

Dr. P. MUTHUKUMAR



1. Designation : Associate Professor
2. Centre / Department / School : Department of Mathematics
3. Qualification : M.Sc., B.Ed., M.Phil., Ph.D.
4. Experience (in years) : Teaching: 16 years, Research: 13 years
5. Area of Specialization : 1) Applied Mathematics; 2) Differential Equations
3) Stability and Control Theory
6. Mobile Number : 9865768642
7. E-Mail IDs : p.muthukumar@ruraluniv.ac.in,
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8. Orcid ID : <https://orcid.org/0000-0003-1396-9948>
9. Google Scholar ID : <https://scholar.google.com.sg/citations?user=wDUdVoAAAAAJ>
10. IRINS Link for detailed profile : <https://ruraluniv.irins.org/profile/107266>
Web Page : <https://sites.google.com/site/pmuthukumargri/>

11. Research Guidance:

Degree	Awarded		Guiding
	Total	For the period 2019-2024	
Ph.D.	10	6	03

12. Publications

S.No.	Category	Total	For the period 2019-2024
1.	No. of UGC-CARE Listed Publications	79	31
2.	Books Published	2	01
3.	No. of Chapters in Edited Volume / Proceedings	21	07

Select Publications (2019-2024)

S.No.	Title of the Article	Name of the Journal	I/N	ISBN/ISSN	Vol.	Pg.	Month and Year
1.	Memory sampled-data control design for attitude stabilization of uncertain spacecraft with randomly missing measurements	Advances in Space Research	I	0273-1177	74(3)	1276-1287	Aug. 2024
2.	Trajectory controllability of Hilfer fractional neutral stochastic differential equation with deviated argument and mixed fractional Brownian motion	Optimization	I	0233-1934	72(11)	2865-2891	Oct. 2023
3.	Practical consensus for heterogeneous multi-agent systems with gain fluctuations via resilient sampled-data control	European Journal of Control	I	0947-3580	71	100803	May 2023
4.	Reachable Set Estimation for T-S Fuzzy Markov Jump Systems With Time-Varying Delays via Membership Function Dependent Performance	IEEE Transactions on Fuzzy Systems	I	1063-6706	30	4980-4990	Nov. 2022
5.	Mean-square Exponential Stability of Impulsive Conformable Fractional Stochastic Differential System with Application on Epidemic Model	Chaos, Solitons & Fractals	I	1873-2887	160	112070	Jul. 2022

13. Sponsored Projects:

Major Projects handled so far		Major Projects handled during 2019-2024	
Nos.	Financial Outlay (Rs.in lakhs)	Nos.	Financial Outlay (Rs.in lakhs)
5	₹58.23	2	₹13.82

14. No. of Seminars/Conferences/Workshops Organized (2019-2024) : 1

15. Details of Awards and Honours (from recognized Govt. agencies) (2019-2024) : 3

16. No. of Invited Talks in National / International Conferences (2019-2024) : 8

17. Visits Abroad (2019-2024):0020

Deakin University, Geelong Waurn Ponds Campus, VIC 3220 Australia

18. Additional Responsibilities (2019-2024):

- Public Information Officer, GRI
- Assistant Nodal Officer, CUET, GRI
- IQAC Working Committee Member, GRI
- Member, NAD & NMEICT