

CURRICULUM VITAE

Personal data

DR.R. Selvamani
Associate Professor
Department of Mathematics
Karunya Institute of Technology and Sciences
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Education

Ph.D (Mathematics)-Solid mechanics

Government Arts College, Bharathiar University, Coimbatore, India. 2013

M.Phil (Mathematics)-Fluid dynamics

National College, Bharathidasan University, Trichy, India. 2004

M.Sc (Mathematics)

Raja Serfoji Govt Arts College, Bharathidasan University, Thanjavur, India. 2002

B.Sc (Mathematics)

Sri Pushpam College, Bharathidasan University, Poondi, India. 2000

Research focuses/Title of dissertation

Focuses: Solid Mechanics-Wave propagation in macro and Nano materials, Partial Differential equation.

Title of thesis: Wave propagation in cylindrical panel

Ph.D Guidance

Completed-2, Submitted-3, Ongoing-2

M.Sc/M.Tech Project guided

M.Sc-8, M.Tech-2

Teaching

Since Dec 2020 Associate Professor, Department of Mathematics, Karunya University, Coimbatore-114

Sep 2009 –Nov 2020 Assistant Professor, Department of Mathematics, Karunya University, Coimbatore-114

June 2004-Oct 2009 Lecturer, Department of Mathematics, Karunya University, Coimbatore-114

Journal Publications (Selected), Scopus-50, SCI-12, Cumulative Impact factor-80

- 1..Bending analysis of magneto-electro piezoelectric nanobeams system under hygro-thermal loading. **Advances in Nano Research**. 8(3),203-214,2020. **IF.13.052**
- 2.Exponential Synchronization of Lure's complex dynamical networks with uncertain inner coupling and pinning impulsive control **Applied Mathematics and Computation** 307 ,217-231,2017. **IF.4.091**
- 3.Wave propagation in magneto thermo elastic cylindrical panel, **European Journal of Mechanics-A solids** Volume.39,76-85,2013. **IF.4.220**
- 4.Wave propagation in a generalized thermo elastic circular plate immersed in fluid. **Structural Engineering and Mechanics** Volume.46(6),827-842,2013. **IF.3.524**
- 5.Dispersion analysis of a generalized magneto thermo elastic cylindrical panel, **Journal of Thermal Stresses**. Volume 35(12), 1119-1142.2012 **IF.3.280**
- 6.Haar wavelet method for nonlinear vibration of mass sensor nanotube, **The European Physical Journal Plus**, Volume-136,923,2021, **IF.3.91**

Books published

1. Mechanics of Smart Magneto-electro-elastic Nanostructures ,R.Selvamani,Farzad Ebrahimi, **Elsevier science**, USA,ISBN: 9780128196533.
2. Basic Engineering Mathematics, A. Hepzhiba christinal , R.Selvamani, K.Porselvi, **H.S.I Publication**, Mumbai, ISBN-818822315.
3. Basic Theory of Equation, R. Selvamani, **LAMBERT Academic Publishers**, Germany, ISBN 978-3-65917450-6.

Awards and Honors: _Best Research paper Award 2012, Best Researcher Award 2013, Received KSTG seed money-2018(RS.20,000), Received KSTG seed money-2020(RS.7,000), Chairperson AMTCM-16 Nandha College of Arts and Science Erode, Chairperson ICAMS-2017 VIT, Vellore, in association with SIAM-VIT Chapter.

Resource person:

Paper presentation: International-18, National-8
Key note speaker in conference/FDP: 12
Guest lecture delivered: 13

Membership:

IMS, IAENG, IACSIT, WASET
Editorial board: 6
Reviewer: 10