

Bio-Data

Name: Dr. Shankar Hanmantrao Saknure

Qualification M.Sc. B.Ed., SET, Ph.D.

Designation: Head & Asst. Professor (Dept. of Physics and Electronics)

Address: Late Bhimrao Chavhan Art's and Science College, Chavhanwadi,
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Date of Birth: 15th April 1992

Marital Status: Unmarried

Educational Qualification:

Examination Year	University	Subject	Division
B.Sc. 2014	Swami Ramanand Teerth Marathwada University, Nanded.	Physics, Chemistry Computer Sci.	First
M.Sc. 2018	Swami Ramanand Teerth Marathwada University, Nanded.	Physics (Electronics)	First
B.Ed. 2019	Swami Ramanand Teerth Marathwada University, Nanded.	Science & Math's	Second
SET 2023	Savitri Bai Fule, Pune University Pune.	Physics	Pass
Ph.D. 2024	Swami Ramanand Teerth Marathwada University, Nanded.	Physics	

(a) Research Publications: Research papers Published in National/International Journals.

- 1) **S. H. Saknure**, N P Garad, A G Gubre, Y S Joshi & A C Kumbharkhane. Dielectric Relaxation Studies of Cellulose-Water Mixtures Using Time and Frequency Domain Technique. Indian Journal of Pure and Applied Physics (IJPAP) <https://doi.org/10.56042/ijpap.v61i1.68526>
- 2) **Shankar H. Saknure**, Nitin P. Garad, Ashwini G. Gubre, Yogesh S. Joshi & Ashok C. Kumbharkhane. Molecular interaction studies of methyl cellulose-water solutions using dielectric spectroscopy. Physics and chemistry of liquids <https://doi.org/10.1080/00319104.2023.2188212>

- 3) **Shankar H. Saknure** & Ashok C Kumbharkhane Dielectric and Hydration Study of Aqueous Cellulose Derivative Solutions. Journal of Macromolecular Science, Part B <https://doi.org/10.1080/00222348.2024.2304992>
- 4) Nitin P Garad, **Shankar H Saknure**, Ashwini G Gubre & Ashok C. Kumbharkhane. Study of Dielectric Relaxation and Hydrogen Bonding Interaction of 1, 4-Butanediol-1, 4-Dioxane Mixture using TDR Technique. Indian Journal of Pure and Applied Physica (IJPAP). <https://doi.org/10.56042/ijpap.v61i3.70017>
- 5) **Shankar H. Saknure**, Ashok C. Kumbharkhane. Dielectric relaxation study of aqueous cellulose using dielectric spectroscopy. World Journal of Pharmaceutical Research (WJPR) <https://10.20959/wjpr20238-28146>
- 6) **Shankar H. Saknure**, Aniket D. Bokhare, Pramod R. Konmare, Shilpa S. Patange, Pallavi D. Hambarde & Ashok C. Kumbharkhane. Dielectric relaxation and hydration study of aqueous cellulose derivative using time domain reflectometry (TDR) Spectroscopy Letters An International Journal for Rapid Communication <https://doi.org/10.1080/00387010.2025.2504537>
- 7) Nitin P. Garad, **Shankar H. Saknure**, Daiwashala G. Dongre, Ashok C. Kumbharkhane. Dielectric behavior of 1, 3-butanediol - 1, 4-dioxane mixtures. Applied Innovative Research (AIR).
- 8) D.G. Dongre, A.R. Deshmukh, N.P. Garad, A.G. Gubre, **S.H. Saknure**, and A.C. Kumbharkhane. Dielectric and hydrogen bonding studies of butyronitrile with 1,4-dioxane using a time-domain reflectometry. Canadian Journal of Physics. <https://doi.org/10.1139/cjp-2023-0301>
- 9) Nitin P. Garad, **Shankar H. Saknure**, Daiwashala G. Dongre, and Ashok C. Kumbharkhane. High-frequency dielectric study on the hydrogen bonding interaction on 1,5-pentanediol + 1,4-dioxane binary mixtures. Canadian Journal of Chemistry. <https://doi.org/10.1139/cjc-2023-0190>
- 10) D.G. Dongre, A.G. Gubre, N.P. Garad, **S.H. Saknure** and A.C. Kumbharkhane. Dielectric study of acrylonitrile-1,4-dioxane mixtures using a Time Domain Reflectometry. Physics and chemistry of liquids. <https://doi.org/10.1080/00319104.2024.2349029>

- 11) P. R. Konmare, **S. H. Saknure**, A.C. Kumbharkhane. Study of Dielectric Relaxation in Polyethylene Glycol 4000 + water Mixtures using TDR. International Journal of Scientific Research in Science and Technology.

Conferences National/International

- 1) Actively participated and Presented a Poster at the National Conference on Current Trends in Chemical Sciences which was held on June 28-29, 2022 at SGBAU, Amravati.
- 2) Synergistic Training Program Utilizing the Scientific and Technological Infrastructure(STUTI) July-2022
- 3) Actively participated in the Summer School on Quantum Information and Quantum Technology 2022, hosted by IISER Kolkata. From 1st June to 5th of July,2022 (ICARE) which was held on 11th January 2023 to 13th January 2023.
- 4) Actively participated International Conference on Advances in Renewable Energy” (ICARE) which was held from 11-13th January 2023. Has contributed as an Organizing Committee Member Organized by the School of Physical Sciences S.R.T.M.U.N in Association with the Society of Materials Chemistry, BARC Mumbai.
- 5) Actively participated International Conference on Materials Sciences and Nanotechnology for Sustainable Applications (ICMSNSA-2023) organized by the University Department of Basic and Applied Sciences, MGM University, Chhatrapati Sambhajinagar.
- 6) Actively participated in One Day National Conference on Emerging Trends in Basic Sciences (NCETBS-2023) held on 20 March 2023 and presented a research paper entitled Dielectric relaxation study of aqueous cellulose using dielectric spectroscopy organized by Faculty of Science Madhavrao Patil Arts, Commerce and Science College, Palam Dist. Parbhani.
- 7) Actively participated in One Day National e-Conference on Recent Trends in Material Sciences (ICRTMS-2024) held on 27th Feb 2024 and contributed a research paper entitled Study of Dielectric Relaxation in Polyethylene Glycol 4000+water Mixtures using TDR Organized by the Department of Physics and Electronics, Shri Shivaji College Parbhani, Maharashtra, India.

DECLARATION:

I solemnly declare that the above-furnished information is true and correct to the best of my knowledge and belief



Date: / /2025

Yours Faithfully,

Place: Nanded.

(Dr. Saknure Shankar Hanmantrao)