

Jaiiv-Patrika

March 2018

BIOTECH NEWSLETTER

I think the biggest innovations of the 21st century will be at the intersection of biology and technology. A new era is beginning.

-Steve Jobs

VISION

The vision of our department is to produce competent Biotechnologist's who can employ premium processes and applications which will profoundly influence existing paradigm of agriculture, industry, healthcare and restoration of environment providing sustainable competitive edge to present society.

MISSION

- To provide Biotechnology educational Program with impetus to generate quality workforce.
- To create awareness about potentials of Biotechnology with socio-ethical implications.
- To instill spirit of innovation and creativity in young minds with sound research aptitude.
- To nurture confident individuals who are effective contributors towards growth of the nation.



Student Editors: Garima Ahuja, Sakshi Taneja, Garima Sharma

Chief Editor: Dr. Abhilasha Shourie, HOD & Professor
Editor: Dr. Nidhi Didwania, Associate Professor

STUDENT RECOGNITION

Chhavi Jain, student of B. Tech Biotechnology batch 2017-21, who is doing so well in cultural activities and is full of talent. At fresher's



party she was nominated for "Best Dress". She represented the fashion society 'Noora' at various events like Independence Day, Dandiya eve and the republic day. She had represented



MRIIS in FEST at Chandigarh University

held on 10 February 2018 and bagged second position in a fashion event.

The team of **Shweta Singh, Tejasri Mahija, Anjali Chandwani, Priyanka Chauhan, Kajal Singla, Singh, Shivani Khare** Biotechnology attended entitled 'Advances in Biotechnology - ICABB-Award for the poster Resurgig Encephalitis Scenario



Mamta Rajbhar, Anjali students of B.Tech International Conference Biosciences and 2018' won **Best Poster** entitled Emerging and Viruses: The Indian

Jaypee Institute Of Information and Technology (JIIT) , Noida,U.P. organised International Conference on Advances in Bio sciences and Biotechnology (ICABB) from 1st Feb'18 to 3rd Feb'18. **Sanchit Sood** student of 6th semester B.Tech in Biotechnology,, FET, MRIIRS presented a paper entitled "Hydrogen-Urea fuel: the dream that won't die" and won high appreciation award for the same



PARTICIPATION IN COMPETITIONS

Anveshan- Student Research Convention 2018, North Zonal participants and Winners

The students Shivani Khare (B.Tech Biotech IV Semester) and Sanchit Sood (B.Tech Biotech VI Semester) under the supervision of Dr. Kapila Kumar, S.



Maneesha (M.Tech Biotech II semester) under the supervision of Mrs. Richa Yadav and Mrs. Girisha Malhotra (Ph.D Student) under the supervision of Dr. Shilpa participated in Anveshan-2018, organised by Association of Indian Universities and MRIIRS at the Zonal Level on 26-27th February'18

Ms. Shivani Khare, and Mr. Sanchit Sood, under supervision of **Dr. Kapila Kumar**, Assistant Professor, BT, won **2nd prize** for their project entitled "Sunlight in spotlight, "Deficient or sufficient!" in Social Sciences category. They qualified to present their project work and represent the Institute at the National level of Anveshan 2018.

CONFERENCE/ WORKSHOP/ SYMPOSIUM ATTENDED

Asian Conference on Engineering & Natural Sciences

Dr. Abhilasha Shourie attended Asian Conference on Engineering & Natural Sciences from 6th - 8th February 2018 at Osaka, Japan. She presented research paper entitled "*In vitro production and simultaneous extraction optimization oh high value flavanoids from Glycyrrhiza glabra callus*" and acted as Session Chair in "Biology & Biological Engineering" Session in ACENS-2018.



NPTEL workshop

Dr. Shilpa S. Chapadgaonkar, attended one day workshop on NPTEL learning awareness workshop held on 20th Jan 2018. The objective of the workshop was to create maximum awareness among faculty members about NPTEL and its various initiatives. The workshop included sessions on NPTEL and its features, NPTEL Online Certification courses and the concept of NPTEL Local Chapter.



ICABB-2018

Dr. Kapila Kumar attended International Conference entitled 'Advances in Biosciences and Biotechnology - ICABB-2018' at Department of Biotechnology, JIIT, Noida 1st February 2018.

Symposium : Frontiers in Biomedical Research Challenges

Ms. Richa Yadav attended 11th Symposium on Frontiers in Biomedical Research Challenges in Human Health: Prevention, Diagnosis and Cure from 19th - 21st February 2018 organized by Dr. B R Ambedkar Center for Biomedical Research, University of Delhi.

Symposium: Water: issues, research and solutions

Dr. Abhilasha Shourie and Dr. Nidhi Didwania attended Symposium on:--- WATER: ISSUES, RESEARCH AND SOLUTIONS with foreign delegation from UNIVERSITY OF WEST OF ENGLAND organized by CAWTM, MRIIRS held on 15th February 2018.



VISITS

VISIT TO PHYTOTRON, IARI, PUSA CAMPUS, NEW DELHI

An Industrial visit was organized to Indian Agricultural Research Institute Pusa Campus, New Delhi for the students of M. Sc Biotech and M. Tech Biotech first year students on 23rd March, 2018. Dr. Manu Solanki and Dr. Soma Patnaik accompanied the students.



The team was introduced to Dr. Arun Kumar who widened the knowledge of students on the topic of "Phytotron". National Phytotron Facility at IARI is the largest facility in Asia. It was an informative and a knowledgeable session that gave the students a platform to widen their minds on the subject of phytotrons. This kind of visit will definitely help the students to understand various applications of phytotron in the field of agricultural research.

B.TECH STUDENTS INDUSTRIAL VISIT TO VITA MILK PLANT, BALLABGARH

The students of B. Tech Biotech IV Semester along with Dr. Joseph, Dr. Soma, Ms. Richa Yadav and Mr. Vinod visited Vita Milk Plant, Ballabgarh on 12th March 2018. The students and faculties were received by Mr. Siani who briefed about the existence and different product range of Vita Dairy. The students were shown a short clip briefing the idea of setting up the milk plants in various districts of Haryana. HDDCF is engaged in procurement and processing of milk and manufacturing of milk products



WORKSHOP ORGANIZED

Workshop on Drug Designing and Applications of Machine Learning

A Three-day Workshop on "Drug Designing and Applications of Machine Learning" was organized at Department of Biotechnology, MRIIRS from **10th to 12th Jan 2018**. Key speakers Dr. Mymoona Akhter, Associate Professor,



Jamia Hamdard and Dr. Chakresh Jain from JP Institute of

Information Technology, Noida were invited for talk sessions and hands on Drug Designing. The workshop was designed to learning applications in the areas of drug designing and computational techniques in genomics.

Approximately 97 participants attended the



lecture sessions, while participation was restricted to 30 people for hands on sessions.

Workshop on IPR awareness

The workshop on intellectual property rights awareness workshop was jointly organized by Department of Biotechnology and IPR cell at MRIIRS on 20th March 2018 in collaboration with

Haryana State Council of Science and Technology. Dr. Joseph Davis, Convener & Professor-Biotechnology coordinated the workshop which was inaugurated in the presence of Dr. M.K. Soni, Pro Vice Chancellor, MRIIRS & Executive Director, MRIIC, Dr. Krishna Kant, Executive Director & Dean, FET, MRIIRS, Dr. Pradeep K. Varshney, Director, Manav Rachna Research, Innovation and Incubation Center (MRIIC) and Dr. Patrali Banerjee, Head, IPR Cell.

In the technical session, Ms. Avipsha Thakur, Asst. Vice President, CIPAM, Govt. of India spoke about the "National IPR Policy" and emphasized the importance of IPR awareness at college and student level. Shri Yashawant Panwar, Scientist E and Head, PFC, TIFAC spoke on the patents and various forms of patents that can be registered in India and also on other forms of IPRs like copyright, trade mark, geographical indication s, etc. Mr. Nilanshu Shekhar,

Patent Attorney & Managing Director, Kanalysis Consultant (P) Ltd spoke about the patent processes relevant to Biology.



CONFERENCE ORGANIZED

NATIONAL CONFERENCE ON WATER: TECHNOLOGICAL INNOVATIONS AND SOLUTIONS

Indian Chapter of International Association of Hydrogeologists and Centre for Advanced Water Technology and Management, Manav Rachna International Institute of Research and Studies jointly organized a National Conference Water: Technological



Innovations and Solutions at the MRIIRS campus on 23rd March, 2018. Dr. Sarita Sachdeva, Professor BT, Dean Research and Dean FAS and Dr. Nidhi Didwania, Associate Professor were the members of the Scientific Committee of the Conference. The conference focused on the innovations made in the water sector and the possible solutions to tide over the burgeoning issues confronting the water sector in the present context.

More than 150 participants attended the conference. Sh. K.C. Naik, Chairman, CGWB and Ms Satya Bhalla, Chief Patron, MREI were the honorable guests on the occasion. Also present were Dr D K Chadha, President, INC-IAH; Dr D. Saha, Secretary, INC-IAH; Dr V.M. Tiwari, Director, NGRI; Dr N.C. Wadhwa, VC, MRIIRS; Dr Sanjay Srivastava, MD, MREI; Dr Dinesh Pande, Former Director, ONGC; Dr Sanjay Bajpai,



Head, DST & Dr M.M. Kathuria Trustee, MREI.

More

than 20 papers were presented in three technical sessions. During the function, an Abstract Volume and Compendium of Awardees were also released. Smt Savitri Chadha Memorial INC-IAH awards for 2017 were presented to the experts and scientists in water sector.

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