

## Departmental Activities (2021-2022)

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We at the Vasantrya Naik Mahavidyalaya are happy to inform you that the college is at the threshold of the important milestone of gloriously completing 50 years.

1. Dr. Jagdish Bharad, Head of Department of Chemistry working as a In charge Principal of Vasantrya Naik Mahavidyalaya, Aurangabad from 1<sup>st</sup> October 2019.
2. Department of chemistry arranged i. Guest lecture on "Career Opportunities in Plastics/polymer Engineering" for B. Sc and M. Sc Chemistry students delivered by ii) Guest Speaker: Mr. Shripad Kulkarni, Assistant Professor CIPET, Aurangabad and Mr. Dnyaneshwar Dhakane CIPET, Aurangabad dated 10/05/2022.  
ii. Guest lecture on Opportunities in chemical industries for B. Sc students delivered by Mr. Sandeep Jadhav Jubliant Biosys Delhi dated

### Departmental Publications

#### **Dr. J. V. Bharad**

1. Synthesis characterization, thermal, X-ray and antimicrobial study of Zn(II) metal complexes of dehydroacetic acid based new schiff bases. *Journal of advance Scientific Research* 13(3), 107-111, **2022**.
2. Development and validation of analytical method for quantification of bendroflumethazide content using UV-spectroscopic technique. *European J. of Biomedical and Pharmaceutical Sciences* 9(4), 403-408, **2022**

#### **Dr. J. J. Chamargore**

1. Analysis and Specifications of Ternary complexes of Copper Metal Ion with Pharmaceutical Ligands B-Diketone Ligand and Amino Acids "paper published in *International Journal of Chemical Sciences* Oct-2021.
2. Some Heavy Material Removal From Waste water By Using of Marble Powder" published paper in Knowledge Scholar in Feb 2022

#### **Dr. Balaji R. Madje**

1. Synthesis of 9,10-dihydro-9,9-dimethyl-12-phenyl-8H-benzo[a]xanthen-11(12H)-one derivatives promoted by Tartaric acid under ultrasound irradiation *International J. of Creative Research thoughts*, 10(2), 35-39, **2022**.
2. Docking Simulations and Primary Assessment of Newly Synthesized Benzene Sulfonamide Pyrazole Oxadiazole Derivatives as Potential Antimicrobial and Antitubercular Agents. *Polycyclic Aromatic Compounds*, 1-13, **2022**.
3. An efficient and recyclable Ionic Liquid catalyzed synthesis of 4-hydroxy-2H-chromen-2-one derivatives. *Heterocyclic Letters*, 12(2), 311-319, **2022**.
4. NMPyTs is an efficient catalyst for the synthesis of thiazolidine-4-one derivatives of isoniazide. *IJARESM*, 10(2), 24-29, **2022**.

5. Synthesis, characterization and antimicrobial evaluation of substituted N2-(1R,4R)-4-amniocyclohexyl)-N6-(phenyl)-9-cyclopentyl-9H-purin-2,6-diamine derivatives. *Journal of advance Scientific Research* 12(3), 265-269, 2021.
6. Synthesis, Characterization and Antimicrobial Evaluation of New 3-Alkyl/Arylamino)benzo[d]isothiazole 1,1-Derivatives. *oriental journal of chemistry* 37(4), 797-804, 2021.

#### **National/International/ State Level Webinar**

1. Dr. J. V. Bharad Participated in One Day National E-Conference on “Recent Development in Chemical Science” organized by Dept. of Chemistry & IQAC Anandrao Dhonde Alias Babaji Mahavidyalaya, Kada in Collaboration with Analytical Chemistry Teachers and Researchers Association (ACTRA), Aurangabad held on 29th April - 2022.
2. Dr. B. R. Madje participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on 1/03/2022 organized by intellectual property office, India.

#### **Co-curricular Activities**

1. Dr. B. R. Madje worked as subject expert at Deogiri College dated 24/09/2021, worked as Pro Vice Chancellor nominated subject expert under selection committee for CAS and affiliation and Completed one minor research project sanctioned by Dr. BAMU Aurangabad.