

Dr. C. Bavithra

Assistant Professor & Head (Dept. of Mathematics)

Jayarani College

Nethimedu, Salem,

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Academic Credentials

- Ph.D. in Mathematics (Full Time)
Sri Sarada College for Women, Periyar University, Salem, 2017
- M.Phil. in Mathematics (Full Time)
Sri Sarada College for Women, Periyar University, 2010
- M.Sc. in Mathematics (Full Time)
Vivekanandha College of Arts and Sciences for Women, Tiruchengode Secured 4th Rank at Periyar University, 2009
- B.Sc. in Mathematics (Full Time)
First Class with Distinction, Vivekanandha College of Arts and Sciences for Women, Tiruchengode, Periyar University, 2007

Professional Experience

Jayarani College, Salem

- Head, Department of Mathematics (September 2021 – Present): 3 Years
- Assistant Professor of Mathematics (September 2020 – September 2021): 1 Year

Sri Sarada College for Women, Salem

- Assistant Professor of Mathematics (October 2018 – April 2020): 2 Years
- Vivekanandha College of Arts and Sciences for Women, Tiruchengode
- Assistant Professor of Mathematics (October 2010 – October 2011): 1 Year

Professional Affiliations

- Life Member, Ramanujan Mathematical Society
 - Reviewer, Annals of Fuzzy Mathematics and Informatics
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Notable Achievements

Books Published

1. Intuitionistic Samarandache Topological Semigroup Structure Spaces. ISBN Number: 978-620-6-15031-2

2. On b theta Monads in Soft topological spaces. ISBN Number: 978-620-6-15031-2 (2022)

Specialized Areas of Research

- Algebraic Topology
 - Neutrosophic Sets
 - Algebra
 - Real Analysis
 - Topological Graph Theory
 - Fluid Dynamics
 - Number Theory
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Research Publications in International Journals

1. C. Bavithra, M.K. Uma, E. Roja, "On Intuitionistic t-Open Sets," *International Journal of Mathematical Sciences and Applications*, Vol.8, 2014.
 2. C. Bavithra et al., "Some Properties of Intuitionistic Volterra Structure Spaces with Reference to t-Open Sets," *Annals of Fuzzy Mathematics and Informatics*, Vol.9, 2015.
 3. C. Bavithra et al., "Feeble Compactness of Intuitionistic Fell Topological Spaces," *Annals of Fuzzy Mathematics and Informatics*, Vol.11, 2016.
 4. ... (additional entries omitted for brevity)
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Conference Contributions

International Conferences

- "Quasi p-Normality on Intuitionistic Topological Spaces," presented at the *International Conference on Mathematical Methods & Computation*, Jamal Mohamed College, Trichy, 2014.

National Conferences

- " α and Ψ Operators on Intuitionistic Ideal Supra Topological Space," presented at *Recent Advances in Mathematical Analysis and Applications*, K.S.R. College, Tiruchengode, 2013.
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Select Paper Presentations

- "*Cryptography*" – State Level Seminar on Modern Trends in Mathematics, Vivekanandha College, 2006.
 - "*Fuzzy Proximity Structures*" – National Seminar on Recent Trends in Mathematics, Vivekanandha College, 2007.
 - "*Fluid Mechanics*" – National Seminar on Mathematics A Reverberation, PSG Krishnamal College, Coimbatore, 2008.
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Specialized Training Programs

1. Advanced Training in Mathematics Schools (AFS-III) – *Differential Geometry and Complex Analysis*, University of Pune, June 4 – 30, 2013.
 2. Winter School on Measure Theory and Functional Analysis – Andhra University, Visakhapatnam, November 25 – December 6, 2013.
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Roles and Responsibilities at JCS

- Admission Committee Coordinator
- Nodal Officer, Pudhumai Penn Scheme
- Service Club Coordinator
- Rotaract Club Coordinator