

CURRICULUM VITAE

Personal data

Dr. V. KAVITHA

Assistant Professor

Department of Mathematics

Karunya Institute of Technology and Sciences

Coimbatore-641114

Mobile: +91 9843558046

Email: kavithabagyam@karunya.edu , kavi_velubagyam@yahoo.co.in



Educational Qualification

2nd Ph.D(Mathematics)-Differential equations (2018)

Bharathiyar University, Coimbatore, India.

[h-index details](#)

1. h-index in Google scholar- 12

2. h-index in Scopus - 8

Lectureship Certification in Mathematics (2017)

Tamil Nadu State Eligibility Test, Government of Tamil Nadu.

Ph.D (Mathematics)-Impulsive differential equations (2012)

Karunya University, Coimbatore, India.

[Recourse Person](#)

1. Guest lectures delivered- 7

2. Paper presentation - 1

3. External Examiner for Ph.D viva voce-1

M.Phil (Mathematics)-Differential Equations (2005)

Bharathiyar University(regular), Coimbatore, India.

M.Sc (Mathematics) (2003)

Bharathiyar University, Coimbatore, India.

[Collaborator details](#)

1. Foreign collaborator- 7, Published articles- 13

2. Indian collaborator- 8, Published articles- 43

B.Sc (Mathematics) (2001)

Bharathiyar University, Coimbatore, India.

Research focuses/Title of dissertation

Focuses: Impulsive differential equations, Fractional Differential Equation, Almost automorphic functions, Differential Inclusions and Control theory

Title of thesis: Existence and controllability results for impulsive abstract functional differential systems with delay & Studies on almost automorphic solutions to fractional order integro-differential systems in banach spaces

Ph.D Guidance

Completed-2, Ongoing-1

M.Sc Project guided

M.Sc-1

Professional Experience

Since July 2008 Assistant Professor, Department of Mathematics, Karunya University, Coimbatore-114

June 2007-June 2008 Lecturer, Department of Mathematics, Karunya University, Coimbatore-114

January 2007-April 2007, CMS College of Science and Commerce, Coimbatore, India.

June 2006-October 2006 Lecturer, Kongunadu Arts & Science College, Coimbatore, India

Journal Publications (Selected), Scopus:31, Peer reviewed-12, SCI:14, Cumulative Impact Factor :42.075

1. Controllability of non densely defined impulsive neutral functional differential systems with infinite delay in Banach spaces, ***Nonlinear Analysis: Hybrid Systems (Elsevier)***, 4(3)(2010), 441-450. **IF: 6.163**
2. Existence results for impulsive neutral differential and integrodifferential equations with nonlocal conditions via fractional operators, ***Nonlinear Analysis: Hybrid Systems (Elsevier)***, 4(1)(2010), 32-43. **IF.6.163**
3. On a new class of Atangana-Baleanu fractional Volterra-Fredholm integro-differential inclusions with non-instantaneous impulses, ***Chaos, Solitons and Fractals (Elsevier)***, 2021, 148, 11075, **IF: 5.944**
4. Existence results for Atangana-Baleanu fractional neutral integro-differential systems with infinite delay through sectorial operators, ***Chaos, Solitons and Fractals (Elsevier)***, 2021, 149, 11042. **IF: 5.944.**
5. Existence of measure pseudo almost automorphic functions and applications to impulsive integro-differential equation, ***Chaos***, 31(9), 2021. **I.F: 3.642**
6. On global solutions to fractional functional differential equations with infinite delay in Fréchet spaces, ***Computers and Mathematics with Applications (Elsevier)***, 62(3)(2011), 1228-1237, **IF.3.476**

Books published

1. Fundamentals of Latex, V.Kavitha, M.Mallika Arjunan, **Lambert Publishing, ISBN:978-3-659-46359-4**

Funded Projects

1. Received Karunya Short Term Grant- 2020.
2. Funded project (under review)- SERB.

Awards and Honors

1. Best Teacher Award- KITS 2012
2. Editorial Board Member- 1 Journal
3. Reviewer - 11 Journals
4. M.Sc Mathematics – University 9th rank
5. First prize for Proficiency in Maths - M.Sc Maths, Kongunadu college of Arts & Science-Coimbatore