

Faculty Profile

Name: Dr. Rahul Rajan

Designation: Assistant Professor

Qualifications: M.Sc, Ph.D

Institution Email Id: rajan.rahul48@yahoo.com

Area of specialisation: Operator Theory

Research Degree

Title of Thesis	University/ Institution	Year	Link to Shodhganga
Korovkin-type Approximation on Some Concrete and Abstract Spaces	Cochin University of Science and Technology	2020	

Research Guideship

Name of Scholar	Research Centre	Part Time/Fulltime	Status

Academic Position (BOS/ academic council / chairperson etc)

Name of Academic Body	Name of Institution	Position	Year

Faculty Profile

Journal Publications

Sl. No	Title of Article	Name of Journal (add web link for e-journals)	Vol. No/Issue No/Year / Page Nos	ISSN/E-ISSN	DOI
1	A Korovkin-type theory for non-self-adjoint Toeplitz operators	Linear Algebra and its Applications	543, 2018, 140-161	0024-3795	https://doi.org/10.1016/j.laa.2017.12.012
2	A short survey on preconditioners and Korovkin-type theorems	Journal of Analysis	29,2021,425-447	2367-2501	https://doi.org/10.1007/s41478-019-00207-y
3	Korovkin-type theorems on $B(H)$ and their applications to function spaces	Monatshefte für Mathematik	197,257-284, 2022	0026-9255	https://doi.org/10.1007/s00605-021-01549-1
4	BANACH SPACES OF GLT SEQUENCES AND FUNCTION SPACES	Electronic Journal of Linear Algebra	38, 295-316, 2022	1081-3810	https://doi.org/10.13001/ela.2022.6693

Books authored

Sl. No	Title of Book	Author/Co-authors	Publisher	ISBN/E-ISBN	Year
1.					

Chapter contributions

Sl. No	Title of the chapter with page numbers	Title of Book	Editor/s	Publisher	ISBN/E-ISBN	Year
1						
2						
3						

Book Edited

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Sl. No	Title of Book	Editor/ Editors	Publisher	ISBN/E-ISBN	Year
1					
2					
3					

Popular articles

Sl. No	Title of Article	Name of magazine / publication / event	Year / Vol. No/Issue No/Page Nos	Additional information
1				
2				

Seminars/Conferences/Symposium

Sl. No	Level State/National/ International	Title of the Seminar/Conference/ Symposium	Date dd/mm/yy	Role Participant/Presenter	Title of the Presentation	Organising Institution	Sponsoring Agency
1	International	International Workshop on Operator Theory and its Applications	July 22-26, 2019	Presenter	Korovkin- type theorems for Toeplitz operators	Instituto Superior Tecnico, Lisbon, Portugal	
2	National	Conference in Functional Analysis	October 17-20, 2019	Presenter	Korovkin- type theorems for Toeplitz operators	IIT Bombay	IIT Bombay

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Functioned as Resource Person/Invited lecture

Sl No.	Title of the Programme	Topic	Organising Institution	Level State/National/International/ University/College/Govt.	Date
1	Bridge Course in Mathematical Analysis and Algebra	Introduction to Real Numbers	Bishop Moore College, Mavelikara	State	29/08/2022 to 03/09/2022
2	National Workshop on Linear Algebra		BCM College Kottayam	National	14/10/2022
3	Research Trends in Functional Analysis	Weyl's Inequalities	St. Thomas College, Kozhenchery	State	16/02/2023
4	Pi Approximation Day Celebration	Introduction to Pi	KKTM Govt. College Pullut, Kodungallur	State	25/07/2023
5	Mathematics Association day inauguration	Some Applications of Linear algebra	Nehru Arts and Science College Kanhangad	College	07/12/2023
6	Mathlets	Some problems in Real Analysis	Panampilly Memorial Govt. College Chalakudy	College	19/03/2024

Workshop/FDP/Training Programmes Attended

Faculty Profile

Sl. No	Title of FDP/Workshop/Training Programme	Organising Institution	Sponsoring Agency	Level Institutional/HRDC/National/Regional/International	Dates	
					From	To
1	Faculty Induction Programme	Ramanujan College Delhi		National	23/04/2023	22/05/2023
2	Faculty Development Programme on ChatGPT and AI tools	Marian College Kuttikanam	Kerala Higher Education Council	National	14/06/2023	21/06/2023

Awards & Achievements

Name of Award/Achievement	Level State/National/International/University/College/Govt.	Name of awarding organisation	Date/Year

Membership in Professional Bodies

Name of professional body	National / International	Type of membership

Consultancy / patents etc

Details of consultancy / patents etc	National / International

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Teaching/Research Experience

1. Guest Lecturer, Department of Mathematics, Cochin University of Science and Technology, July-October 2016.
2. Junior Research Fellow (UGC), Department of Mathematics, Cochin University of Science and Technology, 23/11/2016 to 22/11/2018.
3. Senior Research Fellow (UGC), Department of Mathematics, Cochin University of Science and Technology, 23/11/2018 to 20/08/2020.
4. Research Fellow (KSCSTE, Emeritus Scientist Scheme), Department of Mathematics, Cochin University of Science and Technology, 22/12/2020 to 14/01/2021.
5. Visiting Scientist, Indian Statistical Institute, Bangalore, 15/01/2021 to 31/03/2021.
6. Research Fellow (KSCSTE, Emeritus Scientist Scheme), Department of Mathematics, Cochin University of Science and Technology, 01/04/2021 to 13/07/2021
7. Post Doctoral Fellow, Department of Mathematics, Cochin University of Science and Technology, 14/07/2021 to 31/05/2022.
8. Assistant Professor, Department of Mathematics, St. Aloysius College, Elthururth, Thrissur, 01/06/2022 to 25/09/2023.
9. Assistant Professor, Department of Mathematics, Government College Kasaragod, 26/09/2023-