


**SRES', Sanjivani College of Engineering, Kopargaon**  
(An Autonomous Institute affiliated to SPPU, Pune)

**Staff Profile**

<b>Personal Information</b>			
<b>Name of Teaching Staff: Dr. Chine Sonali Shankarrao</b>			
<b>Designation: Assistant Professor</b>			
<b>Department : Engimeering Sciences &amp; Humanities</b>			
<b>Date of joining : 24/08/2010</b>			
<b>E Mail ID :</b>	<b>chinesonalify@sanjivani.org.in</b>		
<b>Contact No:</b>	<b>9822817766</b>		
<b>Education Details</b>			
<b>Qualification</b>	<b>Specialization with Class or Grade</b>	<b>University</b>	<b>Year</b>
<b>UG</b>	<b>Chemistry (Distinction)</b>	<b>S.P.P.U Pune</b>	<b>2005</b>
<b>PG</b>	<b>Organic Chemistry (First Class)</b>	<b>S.P.P.U Pune</b>	<b>2007</b>
<b>Ph.D</b>	<b>Organic Chemistry</b>	<b>Dr. Babasaheb Ambedkar Marathwada University, Aurangabad</b>	<b>2020</b>
<b>Total experience in years:</b>			
<b>Teaching:</b>	<b>13 years</b>		
<b>Industry:</b>	<b>--</b>		
<b>Research and Publications</b>			

## **Paper Published/ Presented**

1. **Sonali S. Chine**, “Application of Fly Ash as Robust Catalyst towards Biginelli Reaction”, Journal of Xidian University, Vol. 16 Issue 1, **2022**  
<https://doi.org/10.37896/jxu16.1/029>
2. **Sonali S. Chine**, “Interaction between Solvent Solvent Molecules in Tertiary Mixture at different temperatures by ultrasonic technique”, International Journal for Research in Engineering Application & Management, **2021**, 6,10.
3. **Sonali S. Chine**, Oral Presentation on, “Synthesis of 1,8- dioxo-octahydroxanthenes by using chalcopyrite catalyst under microwave irradiation at IWCSET-2020 organized by STAMI, Nagpur from 15<sup>th</sup> to 16<sup>th</sup> May **2020**.
4. **Sonali S. Chine**, “Interaction between Solvent Solvent Molecules in Tertiary Mixture at different temperatures by ultrasonic technique”, Interaction between Solvent Solvent Molecules in Tertiary Mixture at different temperatures by ultrasonic technique, **2020**, 5, 9.
5. **Sonali S. Chine**, Presented Poster, “A Green Protocol for Imidazole Synthesis” in International Web Conference on “Chemistry & Environment Interface **2020** organized by ACS, College, Lanja.
6. **Sonali S. Chine**, C. S. Patil and Rajendra P. Pawar, “A Green Protocol for Benzimidazole Synthesis using Fly Ash as Reusable Catalyst”, Curr. Pharm. Res. **2019**, 417, 134-143.
7. **S. S. Chine** and C. S. Patil, “A Novel Method for Synthesis of 1,4-Dihydropyridines Using Robust Laterite Catalyst under Ultrasonic Irradiation”, Asian Journal of Chemistry vol.31(1),pp. 128-134, **2019**
8. **Sonali S. Chine**, C. S. Patil, “Application of Fly Ash as Robust Catalyst towards Biginelli Reaction”, presented in National level seminar on, “Recent Advancement in Chemistry”, SBES College of Science Aurangabad, **2019**.
9. S.R.Dudhat, **Sonali S. Chine**, “Interaction between solvent-solvent molecules in a tertiary mixture at different temperatures by ultrasonic technique”, IJREAM, **2019**, vol. 5(9), 274-276.
10. S.R.Dudhat, **Sonali S. Chine**, C. S. Patil, “Use of Ultrasonic Interferometer to Study the interaction between Solvent-Solvent Interaction in an aqueous medium at Different Temperatures”, presented in International Conference, Exploring New Horizons in Chemical Sciences, Deogiri College Aurangabad, 10- 12<sup>th</sup> Jan **2019**.
11. **Sonali S. Chine**, C. S. Patil and V. B. Gade, “Fly Ash Catalyzed Microwave Assisted Multicomponent Synthesis of Trisubstituted Imidazole Derivatives”, Current Catalysis, vol.7(3), pp. 194-201, **2018**
12. **Sonali S. Chine**, C. S. Patil and Rajendra P. Pawar, “Silty clay- containing soil catalyzed microwave assisted multicomponent synthesis of octahydroquinazolinone derivatives,” European Chemical Bulletin, 7(11), 318-323, **2018**.
13. **Sonali S. Chine**, C.S. Patil, “Laterite Catalyzed Greener Protocol for Synthesis of Pyrano pyrazoles” , International Journal of Research and Analytical Reviews vol.5(2), pp. 1786-1789, **2018**
14. **Sonali S. Chine**, C. S. Patil, “SILT TOWARDS HETEROGENEOUS CATALYSIS”, International Journal of Current Research Thoughts, vol.6 (2), pp. 210-213, **2018** (ISSN No. 2320-2882, Impact factor 5.97, UGC approved Jr. No. 49023)

- 15. Sonali S. Chine, C.S.Patil, Ecofriendly Adsorbent for Dye Removal, International Journal of Universal Print, vol. 4 (3), pp. 151-157, 2018**
- 16. S. R. Dudhat, V. A. Jundale, S. S. Chine, "Use of Ultrasonic Interferometer to study Solvent- solvent Interaction at Different Temperatures", International Journal for Research in Engineering Application & Management(IJREAM), pp. 894-897, 2018**
- 17. S.R.Dudhat, S.S.Chine, "Solvent-Solvent Interaction in a tertiary mixture at different temperatures by ultrasonic technique", Paripex- Indian Journal of Research, vol.7(8), pp. 363-365, 2018**
- 18. S.R.Dudhat, S.S.Chine, "Interaction between solvent-solvent molecules in a ternary mixture at different temperatures by ultrasonic technique," World Journal of Pharmacy and Pharmaceutical Sciences, vol.7(9), pp. 943-948, 2018**
- 19. S.R.Dudhat , S.S.Chine, "Study of Solvent-Solvent Interaction in a Tertiary Mixture By Ultrasonic Technique At Different Temperatures", International Journal of Research in Engineering Application & Management (IJREAM), Vol. 4(5), Aug 2018**
- 20. S.R.Dudhat, Sonali S. Chine, C. S. Patil, "Use of Ultrasonic Interferometer to Study Solvent-Solvent Interaction in Aqueous Medium at Different Temperatures", Sanjivani Vision-2018 Proceeding of National Conference Advances in Engineering and Management, pp. 252-255.**
- 21. S.R.Dudhat, S.S.Chine, "Solvent-Solvent Interaction in a aqueous medium of tertiary mixture at different temperatures by ultrasonic technique", Presented in 2<sup>nd</sup> international conference on Emerging Trends in Science and Technology, 29-30<sup>th</sup> Sep 2018**
- 22. S.S.Chine , C.S.Patil, Nonconventional methodologies are excellent tools for synthesis of Heterocycles, Printing Area, International Interdisciplinary Research Journal, (Special issue on National Conference on "Frontiers in Chemical Sciences"), pp. 146-151, 2017.**
- 23. S.R.Dudhat, S.S.Chine, M. V. Kulkarni, "Solvent-Solvent Interaction in a Aqueous Medium at Different Temperatures by Ultrasonic Techniques", Journal of Research in Engineering and Applied Sciences, vol.2(1), pp. 38-41, Jan. 2017.**
- 24. S.S.Chine, C.S.Patil, M.R.Sonawane, N-heterocyclic Compounds Towards Organocatalysis. Journal of Medicinal Chemistry and drug Discovery(February 2016)**
- 25. S.S.Chine, S.R.Korke, Orange peel as a low cost adsorbent for congo red dye. International conference on Recent Trends In Chemical and Environmental Sciences,Sangamner(12-13 February 2016)**

26. **S.S.Chine** ,S.R.Korke, C.S.Patil, Congo red dye removal from aqueous solution using low cost adsorbent .International Journal of Modern Trends in Engineering and Technology(Impact factor 1.711) & proceeding of 4<sup>th</sup> International conference on Recent Trends in Engineering and Technology, Chandwad (2-4 July **2015**)

27. S.R.Dudhat, **S.S.Chine** and M.V.Kulkarni, Prevention of Corrosion by using different methods, National conference on ‘Material Advances For Better Future’,Bhende Dist.A.Nagar Jan.**2015**

28. S.R.Dudhat, **S.S.Chine** and B.R. Shinde, Study of Intermolecular interactions in binary, ternary and quaternary mixtures. Deccan current science Int.Jou.June-**2013**.

29. **S.S.Chine** and S.R. Dandawate,Wonders of Nanotechnology in Drug Delivery System, NCNAP: Feb. **2013**, pp.172-175.

30. S.R. Dandawate and **S.S.Chine**, Applications of nanotechnology: A Review. NCNAP: Feb. **2013**, pp.172-175.

31. **S.S.Chine** and S.R. Korke, Physico-Chemical methods for colour removal of waste water in molasses based alcohol distilleries: A Review, Deccan current science Int.Jou.June-**2012**.

32. S.R. Korke and **S.S.Chine**, Performance evaluation of UASB reactor at Sanjivani ETP treating distillery wastewater, Deccan current science Int.Jou.June-**2012**.

**Research Profile URL**

Google Scholar	<a href="https://scholar.google.com/citations?user=isrOF MAA AAJ&amp;hl=en">https://scholar.google.com/citations?user=isrOF MAA AAJ&amp;hl=en</a>
Scopus	
Orcid	

**Other Research Details**

Ph D Guide ?Give field & University:	
Ph Ds/ Projects Guided:	
Books Published	
IPRs/Patents	
Professional Memberships:	

<b>Interaction with professional institutions</b>			
<b>Consultancy Activities</b>			
<b>Duration</b>	<b>Title of Activity</b>	<b>Issued Organization</b>	<b>Amount</b>
<b>Grants fetched</b>			
<b>Duration</b>	<b>Title</b>	<b>Issued Organization</b>	<b>Amount</b>
<b>Awards</b>			
<p>1) Best Outstanding Researcher Award by Kamarajar Institute of Education &amp; Research (KIER) in December 2020</p> <p>2) Best Oral Presentation Award in National Conference on Recent Developments In Science, Ghansawangi, Jalna (21<sup>st</sup> January 2018)</p>			
<b>FACULTY DEVELOPMENT PROGRAMMES ATTENDED</b>			
<b>Name of the FDP / Workshop</b>	<b>Organization</b>	<b>Duration</b>	<b>Month-Year</b>
1) Innovations in Applied Research in Science & Technology	KDKCE Nagpur	1 Week	11 <sup>th</sup> -18 <sup>th</sup> October 2021
2) NBA Awareness workshop	Association of the Managements of unaided Engineering colleges	4 Days	11-14 <sup>th</sup> May 2021
3) Alternate Fuels	AICTE Training and Learning (ATAL) Academy	1 Week	7 <sup>th</sup> September to 11 <sup>th</sup> September 2020
4) Smart Technologies for Drug Design, Energy and Environment	Kumaraguru College of Technology, Coimbatore	1 Week	1st to 7th September 2020

5) “Solar Energy Conversion and Storage	Poornima Institute of Engineering and Technology, Jaipur	<b>1 Week</b>	31 <sup>st</sup> August to 4 <sup>th</sup> September 2020
6) NBA Accreditation and Teaching-Learning in Engineering	NPTEL online course	<b>8 Week</b>	Jan-April2020
7) Innovative Teaching Pedagogy in the Technical Institutions	IQAC, KBT COE, Nashik	<b>1 Week</b>	1 <sup>st</sup> June to 5 <sup>th</sup> June 2020
8) ICT Tools for Teaching Learning	SRTM University, Nanded.	<b>1 Week</b>	11 <sup>th</sup> to 16 <sup>th</sup> May 2020
9) Use of ICT in Teaching Learning	Dr. Ghali College, Gadhinglaj.	<b>1 Week</b>	1 <sup>st</sup> June to 6 <sup>th</sup> June 2020
10) Effective Use of ICT Tools for Efficient Online Teaching	PICT, Pune	<b>2 Days</b>	29 <sup>th</sup> to 30 <sup>th</sup> May 2020
11) Outcome Based Education and NBA Accreditation	MIT Aurangabad	<b>1 Day</b>	27 <sup>th</sup> May 2020
12) Art of Research Paper Writing and IPR	PCCOE, Pune	<b>3 Days</b>	25 <sup>th</sup> to 27 <sup>th</sup> May 2020
13) ICT Tools for Online Teaching	Sanjivani COE, Kopergaon	<b>1 Day</b>	26 <sup>th</sup> May 2020
14) Spoken Tutorial Technology	SKNCOE in Association with IIT, Bombay	<b>1 Week</b>	18 <sup>th</sup> to 22 <sup>nd</sup> May 2020
15) Project Proposals for Funding Agencies, Preparation and Submission of Protocol	Patrician College Research Committee	<b>2 Days</b>	16 <sup>th</sup> to 17 <sup>th</sup> May 2020

**FACULTY DEVELOPMENT PROGRAMMES ORGANIZED**

<b>Name of the FDP / Workshop</b>	<b>Organization</b>	<b>Duration</b>	<b>Month-Year</b>	<b>Capacity</b>
-----------------------------------	---------------------	-----------------	-------------------	-----------------

<b>INVITED LECTURES IN CONFERENCE/SEMINAR</b>				
<b>Title of Lecture/ Academic Session</b>	<b>Title of Conference/ Seminar etc.</b>		<b>Organized By</b>	

<b>OTHER Professional URLs</b>	
<b>Personal Website</b>	
<b>Linked In Profile</b>	<a href="https://in.linkedin.com/in/dr-sonali-chine-b666361b7">https://in.linkedin.com/in/dr-sonali-chine-b666361b7</a>
<b>GitHub URL</b>	
<b>YouTube Channel</b>	<a href="https://www.youtube.com/channel/UCjeNOBqQf_RBdeOXr2S-zcQ">https://www.youtube.com/channel/UCjeNOBqQf_RBdeOXr2S-zcQ</a>
<b>Other</b>	

**Any Other:**