STAFF PROFILE

Name : Mr. K. Saravanakumar

Designation : Assistant Professor of Mathematics

Date of Entry into Service : 16.07.2015

E-mail : saravanakumarkm.sf@maduracollege.edu.in

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Education : M.Sc.

Areas of specialization : Non-linear differential equations and calculus of variations

Projects undertaken

Title of the Project	Nameof 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

Seminars, Workshop and Conferences Attended

Title of the Seminar/Conference/Workshop	Date	Sponsoring Agency	National/ State/ International	Organization in which attended
Recent Advances in Pure and Applied Mathematics	Feb 26, 2015	UGC	National	Arul Anandar College, Karumathur, Madurai
Recent Development in Mathematics and its Applications	Jan 9, 2015	DST	National	The Madura College
Recent Trends in Applicable Mathematics	Sep 18-20, 2014	UGC jointly with Kerala Mathematical Association	National	Bharata Mata College, Thrikkakara, Kochi, Kerala

Mathematical Computation and Modelling	Jan 6, 2014	CSIR	International	The Madura College
Applicable Mathematics and Mathematical Methods	Dec 28, 2013		National	Madurai Sivakasi Nadars Pioneer Meenakshi Women's College
Advance Level Workshop on Differential Equations in Ecology and Epidemiology	Oct 10-14, 2012	DST	National	Indian Institute of Technology, Roorkee

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
Current–potential response and concentration profiles of redox polymer-mediated enzyme catalysis in biofuel cells – Estimation of Michaelis–Menten constants, *Chemical Physics Letters*		621 & 117–123	2015	International
Theoretical analysis of reaction and diffusion processes in a biofuel cell electrode, *Fuel Cells*		15 & 523-536	2015	International
Mathematical analysis of the enzyme-entrapped conducting polymer modified electrode, *Applied Mathematical Modelling*		39 & 7351-7363	2015	International
Analytical expression of transient and steady-state catalytic current of mediated bioelectrocatalysis, *Electrochimica Acta*		147 & 678–687.	2014	International
Mathematical modeling of multienzyme biosensor system, *International Journal of Computational Mathematics*		Volume 2014, Article ID 694037	2014	International
Analytical solution of non-linear boundary value problem for fin efficiency of convective straight fins with temperature dependent thermal conductivity, *ISRN Thermodynamics*		Volume 2013, Article ID 282481	2013	International

Research Activities

Degree	No. Awarded	No. Submitted	No. Guiding
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 : Junior Research Fellow (JRF) under DST Project (No.: SB/SI/PC–50/2012) from August 16, 2013 to May 31, 2015.