


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

Staff Profile

| | | | |
|--|---|---|---|
| Personal Information | | | |
| Name of Teaching Staff: Dr. Chine Sonali Shankarrao | | |  |
| Designation: Assistant Professor | | | |
| Department : Electronics and Computer Engineering | | | |
| Date of joining : 24/08/2010 | | | |
| E Mail ID : | | chinesonalify@sanjivani.org.in | |
| Contact No: | | 9822817766 | |
| Education Details | | | |
| Qualification | Specialization with Class or Grade | University | Year |
| UG | Chemistry (Distinction) | S.P.P.U Pune | 2005 |
| PG | Organic Chemistry (First Class) | S.P.P.U Pune | 2007 |
| Ph.D | Organic Chemistry | Dr. Babasaheb Ambedkar Marathwada University, Aurangabad | 2020 |
| Total experience in years: | | | |
| Teaching: | | 17 years | |
| Industry: | | -- | |
| Research and Publications | | | |

1. Synthesis and characterisation of mixed oxides of Co–Ni catalyst and its application in microwave mediated synthesis of Benzo[b]Pyrans, *Journal of the Indian Chemical Society*, 101, **2024**
2. Co(II)–Cu(II) mixed-oxide catalysts for single-step synthesis of 2,4,5-triaryl-1H-imidazole derivatives under microwave irradiation, *Dalton Transactions*, **2024**
3. Assessment of Physico-Chemical Properties of Soil in Pomegranate orchards from Sangamner and Rahata, Ahmednagar District (Maharashtra) India, *Biological Forum – An International Journal*, 15(6), **2023**
4. **Sonali S. Chine**, Formulation & evaluation of self nanoemulsifying drug delivery systems, *European Chemical Bulletin*, 12(6), **2023**
5. **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>
6. **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.
7. **Sonali S. Chine**, Oral Presentation on, “Synthesis of 1,8- dioxo-octahydroxanthenes by using chalcopryrite catalyst under microwave irradiation at IWCSET-2020 organized by STAMI, Nagpur from 15th to 16th May **2020**.
8. **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.
9. **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.
10. **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.
11. **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**
12. **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**.
13. 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.
14. 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- 12th Jan **2019**.
15. **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**
16. **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**.
17. **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**

19. **Sonali S. Chine**, C.S.Patil, Ecofriendly Adsorbent for Dye Removal, International Journal of Universal Print, vol. 4 (3), pp. 151-157, **2018**
20. 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**
21. 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**
22. 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**
23. 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**
24. 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.
25. S.R.Dudhat, **S.S.Chine**, "Solvent-Solvent Interaction in a aqueous medium of tertiary mixture at different temperatures by ultrasonic technique", Presnted in 2nd international conference on Emerging Trends in Science and Technology, 29-30th Sep **2018**
26. **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**.
27. 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**.
28. **S.S.Chine**, C.S.Patil, M.R.Sonawane, N-heterocyclic Compounds Towards Organocatalysis. Journal of Medicinal Chemistry and drug Discovery(February **2016**)
29. **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**)

| | |
|---|---|
| <p>30. 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 4th International conference on Recent Trends in Engineering and Technology, Chandwad (2-4 July 2015)</p> <p>31. 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</p> <p>32. 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.</p> <p>33. S.S.Chine and S.R. Dandawate,Wonders of Nanotechnology in Drug Delivery System, NCNAP: Feb. 2013, pp.172-175.</p> <p>34. S.R. Dandawate and S.S.Chine, Applications of nanotechnology: A Review. NCNAP: Feb. 2013, pp.172-175.</p> <p>35. 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.</p> <p>36. 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.</p> | |
| Research Profile URL | |
| Google Scholar | https://scholar.google.com/citations?user=isrOF_MAAAAJ&hl=en |
| Scopus | 57204910349 |
| Orcid | https://orcid.org/0000-0003-1084-4760 |
| Other Research Details | |
| Ph D Guide ?Give field & University: | -- |
| Ph Ds/ Projects Guided: | -- |
| Books Published | 1. Engineering Chemistry by JEC Publication 2. Practical Handbook of Engineering Chemistry by Orangebook Publication |
| IPRs/Patents | Design Patent: Plastic Waste Management Certificate No. : 124176 Design No.: 373986-001 Date of Issue: 09/01/2023 |

| | | | |
|---|---|---------------------|-------------------------------|
| Professional Memberships: | -- | | |
| Interaction with professional institutions | | | |
| Consultancy Activities | | | |
| Duration | Title of Activity | Issued Organization | Amount |
| | | | |
| Grants fetched | | | |
| Duration | Title | Issued Organization | Amount |
| | | | |
| Awards | | | |
| <div>1) Young Women Scientist Award Jan 2025 by School of Sciences, Sanjivani University, and Sanjivani Arts, Commerce & Science College, Kopargaon (Shirdi), Maharashtra (India), in collaboration with the Microbiologist Society, India (MBSI), Ural Federal University, Russia, and Vijnana Bharati (VIBHA).</div> <div>2) Best Outstanding Researcher Award by Kamarajar Institute of Education & Research (KIER) in December 2020</div> <div>3) Best Oral Presentation Award in National Conference on Recent Developments In Science, Ghansawangi, Jalna (21st January 2018)</div> | | | |
| FACULTY DEVELOPMENT PROGRAMMES ATTENDED | | | |
| Name of the FDP / Workshop | Organization | Duration | Month-Year |
| Waste to Energy Conversion | IIT Roorkee | 8 Week | Jan-March 2025 |
| Holistic Developement through NEP 2020 | D.Y. Patil College of Engineering, Akurdi, Pune | 1 Week | 22-26 th July 2024 |

| | | | |
|--|--|---------------|--|
| “Effective Drafting of Research Paper and IPR” | Department of Civil Engineering D. Y. Patil College of Engineering, Akurdi, Pune-44, Board of Studies (BoS) : Civil Engineering SPPU, Pune, Indian Society of Technical Education (ISTE) | 1 Week | 18-23rd Dec 2023 |
| Modern Trends of Design Thinking, Sciences and Professional Skills in Engineering | MIT ADT University, Pune | 2 Week | 11-22th Dec 2023 |
| Outcome based education and Accreditation | NPTEL and AICTE | 8 Week | Aug-Oct 2023 |
| National level FDP on Outcome Based Education | JPM Arts & Science College Kanchiyar and IPSR solutions | 1 Week | 16-22 nd Feb 2023 |
| One Week National Level FDP on Patent Drafting & Filing, SCOE, Kopargaon. 5th to 9th June 2023 | Sanjivani College of Engineering, Kopargaon | 1 Week | 5-9 th June 2023 |
| Innovations in Applied Research in Science & Technology | KDKCE Nagpur | 1 Week | 11 th -18 th October 2021 |
| NBA Awareness workshop | Association of the Managements of unaided Engineering colleges | 4 Days | 11-14 th May 2021 |
| Alternate Fuels | AICTE Training and Learning (ATAL) Academy | 1 Week | 7 th September to 11 th September 2020 |
| Smart Technologies for Drug Design, Energy and Environment | Kumaraguru College of Technology, Coimbatore | 1 Week | 1st to 7th September 2020 |
| “Solar Energy Conversion and Storage | Poornima Institute of Engineering and Technology, Jaipur | 1 Week | 31 st August to 4 th September 2020 |

| | | | |
|--|--|--------|---|
| NBA Accreditation and Teaching-Learning in Engineering | NPTEL online course | 8 Week | Jan-April2020 |
| Innovative Teaching Pedagogy in the Technical Institutions | IQAC, KBT COE, Nashik | 1 Week | 1 st June to 5 th June 2020 |
| ICT Tools for Teaching Learning | SRTM University, Nanded. | 1 Week | 11 th to 16 th May 2020 |
| Use of ICT in Teaching Learning | Dr. Ghali College, Gadhinglaj. | 1 Week | 1 st June to 6 th June 2020 |
| Effective Use of ICT Tools for Efficient Online Teaching | PICT, Pune | 2 Days | 29 th to 30 th May 2020 |
| Outcome Based Education and NBA Accreditation | MIT Aurangabad | 1 Day | 27 th May 2020 |
| Art of Research Paper Writing and IPR | PCCOE, Pune | 3 Days | 25 th to 27 th May 2020 |
| ICT Tools for Online Teaching | Sanjivani COE, Kopergaon | 1 Day | 26 th May 2020 |
| Spoken Tutorial Technology | SKNCOE in Association with IIT, Bombay | 1 Week | 18 th to 22 nd May 2020 |
| Project Proposals for Funding Agencies, Preparation and Submission of Protocol | Patrician College Research Committee | 2 Days | 16 th to 17 th May 2020 |

FACULTY DEVELOPMENT PROGRAMMES ORGANIZED

| Name of the FDP / Workshop | Organization | Duration | Month-Year | Capacity |
|----------------------------|--------------|----------|------------|----------|
| | | | | |

INVITED LECTURES IN CONFERENCE/SEMINAR

| Title of Lecture/ Academic Session | Title of Conference/ Seminar etc. | Organized By |
|------------------------------------|-----------------------------------|--------------|
| | | |

| | | |
|----------------|--|--|
| 2024-25 | Innovations in Biotechnology Research for Sustainable Bioresources and Bioeconomy: Challenges and Practices” (IB3-2025)! | School of Sciences, Sanjivani University, and Sanjivani Arts, Commerce & Science College, Kopargaon (Shirdi), Maharashtra (India), in collaboration with the Microbiologist Society, India (MBSI), Ural Federal University, Russia, and Vijnana Bharati (VIBHA). |
| 2024-25 | Invited Talk on Brain Boost Bonanza | EkalavyaAdiwasiAnud anitAshramshala Takali Tal, KopargaonDist, A Nagar |
| 2024-25 | Invited Talk on Mitigating Pollution for Sustainable Development | Sanjivani Arts, Commerce and Science College Kopargaon |
| 2023-24 | Invited Talk on Research Methodology | P.V.P College Pravaranagar |

| OTHER Professional URLs | |
|--------------------------------|---|
| Personal Website | -- |
| Linked In Profile | https://in.linkedin.com/in/dr-sonali-chine-b666361b7 |
| GitHub URL | -- |
| YouTube Channel | https://www.youtube.com/channel/UCjeNOBqQf_RBdeOXr2S-zcQ |
| Other | -- |

Any Other: