

Dr. Vidya Patil

Assistant Professor

Educational Qualification M. Sc., M.Phil., B.Ed., Ph.D

Experience Teaching: 18 Years

Area of Interest Special functions, Fractional Calculus, Mathematical Modelling.

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- [International Journal](#) : 03
- [International Conference](#): 02
- Book chapters published: 01

List of Publications

- **List of International Journal Publications:**
- Neetighiya, N Shivakumar, Vidya Patil, Pathway Fractional Integral OPERator and its composition with special functions, Global Journal of Pure and Applied Mathematics, ISSN 0973-1768, 13(10), November 2017, 7291-7299.
- Neetighiya, N Shivakumar, Vidya Patil, Generalized M-Series and multivariable H-function associated with pathway transform, International Journal of Mathematical Archive, ISSN 2229-5046, March 2017, 158-164.
- Neetighiya, N Shivakumar, Vidya Patil, Theorem pertaining to some product of special functions, International journal of Mathematics and Physical Sciences researches, 3 (2), Oct 2015, 33-36.

List of International Conference proceedings

1. Sowmya M., Vidya Patil., Numerical Analysis of RLC Electrical Circuits using Caputo Fractional Differential Operator, ECS Transactions, 107,(1) 14381-14390 (2022) [10.1149/1071.14381ecst@TheElectrochemicalSociety](https://doi.org/10.1149/1071.14381ecst@TheElectrochemicalSociety)
2. N. Ghiya, V. Patil and N. Shivakumar, Joint Natural and Fourier Transform Technique for Unified Fractional Schrodinger Equation in Quantum Mechanics,, ECS Transactions, 107,(1) 10365-10372 (2022), [10.1149/1071.10365ecst@TheElectrochemicalSociety](https://doi.org/10.1149/1071.10365ecst@TheElectrochemicalSociety)

Book Chapters

1. Neeti Ghiya and Vidya Patil, Application of Special Functions to Heat Conduction Problem, Advancements in Science and Technology for Healthcare, Agriculture, and Environmental Sustainability: A Review of the Latest Research and Innovations, Taylor & Francis Group, 2024, 99-106, ISBN 9781032708324.