

Individual Biodata

Name	:	Dr. M. KAMALAKANNAN
Designation	:	Assistant Professor
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Qualification	:	M.Sc., M.Phil., B.Ed., PhD.,
Field of Specialization	:	
Major	:	Mathematics
Specializing field	:	Computational Fluid Dynamics, Numerical Methods, Differential Equations, Statistical Methods, Physical Oceanography
Experience (in years)	:	7 years

Completed Projects: 2 nos.

S. no.	Title of the project	Year	PI & Co-PI	Funds (in Rs.)	Funding Agency
1.	Validation of different mathematical drying models for the dry fish production	2018	Dr.M. Kamalakannan	65,000/-	TNJFU-URP
2.	Design and Development of IOT	2022	Dr.M. Kamalakannan	2,00,000/-	TNJFU-JTRF

Recent Publications:

1. **Kamalakannan. M**, Prabhakar. V, 2016. A fully quadrature method for the nonlinear four-wave interactions. *International Journal of Pure and Applied Mathematics*, vol. 109, No. 5, 67-74. (SCOPUS INDEX).
2. **Kamalakannan. M,** Prabhakar. V, 2016. A numerical method for the nonlinear four wave interactions in finite depth. *International Journal of Pure and Applied Mathematics*, Vol. 109, No. 10, pp. 109-117.
3. **Kamalakannan. M**, Prabhakar. V, 2017. A quadrature method for accurate estimation of nonlinear energy transfer in deep water. *Far East Journal of Applied Mathematics*, Vol. 96, No. 4, pp. 221-231.
4. **Kamalakannan. M**, 2018. The numerical solutions of multiple integrals based on Haar wavelet, Blockpulse function, Chebyshev wavelet and Sinc function, *International Journal of Applied Mathematics & Statistical Sciences (IJAMSS),* vol-7, issue-4. (**NAAS rating: 3.45**)

5. **Kamalakannan. M,**Devadharshini. K, 2019, Controlling the Speed of Conveyor Belt using Python – Raspberry Pi 3B+, Oriental Journal of Computer Science and Technology, 12, 57-64.
6. **Kamalakannan. M,** Kalyani. M, Prabhakar. V, Basantakumar Jena, Venkatesan. R, 2018. Assessment of Nonlinear Quadruplet Interactions for Measured Spectra in Deep Waters on the East Coast of India through Gauss Legendre Quadrature Method. Vol. 1, *Lecture Notes in Civil Engineering* (**Springer Proc)**.(SCOPUS INDEX)
7. Mercy Amrita C Babiyola D Stephen Sampathkumar d **Kamalakannan M**., 2022,Application of IOT based automated smart water quality recording in aquaculture system-An evaluation and analysis, Gradiva, VOLUME 8 ISSUE 12 2022 pg:35-50 Scopus Indexed
8. M Kamalakannan, V Prabhakar, 2023, Analysis of transfer integral and numerical study for the nonlinear four wave interactions in deep waters, AIP Conference Proceedings, 2797(1) (SCOPUS INDEX).

Awards and Honours

- Qualified **GATE -** 2012 (210thRank in India Level).
- Qualified **SET -** 2012(State Eligibility Test, Tamil Nadu).

Google Scholar	:	https://scholar.google.com/citations?user=zswJo6AAAAAJ&hl=en
Research Gate	:	https://www.researchgate.net/profile/Kamalakannan-M-2
Website	:	https://www.tnjfu.ac.in/faculty-read-more?kamalakannan