

Dr. SOPAN RAOSAHEB SHINDE, Ph.D.





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 <https://www.researchgate.net/profile/Sopan-Shinde-2>
 <https://scholar.google.com/citations?hl=en&authuser=1&user=y0fRU04AAAAJ>



Education

2026 – Continue	 Khalifa University, Abu Dhabi, United arab Emirates  International POSTDOCTORAL Researcher (<i>Mathematical Modeling in communicable and non-communicable Diseases</i>) ¹
March 2026 – Continue	 Lincoln University of Malaysia  International POSTDOCTORAL Researcher (<i>Mathematical Modeling with Numerical Analysis: Optimal or Fixed-point Solutions for Integro-Differential Operators and their application</i>) ²
January 2019 – May 2024	 Sandip University and Research Center  Doctor of Philosophy (<i>Fixed point theory, Metric and Topological spaces Application to Differential and Integral Equation's</i>)
June 2015 – June 2017	 Savatribai Phule Pune State University  Master of Science (Pure Mathematics)
January 2014 – June 2015	 Savatribai Phule Pune State University  Bachelor of Education (Mathematics+Science)
June 2010 – December 2013	 Savatribai Phule Pune State University  Bachelor of Science (Pure Mathematics)
June 2008 – June 2010	 Jijamata College of Science (Pune Division)  Higher Secondary Schooling (Science): (<i>Physics, Chemistry, Mathematics and Biology</i>)
June 2008	 Shriram Eng. School (Pune Division)  Secondary Schooling ³

Doctor of Philosophy

Thesis Title	 Study of Complex valued Topological space and Soft Topological space in the context with Fixed point theory.
Thesis Publication DOI	 http://hdl.handle.net/10603/571148
2019 – 2024	 Ph.D. : Sandip University and Research center
Permenent resistration number	 191106154002

¹Khalifa University, Under 150 QS Ranking

²Lincoln University of Malaysia, Under 500 QS Ranking

³Note: All the aforementioned qualifications and programs were completed through full-time classroom programs, with no involvement in distance education or open university programs.

Doctor of Philosophy (continued)

Course work Grade  A [7.0]

Classroom Teaching Experience  9+ Year's


Area of Interest

- Linear Algebra
- Partial Differential Equation
- Real Analysis, Number Theory
- Integral Equation, Calculus of Variation
- Complex Analysis
- Ordinary Differential Equation
- Group Theory, Ring Theory
- Metric Space

Reviewer to the top indexed International Research journal


Journal Name- Mathematics Letters, New York, USA:

Publisher Name- Science Publishing Group, New York, USA.

 <http://www.mathletters.org/reviewers> *<http://dx.doi.org/10.13140/RG.2.2.19173.41442>

Journal Name- Electronic Journal of Mathematical Analysis and Applications (EJMAA), Alexandria University, Faculty of Science, Egypt:

Publisher Name- SCiNiTO, USA.

 <https://ejmaa.journals.ekb.eg/>

Research article publication's (WEB of Science + Scopus) International journal

1. S. R. Shinde, "Complex valued approach to the system of non-linear second order Boundary value problem and multivalued mapping via fixed point method", **Chebyshevskii sbornik Russian Scopus Indexed Journal**, 2023, volume 24, no. 3, pp. 212–227, DOI - 10.22405/2226-8383-2023-24-3-212-227
2. S. R. Shinde, "Convergence: Partially ordered soft Topological space", **JIM Scopus indexed, Clarivate Web of science**, 27:2, 2024, 191–200, DOI-<https://doi.org/10.47974/JIM-1809>
3. S. R. Shinde, "Application of Fixed point theorem in the solution of Integro-Differential equation: A complex valued approach" **vijnana parishad, jnanabha, UGC care listed Volume 53 (No2), 2024**, <https://doi.org/10.58250/jnanabha.2023.53235>, https://www.vijnanaparishadofindia.org/jnanabha/volume-53-no-2-2023/53_2_p35
4. S. R. Shinde, "Existence and uniqueness of common fixed point solution for integral equation via complex valued metric space using class function", **Electronic Journal of Mathematical Anal. (EJMMA), Alexandria University, Egypt**, 12(1), pp. 1-13. doi: 10.21608/ejmaa.2024.226939.1054
5. S. R. Shinde, "Convergence: Rough set with Variational inequalities" **Tuijin Jishu/Journal of Propulsion Technology Scopus Indexed Journal**, volume 43, no. 3, 2022, pp. 61–74, DOI: <https://doi.org/10.52783/tjjpt.v43.i3.2863>
6. S. R. Shinde, "Existence and uniqueness of ϖ -Contraction mapping using Continuity of Soft-T norm under soft Fuzzy Metric spaces", **Futuristic Trends in Contemporary Mathematics and Applications**, Volume 3 (4), IIP Series, Volume 3, May 2024, Page no.183-198, DOI: <https://www.doi.org/10.58532/V3BBCM4P2CH8>
7. S. R. Shinde, "Impact of Mat. Air Pollution Exposure on Children's Lung Health", **Toxics Scopus indexed Journal Q4, Clarivate Web of science, MDPI publication**, 2018, 6, 68. <https://doi.org/10.3390/toxics6040068>
8. S. R. Shinde, "H-Type T-Norm : Existence of a soft Fuzzy map with application to Lebesgue Integral in the context soft fuzzy metric space", **Scopus indexed Journal, Clarivate Web of science, MDPI publication (Under Acceptance)**

9. S. R. Shinde, "Ciric Type Contraction Theorem with extension of Perov's Contraction", **Scopus indexed Journal Q1** (Under Acceptance)
10. S. R. Shinde, "Some Fixed point Results and Soft Mappings in the context of Soft S-Metric space", **Scopus indexed Journal** (Under Revision)
11. S. R. Shinde, "Chatterjea principle and Fredholm integral in the context of Complex valued extended Topological space", **Scopus indexed Journal, Clarivate Web of science**(Under Communication)
12. S. R. Shinde, "Fixed point results with partially ordered on Soft metric space", 2022 IJRAR UGC care listed, August 2022, Volume 9, Issue 3, E-ISSN 2348-1269, P- ISSN 2349-5138.
13. S. R. Shinde, "Common fixed point solution for Urysohn type integral equation in complex valued metric space", **vijnana parishad, jnanabha**, IC-RA-CMAS-2022, 88-90.

Research article in International conference

1. S. R. Shinde, "Generalized fixed point theorem of Ciric and caristi type with partial order". International Conference of vijnana parishad, jnanabha, IC-RACMAS-2022.
2. S. R. Shinde, "Common fixed point solution for Urysohn type integral equation in complex valued metric space". International Conference of vijnana parishad, jnanabha, IC-RA-CMAS-2022.
3. S. R. Shinde, "Existence and uniqueness of common fixed point solution for integral equation via cvms using Class function". International Conference of vijnana parishad, jnanabha, IC-RACMAS-2021
4. S. R. Shinde, "Convergence: Soft topological Space". International Conference on Mathematics Modelling And Statistics (ICMMS-2023), Orginsed by Poornima Institute of research, Paper ID-50.
5. S. R. Shinde, "Ciric type contraction theorem with extension". International Ist Conference Research trends in pure maths-2024, (Scopus indexed conference April-2024), Paper ID-XX-21.
6. S. R. Shinde, "study Of double diffuciuue connection in a Dacay composite nanofluid". 7th International Conference on Emerging Trends on Sustainable Approaches in Science & Technology (4-5, January 2025), (Scopus indexed)
7. S. R. Shinde, "Riemann integral with q-integral advances". Icamsf35 (Nov-2025), (Scopus indexed)
8. S. R. Shinde, "Convex Function: Advances in Quantum integral inequalities ". Icamsf27 (2025), (Scopus indexed)
9. S. R. Shinde, "A Mathematical Model Based on Time Trefftz Collocation Method Using Modified Bessel Functions for the Numerical Solution of Planar Wave Equations with Mixed Boundary Conditions". International Conference on Mathematical Sciences and Computational Intelligence (ICMSCI-2026), University of Delhi (Scopus indexed)
10. S. R. Shinde, "Uniqueness of fixed point into Fractol Fracional Mathematic model for the transmission Dynamics of chickenpox Disease." 8th International Conference on Multidisciplinary Perspectives on Sustainable Development in Science and Technology (ICMP-SDST 2026), (Scopus indexed)

Indian Government Patent publication's

1. Patent ID: 443897-001, "Metric-Topological Analysis... ". Publication Date. **11/04/2025**
2. Patent ID: 469920-001, "Equation solving AI... ". Publication Date. **16/08/2025**

3. Patent ID: 472230-001, "Equation and solution by differential... ". 00/00/2026

Indian Government copyright

1. "Metric-Topological Analysis...". Publication Date. 15/07/2025 of the Copyright Act 1957, Diary Number: 2174/2025-CO/L And Certificate No.: LD-20250167988
2. "Equation solving AI... ". Publication Date. 21/08/2025 of the Copyright Act 1957, Diary Number: 2334/2025-CO/L And Certificate No.: LD-33646/2025-CO

Research article publication's in International E-book

1. S. R. Shinde, "Some Contribution on Soft Topological space". ISBN:978-81-960663-0-7
2. S. R. Shinde, "Some contribution to the split equilibrium, Variational inequality using common fixed point". ISBN:978-81-960663-0-7
3. S. R. Shinde, "Existence and uniqueness of ϖ – contraction with application soft-t norm under SFZMS". IIP Scopus indexed publications.

Online Teaching and Tutoring

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|-----------------------|---|
| Euclid Math's | 📌 YouTube Channel : https://youtu.be/QUVEx-0Up50 |
| Subject Expert | 📌 Chegg, Coursehero & Transtutor. |
| Math's Lecture Series | 📌 YouTube Channel : https://youtu.be/XEex9pNnQG8?si=6dxIHip5uqJ0wkpV |

Technical Skills

- | | |
|--------------|--|
| IT Skills | 📌 \LaTeX -for researcher, Python, Matlab for math-work, MS-Office(MS-CIT), Professional Video Editor, Good in IT Skills. |
| Typing speed | 📌 Up to 70-80 wpm. |