Shri Amolak Jain Vidya Prasarak Mandal's

Smt. S. K. Gandhi Arts, Amolak Science & P.H. Gandhi Commerce College, Kada, Tal. Ashti. Dist. Beed. PIN- 414202

Bio-Data

First Name	Shivaji	Middle Name	Machhindra	Last Name	Jagadale	Photograph

Designation	Associate Professor
Address	Department of Chemistry Smt. S. K. Gandhi Arts, Amolak Science & P.H. Gandhi Commerce College, Kada, Beed (M.S.)
Subject	Chemistry
Date of Joining	15/06/2009
Phone Number Office	02441-239378
Mobile Number	9421587137
Email ID	shivaji.m.jagadale@gmail.com
Date of Birth	01/09/1979

Educational Qualifications

Degree	University	Year
Ph.D.	S P P University Pune	2022
M.P.hil.	M.K.University Madurai	2009
M.Sc.	Pune university Pune	2004
B.Sc./B.A./B.Com/B.C.S	Pune university Pune	2000
B.Ed.	Pune university Pune	2003
MSCIT	MSBTE, Mumbai.	2009

Career Profile

1. Assistant Professor Smt. S. K. Gandhi Arts, Amolak Science & P.H. Gandhi Commerce College Kada 15/06/2009 to till date

Administrative Assignments

1.Member of Admission committee

2.Member of IQAC Committee

3. Member of academic calendar committee

4.Member of college Grievance committee

5. Member of sport Committee

Areas of Interest / Specialization

- Organic Chemistry
- Synthetic organic chemistry

Subjects Taught

- Organic Chemistry
- Undergraduate practical
- Spectroscopy
- Natural products
- Green Synthesis

Training Courses [Orientation/Refresher/ Short Term/FDP/Any Other]

1.106th Orientation Programme -ASC Devi Ahilya Vishwavidyalaya Indore 02-01-2013 to 29-01-2013
2. Refresher in chemistry / chemical technology/pharmacy ASC Dr. B. A. M. U. Aurangabad05/06/2014 to 25/06/2014
3.Refresher in gender sensitization ASC Dr. B. A. M. U. Aurangabad 01/02/2019 to 22/02/2019
4.FDP on Cyber securities PMMMNTT NEW Delhi 02/12/2019 to 07/12/2019
5.Short on Term Epidemic and PandemicUGC – H RDC GUJARAT UNIVERSITY, Ahmedabad.04/10/2021 to 10/10/2021
6.FDP on enhancing soft skills and personality NPTEL-AICTE Feb- Apr2021
7.STC in Yoga and Wellness 27/12/2021to 01/01/ 2022

Title of M.Phil/ Ph.D. Thesis

1. Synthesis of 3-aroyl flavanone and their biological characterization studies
2. Synthesis and biological screening of novel thiazole ,pyrazole and1,2,3triazole derivatives

Research Highlights

- **Synthesis and biological screening of thiazole, pyrazole, and triazole derivatives have valuable insights into the structure-activity relationships and potential therapeutic applications of derivatives.**
- **These synthetic strategies allow the creation of diverse compound libraries, enabling systematic structure-activity relationship (SAR) studies.**
- **The synthesis has involved modifications in the substitution patterns, functional groups, and linker moieties, with unique chemical properties and biological activities.**
- **Thiazole, pyrazole, and triazole derivatives have exhibited significant antimicrobial properties against various bacterial and fungal pathogens.**
- **These derivatives show efficacy against drug-resistant strains, for the development of novel antibiotics and antifungal agents.**
- **The synthesis and biological screening of thiazole, pyrazole, and triazole derivatives led to the discovery of potential anticancer agents and anti TB agents.**
- **These compounds show cytotoxic activity against different cancer cell lines, inhibiting tumor growth and inducing apoptosis.**
- **Thiazole, pyrazole, and triazole derivatives demonstrate anti-inflammatory properties in various in vitro and in vivo models.**
- **The synthesis of derivatives with anti-inflammatory activity develop new therapeutic agents for inflammatory diseases, as rheumatoid arthritis, asthma, and inflammatory bowel disease.**
- **Thiazole, pyrazole, and triazole derivatives have show potential as CNS modulators.**

- ❖ **It accelerates the development of drugs for neurological disorders, including Alzheimer's disease, Parkinson's disease, and depression.**
- ❖ **The dysregulation plays a role, such as cancer, cardiovascular diseases, and metabolic disorders.**

Research Students Guided

Books Publications

- Soil and Nutrient Management

Publications

Sr. No.	Title With Page No.	Journals	ISSN /ISBN
1	Physico Chemical Analysis of water from Sina Reservoirs.	Applied Research & Developement Institute Journal	2249-8346
2	Physico-chemical analysis of sediment from sina reservoirs	Applied Research & Developement Institute Journal	2249-8346
3	Synthesis and antimicro bacterial evaluation of new 1-substituted benzyl-4-(1-phenyl-3substituted phenyl 1H-pyrazol-4yl)1H-123 triazole derivatives	International journal of scientific research in science and technology	2395-6011
4	Physicochemical studies of Sina dam water of Ahmednagar district in (MS)	Vidyawarta	2319 -9318
5	Investigation of physicochemical parameters of soil in kada taluka ashti	Vidyawarta	2319 -9318
6	Bioaccumulation of cypermethrin in the liver of cirrhinus mrigala	Our heritage	0474-9030
7	Synthesis and antimicrobial evaluation of new thiazolyl-1,2,3-triazolyl-alcohol derivatives	Medicinal Chemistry Research	1054-2523
8	Synthesis of New Thiazole and Pyrazole Clubbed 1,2,3-Triazol Derivatives as Potential Antimycobacterial and Antibacterial Agents	Polycyclic Aromatic Compounds	1563 -5333
9	Synthesis, characterization and antimicrobial screening of new pyrazolyl-1,2,3-triazolyl-thiazolylethanol derivatives	Phosphorus, Sulfur, and Silicon and the Related Elements	1563-5325
10	The biological active azole drug compounds: Review	Science, Technology and DevelopmentMultidisciplinary Journal	0950-0707
11	Advances of novel Pyrazole containing derivatives as anti-tubercular agents	Vidyawarta	2319 -9318
12	Synthesis, antimicrobial and ergosterolbiosynthesis inhibition activity of clubbed1,10-biphenyl-pyrazole derivatives	New J. Chem	1369-9261
13	Synthesis and Biological Screening of New 2-(5-Aryl-1-phenyl-1H-pyrazol-3-yl)-4-arylThiazole Derivatives as PotentialAntimicrobial Agents	ACS Omega	2470-1343
14	Efficient synthetic routes to uncommon thiazole-tethered 1,2,4-oxadiazole derivatives	arkivoc	1551-7012

Research Projects (Major Grants/Research Collaboration)

Awards and Distinctions
Association With Professional Bodies
Consultancy
Other Activities

Signature