

# Renu Shekhawat

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Stat-Math Unit, Indian Statistical Institute, 8th Mile, Mysore Road, RVCE Post, Bangalore - 560 059  
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## Education

### Indian Statistical Institute, Bangalore Centre

Philosophiae Doctorate in Mathematics

Supervisor : Dr. Soumyashant Nayak

Bangalore, India

Jul 2019-present

### University of Rajasthan

Master of Mathematics

Jaipur, India

Aug 2016 - Aug 2018

### Sophia Girls' College

Bachelor of Mathematics

Ajmer, India

Jul 2013 - Jul 2016

## Research Interests

Functional analysis, Operator algebras

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## Publications

- S. Nayak, R. Shekhawat; *A stronger form of Yamamoto's theorem II : Spectral operators* (2024).  
arXiv:2410.16318
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## Fellowships / Scholarships

- **Junior Reseach Fellowship** (Declined due to acceptance of the Institute fellowship at ISI)
    - University Grants Commission, Government of India. Dec 2018
    - Council of Scientific and Industrial Research, Department of Science and Technology, Government of India. Jun 2017
  - **Inspire Scholarship for Higher Education**  
Department of Science and Technology, Government of India. Jul 2013 - Jul 2018
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## Teaching Assistant / Grader

- Function spaces, B.math(III) - Semester I Aug 2023 - Nov 2023  
Instructor : Soumyashant Nayak
- Complex Analysis, M.Math(I) - Semester II Jan 2022 - May 2022  
Instructor : Ramesh Shreekanthan
- Comlex Analysis, B.Math(III) - Semester I Sep 2021 - Dec 2021  
Instructor : Mathew Joseph

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## Conferences Attended

- **Young Mathematicians in Operator Algebras**  
Indian Statistical Institute, Delhi Centre  
Delhi, India  
Mar 24 – 28, 2025
- **Conference on Operator Algebra and Related Topics (COART)**  
Indian Institute of Technology, Bombay  
Mumbai, India  
Feb 24 – 29, 2025
- **Noncommutative Mathematics and Applications (NCMA)**  
Indian Statistical Institute, Bangalore Centre  
Bangalore, India  
Oct 24 – 26, 2024
- **Young Mathematicians in Operator Algebras**  
Indian Statistical Institute, Delhi Centre  
Delhi, India  
Feb 26 – Mar 02, 2024
- **International Conference on Spectral and Approximation Theory (ICSAT)**  
Cochin University of Science and Technology, Kerala  
Kochi, India  
Nov 27 – 30, 2023
- **Conference on Functional Analysis and Related Topics (CFART)**  
Indian Institute of Technology, Bombay  
Mumbai, India  
Feb 21 – 25, 2023
- **IWM (Indian Women and Mathematics) Annual Conference**  
Indian Institute of Science Education and Research, Pune  
Pune, India  
Dec 27 - 29, 2022
- **Indo-French Centre for Applied Mathematics (IFCAM)**  
Summer School on Mathematical Aspects of Quantum Mechanics  
Indian Institute of Science, Bangalore  
Bangalore, India  
Jun 01 – 12, 2022

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## Talks

- **Contributed Talks :**
  - COART, Indian Institute of Technology, Bombay  
Feb 27, 2025
  - ICSAT, Cochin University of Science and Technology, Kerala  
Nov 27, 2023
- **Seminar Talks :**
  - PDF - RS Annual Symposium, Indian Statistical Institute, Bangalore Centre  
Jan 31, 2025
  - QP - Day at ISI, Indian Statistical Institute, Bangalore Centre  
Jan 15, 2025