DEPARTMENT OF M.SC. ORGANIC CHEMISTRY
DEPARTMENTAL REPORT 2018-19

I. Departmental Activities:

1. Orientation programme

a. Concept - Orientation programme for I year students on 25 August, 2018 at Loyola hall
b. Purpose - To acquaint the students with rules and regulations of the the college
c. Report – Rector blessed the students, Principal and Vice principal extended their welcome and addressed the students
d. Reviews- Students showed positive response which is evident in their behaviour and discipline
e. Photos.

2. Flash Mob (Club activity)

a. Concept - Flash Mob by MSc II year students on 25 August, 2018 at PG block
b. Purpose - To enlighten the students of the college about water conservation
c. Report- This event brought out the hidden talents of the students. Introduction to the event was through a group dance followed by mime.
d. Reviews- Got a good response from the viewers
e. Photos.







3. Industrial visit

a. Concept - Five day trip for MSc II year students to IISc- Banglore and Sami Laboratories- Banglore from 10 October, 2018 to 15 October, 2018

b. Purpose - To have an exposure on latest methods of chemical synthesis and techniques involved in research field

c. Report- It was a five day trip to Bengaluru, Mysore and Ooty.

i. On 11 October, 2018, the students visited IISc- Banglore wherein they were introduced to latest analytical instrumental techniques being used for Characterisation of new synthesized compounds.

ii. On 12 October, 2018, the students visited Sami Laboratories- Bengaluru known for isolation and synthesis of phytochemicals and formulation of drugs.

iii. On 13&14 October, 2018, the students enjoyed a pleasure trip to Mysore and Ooty

d. Reviews- It was an educational trip which enlightened immensely

e. Photos.







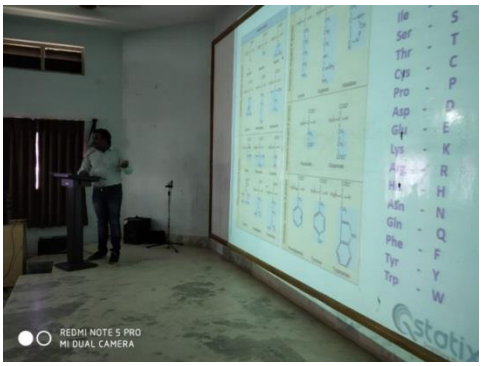


4. PG Resonance

a. Concept - PG Resonance on 26 &27 October, 2018
b. Purpose - To bring out the hidden talents in the students
c. Report – Students activelyparticipated in various events like dance, drama, songs, mime, rangoli, mehendi, cooking without fire etc. The students were able to bag I&II prizes in few events
d. Reviews- The students were rejuvenated by the cultural atmosphere
e. Photos.

5. Guest lectures GL-1

a. Concept - Guest lecture conducted for I students on 6 March 2018 at PG Seminar Hall on "*Significance of molecular docking in drug design*" by Dr. T. Karunakar, Qstatix Analysis Pvt.Ltd, Hyderabad
b. Purpose - To introduce the students the concept of Molecular modelling and its significance
c. Report – The three hour presentation gave a good insight the significance of molecular modelling, theory behind it and also various computational programmes that support these studies
d. Reviews- The students learnt about latest developments of this area in research field
e. Photos.





6. Parents Teachers Meeting

a. Concept - Parents Teachers Meeting on 1 December 2018
b. Purpose - To interact with parents and give them feedback on the students
c. Report – Parents of 35 students attended the meeting and faculty analysed the overall improvement of the students
d. Reviews- It is a good interactive session

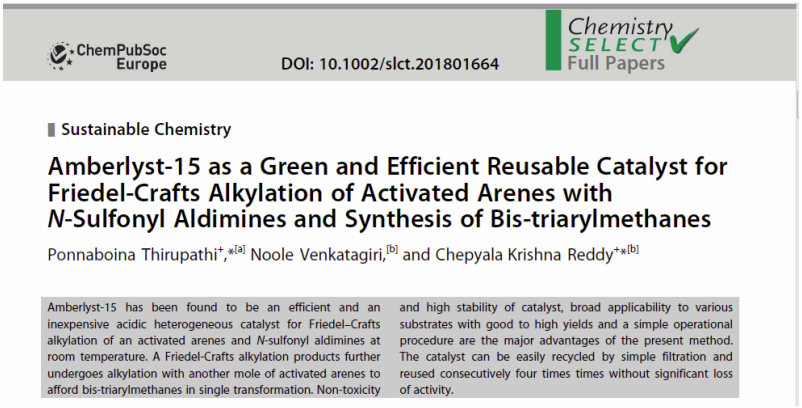
7. In-house Projects:

a. Concept - Three months (22 December 2018 to 21 March 2019) in-house projects for II year students as part of the curriculum

b. Purpose - To get hand on experience and research exposure in chemistry
c. Report- Six students of M.Sc II Year carried out their project work under guidance of Dr. P Thiruapthi
d. Reviews- Successfully completed their 3months project with proper utilization of departmental infrastructure.

II. Staff Achievements

i. Dr. P. Tirupathi published a research article in international journal-"Chemistry Select"



ChemPubSoc Europe DOI: 10.1002/slct.201801664 Chemistry SELECT Full Papers

Sustainable Chemistry

Amberlyst-15 as a Green and Efficient Reusable Catalyst for Friedel-Crafts Alkylation of Activated Arenes with *N*-Sulfonyl Aldimines and Synthesis of Bis-triarylmethanes

Ponnaboina Thirupathi[+],*[a] Noole Venkatagiri,[b] and Chepyala Krishna Reddy[+]*[b]

Amberlyst-15 has been found to be an efficient and an inexpensive acidic heterogeneous catalyst for Friedel–Crafts alkylation of an activated arenes and *N*-sulfonyl aldimines at room temperature. A Friedel-Crafts alkylation products further undergoes alkylation with another mole of activated arenes to afford bis-triarylmethanes in single transformation. Non-toxicity and high stability of catalyst, broad applicability to various substrates with good to high yields and a simple operational procedure are the major advantages of the present method. The catalyst can be easily recycled by simple filtration and reused consecutively four times times without significant loss of activity.

ii. Mrs. R. Shalini Mamatha Jyothi cleared TS-SET in July, 2018

iii.

iv. Mrs. S. P. Mydhili was awarded her doctoral degree in August, 2018.



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
HYDERABAD - 500 085, TELANGANA STATE, INDIA
TS 1361404
H.T.No. 1103PH0484
Ms. S.P. Mydhili
D/o. S.P. Veerabhadra Sastry
having fulfilled the academic requirements in July - 2018
has this day been admitted by the Executive Council to the Degree of
Doctor of Philosophy
Chemistry
Topic: "Interaction of Transition Metal Ions with Substituted Pyridine Thiosemicarbazones : Computational and Biological Studies".
Given under the Seal of the University
Date: 26-04-2019

III. Student Achievements

Mr. K. Narender Reddy of 2016-18 batch cleared his CSIR-UGC NET examination

IV. Career Placements

a. The Following companies came for campus placements:
b. Nine Students of M.Sc, II year 2017-2019 batch attended the interview at Vimta Labs., awaiting for the result.
c. Twenty Students of M.Sc, II year 2017-2019 batch attended the interview at Hetero Labs., awaiting for the result.

V. Research Publications

Dr P. Tirupathi published a research article:

P. Thirupathi**, Noole Venkatagiri, and Chepyala Krishna Reddy*, "Amberlyst-15 as a Green and Efficient Reusable Catalyst for Friedal-Crafts Alkylation of Activated Arenes with *N*-Sulfonyl Aldimines and Synthesis of Triarylmethanes, ***Chemistry Select, 2018, 3, 9911 – 9915

VI. Book Publications NA