Name of the Faculty: Dr. Sandip Balkrishna Nahire

Designation: Assistant Professor

Name of the department: Chemistry

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Qualification: M.Sc. NET SET Ph.D.

Administrative Experience: Paper setter and Moderator of M.Sc. Physical Chemistry

Teaching Experience: 11 yrs

Awards/ Recognitions: PG teacher and Ph.D. Guide recognition

Research Guidance for M. Phil/Ph.D./ Project: - 4 M.Sc. projects

Research paper published:

Sr. No.	Name of the Author	Title of the paper	Name of the Journal	ISSN No.	Vol.,Issue, Year	National/ International/ State/ Other
1	Ranjith Vellacheria, Sreekuttan M. Unnia, **Sandip Nahire**, Ulhas K. Kharul	Pt–MoOx-carbon nanotube redox couple based electrocatalyst as a potential partner with polybenzimidazole membrane for high temperature Polymer Electrolyte Membrane Fuel Cell applications	Electrochimica Acta	0013-4686	55, 8 (2010)	International
2	Ramesh R. Pawar, **Sandip B. Nahire**, and Mehdi Hasan	Solubility and Density of Potassium Iodide in Binary Ethanol-Water Solvent Mixture at (298.15, 303.15, 308.15, and 313.15) K	J. Chem. Eng. Data	0021-9568	54, 2009	International
3	Rupesh S. Bhavsar, **Sandip B. Nahire,** Mrunali S.	Polybenzimidazoles Based on 3,30-Diaminobenzidine and Aliphatic Dicarboxylic	Journal of Applied Polymer Science	1097-4628	120, 2011	International

	Kale, Shubhangi G. Patil, Pradnya P. Aher, Ritesh A. Bhavsar, Ulhas K. Kharul	Acids: Synthesis and Evaluation of Physicochemical Properties Toward Their Applicability as Proton Exchange and Gas Separation Membrane Material				
4	**Sandip B. Nahire,** Ramesh R.Pawar	Measurements of Solubility of potassium iodide in mixed water + methanol binary mixtures and study of solution thermodynamics and solvation parameters at 298.15.303.15, 308.15, and 313.15 K	Scholar World	2319-5789	2015	International
5	Satish A. Ahire, **Sandip B. Nahire** R R Pawar	Measurement on solubility and density of benzoic acid in water, ethanol and their solvent mixtures at various temperatures and its thermodynamics parameter	Researchers world	2229-4686	7, 4(4), 2016	International
6	Kiran S. Bachhav, **Sandip B. Nahire** & Ramesh R.Pawar	Solution Thermodynamics of Potassium Bromide in Water, Ethanol and their Binary Mixtures at Various Temperatures	Researchers world	2229-4686	7, 4(4), 2016	International
7	**R**amesh R. Pawar, Sachin S. Kale, Atul S. Kale and **Sandip B. Nahire**	Density and excess molar volumes of water-methanol binary mixtures at (293.15 to 313.15) k	International journal of current advanced research	2319-6475	6,(10), 2017	International

8	**S. B. Nahire, R.** R. Pawar	Solubility, Solution Thermodynamics And Dft Study Of Glutaric Acid In Water, Methanol And Their Binary Mixtures At Various Temperatures	International Journal of Research and Analytical Reviews	2348-1269	6 (2) 2019	International
9	**R.** R. Pawar, **S. B. Nahire**	Solubility correlation and thermodynamic analysis of glutaric acid in binary solvents	Journal of Advanced Scientific Research	0976-9595	10 (3) 2019	International
10	R. R. Pawar **S. B. Nahire**	Measurement, Correlation and DFT study for Solubility of Glutaric acid in Water+Ethanol binary solvents at T = (293.15 to 313.15)K	Asian J. Research Chem	0974-4169	13(3) 2020	International
11	R. R. Pawar **S. B. Nahire**	Investigation, Correlation and DFT study for solubility of Malonic acid in water + methanol and water + ethanol binary solvents at T = 293.15 to 313.15 K	Research J. Pharm. and Tech.	0974-3618	14(3) 2021	International
12	**Sandip B. Nahire**	Solubility, Molecular Interactions Through Dft Study Of Malonic Acid In Water, 1-Propanol And Their Binary Mixtures At T= 293.15- 313.15K	Journal of Advanced Scientific Research	0976-9595	12(2) 2021	International

13	**S.B.Nahire** and R.K.Pawar	Pimelic Acid Solubility in Pure and Mixed Solvent (Water + Methanol): Experimental Data, Correlation and Thermodynamic Analysis	Asian Journal of Organic & Medicinal Chemistry	2456-8937	7(2) 2022	International
14	**Sandip B. Nahire**	Solubility Study and Thermodynamic Analysis of Pimelic acid in water	Research J. Science and Tech.	2349-2988	14 (4) 2022	International

Book/ Chapter in Book/ Editor:

Sr. No.	Name of the Author	Title of the Book	Name of the Chapter	ISBN No.	Year	National/ International/ State/ Other	Name of the Publisher
1	Dr.Pankaj Pawar, Dr Narendra Dokhe, Dr Sandip Pathade, **Dr.Sandip Balkrishna Nahire**	Research trends in multidisciplinary research	Research Methodology	978-93-5570-307-1	2022	National	AkiNik Publication

Research paper Presented:

Sr. No.	Title of the paper	Title of Conference/ Seminar	Duration	Place	National/ International/ State/ Other
1	Measurement and correlation for solubility of glutaric acid in water-ethanol binary solvent	National conference on multidisciplinary research and innovation in science and technology-2020	5-6 Jan 2020	SPDM Arts science com college, Shirpur	National
2	Pimelic acid solubility in pure and mixed solvent (water + methanol): Experimental data, correlation	International e-conference on Current Research in Chemistry and Nanosciences (CRCNS-2022)	10-20 Jan 2022	LVH Arts science com college, Panchavati, Nashik	International

	and thermodynamic analysis				
3	Molecular interaction and solubility study of Pimelic acid in water, ethanol and their binary mixture	International Conference on ‘Advanced Materials for Physical, chemical and biological applications	3-4 March 2023	Karmaveer Bhaurao Patil College Vashi, Navi Mumbai	International

Conference / Seminar/ Workshop attended:

Sr. No.	Title of Conference/ Seminar/ Workshop	Name of organization	Seminar/Conference/ Workshop/ Symposium	Duration	Place	National/ International/ State/ Other
1	Innovations in chemistry-Laboratory to society	School of chemical science, NMU Jalgaon	Conference	11/03/2023	Jalgaon	National
2	Resent Trends in spectroscopy	Arts Science commerce college Surgana	Seminar	16/01/2015	Surgana	State

E-content Developed and YouTube link: https://youtube.com/@dr.sandipbnahire6522

Social Media Links:

Google Scholar ID: https://scholar.google.com/citations?user=CF7ttFoAAAAJ&hl=en

Research gate ID: https://www.researchgate.net/profile/Sandip-Nahire

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