



AMITY UNIVERSITY

MADHYA PRADESH

(Established by Ritnand Balved Education Foundation)

AMITY INSTITUTE OF BIOTECHNOLOGY

OUTCOME REPORT

Of

3rd National Seminar On “Current Trends In Life Sciences”

29 JANUARY 2021

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

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

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

Technical session-II, Biotechnology was started with the invited talk of Prof. (Dr.) I. K. Patro, Ex-Vice Chancellor, Ravenshaw University, Cuttack on the topic ‘Post Covid Management’. This session was chaired and co-chaired by Prof. (Dr.) I. K. Patro, and Prof. (Dr.) Rajesh Singh Tomar, Director, Amity Institute of Biotechnology, Dean (Life Sciences), Amity University, Gwalior respectively. Session included one more invited talks by Prof.(Dr.) Puneet Gandhi, on

the topics 'New Innovations in Biomedical Research-What it means for Scientists & the common man'. In this technical session, there were 6 oral presentations.

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

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

Parallel session-I for oral presentations was started with the invited talk of Prof. (Dr.) I. K. Pai, Former Professor and Head, Department of Zoology and Director, UGC-HRDC and Centre Coordinator, NRC-MHRD (Mar. Sci.), Goa University, Goa. This session was chaired and co-chaired by Prof. (Dr.) I. K. Pai and Dr. Anurag Jyoti, Assistant Professor, Amity Institute of Biotechnology, Amity University Madhya Pradesh respectively. Session included one more invited talk by Dr. Sushmita Shrivastava, Govt. P. G. College, Guna (M.P.), on the topics 'Ethnoveterinary practices for dermal disorders among cattle in Gwalior (M.P.)'. Afterwards, 22 oral presentations were conducted in this parallel session.

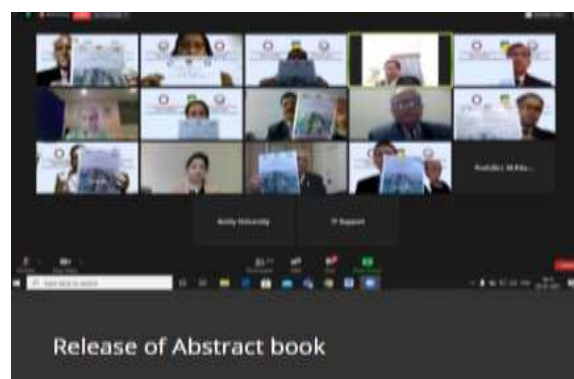
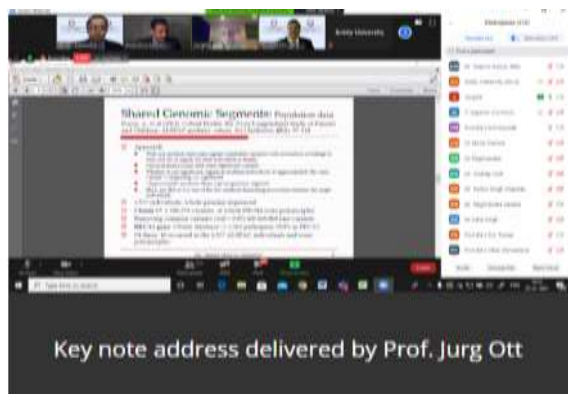
Parallel session-II for oral presentations was started with the invited talk of Prof. (Dr.) Madhulika Bhagat, School of Biotechnology, University of Jammu, Jammu, on the topic 'Nanofertilizers for sustainable agriculture: an influence of Zinc oxide nanoparticles'. This session was chaired and co-chaired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

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

Design and Development’. Afterwards, 10 oral presentations were conducted in this parallel session.

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

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



Director- AIB

Prof. (Dr.) Devendra Kumar Pandey
Director-Outcome

Prof. (Dr.) M. P. Kaushik Pro –Vice Chancellor

Hon'ble Vice Chancellor

