

Dr. Sonalika Pawar, M.Sc., B.Ed., Ph.D.
SET, NET (CSIR-JRF), GATE
Assistant Professor
Fergusson College
Deccan Education Society, Pune.
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Present position

- Assistant Professor, Department of Chemistry, Fergusson College (Autonomous)
- Programme Officer

Contact Details (Mention e-mail) – fergusson.edu or despune.org



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Work Experience

- Teaching: 10 years
- Research/Industrial: 17 years

Personal Profile

Name : Sonalika V. PAWAR

Sex : Female

Nationality : Indian

Marital Status : Married

Languages known: English, Hindi, Marathi, and German (Beginner).

Permanent Address:

A-1004, Kunal Aspiree

Balewadi, Pune -45, India

Course(s) Taught (Only Titles)

1. Spectroscopy
2. Organic Reaction Mechanism
3. Advance Organic Chemistry
4. Organic and Inorganic Chemistry
5. Analytical Chemistry
6. Pharmacology

Field of Specialization/Areas of Interests

- Design and Synthesis of small drug-like molecules as well as peptide antiviral agents
- Design and synthesis of peptides and peptidomimetics

Education

- **Ph.D.** (Chemistry) December 2010, Katholieke Universiteit Leuven, Belgium.
Supervisors: Prof. Dr.Wim Deborggraeve and Prof. Dr. Wim Dehaen
Thesis Title: Synthesis of Conformationally Restricted α -Helix Mimics as Rev Multimerization Inhibitors and Synthesis of Functionalised 1-Hydroxypyrazin-2(1H)-one Scaffolds as Potential Integrase Inhibitors.
- **Master of Science** (Chemistry): June 2003, With Distinction, SRTM University, Nanded, India.
- **Bachelor of Science**: June 2001, With Distinction, SRTM University, Nanded, India.
- **Bachelor of Education**: June 2004, SRTM University, Nanded, India.

Fellowship/Awards/ Certifications/Achievements/Recognitions

- **Travel Award**, American Peptide Society, USA, 2009.
- **Doctoral Scholarship** of the Interfaculty Council for Development Co-operation (IRO), 2007-2011, KULeuven, Belgium.
- **NET-Junior Research Fellowship- CSIR** in chemical sciences (Selected for Shyama Prasad Mukharji Fellowship examination) National Eligibility Test Held on 19 Dec. 2004)
- **GATE**-2005 with percentile score 95.28 conducted by IIT with all India rank 160.
- **SET** Aug. 2004 (State Eligibility Test for Lectureship in Chemistry)

Member of College Committees/ Professional Bodies and Others

College Level	Professional Bodies	Others
Programme Officer NSS		Member, Board of Studies
Industry-Academia Cell		
Entrepreneurship cell		

Research Publications in National and International Journals

- Anh Hung Mai, **Sonalika Pawar**, Wim M De Borggraeve, Synthesis of 1-benzyloxypyrazin-2 (1H)-one derivatives. *Tetrahedron Letters* **2014**, 55(33): p. 4664-4666.
- Vercruysse, T.; **Pawar, S.**; De Borggraeve, W.; Pardon, E.; Pavlakis, G. N.; Pannecouque, C.; Steyaert, J.; Balzarini, J.; Daelemans, D., Measuring cooperative Rev protein-protein interactions on Rev responsive RNA by fluorescence resonance energy transfer. *RNA Biology* **2011**, 8 (2), 316-324.
- **Pawar, S.**, Vercruysse, T., Dehaen, W., Daelemans, D., De Borggraeve, W. Synthesis of Conformationally Restricted α -Helix Mimics ss Rev Multimerization Inhibitors. *Biopolymers: vol. 92* (4). 21st American Peptide Symposium. Bloomington, **7-12 June 2009**, 331-331.
- **Pawar, S. V.**; Pawar, V. G.; Dehaen, W; De Borggraeve, W. M.; Synthesis of Highly Functionalized 2(1H)-Pyrazinone 3-Carboxamide Scaffolds. *Organic Letters*, **2008**. 10(20): p. 4473-4476.
- 12th Sigma-aldrich Organic synthesis meeting, **4-5 Dec.2008**, Synthesis of highly functionalized 2(1H)-pyrazine 3-carboxamide scaffolds. **Sonalika Pawar**, Wim Dehaen, Wim De Borggraeve. (Poster)

Participation in Conferences/Seminars/Symposia/Workshop:

- Workshop On Research Writing And Legal Aspects Of Academic Research (Chemistry) organized by the Faculty Development Centre UGC-Human Resource Development Centre, Savitribai Phule Pune University, Pune – 411007 from 12/06/2020 to 13/06/2020 (12 contact hours)
- Faculty development programme on Moodle learning management system organized by Department of Electronics and Telecommunication Engineering, PICT, Pune in association with Spoken Tutorial, IIT Bombay, during 26th May to 30th May 2020.
- Two - week inter-disciplinary refresher course/faculty development programme on “Managing Online Classes & Co- creating MOOCS 5.0” from 11 - 25 May, 2021 and obtained Grade A+.
- 170th Orientation Programme organised by the UGC- Human Resource Development centre, Savitribai Phule Pune University from 15/9/2019 to 5/10/2019 and obtained Grade A+.
- 12th Sigma-aldrich Organic synthesis meeting, 4-5 Dec.2008, Synthesis of highly functionalized 2(1H)-pyrazinone 3-carboxamide scaffolds. Sonalika Pawar, Wim Dehaen, Wim De Borggraeve. (Poster)
- Completed training in Research Based Pedagogical Tools for undergraduate students organized by British Council and IISER, Pune.

Events Organized/Coordinated:

Sr. No	Name of the Event	Name of organizing Institute/ College/ University	Nature of contribution	Dates
1	SET/NET Workshop	Fergusson,College (Autonomous)	Coordinator	March, 2022
2	Today's Research, Tomorrow's future	Fergusson,College (Autonomous)	Coordinator	March,2022
3	Industrial carrier summit	Fergusson,College (Autonomous)	Coordinator	Nov, 2019
4	SET/NET Workshop	Fergusson,College (Autonomous)	Coordinator	Oct, 2016
5	Research and scientific writing workshop	Fergusson,College (Autonomous)	Coordinator	Sept, 2016
6	Soft skill development workshop	Fergusson,College (Autonomous)	Coordinator	Aug, 2016
7	Curriculum development workshops	Fergusson,College (Autonomous)	Coordinator	Aug, 2016
8	Award functions- Lupin Award Functions	Fergusson,College (Autonomous)	Coordinator	Jan. 2015
9	Award functions- Lupin Award Functions	Fergusson,College (Autonomous)	Coordinator	Jan, 2014
10	Award functions- Lupin Award Functions	Fergusson,College (Autonomous)	Coordinator	Dec, 2013

Consultancy Services

- Florentis Pharma pvt. Ltd.
- Synthink Pvt. Ltd