



Yuvraj Prakash Kale

Assistant Professor
Dept. of Biochemistry
GNA College, Barshitakli
Dist. Akola

✉ yuvraj kale27@gmail.com
☎ 9767727379

EDUCATION

M. Sc. NET SET
Biochemistry
S.P.P.U Pune
Maharashtra, India

OBJECTIVE

To associate with an organization that provides an opportunity to utilize my skills and knowledge and help in the growth of the organization and self.

RESEARCH INTERESTS

Screening and characterization of thrombin inhibitor from plants

Sickle cell Disease management of herbal medicine.

Drug discovery and target.

TECHNICAL SKILLS

Micro-plate reader
Gel electrophoresis
HPTLC
Chromatography
HPLC,
FTIR, SEM
UV-Spectrophotometer
PH meter
General laboratory techniques

WORK EXPERIENCE

Project Researcher

- Organization: Design Innovation Centre, Savitribai Phule Pune University, Pune.
[Funding Agency: MHRD GOI]

Designation: Research Fellow

Role & Responsibilities: Work done on the research project "Development of Phyto-pharmaceuticals for management of sickle cell disorder: SCDM is the herbal formulation of Indian medicinal plants. It is aimed to provide better management of the pathophysiological condition in SCD".

Project Guide:- Assistant. Prof. Dr. P. J. Doshi, Department of Chemistry, SPPU, Pune.

DETAILS OF RESEARCH WORK:

- Ph.D. in Biochemistry (Pursuing)
Title of Ph. D. Thesis: "Screening and Characterization Anti-thrombin Inhibitor From plant".
Research Guide: Prof. (Mrs.) Dr. Pawanjeet Chhabda Department of Biochemistry, B.P.H.E. Society's Ahmednagar College, Ahmednagar.
- M.Sc. Research Project
Title of project: "Siderophore mediated mineralization of struvite ": A novel route of in vitro synthesis of mineral. (May'15 - April '16)
Project Guide:- Prof. Dr. Kisan .M. Kodam. Department of Chemistry, SPPU, Pune.

RESEARCH PUBLICATIONS:

- Kale Y. Idhole S. Ahir M. Phyto-pharmaceutical studies and antioxidant activity of some medicinal plants used for the management of disease. IJCRT 2022 volume;10(2).
- Nandre, V., Kumbhar, N., Battu, S., Kale, Y., Bagade, A., Haram, S., & Kodam, K. (2021). Siderophore mediated mineralization of struvite: A novel greener route of sustainable phosphate management. Water Research, 203, 117511.
- Jaiwal B, Kale Y, Patil A. In-vitro inhibitory effect of standard phenolic compounds against human salivary metalloproteinases. JETIR. 2023;10(4).

EXTRACURRICULAR ACTIVITIES:

- Member of Research and Extension committee since academic year 2021-23
- Member of Major Research Project committee since academic year 2021-23
- Member of Minor Research Project committee since academic year 2021-23
- Member of UGC Scheme & Project Planning committee since academic year 2021-23
- Member of MOU Linkage Committee since academic year 2021-23
- Member of N. S. S. committee since academic year 2021-23
- Member of Career Katta committee since academic year 2021-23
- Chairman of Campus Placement committee since academic year 2021-22
- Member of Sport and playground committee since academic year 2021-22
- Member of N. S. S. committee since academic year 2021-22