



Department of Chemistry

Institute For Excellence In Higher Education

From HOD's Desk

Chemistry Department is one of the strongest pillars of the Institute. CARBON newsletter speculates the succeeding of students. I congratulate the editorial team of Chemistry Department for the release of 11th volume of News Letter. The efforts reflect the academic and extracurricular activities performed by them during this session. Just like Carbon which has catenation property, the department of Chemistry has incorporated different branches of science. I wish the students all the best for excellent performance in future as well.

Dr. Sarita Shrivastava , HOD

Chemfotech

Departmental fest "Chemfotech" is being organized annually in our Institute since 1995, so in a way IEHE's "सफरनामा" to 25 years is also Chemfotech's. Fest is organized by students of chemistry, biotechnology and food science, but as the institute has grown and introduced new departments, it now also includes students of forensic science. The students of B.Sc. (First year, Second year and Final year) participate in the fest and showcase chemistry through their talent and the students of M.Sc. mentor their juniors. Many competitions including off stage and on stage take place in this event. Off stage competitions include rangoli making, poster making, hand art, doodle art, treasure hunt, vase decoration, model making, debate etc.

Chemfotech Society 2019

Convenors	Dr. Jyoti Saxena Dr. Usha Kahol Dr. Pushpa Rawtani
Chief Editors	Dr. Dinesh Kumar Gupta Dr. Ram Krishna Shrivastava
President	Rishabh Ahuja
Vice President	Manish Dhangar
Secretary	Saima Khan Anushri Jain Pradhyuman Gupta
Joint Secretary	Niharika Pawar Vishnu Datta Pandey Maaz Mohsin Mansi Radhika Kahar
Creative Team	Nivedita Saratkar (Head)
Event Management	Mehwish Jahan (Head)
Carbon Editorial	Srishti Dubey (Head) Shruti Choubey Madeeha Ather Nayan Bhawsar Prachi Kulhare

WORKSHOP AND TRAINING PROGRAMS

Lab and Web workshop: To enhance the skills of handling the instrument, two days workshop was organised on 2 and 5 March 2019 by the department of Chemistry, IEHE. This workshop was organised mainly for the students of M.Sc. Chemistry. Representatives from Systronics India Limited and LABINDIA under the scheme "*Cluster for enhancing the quality through Innovation and Collaboration*", administered the calibration, working and use of various instruments like UV-VIS spectrophotometer, colorimeter, pH meters, conductivity meter, flame photometer etc.



Dissertation: Students from M.Sc. final (Chemistry) completed their 6 months dissertation from various national level prestigious institutes like RRCAT Indore, IISER Bhopal, BARC Mumbai, Chandigarh University.

Food Science and QC Department (Workshop On Breast Feeding): Breast feeding week was celebrated in coordination with Nutrition Board, Bhopal in which Dr. Pankaja Shukla and Dr. Usha Kahol delivered lecture on importance of mother's milk. Poshan Mah was celebrated in coordination with Mahila Bal Vikas Pariyojna , Dr. Jayashri (AIIMS, Bhopal) and Dr. Usha Kahol delivered lectures on Nutrition and Health. Quiz, Slogan, Low cost Recipe competition were held and students were awarded with prizes.

Guest Lectures:

- A lecture on Inorganic Chemistry was taken by Dr. Smita Joshi on 10 October 2018 for the students of B.Sc. and M.Sc..
- Lecture on entrepreneurship on 13 October 2018 by Dr. Neeraj Shrivastava from Entrepreneurship Development Institute (EDI), Bhopal.
- A lecture was organised on 22 October 2018 and recently on 26 September 2019 for the students of B.SC.II year by Dr. Rajesh Saxena Principal Scientist MPSCT , Bhopal. In this lecture students were taught how to make chemically important Natural products and to start their own business venture.
- A guest lecture was taken on 8 and 9 March 2019. Dr. M.K Bhaskar for students of Forensic.

INDUSTRIAL TRAININGS AND VISITS

Instrumentation and Sampling

Training: Handling instruments in a proper way is a great deal for chemistry students. To develop these basic skills, students visited MP Pollution Control Board, Bhopal to learn about the basics of sampling. This five days training program also made students aware of BOD and COD titration. Various instruments like Atomic Absorption Spectrophotometer, Gas Chromatography, Ion Chromatography and their calibration and working were taught to students in a very easy and innovative way. This training program was organized from 8 to 12 July 2019 and was headed by Mr. Alok Saxena.



Visit at CSIR-AMPRI: Students of B.Sc. II and III year along with M.Sc. Previous attended workshop by CSIR AMPRI from 3 to 5 September and also visited AMPRI laboratory on 27 September 2019. Students were taught about making economically feasible and environmental friendly products from waste materials.

Workshop at Regional Forensic

ScienceLab: Students of Forensic Science visited Regional Forensic Science Laboratory, Bhopal on 14, 15 and 16 March 2019. It was three-day workshop in which students were taught about the crime cases and their proper investigation. Students visited different branches of the laboratory where they learnt interesting facts about blood test, hair test and overall investigation.



Workshop at FSSAI: One day workshop on 19 Dec 2018 by Food Science Department was organised at Food Safety Standard Association of India.



EXTENSION ACTIVITIES

Chemfotech: The annual departmental fest was held on 26 and 27 September 2018. Through various entertaining activities like chemical bonding skit, micelle formation dance, periodic table KBC, students of Chemistry, Biotech, Food Science and Forensic Science displayed the various branches in the vast field of science. The students of M.Sc. learnt to co-ordinate these activities and mentor the juniors on their own.



Career Fair: Career Fair was organized on 29 and 30 January 2019 by Swami Vivekanand Career Guidance Cell, IEHE in collaboration with Sarojini Naidu Govt Girls' Post Graduate College, Bhopal where students made the products and sold them in the fair. Honourable Higher Education Minister, Mr. Jitu Patwari, graced the event. Students of B.Sc.III year sold detergent powder and herbal colour prepared by them and the students of B.Sc.II year sold "**Rasayandhara**" which is effective for cough, cold, joint pain, headache, toothache etc. Students of Forensic Science honours managed the stall of finger print demonstration.



Freshers and Farewell Function:

Farewell party was organized on 18 April 2019 by the B.Sc.II year students for their beloved seniors. Students gave a teary-eyed farewell to their seniors whereas Freshers party was organised by the students of II year on 3 August 2019 to welcome the new students of the department.



Teacher's Day Celebration: Teacher's day was celebrated on 5 September 2018 where students of M.Sc. Previous and Final honoured the teachers of the department.

Padhe Bhopal: "PadheBhopal" was organised on 9 October 2018. HOD, Faculties and students from all the departments actively participated in it.

ACHIEVEMENTS

Placement Drive: Placement Drive was conducted in February 2019 by the institute where the students got an opportunity to explore themselves by facing recruitment process of various companies. Some reputed companies like Nestle, Deloitte, Ultratech Cement selected eight students from the department.



Scholarship: A seminar was organised in the campus by Lupin Ltd., Mandideep in collaboration with Department of Chemistry, IEHE Bhopal. Under this Scholarship Program, Saloni Gupta from B.Sc. II year, was awarded with INR 30,000 for securing highest marks.



Joint Admission Test for M.Sc.

(JAM): Department of Chemistry in collaboration with Vocational Cell started a course for JAM entrance examination. More than 12 students of department were selected in JAM exam. Aditya Bhardwaj in Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Sandali Singh in NIT Warangal, Vishal Gadore in NIT Silchar, Meenal Gurha in The Hindu College (DU), Prachi in Miranda House (DU) and BHU.

NPTEL: Many students from the department registered themselves in the various courses run by IITs and IISERS under National Programme on Technology Enhanced Learning (NPTEL). Students successfully cleared the exam conducted by NPTEL and got the certificates of appreciation as well.

Awards: Dr. Ram Krishna Shrivastava, Professor Dept. of Chemistry has been awarded with “Indo-Thai Academic Leadership Award” by International Association of Research and Development Organisation. He also got the letter of appreciation from the Honourable Minister of Higher Education department, Govt. of Madhya Pradesh.

GALLERY

