

DEPARTMENT OF CHEMISTRY

Prof. R. U. Khope

The Department of Chemistry is one of the biggest departments of the college. The department has seven well-qualified and devoted teachers, out of which three are elevated to Professor and four are PhD supervisors.

The department runs the post-graduation course (M.Sc) with a specialization in organic chemistry and polymer chemistry as elective papers.

The department has very high research output with some papers published in a journal of international and national repute.

The department has four well-equipped Laboratories with spectrophotometer, HPLC, etc, and One audio-visual classroom for conducting lectures.

Department of Chemistry has undertaken different activities with a view to impart additional knowledge to the student in the various areas of Science and to use their knowledge for the betterment of the Society.

State Level Examination

The State-level Chemistry Talent Research Examination 2020 was conducted at the Department of Chemistry. The college was identified as one of the centers to conduct their examination. Total 60 students were appeared for the examination out of which 40 students cleared the examination with flying colors. Mr Rohan Mankar secured third position in this State Level Examination .The examination was well co-ordinated by Dr. Rashmi Urkude.

The certificate course in Environmental water management

To accomplished the students with recent trends and techniques used in determination of pollutant levels in water bodies ,certificate course in “Environmental and Water management” started as a skill base course . Water samples were collected by the students from nearby areas for analysis of different Physio-chemical parameters under the supervision of course coordinator Dr Y.K. Meshram.

Guest Lecture:-

Department of Chemistry organized lecture of Indian born Dr. Pravin Upare, Senior Scientist, Korea on “Chemical conversion of biomass in to value added chemicals” on 17/09/2019 for the students of Post Graduate Department., In his deliberation he explained the use of nano catalyst for conversion of biomass to biofuel .He also emphasised on use of Butanol which is superior biofuel for

next generation. He also disseminated information about the process for conversion of Lactic Acid to Lactide using green path i.e catalytic conversion which on polymerization obtained PLA used as polymer, Fuel etc. Students were enthusiastically interacted during session.

Program was conducted by Prerna Kotecha and concluded with vote of thanks proposed by Sandesh Padole

Dr.R.U.Khope,Dr. Y.K.Meshram,Dr.R.D.Urkude,Dr.R.A.DeshmukhDr.J.K.Gunjate and other staff member were prominently present on this occasion.

Research outcome :-

Paper Publications

Dr.R.U.Khope-03,Dr. R.D.Urkude -02, Dr.Reshal Deshmukh-02, Dr.P.D.Deshmukh-01 published in international journal

Online workshop/Conference Attended;-

All the staff members of the Department attended online conferences and workshops organized by various Colleges amid the Corona pandemic.

Achievements

PhD Awardees

- Mrs.Sonika Kochar was conferred Ph.D by RTM Nagpur university under the guidance of Dr Rashmi Urkude.
- Mrs.Priti Warbhe awarded Ph.D by RTMNU Nagpur University under guidance of Dr Rashel Deshmukh.
- Three staff members Dr R.U.Khope, Dr Reshal Deshmukh and Dr Rashmi Urkude were elevated as professors from the chemistry department.

Student participation

- Ms. Renuka Kalpate bagged the first prize in the intercollegiate Poster competition organized by Santaji College.
- Ms. Dillu Singjh, Ms. Isha, Ms. Mrinal, Ms. Gauri, final year students of M.Sc., presented a paper under the guidance of Dr. Rashmi Urkude in the National Seminar held on "Sustainable development of natural resources: challenges and solution", organized by VMV JMT College Nagpur.
- Mr. Ojas Shelke and Aasakti Bhongade bestowed by trophy in debate competition organized by Sevadal Mahavidyalay Nagpur.

Healthy Practices:

- Masks and sanitizers were distributed to the people of the slum area and aware about the measures to be taken to prevent the spread of the virus.

- Faculty members uploaded various topics of Chemistry for students on the e-shiksha portal of R.T.M.U Nagpur.
- Staff members generously donated funds towards the Prime Minister Covid fund.