

# CURRICULUM VITAE

## Personal data

DR.R. Selvamani  
Associate Professor  
Department of Mathematics  
Karunya Institute of Technology and Sciences  
Coimbatore-641114  
Mobile: +91 9842647487  
Email: selvamani@karunya.edu



## 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

## M.Sc/M.Tech Project guided

Completed-2, Submitted-3, Ongoing-2

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 christina, 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