

BIODATA



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Designation : Assistant Professor
Department : Mathematics
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Academic Qualification : M.Sc., M.Phil.

Experience:

- Teaching
- **Research** : 5 years

Area of Interest/ specialisation : Differential Equations

Area of Research : Partial Differential Equations

Publications in Journals (Numbers)(Title with page No, Journal, ISSN/ISBN No whether peer reviewed no. of co-authors)

1. Narayanan, L., & Soundararajan, G. (2020). Existence and blow-up studies of ap (x)-Laplacian parabolic equation with memory. *Mathematical Methods in the Applied Sciences*, 45(14), 8412-8429. (<https://onlinelibrary.wiley.com/doi/abs/10.1002/mma.7144>)

2. Lakshmipriya, N., & Gnanavel, S. (2021). Quasilinear p (x)-Laplacian parabolic problem: upper bound for blow-up time. In *Journal of Physics: Conference Series* (Vol. 1850, No. 1, p. 012007). IOP Publishing.

(<https://iopscience.iop.org/article/10.1088/1742-6596/1850/1/012007/meta>)

3. Lakshmipriya, N., Gnanavel, S., Balachandran, K., & Ma, Y. K. (2022). Existence and blow-up of weak solutions of a pseudo-parabolic equation with logarithmic nonlinearity. *Boundary Value Problems*, 2022(1), 1-17.

(<https://boundaryvalueproblems.springeropen.com/articles/10.1186/s13661-022-01611-3>)

Paper Presentations(Number) : 5

Seminars Attended :

International : 7

National : 4

Honours and Awards

- UGC- NET 2017 June.
- First rank holder in Master Degree.
- KSCSTE Research Fellowship (2015).
- INSPIRE Research Fellowship(2017).
- Senior Research Fellow -DST INSPIRE.