the workplace and be careful of what you say in WhatsApp Groups. Every move of yours will be reflective of you as a professional.

4. Develop Work Ethics: During college life you might have abused your influence and got away with getting your work done by your juniors or teammates. But in an office, you are the junior most person and the one with the responsibility of making a good impression. When you transition from college to corporate, you need to learn to develop good work ethics like being responsible, sticking to deadlines, doing honest work, ensuring transparency and taking up the blame when you have messed up.

5. Learn to manage stress: The biggest problem when moving from college to corporate is the stress that accompanies you. You will face the immense crunch of time, and therefore you need to learn to de-stress properly. One of the best first job tips we can give you is that you should maintain a hobby. The hobby gives you time to relax and get away from any stress. Manage to make time for family and friends and indulge in self-care.

6. Start Saving: The most exciting part of the life transition from college to corporate is money. The Salary Credit message at the beginning of every month means a whole lot of opportunities to have fun. But, be careful and learn how to save and invest the money. You may require money for emergencies, or to take care of your family, or even for your future studies. Learn to manage money well right from your first job itself.

7. Apply Technology Effectively: The work culture in the corporate world

has undergone a drastic change and we all know that. But what is the major driving force in such a change. Well, it is technology, and much emphasis is laid upon imbibing tech skills in students so that they are ready for the job market. Basically, whatever technical skills they had developed while completing their formal education, say- Information Literacy, Media Literacy and Technology Literacy, it's a time that they utilize them (based on the situation and the nature of task) in accomplishing a task. In the digital world, with the help of technology, it is possible to be quick at work, provided one knows the hacks to use technology as a tool to may be research, organize, evaluate and communicate information or use up digital technologies to access, manage, integrate, evaluate and create information to successfully function in a knowledge based economy. So, start making the best use of technology at work.

8. Open to Ideas & Experiences: A fresher's outlook to organization is vital to make progressions in your career. In this way, you will know the paths that you did not know and discover choices that help you grow up. Corporates prefer candidates who are open to moving places for work. So, it is important that one remains flexible to taking a step forward to accept opportunities of growth by moving places for work and give a boost to their career.

9. Observing things of the Corporate World: Pay close and keen attention to the corporate culture as one needs to learn how things work within the organization. Remember, the corporate expects different things from different employees (be it a fresher or an experienced person) unlike what the University expects from its students. In the University, a student is normally accustomed to have exams that follow a definite structure, syllabus and timetable. These exams are predictable to a large extent. However, in the corporate world, graduates will find, they will be tested in some form of an exam or another. They will be tested based on their contributions to the organization and value additions made to the organization. They will also be tested on whether they could keep up to the pace of developments in the industry or have managed to keep up good relations with their stakeholders and customers.

TIPS FOR THE MEANINGFUL TRANSITION FROM SCHOOL TO COLLEGE



Dr. Tanushri Purohit
Associate Professor, **Amity Business School**

Striding into the college environment is an important transition in life. Adapting to the new environment and learning styles becomes imperative for the students and could become a challenging as well as rewarding experience. The challenges faced during this period, are not only academic but financial, emotional and social as well. This is a phase when students suddenly, from their cocooned and protected environment, are exposed to the world of reality. Adequate preparedness for the smooth transition becomes really important since each day will be full of surprises.

One of the most important skills to be developed is independent thinking and understanding of academic matters. Since, in schools, students are often dependent on their teachers but, in higher education structure, faculty support is different because this phase is preparing you to face the industry and the world in coming times. Developing academic skills in the area of analysis, research, taking notes, revising, being proactive in asking and resolving the queries are very important. These skills will help one in faring well in new subject areas and examinations. Quick understanding of new class structures, grading system, examinations and assignment submissions enhances the adaptability to the new academic environment.

Time management and planning also helps in better performance. Efficient time management can help you to understand your academic needs well in

advance and prepare well. This will not only save time but also reduce the stress level. With more time in hand, focus can be on doing more research, projects consulting and reading additional study material. This will enhance the overall perspective of academics and facilitate the development of personality.

Practicing smart note taking is another crucial skill, which should be developed, since most of the universities and colleges have classes in large lecture theatres and have large batch sizes. In such situations taking notes smartly and intelligently helps to keep you updated and getting your reference material ready simultaneously. The class notes help with examination preparation and last minute revision of the subject.

Visiting the campus library also helps in enhancing the academic performances which students often tend to ignore. But students should schedule their library visits to consult reference books, research journals, newspapers and other academic material.

University and college environment are learning grounds for all students. Lot of expectations is there from students and students too have a lot of expectations from their life. Keeping motivation level high during this period is extremely crucial. Self motivated individuals are open to learning new things and work harder to achieve their goals.

Self discipline takes people a long way in their life, achieving their personal and professional goals. Students should start practicing self discipline early in life. Self discipline helps in maintaining regularity in life and in staying ahead of your schedules. To a large extent, it helps students stay away from

distractions and focus on their goals. Small steps, like planning your day, making your study schedules, establishing your study area at home, creating a backup plan, using the technology and thinking ahead, help to stay motivated and develop a positive frame of mind. Building self discipline helps to eliminate distractions and channel the energies and will power in the right direction.

Students should understand their potentials, inclinations and set realistic goals. Self awareness is another important step towards positivity. At no point of time students should over commit, which could lead to setbacks and result in demotivation. Be aware of your uniqueness and set goals accordingly.

Students are also exposed to personal, social and emotional challenges during this phase, since they are in a new environment and social skills are still in the development process. Challenges could also be making and adjusting to new peer group, settling down in campus and hostel life, new relationships with faculty and administrators, handling financial responsibilities, experiencing homesickness and coping with stress. It is important to handle such challenges at the earliest. Family, faculty, friends, counselors and the whole fraternity are there to support you. It is important to reach out at the earliest and resolve the issues.

Lastly, it is absolutely vital to maintain positivity in life. At no point of time one should lose hope. Take each challenging situation as a new opportunity to learn. Learning involves entering positive professional and personal relationships, taking risks and opening to adapt new changes with an optimistic and encouraging approach.

STUDENT CLUBS - LIFE BEYOND ACADEMICS AT AMITY



Maj. Gen. Gural Singh Bal (Retd.) SM, VSM
Dean of Students Welfare, Dir. - Hostel, Security & UG MTC, Amity University Haryana

Outside the standard framework of any educational curriculum, there are endless opportunities for students to learn new skills and ignite new passions. Extracurricular activities are a vital element in any students' development, often building on lessons and learnings that begin during school life. At Amity

University Gurugram, emphasis is laid on organizing student centric events in the form of clubs and University activities like Sangathan which is a month long sports carnival with 36 team and individual sports events. Amifest is a cultural extravaganza with large number of universities participating in diverse cultural events.

Joining a student club at Amity University Gurugram presents students with many opportunities to learn more about themselves, their goals, and strengths. Students can learn from other students on how to handle certain situations. They can also find out what they are good at, whether it is multitasking, staying organized, generating ideas, or serving others. This self-awareness can be of tremendous benefit for the future career of students.

By actively participating in these clubs, students develop soft skills that allow them to effectively interact with others. Participating in a student organization not only teaches individuals these skills, but also helps them broaden and improve those that they already have. Students learn the best way to communicate with both individuals and large groups, and gain emotional intelligence as they develop new relationships.



Knowing how to work well with a team is an essential skill for any career. Being in a student club event teaches students how to do this by putting them in situations where they are required to take advice from others, as well as give their own.

Participating in a club or an organization based around particular areas of study will give individuals practical experience within that field. And what's great about student clubs is that while students learn to use skills like project management, event planning, and fundraising, they get to test them out in a safe environment where making mistakes is okay. Chances are, the organization, that students choose to participate in, will include a diverse group of people — thereby making them face real situations in the working world. Learning how different people respond and

react to certain situations will help students develop skills in presenting and implementing ideas.

Becoming a leader in any organization or event helps develop leadership skills that will be invaluable in all areas of life. Students are presented with opportunities to improve public speaking, and gain confidence in

themselves as individuals.

Participating and successfully achieving club goals, when added to the student profile, looks good on resumes. Showing employers that potential employees participated in, or (better yet) lead, a student organization, will allow them to know that the student that they wish to employ, is hard working and can handle multiple responsibilities.

Many student clubs associated with social responsibilities provide opportunities to give back to the community, whether through acts of service, sponsoring events, or hosting charity drives. Not only is this good for society, but also teaches students how to be compassionate and develop the joy of giving and sharing. Moreover, social responsibility clubs, and the work undertaken by them, helps shape responsible and compassionate citizens of tomorrow.

Student organizations have a lot to offer. Whether students join as a member or choose to lead one, simply taking part in an extracurricular group will enhance their experience. Gaining skills, making connections, and broadening their knowledge through club activities, will help students to become more well-rounded individuals — ones that are ready to take on their future careers in this diverse and challenging world.

A plethora of clubs are currently active at Amity University Gurugram, these are **Cultural Activities Club | Theater & Dramatics Clubs | Ek Aawaz | Dramebaaz | Music Club | International Students Club | Sakaar Club | Dexter Club | "YUVA" The Debating and Declamation Club | Hunkaar Club | Fashion Show Club | Cyber Club | Allegories Literary Club "Alfaaz" | Photography Club | Amigreen Environment Club | Auh University Chronicle | Aero Modelling Club | Robotics Club | Fine Arts Club | Painting | Cartoon Making | Poster Making | Trekking Club | Social Responsibility Club | Udaan Club - "Practice To Teach Poor Children" | Shiksha Association | Shakti Club | DSW-photography Club | Yoga Club | Volleyball Club | Tennis Club | Cricket Club | Health & Fitness Clubs | Aerobics Club | Body Building Club | Amiskills Club**



BIOTECHNOLOGY: A RESEARCH CAREER WITH UNLIMITED GROWTH POTENTIAL



Dr. Kaustav Bandyopadhyay
Assistant Professor, Amity Institute of Biotechnology, Amity University Haryana

Biotechnology is a huge part of our everyday lives. You probably even do not know how many biotechnological innovations you are using right now like clothes you are wearing, food you are eating, or drugs you are taking can all have contribution from a biotechnologist. Name

any field where mankind uses technology and is planning to thrive in next thirty years, biotechnology has a role to play in it. From space research (plant-based food in space) to automobile industries (biofuel), biotech is everywhere. No other discipline of science is playing or will continue to play a bigger role to enhance the quality of life. Biotech is spearheading in the fight with global obstacles to humankind, namely climate change and increasing pollution, food security, and energy crisis. The ever-increasing global population is facing healthcare problems everyday, and biotech is here to deal with drug discovery to diagnostics. Agriculture, under the ever-harsher conditions, is possible because of biotechnological innovations. In other words, economic and intellectual investment in biotechnology is sure to yield dividends in terms of economy and quality of life.

The biotech industry, which has just started to gain momentum, is already totaling to billions of dollars and providing millions of jobs around the globe. More than 350 million patients worldwide are benefitting from this industry. As of today, more than 50% of the medicines and procedures in the healthcare industry are obtained in the biotech era.

Apart from healthcare, agricultural and industrial biotech are the two other sectors which are already leading the market. Beer fermentation to vitamin production, biotech industries are serving the cause for last 30 years. With climate resilient rice, pest resistant crops, potato chips that are healthier and,

apples which will not turn brown after cutting, agricultural biotechnologists are literally playing God!

Biotech is one of the most exciting sectors at the moment. No other sector has the same promise of extraordinary rewards for investors as biotech stocks. Globally, Google to Microsoft, Gates Foundation to Wellcome Trust, everyone has invested in this market. In India, Reliance Jio, Tata, and Biocare are few names who have made ambitious jumps into this ocean of opportunity. The biotech industry requires Governmental policy decisions that support innovation and risk-taking as well as a public that is well informed about how biotech is creating a healthier, greener, more productive and more sustainable economy. Truly speaking, at present the cause is well-backed by almost each government on earth.

For biotech to truly reach its full potential, the industry needs experienced personnel with technical knowhow. This is the perfect time we build the human resource and expertise required to run this industry. With such a broad spectrum of companies and roles within the sector from development to manufacturing, from protection of intellectual property and legal affairs to commercial release and ethical laws, you can't go wrong with a move into or developing your skillset within biotech if you are looking for a long-term career path. This industry will require millions of professionals in the next thirty years.

Apart from the industry, academic researchers, and scientists, like myself, are the pillars of the platform on which the industry is standing. This is also a fascinating career. If you are young and feel a passion for science and biology, and enjoy what you are doing, then academic research is also a good career for you. As a scientist in biotech, you can choose your direction, can participate in a great era of discovery, can travel worldwide, can enjoy flexible working hours, and finally have a feeling that you gave something back to the society where your parents and children breathe. The future of biotechnology will be stronger with people like you.

COVID-19 PANDEMIC: HOW TO KEEP YOURSELF SAFE AND PROTECTED?



Arvind Chhabra
Professor & Director, Stem Cell Institute, Amity University Haryana

The COVID19 pandemic has been the most serious health crisis world has faced, since the 1918 Spanish Flu pandemic that caused a loss of 50 million lives. The disease is caused by Novel Coronavirus-2 (N-Cov-2), an RNA virus, a member of the severe acute respiratory disease syndrome (SARS) virus family. The outbreak was first reported in the Wuhan city, Hubei province, China, in September 2019, and it rapidly progressed to pandemic proportions. As of May 1st, 2021, the pandemic has so far resulted in 150,989,419 confirmed cases and 3, 173, 576 deaths across the world, and 19,164,969 confirmed cases and 211,853 deaths in India. The pandemic has not only severely affected human health, causing widespread loss of life, it has also devastated almost all the sectors of the world economy, causing job losses worse than the Great Depression of 1926. Given the enormity of the disease, and its impact on personal, family as well as societal health, we here discuss how one can prevent getting infected with the virus, and the diagnostic, treatment and curative modalities that are available to diagnose infected individuals and treat them.

Prevention: The COVID19 virus can transmit from the host in the form of aerosols that can travel in the air and infect the uninfected individuals through respiratory route. Use of face masks can prevent transmission of the virus. Also the use of sanitizers must be practiced on frequent basis as we come in contact with different objects during our daily movement and work practice, and the virus can survive on different surfaces for many hours. Furthermore, social distancing and frequent washing of hands by soaps, less touching of eyes, nose and mouth must also be practiced to reduce the chances of getting infected.

Diagnosis: Antigen-based and RT-PCR-based diagnostic methods are routinely used to identify COVID19 infected individuals. Although RT-PCR test is reliable, its false-negative rate could have severe consequences of missed diagnosis. Therefore, CT scans, especially the high-resolution CT (HRCT) of chest has now become a vital confirmatory approach for early diagnosis and assessment of the disease severity.

Clinical Manifestation: Most common clinical symptoms exhibited by COVID19 patients includes high fever, dry cough, dyspnea (shortness of breath), bilateral lung infiltrates and ground glass opacity of lungs on imaging. Some individuals may also experience chills, repeated shaking with chills, muscle pain, headache, sore throat, and loss of taste or smell. Patients with severe disease develop acute respiratory distress syndrome (ARDS) that worsens in a short period of time leading to respiratory failure with exudative diffuse alveolar damage with massive capillary congestion often accompanied by microthrombi formation and the patients succumb to multiple organ failure. Immune cell hyperactivation, known as "cytokine storm", further augments rapid progression of the disease to ARDS. In addition, post recovery organ damage, in patients recovered from COVID-19 infection, is another challenge that requires further studies.

Treatment Strategies: Among the key drugs showing promise against COVID19 virus includes Ramdesivir, a nucleoside analog that can inhibit

RNA-dependent RNA polymerase (RDRP) and acts as a broad-spectrum inhibitor of RNA viruses, including Ebola virus, SARS, SARS-Cov-2 and MERS-CoV; Lopinavir, a protease inhibitor, that has shown good efficacy in clearing viral load against SARS virus, in combination with Ritonavir; Baricitinib, an inhibitor of the Janus kinase-signal transducer and activator of transcription (JAK-STAT) pathway; Arbidol, a broad-spectrum antiviral drug that has been found to be effective against enveloped as well as non-enveloped viruses; and Favipiravir, a nucleoside precursor that can directly inhibit RDRP and has shown efficacy against broad-range of influenza viruses. In addition, Ivermectin, a broad-spectrum anti-parasitic drug approved by the FDA for treatment of helminths, corticosteroids, interferons have also shown promising anti-COVID-19 activities.

Immune-Based Therapeutic Strategies (Antibodies and Vaccines): Several different strategies are being pursued to effectively direct the host immune mechanisms, via passive as well as active immunization approaches, to prevent disease onset as well as to treat the infected individuals with active disease. Among these includes Convalescent Plasma Therapy, whereby plasma from COVID19 recovered patients, containing antibodies and other accessory factors that helped them recover from the disease, is used to administer in COVID19 infected patients to provide them similar protection. Therapeutic monoclonal antibodies, that can interfere with immune cell signaling cascade(s), for example anti-IL-6 antibody, tocilizumab, directed against the IL-6 receptor (IL-6R), has also shown encouraging results against COVID-19-mediated acute respiratory distress syndrome (ARDS). COVID19 Vaccines is another approach that has made significant progress. Among the notable vaccines developed includes Pfizer-BioNTech vaccine, receiving Emergency Use Approval on December 2nd, 2020, by the UK; Pfizer-BioNTech vaccine, receiving EUA on 11th December, 2020, by US FDA, and a week later to Moderna vaccine. India granted approval to Serum Institute of India for Covishield vaccine, the Indian variant of the AZD1222 vaccine developed by Oxford University and AstraZeneca, and the Covaxin vaccine of the Bharat Biotech, on January 3rd, 2021. As of May 1st, 2021, 113 crore individuals worldwide and 15.2 crore individuals in India have been vaccinated. It is reassuring to see that although vaccinated individuals can get infected, the disease severity is minimal in comparison to the non-vaccinated individuals. Therefore, significant efforts are underway worldwide to vaccinate people.

Summary: COVID19 pandemic has affected every aspect of our life, causing significant loss of life as well as economic disruption in the world. However, it has also resulted in unprecedented collaboration between researchers, medical fraternity as well as Governments, towards devising effective strategies to diagnose the disease, characterize the mechanism of disease development, and development of drug intervention and vaccine-based therapeutic strategies. The onset of the second wave of pandemic in India has highlighted the fact that while the scientific community is trying to eradicate the virus, the virus is also undergoing continuous evolution. Therefore, we must take extra precautions to prevent contracting the disease, and if we do get infected, we should immediately self-isolate ourselves, get tested and get effective treatment. Furthermore, we must also get vaccinated in order to protect ourselves from the multi-faceted health impact this virus causes on our body, which could even be fatal. Needless to mention, producing sufficient vaccines to vaccinate the world population requires significant collaborative efforts. Let us hope that the spirit of collaboration will continue and it will soon bring the pandemic under control and bring normalcy back in the lives of the people.

SEMINAR ON O-GLCNACYLATION: LINKING METABOLISM TO EPIGENETICS

Amity Institute of Biotechnology organized seminar on O-GlcNAcylation: linking metabolism to epigenetics on 20th Nov 2020 by Dr. Vaibhav Kapuria, Postdoc fellow, University of Lausanne, Switzerland. Total 17 students and 15 faculties participated in the seminar.

Dr. Vaibhav Kapuria, EMBO Fellow at the University of Lausanne, Switzerland talked about O-linked N-acetylglucosamine (O-GlcNAc) which is an essential and dynamic post-translational modification found on hundreds of nucleocytoplasmic proteins in metazoa. Although a single enzyme, O-GlcNAc transferase (OGT), generates the entire cytosolic O-GlcNAc proteome, it is not understood how it recognizes its protein substrates, targeting only a fraction of serines/threonines in the metazoan proteome for glycosylation.

He described deeply on a trapped complex of human OGT with the C-terminal domain of TAB1, a key innate immunity-signalling O-GlcNAc protein, revealing extensive interactions with the tetratricopeptide repeats of OGT. Confirmed by mutagenesis.

This interaction suggests that glycosylation substrate specificity is achieved by recognition of a degenerate sequence in the active site combined with an extended conformation C-terminal of the O-GlcNAc target site.



WEBINAR ON IMPACT OF COVID ON LEGAL EDUCATION AND CAREER



Amity Law School organized webinar on Impact of COVID on Legal Education and Career by Prof. (Dr.) Vinay Kapoor Mehra, Vice Chancellor, Dr. Bhim Rao Ambedkar National Law University, Haryana on 4th February 2021 and it was attended by 230 students and faculty members.

Prof. Vinar Kapoor Mehra began her lecture by explaining how faculty and students, even during lockdown, utilized their time exhaustively through online classes, online moot court competitions, internships, etc. She also pointed out the difference between public and private universities in terms of holding the online classes giving the example of preparedness for conduct of online classes, where public universities students faced many issues due to lack of infrastructure in comparison to private universities which already had the infrastructure like smart classrooms etc.

She further added, that nevertheless Covid-19 has prompted experts to rethink the conventional mode of education. She opined that digital education proved to be a viable solution to fill the void for classroom education for a period of three to four months while minimizing the chances of any infection to students and brought the hitherto peripheral issue of digital education in India to the centre stage. Prof. Mehra was of the view that going forward, digital education is likely to be integrated into mainstream education, which will enable inclusive education by facilitating learning across diverse geographies in India. She emphasized that it would provide an opportunity for educators to come up with customized learning solutions for every student.

Prof. Mehra concluded her lecture by saying that law is not stagnant and every day there is an update in some part of legal education which means that we need to keep updating ourselves accordingly.

In her final remarks Prof. Mehra said that the field of education has tried and still is trying to cope with the pandemic.

Overall the session was very informative and emphasized that online teaching filled the gap in the teaching-learning process during the pandemic and is going to be an important part in imparting education in the times to come alongside the conventional mode.

GUEST LECTURE ON 'RESEARCH DESIGNS IN SOCIAL SCIENCES'

Amity Institute of Behavioral and Allied Sciences organized guest lecture on 'Research Designs in Social Sciences' on 12th February, 2021 by Dr. Anil Chandran S., Assistant Professor, Department of Demography, University of Kerala.

The main objective of the event was to provide various research designs employed in social sciences. This will be particularly helpful for students of Post Graduation and Ph.D. in psychology as this will enable them in designing their research proposals robustly.

Dr. Anil Chandran discussed about various research designs: experimental, quasi-experimental and observational used by social scientists. He highlighted the key characteristics of the research designs. The key characteristics of four type of longitudinal surveys-trend, cohort, panel and follow up were also discussed. At the end the expert answered the questions asked by students followed by Dr. Anupama Srivastava, Head, AIBAS expressing gratitude to the expert.

Total 49 students and 10 faculties participated in the session.



GUEST LECTURE ON ROLE OF JUDICIARY IN UPHOLDING CONSTITUTIONAL MANDATE

Amity Law School organized a webinar on "Role of Judiciary in Upholding Constitutional Mandate," on 9th January 2021 by Hon'ble Dr. Justice Vinit Kumar Mathur, Judge Rajasthan High Court. The webinar was attended by over 260 participants from across the nation.

Judiciary has been mandated to uphold the Rule of Law and administer justice according to Law. Our judicial system is a key aspect of our democratic way of life and is instrumental in upholding peace, order and good governance. Citizens look to the judiciary to uphold their rights and governments look to the courts to interpret laws. Judiciary is the guardian of the human rights, protector of the Constitution and promoter of peace and cordiality in India and must therefore, act without fear of powerful interests, and without favouring individual parties.

The exercise of Judicial Review whereby the judiciary decides on constitutional matters either to validate or invalidate legislative or executive action is pivotal in its role of upholding the constitutional mandate. The past year has disrupted life as we knew it and has also seen the Judiciary play an important role in balancing the rights of people and administrative action.

Justice Mathur began his lecture by expressing his pleasure in addressing the students and praising Maj. Gen. P. K. Sharma for his outstanding service in the Army. Justice Mathur further remarked that the Bar and the Bench have been doing a good job in upholding the Constitutional values in India and that the Judiciary is said to be the watch dog, fulfilling the expectations of the people by doing their duty.

His Lordship elaborated on the importance of the word mandate, meaning an order or instruction, which has been placed on the shoulders of the three pillars of Legislature, Executive and Judiciary.

Lordship further emphasized that the duties and functions of these pillars have been beautifully enshrined in our Constitution and that even though these three organs have to work in harmony with each other, there are clear demarcations and each one has to fill the gaps left by the other. His Lordship explained that there are no clear written checks and balances, yet enough safeguards are provided within the Constitution to keep each wing within their parameters.

Justice Mathur quoted the principle enshrined in our Constitution which the Judiciary has been mandated to uphold as, "Be you ever be so high, the Law is above you." His Lordship gave examples of many landmark judgements like Golak Nath v. State of Punjab, Keshvananda Bharti v. State of Kerala, Indira Nehru Gandhi v. Raj Narain, wherein the Apex Court has upheld that the basic structure of the Constitution cannot be amended. His Lordship explained that the Constitution of India does not limit the power of Judicial Review which empowers the judiciary to determine whether the acts of the legislature and administration are within the constitutional bounds.

Justice Mathur observed that the power of judicial review over legislative and administrative action cannot be abridged and explained that based on the various judgements the power of review remain intact with the Indian judiciary to maintain the checks and balances in the ecosystem of the



democratic form of governance. His Lordship explained the fundamental basis which gives rise to the philosophy of judicial review as being firstly establishing fairness in administrative action, secondly protecting the fundamental rights and lastly to rule on questions of legislative competence between Center and State. This, Lordship opined is why the judiciary has been empowered with the power of review and thus the judiciary itself has to ensure that there is fairness and impartiality in its own actions. Justice Mathur broadly classified seven areas wherein judicial review takes place as, namely

- Judicial review of administrative action and policy decisions.
- Judicial review of economic policy.
- Judicial review of decisions based on expert opinion.
- Judicial review of subordinate legislation.
- Judicial review of contractual cases.
- Judicial review of disciplinary proceedings and quantum of punishment.
- Suo Moto Judicial review.

His Lordship concluded with the remarks that the goal of judicial review is to reach the masses and ensure that their Rights as guaranteed by the Constitution are upheld.

The Question-Answer round of the webinar saw many questions put to his Lordship, wherein participants asked many questions regarding judicial activism and overreach, access to justice and judicial response, especially during the pandemic. His Lordship answered all the queries and his advice to the young, budding lawyers was that for one to succeed one must work with sincerity, honesty, hard work and compassion.

INDUSTRY INTERACTION WITH ESSILOR



Department of Optometry and Vision, Amity Medical School organised Industry Interaction with Essilor on dispensing optics on 2nd December 2020.

The main objective of the workshop was to aware students about the latest technologies for ophthalmic lenses.

Workshop on dispensing optics was conducted by Professional services and Educational team from Essilor Corporation (largest manufacturer of Ophthalmic Lenses in the world) headed by Mr. Shajan Adolf, Head Training and Education & Professional Affairs, Essilor India, along with Ms. Tanima, Regional Manager Professional Affairs, Essilor, Mr. Ashutosh Tripathi, Senior manager NCR, and Mr. Suman Das, Manager Production conducted whole session.

Virtual visit to the manufacturing process was also demonstrated to all students.

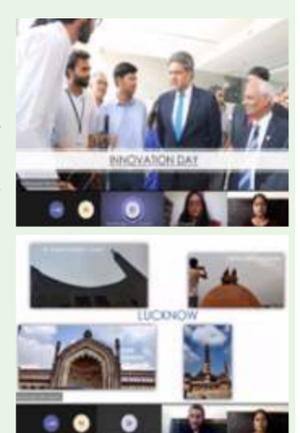
ONLINE 'ORIENTATION PROGRAM OF AMITY SCHOOL OF ARCHITECTURE & PLANNING

Amity School of Architecture and Planning (ASAP) organized an online orientation program to welcome first year students of B.Arch, B.Plan and M.Plan.

The objective of the event was to introduce the students to Amity School of Architecture and Planning as well as Amity University Gurugram and to demonstrate the accomplishments and activities of the School.

Dr. Ila Gupta, Director, ASAP, welcomed new students and mentioned to them about Amity's vision and mission including ASAP's role to attain the same. She also introduced incubation support as well as Study Abroad Program at Amity Gurugram. She briefly introduced the kind of work expected from the students of B.Arch, B.Plan, and M.Plan, after joining ASAP.

She concluded her address by emphasizing and promoting teamwork in the planning domain. Dr. Pallavi Sharma being the coordinator of ASAP addressed the students. She briefly introduced them to the functioning and utilization of Amizone. Then, faculties of the School Dr. Doreshore Kh., Mr. Siddharth P.B., Ms. Kumud Dhanwantri, Ar. Dileep Kushwaha, Ar. Geetika Verma, and Ar. Raghav Aggarwal welcomed the students and introduced themselves to the new joiners.



NATIONAL WEBINAR ON NURSING CARE PERSPECTIVES: PARADIGM SHIFT DURING COVID-19

Amity College of Nursing organized national webinar on Nursing Care Perspectives during Covid-19 between 6th-9th October 2020.

The main objective of the events was to discuss Government initiatives in Prevention and Management of Covid-19 and enhance the quality of psychological well-being during Covid-19, special precautions taken during CPR in Covid era, and explore the oxygenation and ventilation techniques used for Covid Patients.

DAY - 1 (6th October 2020)

Webinar on "Government inventiveness in management of Covid-19" by Dr. Riaz K.M., Assistant Professor, Government College of Nursing, Thrissur, Kerala.

Dr. Riaz K.M. provided the data on the topic and how the country fought against Corona with courage and dedication. He discussed on the strategies of Department of Health and Medical Education, contact tracing, quarantine, national task-force for COVID 19 by ICMR and guidelines for various labor force. Participants raised many questions and provided comments regarding the Government inventiveness in management of COVID 19 and how it connects with the broader context. Finally, the webinar was ended with vote of thanks proposed by Ms. Shikha Gulia.

DAY - 2 (7th October 2020)

Webinar on "Psychological Resilience" by Dr. Padmakali Banerjee, Pro Vice Chancellor & Dean Academics, Amity University Haryana.

Dr. Banerjee splendidly talked about psychological resilience with a worthy discussion on wellbeing, mindful meditation, adversities of taking stress, with beautiful examples like PEROMA model and LEAP - a process model for eudaimonic wellbeing. She beautifully explained about the power of positive

relationship and positive thinking. She enlightened about the realization of self-potential and power of optimism in this time of crisis. She illustrated resilience as an ability to bounce back.

DAY - 3 (8th October 2020)

Webinar on "CPR diligence" by Dr. Poonam Joshi, Associate Professor, College of Nursing, AIIMS, New Delhi. Dr. Joshi resplendently talked about CPR diligence with the noteworthy discussion on the algorithm approach, scene safety, new approaches and guidelines of CPR and comprehensive cardiopulmonary life support, and many phases of CPR in the COVID 19 era. Participants raised many questions and was provided with answers regarding the CPR diligence and how it can be practiced in an emergency under this pandemic.

DAY - 4 (9th October 2020)

The fourth and final day session of the webinar series was "Oxygenation and ventilation for Covid-19 patients" by Prof. Suresh K Sharma, Professor & Principal, College of Nursing & Dean (Nursing), All India Institute of Medical Sciences, Rishikesh, Uttarakhand, India.

Prof. Sharma talked about the topic with prominent discussion and demonstration on high flow nasal cannula, NIPPV, and mode of ventilation. He explained the monitoring of patients on a ventilator, oral hygiene, positioning, physiotherapy, psychological support, and communication. Participants listened thoroughly and asked questions to the speaker. He simplified on oxygenation and its step by step process, as well as elaborated on first line choice for oxygenation in Covid patient. He cleared all their doubts and provided extra knowledge on oxygenation and ventilation for Covid-19 patients.



GOVERNMENT INVENTIVENESS IN MANAGEMENT OF COVID-19



PSYCHOLOGICAL RESILIENCE



CPR DILIGENCE



OXYGENATION AND VENTILATION FOR COVID-19 PATIENTS



ALL INDIA INTER-UNIVERSITY COMPETITIONS "DAYS OF RUSSIAN LANGUAGE & CULTURE 2021"



Amity School of Languages, Russian Language students participated in the Inter-University Competition "Days of Russian Language & Culture 2021" and bagged prizes in costume competitions, poster making, dance and Russian Culture quiz among all prestigious universities of India. The students got not just some major achievements but also had first-hand experience of interacting with native Russian speakers (teachers and students).

The event was devoted to the 60th Anniversary of the first flight of a man into space by noted Russian cosmonaut, Yuri Gagarin, who went into space on 12th April 1961.

The programme comprised of Russian Language Olympiad, Russian Culture Quiz in English, Russian poetry recitation competition, dance and music competition, Russian song competition, Russian costume competition, Russian translation competition, essay writing competition and poster-making competition among others.

Universities like Jawaharlal Nehru University (JNU); Delhi University (DU); Savitribai Phule University, Pune; Vishva Bharti University, Shanti Niketan, West Bengal; EFLU, Hyderabad; Institute of Russian Language of the RCSC (IRL, New Delhi); Russian Centre of Science and Culture, Kolkata; B.R. Ambedkar University, Agra; Chowdhary Charan Singh University, Meerut;

Indira Gandhi National Open University, New Delhi; Aligarh Muslim University, Aligarh; and BPS Mahila Viswa Vidyalaya, Sonapat participated in 9 categories of the inter-university competitions.

ASL Russian team performed very well and brought laurels to AUH in a grand way. Our students bagged first prize in quiz, costume competition, poster making competition and third prize in Russian dance, whose details are follows:

- Ms. Isha Garg – 1st prize in the Quiz Competition "Russia – The First Country in Space"
- Ms. Isha Garg – 1st Prize in Russian Costume Competition
- Mr. Pankaj Kumar – 1st prize in Poster Making Competition
- Ms. Konkona Chandra & Mr. Ravi – 3rd Prize in Russian Dance Competition

The Jury team was comprised of Ms. Tatyana Perova, Head of Russian Teachers Training Unit, RCSC; Mr. Vasili Shagap, Head of Russian Scholarship Unit; Ms. Tatyana Shipilova, Head Institute of Russian Language; Ms. Lyudmila, RCSC, Delhi; and Ms. Neelakshi Suryanarayan, Ex-HoD, SFUS, DU. The jury team congratulated AUH for their performance. The winners received certificates, Russian souvenirs and books on Russian language and literature.

The overall experience was very fruitful as not only were the faculty and students of AUH recognized for their profound efforts in the field of Russian Studies, but the students also found it to be immensely enriching and educative. Their interest in Russian language has been increased and this event has given enthusiasm to Russian language students to know more about the importance of learning foreign language.

GUEST LECTURE ON INTRODUCTION & EXPOSURE TO TOURISM & HOSPITALITY INDUSTRY

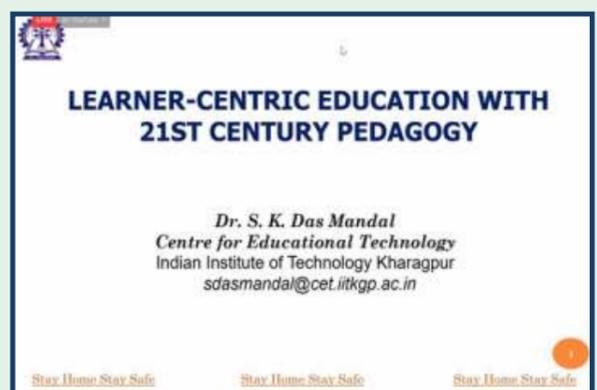


The Amity School of Hospitality (ASH) conducted 'Guest Lecture' on topic 'Introduction & Exposure to Tourism & Hospitality Industry' on 12 October 2020. The guest speaker / resource person was Ms. Nidhi Bansal, CEO of 'India City Walks' & 'India with Locals'.

The guest speaker mentioned that both the tourism & hospitality industries, nowadays, has become one of the largest and essential industries that contribute majorly to growth & development of any country's economy. Tourism is a combination of activities, services & companies that provides you traveling experience with transportation, accommodation, food, entertainment and attractions. Hospitality is how well the community accepts you and their attitude towards you which make you feel safe and welcome.

Speaker mentioned that tourism is tasked with managing a destination's details and resources while hospitality manages and facilitates the provisions of food, accommodation, and socialisation for tourists. Both tourism and hospitality industries complement each other. For example, a tourist needs tickets for travelling (tourism) and a place like hotel to stay in and perhaps a restaurant to eat in (hospitality). Tourism and hospitality industries, collectively, is claimed to be the world's largest industries by World Tourism Organization (WTO) with turnover of \$3 trillion dollars. He explained that both tourism & hospitality industries are significant sources of foreign exchange; tourism & hospitality industries provide massive employment to people all over the globe; tourism industry offers job opportunities in national parks, museums, ancient monuments, travel agencies, tour companies, govt. embassies etc. There was a crisp question-answer round at the end of the guest lecture.

LEARNER – CENTRIC EDUCATION WITH 21ST CENTURY PEDAGOGY



Amity School Engineering and Technology organized a webinar on Learner Centric Education with 21st Century Pedagogy by Dr. S.K. Das Mandal, Professor, IIT Kharagpur on 10th October 2020.

The main objective of the event was to prepare students for their role in learner-centric education system and to help students identify their skill sets and become inquisitive, self-motivated learners. Also, create awareness about student-centered learning and assessment, identification of 21st century skills for the success of students.

Dr. Shyamal Kumar Das Mandal, Assistant Professor, IIT Kharagpur delivered his talk on the vision of learner centric pedagogy for 21st century that can offer the right blend of learning to students. The content covered during webinar are following.

- The teacher side and student side of pedagogy
- Assessment methods
- Responsibilities of students/ teachers before reaching the class room
- Flip classroom

The students were made aware about student-centered learning and assessment. They were told about the 21st century skills required for success. The talk helped in identification of roles and responsibilities of students in learner-centric pedagogy.

SEMINAR SERIES ON "NANOMATERIALS: SYNTHESIS, CHARACTERIZATION AND APPLICATION"

Amity School of Applied Sciences organized seminar on "Nanomaterials: Synthesis, Characterization and Application" by Dr. Neelu Chouhan, Associate Professor, Applied Sciences, Kota University Rajasthan on 9th December 2020.

The main objective of the seminar was to explain to students about nanomaterials and how they are different from bulk materials and some of their unusual physical properties along with their diverse applications. Nanomaterials are the materials possessing the grain size of 1-100nm and at least one of the dimensions should be in nano-size.

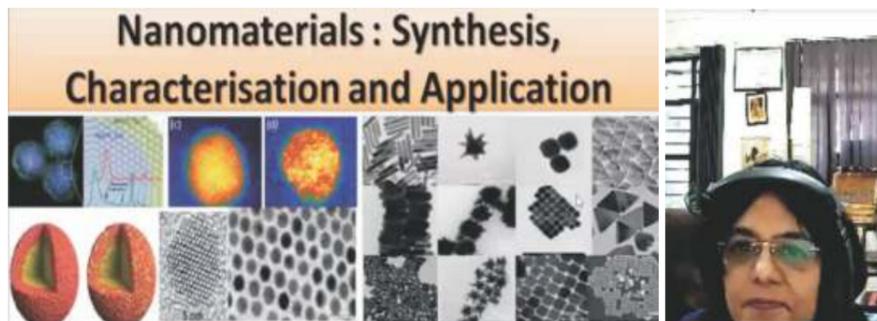
Dr. Chouhan spoke about properties of nanomaterials that can be tuned without changing the chemical composition. Viruses come under the category of nano-size while bacteria's are not considered nano in size.

At nano-scale optical, electrical, physical, chemical and mechanical properties are altered. The main reason of using nanomaterials is that they possess high surface to volume ratio. Main features of using metal nano-catalysts are high selectivity, high activity, good stability and they give good yield of products. The major physical properties of nanomaterials that make them different from bulk materials are:

- Low melting point and reduced lattice constant.
- Ultra-hard properties.
- Very high mechanical strength.

- Electrical conductivity decreases due to the increased surface scattering.
- Shows super-para magnetism property.
- Possesses more arranged structure.

Apart from this students also learnt that gold shows yellow color in bulk size while in nanosize it shows either red or purple color. Students also gained the knowledge about various characterization techniques like XRD, BET, STM, TEM etc. In addition to this they learnt about the benefits which nanomaterials provide like improved economy, eco-friendly, energy efficient and ensures minimum wastage of chemicals. This seminar enriched the knowledge how nanomaterials are making lives more comfortable and how they are being utilized in the various sections of our society.



INTRODUCTION TO EGAN'S SKILLED HELPER COUNSELLING MODEL

Amity Institute of Behavioral & Allied Sciences organized webinar on Introduction to Egan's Skilled Helper Counselling Model on 19th Feb 2021 by Prof. Romate John, Dean, School of Social and Behavioural Sciences and Head, Department of Psychology, Central University of Karnataka, Bangalore.

The main objective of the event was to provide new model of counselling and practice techniques of counselling.

Prof Romate John has published over 50 papers in national & international journals and books. He has over 20 years' experience in ICTC counselling and has attained excellence in research projects of large scale. He described how effective Egan's model of counselling has been till date.

He spoke on techniques of counselling along with examples were experiential to imagine situation, provided a frame of noticing self and emotion and a space to cope. As for budding psychologists the experiential learning gives more dimension to explore the points which needs more growth and which could hinder therapy work from the counselor's point itself. Also, understanding and knowing what empathy actually is in an experiential manner.

Overall the webinar was very informative and interesting. Total 86 students and 7 faculties participated in the session.



WEBINAR ON "ROLE OF AUXIN INFLUX CARRIERS IN PLANT DEVELOPMENT"



Office of International Affairs, Amity University Gurugram organized "International Expert Talk Series (IETS)". IETS provides a platform to AUH students and faculty members to interact with top academicians from leading foreign universities from across the globe and learn the best practices from them on the contemporary emerging issues. More than 100 students and faculties participated in the session. Dr. Brian McGarrie, Director-Executive MBA Programs at Birmingham University, UK spoke on "Leading and Managing Through Crisis." During his talk, Dr. Brian mentioned different types of crisis and about various stages of a crisis which the organizations could face in their functioning. He gave some very lucid examples to explain some of the crisis that has affected the world before COVID 19. In the Indian context, he highlighted some of the disasters such as the Indian Ocean Tsunami 2004 and the Bhopal tragedy that occurred in 1984. He emphasized that in such

a scenario, the government must address challenges on three fronts – How do we address the health crises? How do we address the economic crisis? and, How do we keep the business of the government operating? He suggested that the government should respond fast to recover and thrive from such crisis. He raised a very important issue as to what does good leadership looks like during a crisis. The salient features that emerged from his discussion are: acting with urgency, communicating with transparency, responding productively to missteps, and engaging in constant updating. He further brought out a very relevant point where he emphasized that it is wrong to think that the work of the leader is to set a course and stick to it. He opined that leaders must constantly update their understanding of prior probabilities deliberately using strategies to elicit new information and learn rapidly as events unfold and new information comes to light. Session was closed with vote of thanks from Prof. (Dr.) Gunjan M Sanjeev where she thanked the guest for the wonderful session on such a contemporary issue.

WEBINAR ON "THE INTERNATIONAL CURRENCY OF LEARNING: SHOULD A UNIVERSITY EDUCATION BENEFIT THE INDIVIDUAL OR HUMAN SOCIETY?"

Office of International Affairs (OIA), Amity University Haryana (AUH) hosted another speaker under the banner of "International Expert Talk Series (IETS)". Following the vision of our Hon'ble Chancellor Dr. Aseem Chauhan on augmenting internationalization, AUG has an active interface with accomplished academicians across the world regularly.

This platform provides the Amity University Haryana fraternity opportunity to interact and brainstorm with top academicians from premier foreign institutions across the globe on contemporary topics. It also provides a platform for collaborative activities with top foreign universities to strengthen linkages for creating various internationalization opportunities.

The session was delivered by Prof. (Dr.) Alison Shaw, Professor of Practice for Student Success and Progression, Newcastle University, UK on "The International Currency of Learning: Should a University Education Benefit the Individual or Human Society?"

During her presentation, Prof. (Dr.) Alison Shaw talked about the mega trends and the role of individual contribution towards them. She accentuated the wider role of university education for the betterment of both the individual and society. She elaborated that Universities are a community of faculty and scholars, exist for the public benefit and advancement of education, learning, and research. In a world of

great inequality, there is a risk that education can be a passport only to the privileged and wealthy. She emphasized that Universities should consider their strategies to result in teaching, research, and impacting on society to solve local and global issues.

Prof. Shaw had a great message for the student community. She advised that the students should consider designing their future in the interest of their own wellbeing, as well as for a greater common good to serve society. She stressed the importance of the combination of learning, research, scholarship, international collaboration, and interdisciplinary education that the university provides. To do this, the student should not only achieve the deep knowledge of their disciplines but should be prepared for inter-disciplinary partnerships, inter-disciplinary friendships and find experiences that enable them to apply their knowledge in the context. Prof. Shaw highlighted the importance of collaboration across cultures, across boundaries, and across disciplines to solve global issues such as the ongoing pandemic. She also shared insights to develop leadership thinking.

Currently, as Professor of Success and Progression at the prestigious Newcastle University, UK, she is a member of the senior executive team and works with all three of the University's Faculties to help develop the curricula, teaching and

WEBINAR ON COURTROOM ADVOCACY SKILLS



Office of International Affairs organized webinar on "Courtroom Advocacy Skills" on 23rd Nov. by Ms. Theresa Lynch, Director- Advocacy, Birmingham University, UK.

The main objective of the event was to provide a platform under IETS to AUH fraternity to interact and brainstorm with top academicians from premier foreign institutions across the globe and learn the best practices on the contemporary topics across various domains. It also provided an opportunity to collaborate on various activities with top foreign universities to strengthen linkages.

Hon'ble Vice Chancellor Prof. (Dr.) PB Sharma talked about the importance of advocacy to drive justice to its logical conclusion and said "Advocacy is not just a communication skill but it's an art to utilize the short period of time in the most effective way to guide the hon'ble court with all the facts and evidences. Everybody is not good at justice and that's why we need advocates." He also talked about changing paradigm in court proceedings with technology application and advised practitioners and budding lawyers to learn from the best law practices of UK for fast resolution of huge bulk of pending cases in India.

In her special address, Ms. Theresa Lynch, Director Advocacy, Birmingham University, UK talked about various aspects of courtroom advocacy skills and their applications in courtroom proceedings in the most effective way. She talked about the role of Presentation, Verbal and Non-Verbal Communication, Professional Legal Ethics, Courtroom Advocacy Type and shared the insights with some very lucid examples to master them. Ms. Lynch accentuated on the warming up body, breathe and voice before the proceedings and shared some important exercises for the same. Ms. Theresa shared insights about the role of oral presentation and speaking notes for effective advocacy. She shared the formula of 4P's of vocal expression; Power, Pace, Pitch and Pause; and explained how the practice on oral presentation can create higher impact in persuading proceeding.

Ms. Theresa Lynch emphasized on the importance of practice and said "Practice is very key to make sure that your arguments actually do sit and judge listens and is persuaded by them." She suggested the budding lawyers and practitioners to take maximum benefit of mooting before actual court proceedings in order to get the desired results in the most impact-ful way. She emphasized on the importance of moot and concluded her session with Moot Mantra, i.e. "Proper planning, preparation and practice will assist in preventing a poor performance!"

She has an undergraduate degree in Law and an LLM in Criminal Litigation and has been called to the Bar at Gray's Inn. Prior to joining Birmingham Law School, she was employed by the Crown Prosecution Service and she first joined the Law School as a Postgraduate Teaching Assistant. Theresa's present role is as Director of Advocacy at Birmingham Law School. She has a keen interest in teaching and researching legal skills and as part of her Director of Advocacy role she co-ordinates many student focused activities such as mooting, debating, negotiation, client interviewing and mock trials. Theresa is currently engaged in research which explores the use of mooting as a learning and teaching tool. Theresa's other research interests are in the field of Criminal Law and Criminal Justice.

Dean- Faculty of Law and Director-ALS, Maj. Gen. PK Sharma, thanked Ms. Lynch for such a comprehensive talk and supported her argument on importance of practice and mooting before actual proceedings. He highlighted in his remarks, "An advocate must have five important aspects, compassion, communication, creativity, perseverance and assertiveness but not aggressiveness". He also highlighted the need of courtroom advocacy skills for all lawyers in today's globally competitive world.

Session was closed with vote of thanks from Prof. (Dr.) Gunjan M Sanjeev where she thanked the guest for the wonderful, comprehensive, and lucid session and other panelists for sharing their valuable insights. She concluded the session with her remarks stating that "Advocacy skills are not just needed by advocates but are quality trait of all the leaders and managers".

Session witnessed around 200 students, faculty members and audience from India and overseas. Session was coordinated by Ms. Shaivy Sharma and Mr. Khushin Lakhara, Office of International Affairs.

student experiences to provide the very best opportunities for students to thrive in the workplace of the future. She is the Vice-President of NFER, the leading independent UK provider of education research and insights; sits on several Boards, including the Digital Steering Group of the regional Enterprise Partnership and mentors several young academics and entrepreneurs."

Hon'ble Vice-Chancellor Prof. (Dr.) PB Sharma appreciated the great work and insights shared by Prof. Shaw and expressed his happiness over the presence of an esteemed speaker from the premier foreign university at the webinar. The discussion was hosted and moderated by Vice-President - RBEF and Director - International Affairs, Prof. (Dr.) Gunjan M Sanjeev. While delivering her remarks, she emphasized the role of collaboration and that university education must integrate interdisciplinary, intercultural, and international learning to prepare students to solve global issues.

The session was appreciated and witnessed by over 200 participants from Amity University Haryana, and others from across India and overseas. The session was coordinated by Ms. Shaivy Sharma and Mr. Khushin Lakhara, Office of International Affairs.

WEBINAR ON "LEADING AND MANAGING THROUGH CRISIS: THE CASE OF COVID-19"



Office of International Affairs, Amity University Gurugram has constituted "International Expert Talk Series (IETS)" as a platform for AUH students and faculty members to interact with top academicians from leading foreign universities across the globe and to learn the best practices from them on the contemporary emerging issues.

IETS organized an event "Leading and Managing through crisis: The case of Covid 19" with Dr. Brian McGarrie, Director-Executive MBA Programs at Birmingham University, UK. During his talk, Dr. Brian mentioned different types of crisis and about various stages of a crisis which the organizations could face in their functioning. He gave some very lucid examples to explain some of the crisis that has affected the world before COVID 19. In the Indian context, he highlighted some of the disasters such as the Indian Ocean Tsunami 2004 and the Bhopal tragedy that occurred in 1984.

He emphasized that in such a scenario, the government must address challenges on three fronts – How do we address the health crises? How do we address the economic crisis? and, how do we keep the business of the government operating? He suggested that the government should respond fast to recover and thrive from such crisis.

He raised a very important issue as to what does good leadership look like during a crisis. The salient features that emerged from his discussion are- acting with urgency, communicating with transparency, responding productively to missteps, and engaging in constant updating. He further brought out a very relevant point where he emphasized that it is wrong to think that the work of the leader is to set a course and stick to it. He opined that leaders must constantly update their understanding of prior probabilities deliberately using strategies to elicit new information and learn rapidly as events unfold and new information comes to light.

Session was closed with vote of thanks from Prof. (Dr.) Gunjan M Sanjeev where she thanked guest for the wonderful session on such a contemporary issue. More than 100 students and faculties participated in the session.

AWARENESS PROGRAM ON MENTAL HEALTH ISSUES: IT'S OK NOT TO BE OK: A LITTLE ACT OF KINDNESS GOES A LONG WAY

Amity Institute of Behavioral and Allied Sciences organized awareness program on mental health issues on 9th October 2020.

The main objective of the program is to increase investment in mental health. The theme of the event, "It's Ok Not To Be Ok: A Little Act Of Kindness Goes A Long Way" is an attempt to highlight some of the mental health issues and conditions in the form of role plays, poetry, experience sharing videos and Instagram live videos for creating awareness.

Dr. Padmakali Baneerje, Hon'ble Pro-Vice Chancellor, Amity University Haryana gave her message to the students that "Be the champion of change, be the change agents, social entrepreneur and create a difference in the life of people around you, society and the nation. There are lots of need for providing psychological and psycho-social support to the people, specifically during this Covid-19 pandemic period".

More than 200 students and 9 faculties from Behavioral and Allied Sciences participated in the event. As every individual has suffered their share of lows in this Lockdown period, this event was a gentle reminder that it is normal to feel low at times and our near and dear ones do have the ability to make us feel better by their little acts of kindness.



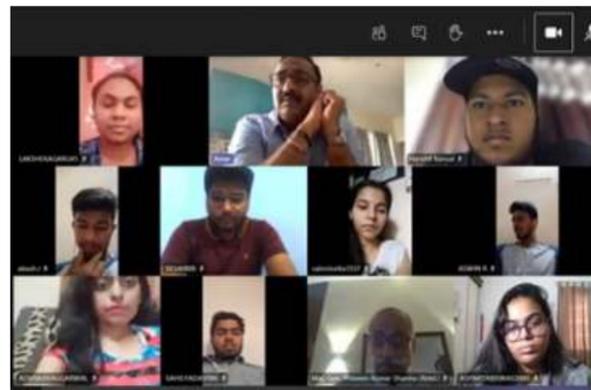
EMINENT LECTURE SERIES ON "CAREER IN LAW"

Amity Law School organized guest lecture on "Career in Law" for new batch of BA LLB/BBA LLB/BCom LLB batch 2020-2025 by Prof. Amar Sundram, India Head of Legal, Corporate Governance and Regulatory Affairs, The Royal Bank of Scotland.

Prof. Sundram spoke to the students about "Career in Law". He apprised them about various avenues that are available to law graduates including joining govt. services like IAS, IPS etc. He exhorted the students to work hard, be inquisitive and inculcate the habit of reading. He made the session interactive by prompting the students to ask questions which he replied in very interesting and simple manner.

He told the students that each one of them must take lessons out of the present conditions created by the COVID 19 pandemic. He asked the students to write a page each on what special they did during this period.

The session concluded with a vote of thanks proposed by Maj. Gen. P. K. Sharma, Prof. & Director - Amity Law School, and Dean - Faculty of Law, Amity University Gurugram.



CLINICAL PSYCHOLOGY STUDENTS SECURED FIRST POSITION IN NATIONAL ANVESHAN STUDENT RESEARCH CONVENTION

Hardik Ahuja and Shailesh Jaiswal, students of BSc Clinical Psychology, Amity Institute of Behavioral and Allied Sciences, Amity University Haryana secured first position in the National Anveshan Student Research Convention and have been awarded with a cash prize of Rs. 75,000.

Students have got through several levels to reach the final level. The event was organized by the Association of Indian Universities (AIU) on 15th & 16th December 2020. A total of 187 participants participated in the competition, and Amity students were adjudged first in the Social Sciences category with project titled "RAGE: A Model to Manage Road Rage Incidents in India." This project was prepared and presented by students under the guidance of Dr. Lokesh Gupta, Assistant Professor, Amity Institute of Behavioral and Allied Sciences, Amity University Haryana.

GUEST LECTURE ON 'AMALGAMATION OF BIOLOGICAL SCIENCE AND FORENSIC SCIENCE'

Corporate Resource Center organized online guest lecture series on Exciting opportunities beyond the boundary on 20th October 2020 by Dr. Tripti Bhatnagar, Managing Director, Codon Biotech Pvt. Ltd., Noida for the students of Applied Sciences. The main objective of the lecture was to provide a clear and concrete picture to the students about the relationship between Forensic Biology and Biological Science, explaining to them how this collaboration can help the forensics experts in studying the evidence collected from a crime scene and also in understanding the relationships between evidence. The webinar was beautifully divided into Forensic Serology, Forensic Entomology, Forensic Wood Sciences, Wildlife Forensics, Forensic DNA Fingerprinting, Forensic Microbiology, and Forensic Biochemistry. During the presentation, Dr. Tripti elaborated on these terms and explained the basic techniques involved during forensics investigation. She explained the concept with the help of case studies, images and recent examples.

She explained the strong connection between Forensics Sciences and Biological Sciences. She explained the other ways to conduct a criminal investigation, like by matching the pollen grains on the suspect which are found in the local area. One of the new terms introduced to the students was Forensic Wood Science. This particular branch shows its application in the forensic products supply chain to eliminate fraud and combat illegal logging. The term was well explained with real-world examples such as marketing and exporting of teak wood and rosewood from the US to China illegally.

Dr. Tripti described the Forensic Serology where bloodstain determination can be done by luminol or hydrogen peroxide which reacts with catalase enzyme. A detailed overview of forensic DNA fingerprinting was also explained. Dr. Tripti explained the various Biological techniques and handy tools to identify and match the DNA found on the criminal site with the existing records and determine if paternal or maternal profiling is needed.

Dr. Bhatnagar concluded the session by giving some real-life examples of the use of some of these molecular biology techniques which have been used in finding the maternal relationship with their children.

EXPERT TALK ON "PERSONAL BRANDING: HOW TO SUCCESSFULLY BUILD YOUR BRAND"

Corporate Resource Centre organised Expert Talk on Personal Branding by Mr. Vivek Sharma, Managing Director, Panasonic Life Solutions on 26th Nov 2020. Total 100 students from Amity Business Schools participated in the session.

The speaker was introduced by Ms. Ruby Singh and welcomed by Mr. Manoj Sahani, Director – Corporate Resource Center.

Mr. Sharma brought to life the session with his informative presentation wherein he shared details about Personal Branding and the various aspects and steps to build a personal brand. The students asked many questions relating to how to start building their personal brand, questions relating to the performance of the company products in the market getting affected, how an introvert can also build a personal brand etc. Towards the end, Mr Manoj Sahani, Director-CRC, AUH extended gratitude and thanked the guest for the informative session.

The session covered all the important core elements of personal branding namely:

- The difference between "who are you" and "thank you for being here"
- Core values of a brand
- Why developing a personal brand is necessary
- Prerequisites for personal branding
- Key to brand success
- 10 Rules of personal branding
- Steps to successful personal branding
- Footsteps of an expert
- How to re-invent your brand
- Creating a brand brief
- 10 best books on personal branding

Overall it was very informative session for all the students of management.



CONGRATULATIONS TO

MALLA SAINADH RAM NARASIMHA
B.TECH ECE (2019-21)
INTER OCEAN

MAYANK SHARMA
B.TECH ECE (2019-21)
FIS

ABHISHEK RATNA
B.TECH ME (2019-21)
SANDHAR

AMARENDR SINGH
B.TECH ME (2019-21)
amazon

SHIVAM SRIVASTAVA
B.TECH CSE (2019-21)
SCOOP

CONGRATULATES

Neha Yadav
BFA (2017-2021)
ADAMS APPLE

Sara Sharma
BFA (2017-2021)
V Care All

Yeshwani Yadav
BFA (2017-2021)
ADAMS APPLE

CONGRATULATIONS TO

VIVEK SINGH
M.Sc Bio-Tech
(Batch 2019-2021)

SUPRIYA
M.Sc Bio-Tech
(Batch 2019-2021)

SONAM
M.Sc Applied Chemistry
(Batch 2019-2021)

FOR BEING PLACED AT

FACULTY DEVELOPMENT PROGRAMMES 16

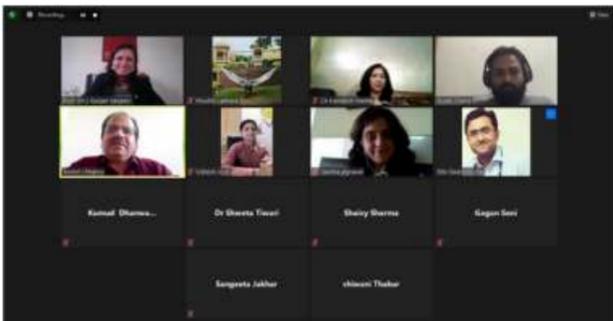
FACULTY DEVELOPMENT PROGRAM ON "WRITING EFFECTIVE ABSTRACTS FOR WHATT"

Office of International Affairs, Amity University Haryana organized a Faculty Development Program on "Writing Effective Abstracts for WHATT" on 09th Oct 2020. The objective of the session was to impart useful insights to AUH faculty members on writing effective abstracts for SCOPUS Indexed Journals, especially for Worldwide Hospitality And Tourism (WHATT) Journal, Emerald Publications, UK. Prof. (Dr.) Gunjan M. Sanjeev, Director, International Affairs welcomed the participants and discussed the shared Call for Paper in detail. She discussed following points in detail and advised authors to follow the same for writing Effective abstracts:

- Follow the topic of the theme and accordingly prepare relevant title and abstract
- Study some previous papers on the same theme to understand the requirement and the writing style of the journal
- Prefer qualitative and subjective analysis over numerical analysis for practitioner-based journals
- Research sample should include practitioners and policy makers from hospitality industry as WHATT demands practitioners' perspectives
- Active discussions with practitioners and policymakers should be preferred over passive data collections through questionnaires
- Focus should be that through your paper, the question of the theme issue should get answered
- Scope of Study must be based on the hospitality industry in India

Participants were overwhelmed by learning about the inputs shared by speaker.

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Office of International Affairs, Amity University Haryana organized a Faculty Development Program on "Writing Effective Abstracts for WHATT" on 09th Oct 2020. The objective of the session was to impart useful insights to AUH faculty members on writing effective abstracts for SCOPUS Indexed Journal, especially for Worldwide Hospitality And Tourism (WHATT) Journal, Emerald Publications, UK. Prof. (Dr.) Gunjan M. Sanjeev, Director, International Affairs welcomed the participants and discussed the shared Call for Paper in detail. She discussed following points in detail and advised authors to follow the same for writing Effective abstracts:

- Follow the topic of the theme and accordingly prepare relevant title and abstract
- Study some previous papers on same theme to understand requirement and writing style of the journal
- Prefer qualitative and subjective analysis over numerical analysis for practitioner-based journals
- Research sample should include practitioners and policy makers from hospitality industry as WHATT demands practitioners' perspectives
- Active discussions with practitioners and policy makers should be preferred over passive data collections through questionnaires
- Focus should be that through your paper, the question of the theme issue should get answered question form Call for Paper
- Scope of Study must be based on hospitality industry in India

Participants were overwhelmed by learning about the inputs shared by speaker.

GUEST LECTURE ON SYNTHESIZING SYNTHETIC LETHALITY IN NEXT-GENERATION PROSTATE CANCER THERAPEUTICS: A STEP TOWARDS PRECISION MEDICINE

Amity Institute of Biotechnology organized Guest Lecture on Synthesizing Synthetic Lethality in Next-generation Prostate Cancer Therapeutics: A Step towards Precision Medicine on 15th January 2021.

The main objective of the event was to introduce the students about human genome sequence-based precision cancer therapeutics and interaction with the cancer research group of AUH.

Dr. Navonil De Sarkar, Staff Scientist, Fred Hutchinson Cancer Research Centre delivered his talk on prostate cancer therapeutics.

He explained that for almost six decades, hormone deprivation therapy was the only targeted therapy option that was reported effective.

Other commonly adopted therapy options were radiation therapy and generic chemotherapies. Very recently, with the successful completion of a few deep molecular profiling of prostate cancer, the realistic scopes of precision medicine are now well realized. Metastatic castration-resistant prostate cancer (mCRPC) comprise a spectrum of subtypes defined by recurrent molecular aberrations.

DNA repair-deficient subtypes are notable for their vulnerabilities associated with exceptional responses to specific therapies. Homologous Recombination Deficiency (HRD) in a tumor sensitizes it to PARPi/Platinum (PLAT) therapies.

FACULTY DEVELOPMENT PROGRAM ON MULTIDIMENSIONALITY IN FORENSIC SCIENCE EDUCATION



Amity School of Applied Sciences organized Faculty Development Program from 26th December – 30th December 2020 on "Multidimensionality in Forensic Science Education".

The event was attended by more than 350 delegates from India as well Sri Lanka, Ghana, Nigeria, Somalia, Indonesia, Nepal, Egypt, Canada, United Kingdom and South Africa as detailed in the attendance sheet.

The major objectives of the event were to give a flavor multidimensionality of the field of forensic sciences to the participants.

Day 1 (December 26, 2020)

Prof. A. K. Kapoor (former VC, Jiwaji University, Gwalior, MP and Former HoD, Dept. of Anthropology, Delhi University, New Delhi) during his talk mentioned about the funding agencies of government of India with special reference to those that support research in the realm of FS. He also gave some suggestions for the improvement of the syllabus of FS courses. He emphasized about the development of common instrumental facilities by FSL/CFSL where the students from all over the country can benefit.

Prof. Sanjeev Lalwani, Registrar-Academics and Professor (JPNATC) Forensic Medicine, AIIMS, New Delhi, delivered an expert talk on "Forensic investigation of Road Traffic Accidents fatalities". He highlighted the objectives of medico-legal examinations of injuries resulting from road accidents.

Day 2 (December 27, 2020)

Dr. Adarsh Kumar, Professor-JPNATC, gave a session entitled "Collaboration

between Forensic Medicine and Forensic Science - Need of Hour for Criminal Investigation". During his talk he talked about how the process of investigation on a dead person is handled by police, doctors and finally by forensic experts.

Dr. Gaurav Gupta, Additional Director, Ministry of Electronics and Information Technology, GoI, talked about "Recent Trends in Digital Forensics". Dr. Gupta also explained the correlation of the intelligent human brain and poor sensory system that is the reason behind cyber frauds.

Day 3 (December 28, 2020)

Prof. A. K. Tripathi, HoD, Institute of Sciences, SAGE University, Indore, MP gave a lecture titled "Mental Health: Pandemic & Crimes". Starting with this extremely important and contemporary topic Prof. Tripathi reminded the audience about the age old concept of happiness through sharing. He beautifully analyzed the Indian tradition of painting 'Rangoli' where the need of the microcosm was also taken into consideration.

Day 4 (December 29, 2020)

The 4th day of the FDP started with the lecture of Mr. Gurcharan Singh, Faculty of Cyber Crimes, CDTs, BPR&D, Chandigarh. His talk was entitled as "Mobile Forensics- Recent Challenges". He initiated his session by highlighting the importance of original researches in mobile and cyber forensic considering the exponential rises in cyber-crimes, where criminals are using modern sophisticated tools like dark web and cryptocurrency.

Dr. Vaibhav Saran delivered a talk on issues and challenges faced in questioned document examination.

Day 5 (December 30, 2020)

Advocate Avneesh Garg, Senior Lawyer, High Court, New Delhi talked about "Evolution of Forensic Science - an Aid to Law". He also talked about the preparation of reports by forensic experts and their cross examination by lawyers in the court.

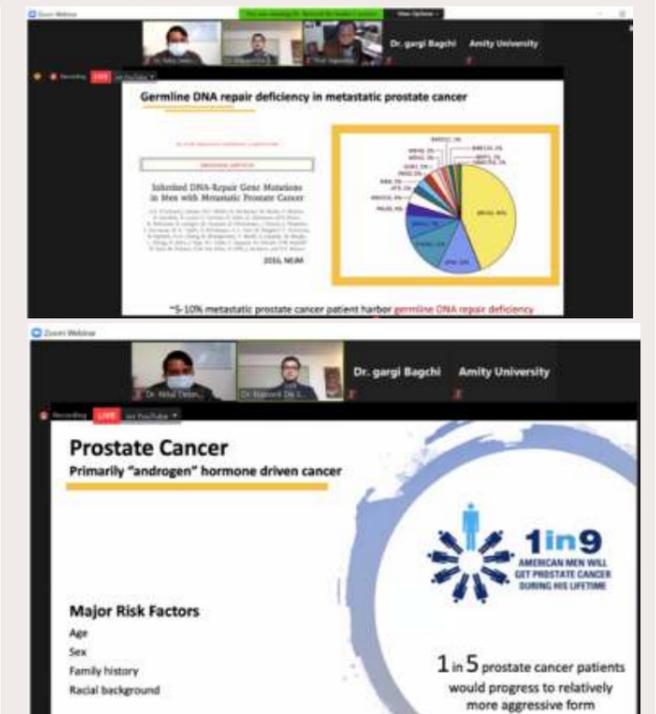
He concluded his talk by a making a statement that the forensic experts must be a half lawyer since they have to deal with lawyers. At the end, he addressed questions asked by the audience. The vote of thank was delivered by Dr. Richa Rohatgi, Dr. Seema R. Pathak, (HOD, CBSF) & Prof. A. K. Yadav, (HOI, ASAS).

SEMINAR SERIES ON HUMAN PLURIPOTENT STEM CELLS: TECHNOLOGY ADVANCES, THERAPEUTIC POTENTIAL AND TECHNOLOGICAL CHALLENGES"

Amity School of Applied Sciences organized seminar series on Human Pluripotent stem cells: Technology Advances, Therapeutic Potential and Technological Challenges on 23rd Dec 2020.

The main objective of the event was to inform students about Stem cells and their main roles in the production of different organ systems in organisms. They were informed about how to derive the iPSC lines with the karyotype analysis of the chromosomes and biomedical applications of stem cells for treating diseases like Sickle Cell Anaemia, etc. Dr. Arvind Chhabra, Professor and Director, Stem cell Institute, ASCI talked about human stem cells, technological advances, and therapeutic potential and technological advances. Students learnt about the stem cells, origin and formation of

zygote in human beings. The human embryonic cells make the three layers that are ectoderm, mesoderm and endoderm which basically help in the organ system formation. Embryonic cells have the ability to make the other parts of body also known as pluripotent stem cells. Students also learnt the concept of potency i.e. totipotent, pluripotent, multipotent, oligopotent and unipotent. They understood about importance of adult stem cells which help to replace the old cells with new ones. Beside this they also got the idea of technology used to generate pluripotent stem cells. Stem cells are used to cure diseases like cancer and Sickle Cell Anaemia and learnt many more applications. Overall the seminar was very helpful and highly informative.



He described about the therapeutic strategy primarily developed on the concept of "Synthetic Lethality." This treatment modality has received FDA approval for mCRPC patients harboring specific genomic aberrations in crucial DNA repair pathway genes. Surprisingly, recent clinical trials suggested mutation based HRD prediction is only 60% efficient

The classification model training was performed on 48 bi-allelic HR deficient tumors against 197 HR intact tumors. The method is an implementation of a nonlinear Gaussian kernel (radial)-based SVM classification framework. Post-training, iHRD analysis was implemented in 418 mCRPC tumors in the SU2C cohort and 139 mCRPC tumors in the UW-TAN cohort. Primary biological validation of the prediction efficiency was performed on 19 mCRPC derived prostate PDX lines.

He also mentioned about two-prong benefits with this accurate biomarker: omitted futile therapy efforts in patients who will not respond to otherwise expensive therapy options and identified a significant number of cases otherwise missed by mutation-based patient selection approach. Overall, with accurate biomarker development and adoption of an effective 'synthetic lethal inhibitor' therapy strategy, personalized medicine became a reality in prostate cancer.

Total 55 students and faculties attended the session.

WEBINAR ON CAREER OPPORTUNITIES IN CYBER SECURITY



Corporate Resource Centre organised session on "Career Opportunities in Cyber Security" and emphasized the importance of cyber security for all sectors on 29th October 2020. The session was conducted by Col. Inderjit Singh, Chief Security Officer, Vara Technologies.

Col. Singh brought to life the session with his informative presentation wherein he shared details about cyber security and the related career opportunities and skill sets to be honed with for a good career start.

Today the cyber threat remains as potent as ever and so is the persistent cyber security talent shortage. There have been major efforts to increase the supply of cyber security workers but demand has increased as well, which means cyber security talent is still expensive and hard to find. Cyber security job market is shaped by certifications, and job seekers of all experience levels can improve their employment opportunities by obtaining the relevant credentials. Training new workers is important, but the vast majority of jobs are filled by people already in the workforce. This is true both in and out of cyber security. Entry-level workers, for example, can obtain foundational certifications such as Security+, which represents an entry point into the field and is by far the largest cyber security certification in terms of total holders said Col. Singh. Experienced workers can target more advanced certifications such as CISSP, which requires holders to pass a rigorous exam and possess at least five years' of information security experience—common requirements among advanced certifications, he emphasized.

The students asked many questions relating to the different aspects of cyber security and job scenario. Towards the end Mr. Manoj Sahani, Director-CRC and Dr. Shalini Bhaskar Bajaj, HoD, ASET, AUH extended gratitude and thanked the guest for the informative session.

Total 200 students from various engineering departments participated in the session.

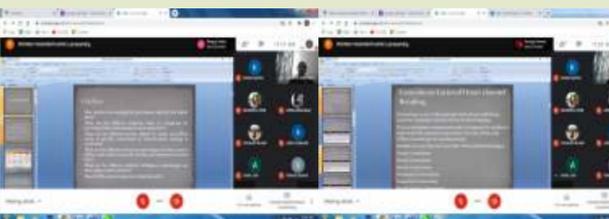
CORPORATE GUEST LECTURE SERIES ON "AIRCRAFT MATERIAL"



Corporate Resource Center organized guest lecture on Aircraft Materials- An overview on 1st Oct 2020 in which over 100 participants from Management and Engineering domain participated.

During the session Dr. Kishora Shetty, Lead - Engineering Technology Manufacturing, Aero Space, shared a very technical session on the various materials used in the manufacturing life cycle of an aircraft. He also discussed about the various technical properties and did the comparison of the same and how the choices are being made to use a particular material in a particular segment. He also discussed about the smart aircraft where the company is also putting various technological aspect in devising electric aircrafts.

GUEST LECTURE ON OMNI CHANNEL RETAILING FOR FASHION STUDENTS



Amity School of Fashion and Design Technology organized online guest lecture on Omni Channel Retailing for Fashion Students on 9th October 2020.

The students were introduced with the meaning of omni-channel retailing, its facts, technological advancements, changing shopping behavior and demanding customers.

The main purpose of the lecture was to impart knowledge about omni-channel retailing like, different convenience factors of omni-channel retailing; different services provided by online and offline channels, the technologies retailers are using to provide omni-channel experience to the customers, and different artificial intelligence technologies that help in omni-channel retailing. Total 50 students and 3 faculties attended the session. Overall, it was very interesting and informative session for fashion students.

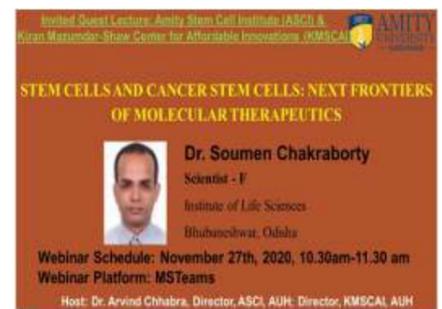
GUEST LECTURE ON STEM CELLS AND CANCER STEM CELLS: NEXT FRONTIERS OF MOLECULAR THERAPEUTICS

Amity Stem Cell Institute organized guest lecture on Stem Cells and Cancer Stem Cells: Next Frontiers of Molecular therapeutics on 27th November 2020.

The main objective of the event was to provide students, research fellows and faculty of AUH a glimpse of recent advancements in cancer research. In addition, students, research fellows and faculty were organized to provide them networking opportunities.

Dr. Soumen Chakraborty, Scientist- F, Institute of Life Sciences, Adjunct Associate Professor, Regional Centre for Biotechnology, Faridabad talked about recent research on cancer and also explained about how to increase network opportunities.

Total 10 students and 6 faculties attended the session. Overall it was very informative for all.



GUEST LECTURE ON 'THE CHANGING ROLE OF RADIO IN THE CURRENT TIMES'

Amity School of Communication organised an Industry Expert Lecture on The Changing Role of Radio in the Current Times conducted by renowned Radio Jockey, Ms. Divya Vasudev, Radio City, 91.1 FM on 16th October, 2020. Owing to the pandemic, the symposium was organised on virtual platform and was attended by around 65 participants.

Ms. Divya, is a media person, radio jockey, journalist and a versatile personality. Been a radio jockey for over ten years, she has led some award winning campaigns on radio like – New York Radio award, Indian Radio Forum award, Golden Mikes for PadYatra on menstruation, and Dil Deke Dekho on organ donation etc. She has also received the Dr. Radha Krishnan National media award for contributing to media and entertainment and is a TedX speaker and used the platform to let people know how powerful the medium of radio is.

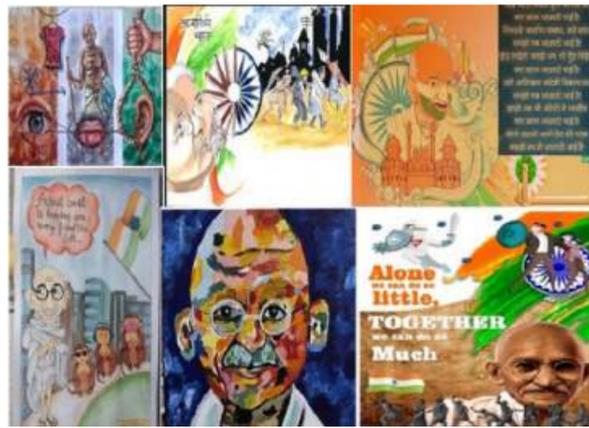
She gave an overview of radio as an industry in India and abroad. She talked about the importance of having a basic training in the area of speech renunciation, voice modulation and the basics of language. She emphasised

on the importance of having good communication skills in broadcast journalism and its role in enhancing the confidence of the broadcaster. She also talked about the changing role of Radio in the current times, especially during lockdown and pandemic, and its influence on resolving social issues. She advised the young broadcasters to be very particular while preparing any assignment and not letting their personal biases be reflected in their scripts.

She also talked about how to keep the interest of listeners alive in your show and to make it more relevant for them personally. She said, that being an intimate and informal medium radio has the power to bring a change in the psyche of the people in an entertaining way.

She emphasized that presentation must aim at understanding problems around us and finding possible solutions while having one-to-one conversation with your listeners. The entire session was coordinated and moderated by Dr. Preeti Singh, Asst. Professor, ASCO and students took a very keen interest in discussing their queries during Q&A session with RJ Divya.

ART COMPETITION ON "GANDHI'S IDEOLOGY"



Amity School of Fine Arts organized an art competition on the occasion of the birth anniversary of Mahatma Gandhi. The theme for the Art Competition was "Gandhi's Ideology". Total 32 students participated in the competition.

Today, Mahatma Gandhi is remembered for his passionate adherence to the practice of non-violence and his supreme humanism, in every corner of the world. He stated, "Many ancient Indian masters have preached ahimsa, non-violence as a philosophy". In this art competition students from Fine Arts, Fashion, ID and students with Fine Arts as Open Elective also participated.

Total 5 categories were decided for the competition. But submissions were received in only three categories. In the painting category, Ms. Mahasewata Biswas (Final year student) got 1st award, Bibhu Ranjan Mohanty was 2nd and 3rd was Raman Handa from 1st semester. In poster category, Ms. Shweta Janghu got 1st award, Ms. Nishu Chaudhary got 2nd award, and Anmol Yadav got the 3rd award.

All submitted work were very creative, sensible and emotional.

GUEST LECTURE ON APPLICATION OF NOVEL GOLD NANOSTRUCTURE FOR PHOTO THERMAL THERAPY IN CANCER

Amity Institute of Biotechnology organized guest lecture on application of Novel Nano- structure for Photo Thermal in Cancer by Dr. Abhijit De, Principal Investigator and Scientific Officer "F" Head, Molecular Functional Imaging, Laboratory ACTREC, Tata Memorial Centre, Mumbai on World Cancer Day, 4TH Feb 2021.

Cancer is the second most leading cause of death worldwide. In clinical practices most often therapies including chemotherapy, surgery, and radiation are still challenging and not satisfactory in regimens of clinical cancer therapy. However, the notion to 'Eradicate Cancer' has become a far-reaching goal with the realization of therapy resistance as the prime cause for cancer relapse. In this backdrop, cancer cells evading radiotherapy and chemotherapeutic regimen is very common. Even for the surgical procedures, release of cancer cells in the blood stream (circulating tumor cell) potentiating the chance of relapse at distant sites are also well-established facts. In this backdrop, Dr. De had focussed on a newly developed therapeutic procedure called Photothermal Therapy (PTT) for treatment of solid tumor. To perform PTT, multiple types of biocompatible and biodegradable gold nanosphere (Au-NS) materials were designed within the size range of 100-150 nm diameters. The design of Au-nanospheres are simple and the technology established using NIR photo-triggered procedure can destroy cancer cells within a very short span and with great precision.

Total 50 students and 30 faculties participated in the session. Overall the session was very informative and interesting for all the students.



GUEST LECTURE ON "INDIA ECONOMIC AND MANUFACTURING GROWTH POST COVID 19- PANDEMIC"

Corporate Resource Center organized online lecture on "India Economic and Manufacturing Growth Post Covid 19- Pandemic" by Mr. Mohit Sharma, Head- India & Global, Lighting Division, Jaquar Company Limited on 17th October 2020.

The main objective of the event was to provide exposure on economic and manufacturing aspects of various sectors contributing towards the growth of the economy and how the ecosystems of start-up are picking up heat as a major economic contributor and employment generator. The session witnessed around 50 participants from management domain.

Mr. Sharma emphasized on making the comeback from the negativity to positivity in the Covid-19 pandemic as slowly the economic activities are opening up. He touched base on the start-up ecosystems. He answered questions from the students around the start-up mechanism and certain related myths were busted by the speaker with his examples during the interaction.

NATIONAL PHARMACY WEEK-2020: "PHARMACISTS: FRONTLINE HEALTH PROFESSIONALS"

Amity Institute of Pharmacy organized National Pharmacy Week-2020: "Pharmacists: Frontline Health Professionals" between 18th-21st Nov 2020. The main objective was to disseminate awareness about various dimensions of Pharmacy as a profession among students. A total of 60 students and 9 faculties participated in the event. **Day1:** Group Discussion was held on the Role of Pharmacists in the Healthcare segment & Air Pollution as a menace in Delhi-NCR Region. Students from various semesters participated in the GD. **Day2:** Quiz competition was organized for the students of Pharmacy in which 4 teams participated from different semesters. **Day 3:** Extempore Talk was organized for the students. Himanshi of 3rd semester was the winner. **Day 4:** E- Poster Competition was organized on 21st Nov 2020. Sadaf of 3rd semester, B.Pharma was adjudged the winner of the competition.

AN INTERNATIONAL SYMPOSIUM ON CURRENT TRENDS IN COMPUTATIONAL BIOLOGY & DATA SCIENCE

Amity Institute of Biotechnology organized International Symposium on Current Trends in Computational Biology & Data Science on 4th November 2020. Total 64 students and 14 faculties from Amity University Haryana attended the symposium. This symposium was aimed at researchers working in the fields of Biological Sciences, Computational Biology and in Data Science as well as other research. Experts from various reputed institutes from India as well as different countries including Spain, Germany, Sweden and Switzerland delivered their talks in this symposium. The major objective of this event was to spread awareness about the importance of the emerging field of Computational Biology, Data Sciences and Artificial Intelligence. The symposium was inaugurated by Prof. Andrew M. Lynn, Dean of School of Computational and Integrative Sciences, JNU, New Delhi and Prof. Rajendra Prasad, Director, AIB, AUH. A keynote address was delivered on scope of Data Sciences and Computational Biology in tackling COVID19 by Dr. Dinesh Gupta, Founder and In-Charge of the Bioinformatics facility at International Centre For Genetic Engineering And Biotechnology, New Delhi followed by 7 other speakers which highlighted the importance of Data Sciences, Computational Biology and other related fields in

all aspects of human health and well-being. Please find below the details of their talks in brief:
Dr. Dinesh Gupta talked about the "Bioinformatics and Artificial Intelligence for COVID-19 research" that has been published by his group in ICGEB, New Delhi in the last six months.
Dr. Alberto Rezola talked about the "Key aspects to consider when developing a Data Science Project including a use case showing how to reduce bias in an observational study".
Dr. RK Brojen delivering his lecture on "Method for identifying key regulators in complex genome network".
Dr. Roshan delivered his lecture on "Comparative Genomic Analysis of SARS CoV-2 and Mycoplasma bovis: Exploring genomic datasets to gain insight into their genomic repertoire".
Dr. Vinod Singh delivered his lecture on "Mutational signature SBS8 predominantly arises due to late replication errors in cancer".
Dr. Ander delivered his lecture on Data Science and represented a real time case study with practical application in the industries.
 International symposium ended with a vote of thanks presented by Dr. Amresh Prakash.



VACHYA 2020: US-CHINA ECONOMIC DECOUPLING



PRESENTS VACHYA 2020 (WEBINAR SESSION) ON THE US-CHINA ECONOMIC DECOUPLING

KAMAL MADISHETTY
 Researcher | IIT Alum
 (Institute of Peace and Conflict Studies)

REGISTRATION LINK IN INSTA BIO @_arthshashtra_

Date: 16th October, 2020
Time: 3:00pm
Venue: Google Meet

Contact:
 Aditya - +(91)8178062648
 Ira - +(91)7683003969

Amity School of Economics, Amity University Haryana organized webinar on US-China Economic Decoupling on 16th October 2020 by Mr. Kamal Madishetty, Researcher, Institute of Peace and Conflict Studies.

Mr. Kamal Madishetty is a Researcher at the Institute of Peace and Conflict Studies, New Delhi, and specializes in Chinese affairs. His research focuses on contemporary issues of China's polity and economy. He has previously worked with The Economist Intelligence Unit, where his role entailed macroeconomic and political forecasting of various South Asian countries. He is an alumnus of the Indian Institute of Technology Guwahati and the Jindal School of International Affairs, Haryana. His views and writings have appeared on notable national and international platforms, including The Diplomat, CNBC, First Post, Swarajya, Daily Express and Caijing magazine. The session was further converted into a Question Answer round. Some of the questions asked were, 'In this pandemic, when all the nations seem to be against China how will it improve its relations with rest of the world?' Another question from the session was, 'What is the scope of economics in research?' The speaker responded nicely to these and all other questions.

THAI RECIPES LIVE COOKING DEMONSTRATION BY NESTLE

The Department of Dietetics and Applied Nutrition, Amity University Haryana, organized an online Live Cooking Demonstration of our favorite 2 minute Maggi on 16th October 2020 as a part of celebrating World Food Day by Ms. Deepa Seth, Nutritionist, Nestle. The event was organized with an objective of making students aware of Thai cuisine and the methods and ingredients used in cooking healthy and nutritious recipes. The students widened their knowledge about the various methods involved in cooking Thai cuisine. Three Thai recipes were demonstrated during the event namely Raw Papaya Salad, Thai Fried Rice and Vegetables in Thai Green Curry. Ms. Deepa made the students understand and know about each and every ingredient to be used and in the correct quantity and methods. The event was an interactive one where students were asking their queries and also giving feedback at the same time.



TWO-DAY WORKSHOP ON INSTRUMENTATION TECHNIQUES

Amity School of Applied Sciences, Amity University Haryana organized in collaboration with Faculty of Mathematics and Natural Sciences Universities Bengkulu, Indonesia and National Institute of Technology, Kurukshetra a Two-day Workshop on Instrumentation Techniques. Total 138 students and 15 faculties participated in the workshop.



AMITY SCHOOL OF APPLIED SCIENCES WELCOMED FRESHER'S IN ORIENTATION PROGRAM

Amity School of Applied Sciences welcomed its fresher's with an online orientation program. It gave fresher's an overview of ASAS and introduced them to career paths which can be undertaken after securing degrees in Applied Sciences. Briefing to fresher's, Dr. Anil Kumar Yadav, Director, Amity School of Applied Sciences gave an overview of the academic programs, achievements of the school, research infrastructure and learning resources, student achievements, major initiatives for students by school and its strength, internship opportunities provided to the students, minor tracks and degrees offered and career opportunities after BSc, MSc and PhD in various fields of Applied Sciences. It was followed by presentation of Dr. Sarika Jain where she briefed students on Amizone, registration procedure, document uploading, rules and regulations regarding grading, attendance, foreign language options, study abroad program, selection of minor tracks and open electives. She also introduced fresher's to the value added courses like Behavioural Science, Communication Skills and Environmental Studies. Thereafter, Learning Management System was introduced by Dr. Supreet.

This was followed by an introduction of all the faculty of the School belonging to the various departments to the fresher's through their recorded videos. Thereafter presentations from the very vibrant student clubs of ASAS took center stage. There was an interactive presentation by Aditi Jain and a Quiz by Vamika Soni, students of BSc Forensic Science and coordinators of the Forensic Locard Club. It was followed by a mesmerizing presentation from the Chemistry ChemClub and a short and informative introduction to the Maths Club.

All your teaching and learning in one platform Learning Management System "LMS"



VACHYA 2020: BLOCKCHAIN AND ITS IMPACT ON GLOBAL ECONOMY

Amity School of Economics organised Vachya 2020: Blockchain and its impact on Global Economy on 9th October 2020 by Mr. Aishwarya Gupta, Chartered Accountant and an Executive, Indian Institute of Management. He emphasized on the Blockchain and its impact on Economy in the coming future in all aspects which was further converted into a Question Answer round where the participants had an interactive session. Total 11 students and 5 faculty members participated in the event. Overall it was a very interesting and informative session for all attendees.



AMITY SCHOOL OF ENGINEERING & TECHNOLOGY ORGANIZED WEBINAR ON APPLICATION OF GEO STATISTICS IN GEO TECHNICAL ENGINEERING

Amity School of Engineering & Technology, Department of Civil Engineering organized webinar on Application of Geostatistics in Geotechnical Engineering on 24th February 2021 by Mr. Anil Kumar Mehrotra, Senior Consultant, Mineral Exploration and Resource Estimation of Deposits, AWR Llyod India Pvt Ltd. The principal objective of this webinar was to make students aware of the Geostatistics application for Geotechnical Engineers. Getting familiar with focused theme avenues of rock mass rating parameters and their application. Also, main focus was on the variance and minimization of the same to achieve the required objective. Mr. Mehrotra spoke on eostatistics in Geotechnical engineering, data considerations and requirements in Geostatistics, application of Geostatistics for estimation of rock mass rating (RMR) parameters, success story of application of Geostatistics in alignment of English Channel Tunnel project. The session ended with the question answer round by Dr. Naveen BP, Associate Professor & Head, Department of Civil Engineering, ASET, Amity University Haryana and a vote of thanks was presented by Ms. Sakshi Gupta, Assistant Prof., Department of Civil Engineering, ASET, AUH.

WEBINAR ON MASTER CLASS ON KICK STARTING YOUR FASHION CAREER

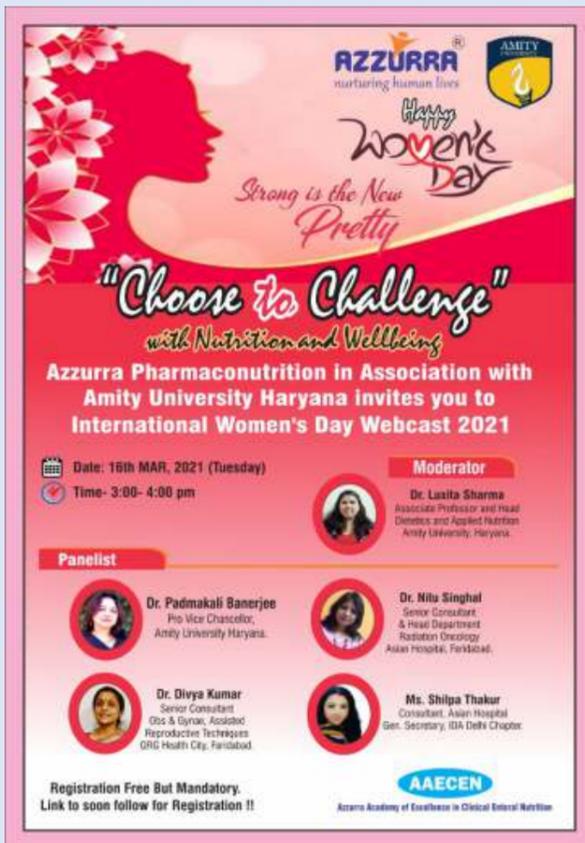
Amity Institute of Fashion Design and Technology organized Master Class on kick starting your Fashion Career on 14th December 2020. The webinar was for the students who want to start their career in the fashion domain especially the students of Amity School of Fashion Design & Technology. The session was interactive and was addressed by Ms. Tanmaya Goswami who is a Business Strategist & a mentor for fashion brands, manufacturers & professionals. She has given opportunities to the students to answer their queries through the session. The main objective was to make students understand how to overcome the myths those are holding them back. How to set their career in a fashion industry and how to get started in the fashion industry. Overall the event was very informative and interactive for all the students.



CHOOSE TO CHALLENGE- NUTRITION AND WELLBEING

The webcast was moderated by Dr. Luxita Sharma, Associate Professor & Officiating Head, Amity Medical School, along with the four panel members- Dr. Padmakali Banerjee, Pro Vice Chancellor, Amity University Haryana; Dr. Nitu Singhal, Senior Consultant & Head Department Radiation Oncology Asian Hospital, Faridabad; Dr. Divya Kumar, Senior Consultant Obs & Gynae, Assisted Reproductive Techniques QRG Health City, Faridabad; and Ms. Shilpa Thakur, Consultant, Asian Hospital Gen. Secretary, IDA Delhi Chapter. The participants of the webinar were patients of various hospitals, working nutritionists, alumni, PhD scholars, faculties and students of Amity University Haryana and other universities.

The program started with a brief introduction of all the panel members by Dr. Luxita Sharma. Prof (Dr) Padmakali Banerjee shared her insights about the coping strategies against stress and anxiety among women. She highlighted the value of planning and focusing on the goals for young generation. Dr Nitu and Dr. Divya answered the queries related to reproductive health, adolescent issues and self examination of breast cancer. This was followed by Q&A round. The participants asked various queries related to women's health, stress management, and dietary guidelines from the experts. It was indeed a very informative session as very sensitive topics came into light and were talked upon. The program ended with a vote of thanks from Dr. Luxita Sharma.



GUEST LECTURE ON EXPLORING HIGHER EDUCATIONAL OPPORTUNITIES AT SUN YAT SEN UNIVERSITY, TAIWAN

Amity School of Applied Sciences organized guest lecture on 'Exploring Higher Educational Opportunities at Sun Yat Sen University, Taiwan' on 2nd March 2021.

Prof. Chuang, Associate Professor, NSYSU Taiwan, started his presentation with the introduction of the National Sun Yet Sen University, Taiwan, and its different faculties and departments where the opportunities to pursue the higher education is available for the students from Amity School of Applied Sciences.

In the next part of the interaction, two current ASAS students, Mr. Amit Kumar and Mr. Rakesh Kumar presented their work on nanofibers as ideal materials for temperature sensor with the excellent properties. They briefly presented the method of preparation and characterisation of the nano materials and screen-printed electrochemical sensors for various medical and biomedical applications.

The session was opened for discussions thereafter. Many students asked questions to clear the ambiguities regarding the application process and finances at NSYSU and the scientific content of the subsequent presentation.

In total, 139 students and 7 faculties attended the informative and interesting session.



WEBINAR ON FUTURE LEGAL AND WOMEN IN CYBER SECURITY



Amity Law School organized a webinar on future legal and women in cyber security on 18th March 2021 by Maj. Kannu Pathania (Retd.), Global Head – Information Protection & Investigation, Wipro Limited.

The main objective of the webinar was to create awareness among young minds about the future of Legal Field in Cyber World and the contribution which women can make in cyber security.

Maj. Kannu Pathania (Retd.) began her lecture with a discussion about current legal scenario in cyber security. She shared her insight on the impact of Covid 19 pandemic on cyber security and said that "Pandemic has shifted the growth of decades in few weeks, in terms of digital transformation which may not have been possible otherwise in 2 years and this is just incredible". While discussing about the future of cyber security and its legal perspectives, she blended her technical experience with her legal accreditation and elaborately discussed-

- Concept of strategic business partner
- Organizational risk exposure of privacy, security, and ethics
- Changing talent and skill needs for legal analysts

- Exponential techniques adoption
- Scope for law engineers
- Advancement in Artificial Intelligence in legal profession including Contract Risk Analysis, Contract Exploratory Data Analysis, and Guided Compliant Contract Assembly etc.
- Legal & compliance techniques
- Technology strategy
- Analytics driven decision making

She spoke about the vulnerabilities and cyber security issues relating to women and remarked that the growing reach of the internet and the rapid spread of information through mobile devices has presented new opportunities that could put some women at risk, so it's important to be mindful of the dangers. She advised that such cyber crimes can be prevented through education on technology. She suggested means to securely use the digital media, creating strong passwords and spreading awareness about phishing emails, fake videos and sharing content on the internet which can help a lot in safeguarding women. She informed that there are Cyber Police in every district who women can contact seeking help.

She concluded with the advice for women to remain careful in the cyber space and to maintain privacy on social media and at workplace.

The address was followed with a Q&A session wherein participants asked many questions regarding cyber security issues and challenges and its overreach to vulnerable masses of society which were answered by the speaker.

Total 293 students participated in the session. Overall it was very informative and interesting session for students.

The webinar concluded with a vote of thanks proposed by Maj. Gen. P.K Sharma (Retd.), Professor & Director, Amity Law School and Dean Faculty of Law, who thanked Maj. Kannu Pathania (Retd.) for sparing her valuable time to address the participants.

PANEL DISCUSSION ON WOMEN IN LEADERSHIP: ACHIEVING AN EQUAL FUTURE IN COVID- 19 WORLD



Amity Institute of Behavioral and Allied Sciences organized panel discussion on International Women's Day.

The main objective of the event was to mark a call to action for accelerating gender parity. Significant activity is witnessed worldwide as groups come together to celebrate women's achievements or rally for women's equality.

Total 215 students and all the faculties of Behavioural Science and Clinical Psychology participated in the interactive event.

The discussion included addressing the issue of gender gap between leadership opportunities in our society and discussed about how women's contributions are often easily overlooked. Then the discussion was followed by another concern about the difference between leadership styles of men and women and why women can be the better leaders than men.

The discussion also focused on women's immense contribution as social supporters during COVID 19. A male panelist reflected his opinions upon the challenges which women had to face during these times. Another panelist discussed that how women leaders can bring better changes to the society. It was followed by throwing light on numerous barriers which women have to face to become a leader. The future of women as leaders along with certain examples, quotations and solutions were also discussed by one of the panelists.

CORPORATE RESOURCE CENTER ORGANIZED VIRTUAL INDUSTRIAL VISIT TO YAKULT DANONE INDIA PRIVATE LIMITED



Corporate Resource Center organized virtual industrial visit to Yakult Danone India Private Limited.

The objective of this virtual industrial visit was to make Amity University Gurugram students aware of the pro-biotic process and the international processes followed at the manufacturing and production levels through live interaction with the company personnel.

Mr. Yatish, Senior Manager, Yakult Danone India Private Limited briefed participants about the entire history of Yakult. He stated that Yakult has conducted more than 100 human studies and has been scientifically proven.

He also emphasized the benefit of the drink that can be consumed at any time of the day. He also briefed about the daily manufacturing capacity of 3 lakh bottles and the process of manufacturing in which first skimmed milk powder and glucose are mixed with hot water and sterilized and then the solution is cooled down to add the Lactobacillus strain. Further, the culture is then fermented and in the end sugar solution and Pectin are added and mixed with cold water.

Overall, the virtual industrial visit experience was very fruitful for all the students of Amity Business School, Amity School of Medicine, and Amity Institute of Pharmacy. More than 300 students attended the virtual industrial visit.




GUEST LECTURE ON INTRODUCTION TO LAND ACQUISITION LAW IN INDIA

Amity School of Architecture and Planning organized a guest lecture on Introduction to Land Acquisition Law in India on 25th March 2021.

The objective behind the lecture was to make students aware of the Land Acquisition Act. The amendments made to the Act from time to time. And also highlight the compensation procedure.

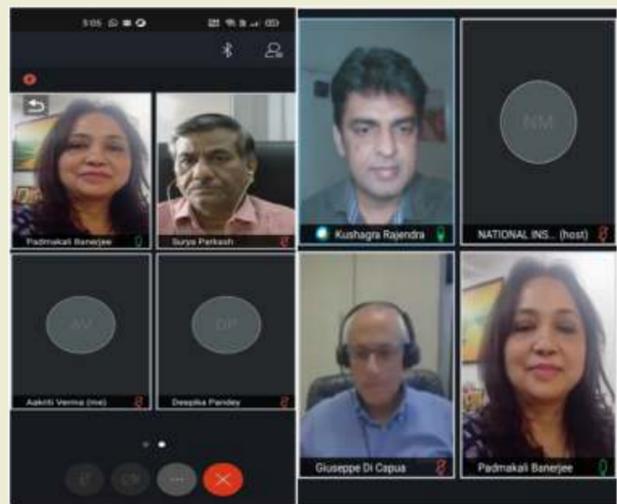
Dr. Shiv Raman, Assistant Professor, Amity Law School explained the concept of the Land Acquisition Act. The controversies related to land acquisition with the timeline were highlighted in the lecture.

He shared the process involved in land acquisition in detail by giving suitable examples. A comparative study between Land Acquisition Act - 1894; Land Acquisition, Rehabilitation and Resettlement Act - 2013; and Land Acquisition, Rehabilitation and Resettlement Bill - 2015 was also discussed in detail to highlight the drawbacks of the Act.

Total 70 students and 7 faculties attended the session.



INTERNATIONAL GEOETHICS DAY 2020



Amity School of Earth and Environmental Sciences celebrated International Geoethics Day on 15th October 2020. The event covered all aspects of Geoethics dealing with the ethical, social and cultural implications of Geosciences knowledge, education, research, practice and communication, while providing a point of intersection for Geosciences, Sociology, Philosophy and Economy.

The aim of the International Geoethics Day was to raise the awareness of the geoscience community and society as a whole about the importance of ethical, social and cultural aspects of Geoscience knowledge, research, practice, education and communication.

Maj. Gen. Manoj Kumar Bindal, Executive Director, National Institute of Disaster Management; Mr. V.S. Prakash, Former Special Director, Karnataka State Natural Disaster Monitoring Center, DST; and Dr. Surya Prakash, Head, Research Training, Teaching, and Academic Consultation, Giuseppe Di Capua, Geometeorological Risk Management Division-NIDM, Research Unites Coordinator were the eminent speakers. An elaborated discussion happened on

- Geoethics consists of research and reflection on the values which underpin appropriate behaviors and practices, wherever human activities interact with the Earth System
- Geoethics deals with the ethical, social and cultural implications of Geoscience knowledge, education, research, practice and communication, providing a point of intersection for Geosciences, Sociology, Philosophy and Economy
- Geoethics represents an opportunity for geoscientists to become more conscious of their social role and responsibilities in conducting their activity
- Geoethics is a tool to influence the awareness of society regarding problems related to geo-resources and geo-environment

PANEL DISCUSSION ON FUTURE FOCUSED LEADERSHIP FOR SCHOOLS & UNIVERSITIES

Amity University Gurugram organized panel discussion on Future Focused Leadership for Schools and Universities on 25th March 2021.

The main objective of the event was to discuss the issues existing in present teaching system and its solutions.

Prof. Dr. Padmakali Banerjee, Pro-Vice Chancellor, Amity University Haryana, welcomed the panelists and shared her vision to unfold the new academic year with lots of positivity and passion after the pandemic effects on the education Industry.

She mentioned that the Education sector has gone through a lot of changes during the pandemic such as IT skills, leadership, teaching methods, new education policy, and guidance.

Enlightening the topic and focusing on NEP, she added that the education system needs teachers to be more skilled and equipped to deliver the students, the school should be providing proper exposure such as practical labs, helping them in learning the new software, exposure to students for innovation, introducing the entrepreneurship at the school level, imbibing the Sustainable Development Growth goals and focusing on the mental and behavioral health of the students to give the future leaders.

She also mentioned the importance of aspects such as teaching risk-taking, design thinking, intuitive learning spirit, project making, and teaching the importance of IQ & OQ, and how to connect with the experts and shared that how school students take mentorship from the college senior students on the given projects by the school to them.

Mr. Trilok Singh Bist, Principal, Delhi Public School, Ghaziabad, Vasundhara discussed about why the early days of school is important for students during which the responsibility of learning is entrusted on them to develop skills. He said that schools should maintain optimal student teacher ratio and need to prepare bridge between schools in rural & urban areas and

between private & government schools. He also suggested improvements in few areas like, need of model schools in remote areas, Professional Learning Development Program for teachers for every schools.

Ms. Neha Singh, Director, St. Kabir School, Hisar: In line to the topic of the

panel discussion Ms. Neha gave detailed view on how teacher's quality is as important as student's learning outcomes. She added that teachers should be trained on how to address the students and also emphasized on the topic that teachers are trained following age-old education systems and are not ready for global changes.

Dr. Pawan Goyal, Chairman, Mount Litera Zee School, Rewari emphasized on the issues faced by leaders in recruiting good teachers for schools. He also discussed about the fact that most teachers are not by choice, but by compulsion, and therefore it's a challenge to make them good skilled teachers.

Dr. Nandita Kathuria, Principal, Euro International School Sector-84, Gurugram, put her views on "Growth and development of people is the highest call of leadership" and she is highly satisfied with NEP policy introduced by Government of India and believes that teachers are the backbone of the schools and they can change the society".

Ms. Ramanpreet Kaur, Principal,

RPS, Dharuhera shared her words of wisdom on the concept that there is difference between rural and urban education systems. According to her education should not be divided into rural or urban education, and for that matter the differences in education system amongst all boards like CBSE, ICSC and various state boards are also not conducive to impart fair and equal education to all.

She concluded that there must be a single common board throughout the country to impart effective, equal and fair education to all.

Mr. Sachin Juneja, Director, Market Promotions moderated the session and gave vote of thanks to all the panelists for their valuable time, knowledge wisdom on future focussed leadership for schools and universities.



SEMINAR ON CHEMISTRY AND RENEWABLE ENERGY: BRIDGING THE GAPS

Amity School of Applied Sciences organized Seminar on Chemistry and Renewable Energy: Bridging the gaps on 13th January 2021.

The main objective of the session was to spread awareness about renewable energy and the different types of it like solar energy, wind energy, etc. and how Chemistry could be applied in this domain of knowledge. Students also understood how to increase the efficiency of the batteries. This seminar gave information about energy, and the law of conservation of energy which states that "energy can neither be created nor be destroyed but can be converted from one form to another".

Students also learnt that the solar panels which are generally blue in color

can be made red, yellow, etc. by using dye materials which will also work on the same principle i.e. used to convert light energy into electrical energy.

Even nanomaterials can be used which will enhance the efficiency, due to small size and large surface to volume ratio. Even the batteries can be improved i.e. their efficiency can be increased so that they can be utilized during the winter or monsoon season when sunlight is not much present and solar water heaters are not effective.

This seminar was very interactive and informative. Total 50 students and faculties attended the seminar from Chemistry branch of applied sciences.

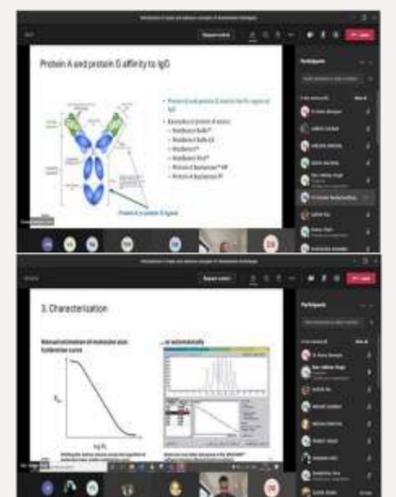
STUDENT TRAINING WORKSHOP ON "INTRODUCTION TO BASIC AND ADVANCED CONCEPTS OF DOWNSTREAM TECHNIQUES" AS PART OF THE GE HEALTHCARE FOUNDATION WORKSHOP ON BASIC PROTEIN PURIFICATION AND CHARACTERIZATION

Amity Institute of Biotechnology organized workshop on "Introduction to Basic and Advanced Concepts of Downstream Techniques" as part of the GE Healthcare Foundation workshop on Basic Protein Purification and Characterization on 23rd and 24th November 2020 by Dr. Siva Sivapathasekaran and Dr. Vaibhav Singh Bais, Lead Trainer, Cytiva (formerly GE Healthcare Life Sciences).

The main objective of the training was to introduce students to the essential chromatographic methods used in protein purification and help students design strategies for protein purification.

The two sessions on 23rd November were conducted by Dr. Vaibhav Singh Bais, Lead Trainer, Cytiva. He introduced students to the fundamentals of Ion Exchange Chromatography and Size exclusion chromatography emphasizing on the principle, technique, equipment setup and data analysis associated with it.

The sessions on 24th November were conducted by Dr. Siva, Lead Trainer, Cytiva. His first session consisted of discussion of the principles and applications of affinity chromatography citing examples like Protein A and Protein G affinity towards IgG, IMAC for His-tagged protein purification etc. His second session was focussed on designing the purification strategies for protein of interests. He discussed the three-stage purification strategy, namely capture, intermediate purification and polishing, and linking of chromatographic techniques with each step. Total 23 students and 2 faculties attended the session.



STUDENT ACHIEVEMENT

#StudentAchievement

Hardik Singh Ahuja & Shailesh Jaiswal, students of BSc Clinical Psychology, have secured the first position in the National Anveshan Student Research Convention, organized by the Association of Indian Universities (AIU). Winners have received a cash prize of Rs. 75,000/-. A total of 187 participants participated in the competition & Amity students were adjudged first in the Social Sciences category with the project titled "RAGE: A Model to Manage Road Rage Incidents in India." This project was prepared and presented by students under the guidance of Dr. Lokesh Gupta, Asstt. Professor, **Amity Institute of Behavioural and Allied Sciences**.



Mr. Saurabh Chaudhary, BArch 8th Sem., Amity School of Architecture and Planning secured prestigious position among the winners of the Quiz conducted by 'Locator India' | 'How to Festival 2.0.' on 27th February 2021.



Mr. Shivendu Kumar, B.Planning (2016-2020) Amity School of Architecture and Planning gave a talk in an interactive Online Ideathon organized by National Institute of Urban Affairs (NIUA), Delhi in 2020. This webinar received entries from the students of various eminent institutes such as SPA-Delhi, CEPT-Ahmedabad, IIT-Roorkee, TISS Mumbai, JNU-Delhi and NIRMA University.



Tanuj Joshi, student of Mechanical Engg., ASET received YOUNG RESEARCHER award & RESEARCH EXCELLENCE award by the Institute of Scholars Awards 2021.

CONGRATULATIONS TO

- PRAGATI PARASHAR**, M.Sc Applied Chemistry (Batch 2019-2021)
- SHWETA YADAV**, M.Sc Applied Chemistry (Batch 2019-2021)
- LAVI PATHAK**, M.Sc Environmental Science & Management (Batch 2019-2021)
- PARMINDER KAUR**, M.Sc Environmental Science & Management (Batch 2019-2021)

FOR BEING PLACED AT **FARELABS**

#AmitySpotlight

Students from **Amity School of Languages** participated in the "Traditional Days of Russian Language, Literature and Culture" event. Its student team led by Mr. Subhash Kumar (Assistant Professor, Russian language) bagged 1st prize in the Quiz competition on "Russia – The First Country in Space", Russian Costume competition, & Poster making competition; & also won 3rd Prize in Russian Dance competition.



Palak Arora, a brilliant student of MA English in 2018-2020 batch cleared her UGC NET examination in 2020. Palak has also published a couple of research papers in reputed journals.

Mansi, a hardworking and sincere student of MA English 2018-2020 cleared her NET examination in 2020. Mansi has also published a couple of research papers in the reputed journals.

Chaman Rathi, student of BA Pol. Sc., VI Sem., participated in a tournament named as "Baba Challenge Cup". It was the 18th edition of the tournament and was held in the city of Amethi in Uttar Pradesh. The team "AJIT ASK 11" performed very well and won all group stage matches. Chaman was declared "Man Of The Match" and the team clinched the trophy and won a cash prize of 1,00,000/-



Chaman Rathi, student of BA Pol. Sc., VI Sem., participated in an inter-city tournament held in the month of January named "Suthani Tournament". His team "Ajit Ask 11" won the title of the tournament by defeating the team of Gurugram in the semi final and the team of Rajasthan in the finals.



Neeraj Kumar, BA English, IV Sem., published a self-help book titled "Conquer Yourself" co-authored by Shyam Kumar on 24 Nov 2020.

Prasoon Khand, BA English, VI Sem., won the Bronze Medal in 17th WAKO Delhi State Kickboxing Championship on 27-28 February, 2021



#StudentAchievement

Kavya Ahuja, student of MSc Clinical Psychology has multiple Publications & Books Chapters to her credit. "I am thankful to the Amity Fraternity for their continuous support & guidance" says Kavya.



Dhruvraj Singh Bhati (PGDJMC 2020-21)

It was the August of 2020, when Dhruvraj Singh Bhati (PGDJMC 2020-21) and two of his friends, who own a YouTube channel / production house (Rangmanch Productions) decided to work on a mini-series titled - Avali. Avali being a mini-series, was something in a first, that Dhruvraj was directing and conceptualising; he had worked on many short films and promotional videos before but a mini-series was just a whole new level, considering that the country was undergoing the pandemic during those months. This project was shot over three different cities / towns and Dhruvraj undertook various roles to make this idea come to life alongside his production crew. A few of these included - scripting, storyboarding, shooting, acting, editing, colour grading and working with the music artists to get an original soundtrack for this project. Avali, thus became the first-ever mini-series of Jodhpur, Rajasthan made by Rangmanch Productions.

Arijit Roy a student of PG Diploma in Journalism and Mass Communication (PGDJMC 2020-21): Published four poems in Sahitya Akademi Bimonthly literary journal - Indian Literature.

He is also the author of a book titled 'In the Hour of Sky' published by Writers Workshop India in 2018. He is a well-known name in the Delhi poetry circuit, and has been invited to perform at Mayo College Ajmer and IIT Delhi among other reputed institutions.

Ms. Priyanka D. Bhojar, an MTech (Atmospheric Technology and Climate Management, ATCM), 4th semester student of ACOAST-AUH, is carrying out her Dissertation work at National Environmental Engineering Research Institute (NEERI), Nagpur on the topic "Bio-aerosols: Potential Impacts on Environment and Human Health". Bio-aerosols are small airborne particles (ranging from 1 nm to 100 µm) with a biological origin, and can contain pathogenic and/or non-pathogenic microorganisms, dead or alive, as well as parts of living organisms. The experimental area and the method of bio-aerosol sampling using an Airmetrics MiniVol Air Sampler over a landfill site, situated at Bhandewadi, Nagpur, Maharashtra, are displayed in Figures 1 and 2. Figure 3 depicts the laboratory analysis of air samples for determining their structure and concentration to identify microorganisms and their potential impact on human health.



Figure 1: Sampling site at Bhandewadi MSW site, Nagpur, Maharashtra.



Figure 2: Airmetrics MiniVol Air sampling of Bioaerosols at the study site.



Figure 3: Preparing media plates for biological analysis of collected samples.

Hardik Singh, Ahuja Shailesh Jaiswal and Lokesh Gupta were awarded for the research paper titled Development of Stems for an SJT-based measure to assess the propensity of Road Rage in Indian Drivers Award: Runner up for the Bharat Panchal Award for Excellence in Psychological Research (2020) organized by Department of Mental Health and Behavioural Sciences Fortis Healthcare in association with GD Goenka University. Prize: 20,000/-



Siddharth Kohli - BHM, 2016-20

Started his own catering business while pursuing BHM and presently opened a Bakery & Confectionary unit in Gurugram offering high standard products for customers.



Vikas Kushwaha - BTM, 2016-20

Started his own Travel Agency while pursuing BTM. Presently offering Tour Packages for both Corporates & Families. He also created job opportunities for young aspirants.

GRADUATE DESIGN COLLECTION : FASHION STUDENTS

22

LIFE ISN'T PERFECT
BUT OUR OUTFITS CAN BE!



They help us dream, express, communicate, take pride
And yes!!!!
Most importantly they help us to live a happy life.

Amity School of Fashion Design & Technology is proud of its VII Semester students, who despite ever changing lockdown policies, unending quarantines, and uneven access to technology and connectivity worked hard and presented their Graduate Design Collection- 2021.

Many of the student designers had a conscientious response to the climate crisis and made ethical choices about the fabrics & accessories they used in their collections.

Inspiration for most designers' collections came from a slow-paced world as the cities went into lockdowns and Coronavirus subsumed our existence.

Alexander McQueen, the iconic Fashion Designer once said – "Fashion should be a form of escapism, and not a form of imprisonment."

STUDENT SPOTLIGHT

ALUMNI SPOTLIGHT



Mr. Nihal Rao
(Legal Manager)
Reliance Jio Infocom Pvt Ltd.
Amity Law School Batch- 2018

"Amity University Gurugram equipped me with multi-dimensional skills and provided with a platform to interact with like-minded peers, intellectuals, and eminent persons of industry. Learning during the 5-year course was fascinating as most of the course work is based on case studies, group discussions, knowledge sharing with peers and finally applying those learning's to the industry through an internship at renowned law firms and lawyers."



OUSMAN MARR
B.SC CLINICAL OPTOMETRY 2013- 17
CONSULTANT OPTOMETRIST & CONTACT LENS,
GRANDVISION NV, NETHERLANDS

"Throughout my 4th year of optometry training, I had the opportunity to directly evaluate hundreds of patients and become proficient in all areas of optometric patient care. The high volume of clinical education that Amity University Gurugram offers its students provides the base to become a fully autonomous optometrist capable of giving comprehensive care."



#AmitySpotlight

"When my role as a photographer transitioned into an event coordinator, actor and volunteer, I didn't even realize but I know that it has helped me acquire many leadership roles. And for that I am grateful." Says Dhananjay Gautam, Student BJMC (2019-2022), who aside from his academic efforts, started doing photography part-time from where he went onto taking many roles at the numerous clubs present here at #AmityUniversityGurugram.



"Being a part of AmityUniversityGurugram was so much more than just being a student. Everyday was a new experience, knowing new people, being available for someone when they needed you, being happy for others & encouraging their growth. But most of all, the University taught me how to manage my life without my parents' help and become independent.

I would say "change is essential, and one should always be open to embracing new experiences" says Rashmi Joshi, student of BA (H) English Literature 2017-2020.

STUDENT LENS

#StudentLens captured by Amarjeet Kumar Roy

The many colours within the academic block vouches for the vibrancy of the beautiful #AmityUniversityGurugram campus. Share campus shots with us or tag the official handles and get a chance to be featured! Entries can also be submitted by emailing us at amityunivgurugram@gmail.com.



#StudentLens #AmityUniversityGurugram

Captured by Ashish Kataria, Student ASCO

Share campus shots with us or tag the official handles and get a chance to be featured! Entries can also be submitted by emailing us at amityunivgurugram@gmail.com.



#StudentLens

"The Sky Diaries" at #AmityUniversityGurugram, clicked by @benjaminbejju. Share campus shots with us or tag the official handles and get a chance to be featured! Entries can also be submitted by emailing us at amityunivgurugram@gmail.com.



#StudentCreativity

A beautiful painting created by Bhoomika Sharma, student BA (J&MC) 6th Semester.



#StudentLens

#AmityUniversityGurugram

Credit: Hridyansh Vaid, student BHM 4th Semester



#StudentLens captured by Madhav Singh B.Tech (Civil) 2019-23

A wide shot of the #AmityUniversityGurugram campus, filled with power, beauty and grace.

Share campus shots with us or tag the official handles and get a chance to be featured! Entries can also be submitted by emailing us at amityunivgurugram@gmail.com



#SkyDiaries #StudentLens captured by Shoeb Nizam, student BASLP(ASM) 2019-23.



#StudentLens captured by Vidhi Sharma (BASLP 2019-23). The actual visual representation of Cotton Candy in the sky. One of those beautiful days at the campus when 'The Sky is Pink'.



#StudentCreativity

3D Artwork using Cinema 4D by Yatin Yadav, student B.Sc Animation & Visual Graphics.



STUDENT SPOTLIGHT

#AmitySpotlight

"Die on the stage, but do before you die', this quote is what I live by, especially when I perform on stage. For someone who has always had stage fright, #AmityUniversityGurugram helped me finding my true self and to rise above fear. Amity Dramatic Society, "Dramebaaz", put me under the spotlight on the stage. It made me a better actor with each and every skit & play. It has been around two years since my journey began and now I have been appointed as the President of this Society. My growth here has been truly unexpected" says Aditya Kaushik - BA(J&MC) 2018-2021.



#AmitySpotlight

Ashish Singh, student BSc Forensic Science (2019-2022), is famous for his hard work whether it is as a student; as an actor of Ek Awaaz; as a part of many youth empowerment clubs such as Yuva and Shakti; as an anchor; or as a major part of the current cultural team at #AmityUniversityGurugram. His work ethic and zeal to produce the best work in no time is something he has learnt from his many roles at the university. "Making things possible is

what we do here at Amity. I came to this college to learn, and that learning has come to me in the form of teachers, friends and activities. My college life is as it should be - full of fun, excitement and learning" says Ashish.



#AmitySpotlight

"Life at #AmityUniversityGurugram was absolutely great. I have made some amazing memories that I will cherish for the rest of my life. I also joined Ek Awaaz, Amity's Dramatic Society, in my third year and found a passion in acting. This journey taught me a lot, every lesson and every memory made here will be unforgettable. That journey has equipped me for real life and the challenges that await me" says Daksh Malhotra, BTech CSE (2016-20).

#AlumniAchievement

"As a student, I always wanted to do something on my own. When I enrolled myself for MTech Biotechnology(2016-18) at #AmityUniversityGurugram, I had only one thing in mind, maximum utilization of the time to understand the inner know-how of medical diagnostics. The faculty at **Amity Institute of Biotechnology** has the highest number of teachers with international experience, which helps in building vision. The vibrant campus life also helped building my confidence, leadership qualities, and networking. At the end of the day, these were my aces when I started Nvk Diagnostic And Research Centre. Today, as the Director of the organization, I must admit that those early years made me what I am today" says Divyanshu Arya.



#AmitySpotlight

Hitarthi Sukhija, student BASLP 2017-21, vouches for the roller coaster last three years were but #AmityUniversityGurugram gave her numerous experiences that she's thankful for. From Modelling in her first Amifest, to grasping many research opportunities in the field of Speech Language Pathology, organizing various Department Events and to working hard academically whilst being one of the founding members of Shakti: a social welfare club at college, her experience has not been short of amazing.

"Regardless of the ups and downs, I am grateful for all the amazing people I have met in this journey. Whether it was academically or extracurricular, it was an honor to have been a part of such great milestones and doing my bit" says Ms. Sukhija.



#AmitySpotlight

"From going for numerous hospitality events across the nation to winning a cooking competition during AmiFest 2020, I feel blessed to be a part of #AmityUniversityGurugram. Even while the whole world was locked down, we kept unlocking the endless opportunities & switched to the online mode; initiated Mission Poshan; educated the underprivileged and spread awareness about the LGBTQ+ with Saraj Foundation. I became President of debating and social responsibility club, YUVA and then planted more than 500 trees as a part of 'तीन वर्ष-तीन वृक्ष' campaign.

It's been a phenomenal journey & I can never be thankful enough for all that Amity is giving me" says Hridyansh Vaid (BHM 2019-23).

#AmitySpotlight

In any online or offline event of #AmityUniversityGurugram, you will find Lakshya Mall, student BTech+MTech (AI&ML), 2019-2024 working sincerely behind the scenes. A cocktail of his passion in technology, diligence and assiduity has made him an invaluable asset in the events, under the supervision of the Dean of Student Welfare. His involvement in various social welfare and cultural societies around the University is vast. He is also the Vice President of a women empowerment club called Shakti. "My passion in events has ultimately stemmed from my passion in engineering. I have gotten numerous opportunities at Amity Gurugram that I want to do justice to" says Lakshya.



FACULTY ACHIEVEMENT 24



Prof. Dr. P.C.S Devara,
Head, **Amity Centre of Ocean and Atmospheric Sciences** received:



- a) Lifetime Achievement Award by VGOOD Professional Association, India on 19-20 December 2020
- b) Best Research Award by ScienceFather (SF), Approved and Registered by Ministry of Corporate Affairs (MCA), Govt. of India on 12 February 2021
- c) Best Reviewer Award for the Journal "Atmospheric Research" by Elsevier (The Netherlands) on 14 March 2021



Dr Kamini C Tanwar,
Head of Director, **Behavioral Science** participated in the international conference organized by St. Wilfred's P.G. College, Rajasthan



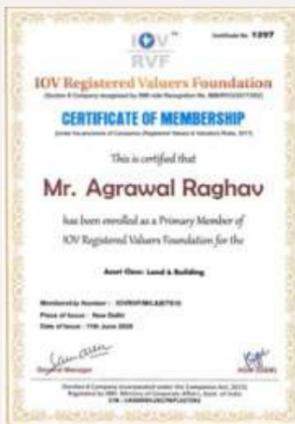
Prof (Dr.) Komal Verma
Professor,
Amity Institute of Behavioural and Allied Sciences
Received Research Excellence Award (Health Care) 2020.



Ar. Raghav Aggarwal, Assistant Professor, **Amity School of Architecture and Planning** got registered as a primary member of the Institute of Valuers, India. The Institute of Valuers serves recommendations on valuation procedures to governmental as well as non-governmental organizations, and develops standards in asset valuation.



Ar. Raghav Aggarwal



Rupali Sharma,
AIP



Prof (Dr.) Rajesh Nair,
Director, **Amity Institute of Behavioural and Allied Sciences** received:



- a) Certificate of Appreciation by All India Institute of Ayurveda (AIIA) as a Resource Person
- b) Certificate of Appreciation in International Conference by Department of Higher Education (DHE), Government of Haryana (GoH), Panchkula
- c) 1st position under the Best Oral paper presentation in International Conference jointly organized by ESDA, University of Delhi, CSIR, National Environmental Engineering Research Institute (CSIR-NEERI), UN Environment

Mr. Siddharth P. Bettajewargi honored by the state government of Andhra Pradesh at 'Hyderabad Literature Festival' in January 2021 for his paintings 'Prakrati - 1' and 'Prakrati -2'. His paintings are depicting women freedom and relating it with a bird's freedom to fly.



Mr. Siddharth P. Bettajewargi

Furthermore, Mr. Bettajewargi also remained one among the 200 Indian artists in 2020 who got selected to showcase and publish their art in a book on Indian Art During Lockdown Period, published by Creative Minds publications, New Delhi. He sketched his family members who all were in three different states of Maharashtra, Karnataka and Haryana, miles away from each other during the lockdown in 2020.

Dr. Shaili Srivastava Nigam wrote 2 books with prestigious publication:

1. Environmental Microbiology and Biotechnology - Volume 1: Biovalorization of Solid Waste and Wastewaters , 2020, Springer Nature Singapore Pte Ltd., ISBN No. 978-981-15-6020-0
2. Environmental Microbiology and Biotechnology - Volume 2: Bioenergy and Environmental Health 2021, publisher Springer Nature Singapore Pte Ltd., ISBN No.978-981-15-7493-1



Dr. Shaili Srivastava Nigam



Dr. Khushboo Tripathi,
Assistant Professor,
Amity School of Engineering and Technology



Dr. Naveen.B.P
Associate Professor, **Amity School of Engineering and Technology** received:

- a) Senior Educator & Scholar Award by National Foundation for Entrepreneurship Development (NFED) on 5th Sept 2020
- b) Sir M Visvesvaraya Award 2020 for Best Academician by Smart Infrastructure Engineering Service Trust



Dr Sarvepalli Radhakrishnan award to **Dr. Suniti Sood,** HOD, ASFDT for her excellent contribution in the field of education.



AMITY FOR SOCIETY

#AmityForSociety
Saraj Foundation, an NGO founded by the student of #AmityUniversityGurugram, has adopted 50 children & will work towards their holistic development. These children are a part of Udaan, a University based club that encourages educational and cultural development.

On the occasion of New Year, Saraj also donated stationery kits and blankets at the slum area behind the University.



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Sara Sharma
BFA (2017-2021)



Yeshwani Yadav
BFA (2017-2021)

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MA ECONOMICS (Batch 2019-21)

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 Business News This Week | Education | Leaders should act fast in times of crisis, says Dr. Brian McGarrie, University of Birmingham

BUSINESS NEWS THIS WEEK
Amity University Gurugram Advancements & Modern Innovations in Engineering and Technology
 Business News This Week | Education | Amity University Gurugram Advancements & Modern Innovations in Engineering and Technology

INDIA TODAY
5 education trends of 2020 you should keep an eye on
 Education trends keep changing rapidly these days with the spread of technology and digital avenues. From skill development to technology integration, here are the top 5 education trends of 2020 you need to keep an eye on.

CITY AIR NEWS
National virtual conference on 'Advancements and modern innovation engineering and technology (AMIE-20)
 Higher Education witnesses tech-adoption, innovation and global collaborations: Gunjan M Sanjeev

AMITY UNIVERSITY GURUGRAM ORGANIZED A PANEL DISCUSSION
 The panel discussion was Education 2025: Reimagining Future Schools

NEWS MANTRA
Amity University confers Honoris Causa Doctorate on Healthcare luminary Shri Abhay Soi

AMITY UNIVERSITY HARYANA HOSTS INTERNATIONAL WEBINAR
 German strategist Dr Manfred Kern from AgriExcellence delin Protein by 2025/2050"

TEN NEWS.in
Science & Technology Policy Imperative For National Development In New India: Former AIU & DTU Chief at HITDA

AMITY UNIVERSITY GURUGRAM ORGANIZED A PANEL DISCUSSION ON POWER OF AN EFFECTIVE TEACHER

दिवकत न हो इसलिए बनाया फोर्डबल हेलमेट दिमाग को 'पढ़' सकेगा साइकोमेटिक टूल

CITY AIR NEWS
Amity University Haryana hos international webinar

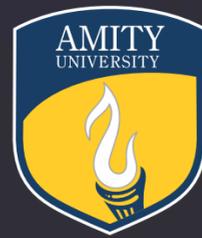
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AMITY UNIVERSITY GURUGRAM ORGANIZED A PANEL DISCUSSION ON POWER OF AN EFFECTIVE TEACHER

APN NEWS
Amity University Gurugram organized a Panel Discussion on Power of an Effective Teacher

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