

STAFF PROFILE



Name : Dr.U.Karthik Raja
Designation : Assistant Professor of Mathematics
Date of Entry into Service : 16.06.2016
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Mobile (Optional) : +91 9842482405
Education : M.Sc., M.Phil., P.hD.,
Areas of specialization : Neural Networks, Stability Analysis of Dynamical, Systems, Control System, Abstract Differential, Equations, Fractional Differential Equations.

Projects undertaken

Title of the Project	Name of the funding Agency	Duration	Completed/Ongoing	Amount	Remarks

Seminars Organized

Title of the Seminar/Conference/Workshop	Date	Sponsoring Agency	National/State/International	Co-ordinator/Convener
Science Academies' Lecture Workshop on "Mathematical Modeling"	10 & 11 February 2017	INSc, NASi, IASc	National	Dr.U.Karthik Raja

Seminars, Workshop and Conferences Attended

Title of the Seminar/Conference/Workshop	Date	Sponsoring Agency	National/State/International	Organization in which attended
One day compact course on Mathematical Introduction to Fluid Dynamics	April 2 2015	KSR College	National	KSR College Of Arts and Science
Shodhganga and Anti-Plagiarism	March 27	Periyar	National	Periyar

Software	2015	University		University
Three day Workshop for college mathematics teachers Enriching Collegiate Education (ECE 2015)	March 11-13 2015	The Institute of Mathematical Sciences	National	The Institute of Mathematical Sciences
Science Academies National Lecture Workshop on “Applicable Mathematics”	12- 14 February 2015	INSc, NASi, IASc	National	KSR College of Arts and Science
Research in Engineering and technology-Recent Trends	9, 10 November 2010	Coimbatore institute of Engineering and Technology, Coimbatore	National	Coimbatore institute of Engineering and Technology, Coimbatore
Opportunities of Government Funded R&D Projects for Academic Institutions	30, 31 October 2009	Anna University Of Technology, Coimbatore	National	Anna University Of Technology, Coimbatore
One day Workshop on “Mathematical Modeling”	March 31, 2008	UGC-DSA and DST-First Supported Department	National	School of Mathematics, Madurai Kamaraj University
One day Workshop on “Geometry and its Applications”	8 September 2006	School of Mathematics, Madurai Kamaraj University	national	School of Mathematics, Madurai Kamaraj University
National Conference on “Mathematical Sciences and Applications” (NCMSA-2013)	14, 15 March 2013	Department of Mathematics, Karunya University	National	Department of Mathematics, Karunya University
National Conference on “Advances in Differential Equations and Applications” (NCADEA-2012)	29, 30 March 2012	NBHM, DST & CSIR,	National	Department of Mathematics, Periyar University

Books Published:

Title of the Book Published	ISBN No.	Publisher if any	Year of Publishing	Authored/Edited

Research Publications:

Title of the Journal	ISSN No. if any	Volume No. & Page No. if any	Year	International/National/State
New stability criterion of neural networks with leakage delays and impulses: A piecewise delay method, "Cognitive Neurodynamics"	1871-4080	Vol. 10, No. 1	2015	International
Passivity analysis for uncertain discrete-time stochastic BAM neural networks with multiple time varying delays, "Neural Computing and Applications"	0941-0643	Vol.25, Iss:3-4	2014	International
Dynamic analysis of discrete time BAM neural networks with stochastic perturbations and impulses, "International Journal of Machine Learning and Cybernetics"	ISSN 1868-8071	Vol.5, Iss.1 pp.39-50	2014	International
Improved stochastic dissipativity analysis of uncertain discrete-time neural networks with multiple delays and impulses", <i>International "Journal of Machine Learning and Cybernetics"</i>	1868-8071	Vol.6, Iss:2	2013	International
Dissipativity of discrete time BAM stochastic neural networks with Markovian switching and impulses, "Journal of The Franklin Institute"	ISSN 0016-0032	vol.350, iss.10, pp.3217-3247	2013	International
Exponential stability for stochastic delayed recurrent neural networks with mixed time-varying delays and impulses: the continuous-time case", <i>Physica Scripta</i>	doi:10.1088/0031-8949/87/05/055802	vol.87, Article ID 055802, 11 pages	2013	International
Design of a robust controller on stabilization of stochastic neural networks with time varying delays, "Physica Scripta"	doi:10.1088/0031-8949/85/03/035003	vol. 85, Article ID 035003, 10 pages	2012	International

Research Activities

Degree	No. Awarded	No. Submitted	No. Guiding
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M.Phil.,			
Ph.D.,(Part-time)			
Ph.D. (Full-time)			

Details of Invited Lecture / Resource Person

Place	Date	Sponsoring Agency	Topic	Audience type	International/National/State Level

Academic council/Board of Studies Member

Institution	For a period of	Dept.

Honours Achieved

Agency	Recognition IN/National/State	Cash award if any(Amount)	For the service of

Service in Extra Curricular Activities (NSS/NCC/AEEP/YRC/MCCA/Club etc.,)

Whether NSS/NCC/AEEP/YRC	Period

Reviewer/editor of a journal

Title of the Journal	ISSN No. if any	International/ National/State	Impact factor/h-index

Details of Orientation and Refresher attended

Orientation/Refresher	University/College/Institute at which attended	Duration	
		from	to

Any Other Information : Senior Engineering Research Fellow(SERF)Under the Anna University, Chennai (Oct 2009-Aug 2014)