

## Departmental Events 2017-2021

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### Guest Lecture :

- A Guest lecture on 'ORD and CD' has been conducted for M.Sc I and II year students on 18th Sep, 2018. The Resource person for the lecture was Dr. NJP Subhashini , Osmania University, Hyderabad.
- A Guest lecture on 'Material Science' has been conducted for MPC III year students on 6th Oct, 2018. The Resource person for the lecture was Dr.Naresh Katari, Assistant Prof, Gitam University, and Hyderabad.
- A Guest lecture was organized for M.Sc. final year students on the topic " Introduction to Spectroscopy and Materials" on 27- 6- 2016 in the college Auditorium. The speaker was Prof. Vittal, Chairman, Board of Studies, Department of Chemistry, Osmania University.
- A Guest lecture was organized for M.Sc. final year students on the topic " Chiral Catalyst Controlled Asymmetric Synthesis" on 21- 9- 2016 in the Conference Hall. The speaker was Prof. Vijjulatha, Department of Chemistry, Osmania University.
- A Guest Lecture was organized for M.Sc students on the topic Supra Molecular Chemistry on 22<sup>nd</sup> Sep,2017 by Prof Vijjulatha, Department of Chemistry,Osmania University.

### Field Trips:

**20<sup>th</sup> Feb, 2020:** Visit to IICT- One Day Poster Session. Dr. SudhaSwaraga along with 18 M.Sc I year students attended an Open Day organised by CSIR-IICT

**24<sup>th</sup> April, 2019:** Under student centric activity the department arranged an educational trip for M.Sc students to IIT Hyderabad. Altogether 37 students and 2 faculty members visited the institution. The motto of this programme was to inspire the students for joining research after their master degree and make them aware of leading research areas in chemical sciences. The students visited different labs where they could see the use of modern equipments and execution of advanced analytical techniques like column chromatography, GC and MS technique, TGA, FTIR, NMR, XRD and ESR .

**26<sup>th</sup> Sept 2018:** On the occasion of CSIR foundation day the UG & PG students visited the Hyderabad branch of National Environmental Engineering Research Institute (NEERI) - CSIR at Indian Institute of Chemical Technology campus. They had attended the lecture session on 'scientific innovation and contribution'.

**28<sup>th</sup> Mar 2018:** All M.Sc students went on an Industry visit to Indian Institute of Technology, Hyderabad

**26<sup>th</sup> Nov 2016:** All M.Sc Iyr and Ilyr Chemistry students went on an Industry visit. All the PG students and two faculty members visited "Mylan Laboratories Limited", Hyderabad. The prime objective of this tour is to make the students aware of technological advancement and its impact on pharmaceutical industry. The students went to the R & D section of the industry and got opportunity to know about the thrust research area in this field. They were motivated to carry out summer research project in the pharmaceutical lab. The students could see many new sophisticated advanced instruments and their operational techniques like XRD, particle size distribution instrument, tablet coating machine, sonicator, Milli Q water system, Thermo Gravimetry Analysis (TGA) and others. The tour was highly beneficial to the students aiming for building their career in Pharmaceutical industry.

### **Outreach Program:**

The department and Jana Vignana Vedika (NGO) organized a 'March for Science' from Nacharam to Tarnaka on 9<sup>th</sup> August, 2017, demanding the government to allocate funds towards scientific research; 600 students and scientists from Centre for Cellular and Molecular Biology (CCMB) and Indian Institute of Chemical Technology (IICT) took part in the march.

### **Workshop:**

- **"In Silico toxicity prediction in Drug Discovery"** The Department of chemistry has organized a National Workshop on Toxicity Prediction in Drug Discovery in association with Qstatix Pvt Ltd on 28th March, 2019. The purpose of organizing this workshop is to provide a platform to the Research scholars, Faculty and students to gain knowledge with Hands on training in the field of Toxicity prediction. 72 participants from 11 academic institutions of Telangana and 8 participants from academic institution of other states attended the workshop.
- Department of chemistry conducted Workshop on Entrepreneurship Development **"LEARN and EARN"** on 22nd January 2019. In this workshop students were trained for the preparation of talcum powder, cold cream & hand wash. There were totally 75 participants from Undergraduate science courses, PEARL committee, NSS & M.Sc chemistry stream.
- One day workshop on IPR titled **"Role of IPRs in Creative India; Innovative India"** was organized on 11<sup>th</sup> November, 2017. The 21<sup>st</sup> century belongs to knowledge era and is driven by knowledge economy – an economy that creates, disseminates and uses knowledge to enhance growth and development. There is

a need to propagate the value of transforming knowledge into IP assets. This requires a major paradigm shift of how knowledge is viewed and valued. Common people are unaware of the benefit of IP rights or of their own capabilities to create IP asset or the value of their ideas. Seminars / Workshops are to be conducted to promote awareness and to highlight the process of IP creation it's values. The objectives of the seminar are:

- To transfer knowledge and educate the youth about the value and protection of their ideas, design, innovation etc.
- To enlighten students about the need and benefits of IPR so that they may consider it as a career option.
- To provide a common platform for experts and students for open discussion.

The distinguished speakers of the workshop were:

**Dr.G.B.Reddy**, Professor of Law, Dean, Faculty of Law, Osmania University, Hyderabad

**Ms. Anitha Ponnekanti**, Manager- Intellectual Property, ISP (India) Pvt. Ltd., Ashland Inc, Hyderabad

**Dr.D.T.Mohan Krishna**, Associate Professor, Vice Principal, Pendekanti Law College, Hyderabad

**Mrs. Sandhya (LLM)**, Advocate, High Court, Hyderabad, Telangana

#### **MOUs:**

The MoU is signed with Qstatix Pvt. Ltd.,Hyderabad to establish Academic and professional Exchanges with effect from 1st April ,2018 -1st May ,2019 Training the students of the college in Computer Aided Drug design/Molecular docking/Molecular Dynamics/Virtual Screening. MoU helps in the increase of scalability of Qstatix Pvt. Ltd. Business

#### **Orientations**

An Orientaion to UG and PG students on "chemo informatics" by Dr.Purushottam and Dr.Karunakar of QSTATIX on 2<sup>nd</sup> April, 2018

A Motivational lecture on research in chemical science to PG students by Dr.Chary S.NV, Director, ChemDirect on 6<sup>th</sup> April 2018.

## **Extension Activities**

- The department and Jana Vignana Vedika (NGO) organized a 'March for Science' from Nacharam to Tarnaka demanding the government to allocate funds towards scientific research. 600 students and scientists from Centre for Cellular and Molecular Biology (CCMB) and Indian Institute of Chemical Technology (IICT) took part in the march. on 9<sup>th</sup> August, 2017 for Neighborhood.
- **Mobile Lab Experiments:**

The department had organized an innovative program "Mobile Lab Experiments" on 16<sup>th</sup> Nov'2016. The motto of the program is to provide the opportunity to the school students for "Learning Science supported by Live Experiments". With a few exceptions most of the schools are lacking in laboratory facility. Teaching of science subject with demonstration experiment is most essential for developing the basic concept of science.

With the mission of generating interest in basic science among the school children, final year PG students and two faculty members of the department visited "Holy Angel School" , Tarnaka, and demonstrated few basic experiments. They showed the technique of performing basic chemistry experiments like sublimation, filtration and others. The students had demonstrated the experiments related to the following topics: i) Types of Reactions ii) Test for organic unsaturation iii) Effect of catalyst. At the end students were entertained with "Chemistry and Fun".

## **Visit to Orphanage**

PG students along with Dr. Snehalatha, faculty of the department visited the Shradhya orphanage at Boduppal on 15th April, 2019. The Department sponsored for one day lunch of the inmates and other essential commodities.

The department gave financial support towards the purchase of school uniform for the inmates of Tapasvi Orphanage at Nagole .

Five staff members and 25 students of Department of Chemistry, Zoology and Genetics visited Divya Disha Orphanage in Boduppal, Hyderabad. They sponsored meal for the inmates and distributed blankets, stationeries, clothes, groceries and food itemson 13<sup>th</sup> Jan, 2018 in Divya Disha Orphanage in Boduppal, Hyderabad.