



SDMCET NEWS LETTER

Sri Dharmasthala Manjunatheshwara College of Engineering and Technology,
Department of Chemistry

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Editor-in-Chief:

Dr. A.A. Kittur

Editor:

Mrs. A. M. Tatagar

About Department

The Department of chemistry is established in the year 1979. Being a supportive department aims at channelizing the basic scientific ideas to the engineering studies. The department is a recognized research centre of VTU, Belgaum. Presently eight students are working for their doctoral studies. It has developed research expertise in current research domains of Coordination Chemistry, Synthetic Organic Chemistry, Polymer Chemistry, Material Chemistry, Nanotechnology & Drug Delivery etc. Good numbers of R&D projects have been completed and 02 projects are in progress. The department has 05 faculty members with more than 100 research publications in reputed peer reviewed national and international journals with high impact factor. The department conducts various activities and invited lectures to disseminate basic Chemistry knowledge to budding engineers. Blend of teaching and research expertise of the faculty is an added attribute in training the students.

ACADEMIC PERFORMANCE

UG	
SEM	RESULT (%)
I	88.6
II	86.7

EVENTS:

1. Department of chemistry conducted Science day on 28.02.2019. Essay competition was conducted to commemorate the work of Sir C V Raman as a part of Science Day observation.
2. To bring-in, the talent of Entrepreneurship, a unique competition on the theme Innovative Idea Presentation. Totally 41 innovative ideas were presented in this event. The competition is conducted on 18-10-2019 and 13-11-2019 at the college seminar hall from 2.30pm-5.00pm.
3. A chemistry related competition under the name Chem Buzz conducted for first year students.



Editorial:

It is my proud privilege to showcase the academic and extracurricular activities of the students and faculty members of the Department for the year 2019. I wish to congratulate all the students and faculty for their achievements in professional competence and in working as a team in building the Department with a positive attitude. Wishing them a grand success.

SPONSERED / FUNDED RESEARCH PROJECTS

- Principal Investigator: **Dr. A.A. Kittur**, Project title: Electrochemical Energy storage with modified Graphene Oxide-conducting Polymer Hybrids” Year of sanction **2015**, Funding Agency: **VGST**, Project amount: **20 lakhs**.
- Principal Co-ordinator: **Dr. Shafi A. Phaniband**, Title: “Nanofiltration Process to remove dye from Textile Effluents in Prevention of Environmental Pollution”, Year of sanction **2019-20**, Funding Agency: **VGST**, Amount: **05 lakhs**.

RESEARCH/ PUBLICATION BY FACULTY

- Elimination of methylene blue dye (MB) and cadmium (II) IONS from aqueous solution using iron oxide Nanoparticles (IONP'S) – an approach towards remediation of Industrial Effluent, Name of Faculty: Asma M. Tatagar, Year: November -2019
- Green Synthesis and Morphology of Nano yttria Mediated by Agaricus bisporus, Name of Faculty: Dr. N. Shashidhar, Publisher's Name: Asian Journal of Chemistry, Year: 2019
- Synthesis characterization and antibacterial study of Ag-Au Bi-metallic nanocomposite by bioreduction using piper betle leaf extract. Name of Faculty: Dr. N. Shashidhar, Publisher's Name: Journal Heliyon, Year: 2019
- Characterization and electron transport properties of polyaniline nanocomposites containing silve chloride nanoparticles embedded on the gelatin surface, Name of Faculty: Dr. N. Shashidhar, Publisher's Name: Taylor & Francis, Year: 2019
- Polyaniline nanofiber embedded with Y_2O_3 composities doped with dodecyl benzene sulfonic acid, characterization and electrical properties, Name of Faculty: Dr. N. Shashidhar, Publisher's Name: Bulletin of pure and applied science. Year: 2019

WORKSHOPS/SEMINARS/CONFERENCES/TRAINING PROGRAMS ATTENDED BY FACULTY

- Asma Tatagar: Attended & presented a paper on “Investigation on solubility & dissolution enhanument of poorly water soluble Glimperide by SDEDDS at National Conference held in Shimogga on 1st & 2nd March 2019.
- Sahana Nayak: Participated in National Conference and presented a paper “A review of Transition Metal oxides as electrode materials for super capacitors”.at SMVITM, Bantakal Udapi on 26 & 27th April 2019.

All faculty has attended Three days VGST Sponsored Faculty Development Program (FDP) on “TECHNICAL EDUCATION AND SKILL DEVELOPMENT IN INDIA” on on 3rd-25th January 2019 at SDM College of Engg. neeri & Technology, Dharwad - 02, Karnataka, India.

- Chemistry Classes are taken by Mrs Sahana Nayak for high school students under TBRP at SDMCET, Dharwad from 25th to 30th April 2019.
- Department BOS meeting was held on 27th May 2019 for the framing the syllabus for the year 2019-20.
- Dr. N. Shashidhar Participated in "Faculty Development Program for Student Induction (FDP-SI)" at VTU, Belagavi organized by All India Council for Technical Education (AICTE) held during 24-26th June 2019.
- Dr. N. Shashidhar attended the "Faculty Development Program for Student Induction (FDP-SI)" at Shri Venkateshwara College of Engineering, Bangalore organized by All India Council for Technical Education (AICTE) held during 23-29th July 2019.
- Dr. A.A. Kittur, Dr. N. Shashidhar & Mrs Sahana Nayak had been to Yarikoppa Village on 16.11.2019, 23.11.2019 and taken classes for 10th students.
- Dr. A.A Kittur & Prof. Sahana Nayak attended two days faculty development program on “LaTeX for Engineers and Research Scholars” held on 11th & 12th December 2019 at SDMCET, Dharwad.

