Dr Varadha Raj M

Curriculum Vitae

Career Objective

To work in a professional environment, take up responsibility, try for the collective growth and development, always keeping the organizations goal as the priority ans accept challenging assignments.

Current Position

2024-Present	Assistant Professor, Department of Mathematics, Sri Chandrasekherendra Saraswathi Viswa Mahavidyalaya, Deemed to be University, Kanchipuram-631561.

Doctoral Information

Doctorate Awarded Date	16th August, 2024.
February 2024	**Research Scholar** at **Vellore Institute of Technology, Vellore** since July 16, 2019.
Department	Department of Mathematics, School of Advanced Sciences
Title	Study of Harmonic and Biharmonic Functions on subsets of Schrödinger and Helmholtz Networks.
Advisor	**Dr Madhu V.**
ORCID ID	0000-0002-1258-8409

Education

2019–2024	**Doctor of Philosophy**, *Vellore Institite of Technology*, Vellore, India Overall Score: 85/100.
2017–2019	**Masters of Science**, *Sacred Heart College(Autonomous)*, Tirupattur, India Overall Score: 69/100.
2014–2017	**Bachelor of Science**, *Sacred Heart College(Autonomous)*, Tirupattur, India Overall Score: 70/100.

Paper Presented in Conferences

2020	The paper entitled "Bimedian and Biharmonic Functions on Infinite Networks", presented in the International Confrence on Advances in Applicable Mathematics held at Bharathiar university.
2022	The paper entitled "q-biharmonic Functions on an Infinite Schrödinger Tree", presented in the Emereging trends in pure and applied Mathematics held at Tezpur university.

Conferences and Workshops

Conferences/Seminars/Symposiums/Workshops attended

2018	VIT Math Fest, held at Vellore Institute of Technology, Vellore - 635 601.
2018	International Confrence On Applicatons Of Fluid Dynamics, held at Vellore Institute of Technology, Vellore - 635 601.
2019	National Confrence On Applied Mathematics And Its Applications, held at Sacred Heart College,Tirupattur-635 601.
2019	International Symposium on "Recent Trends in Mathematical Sciences" held at VIT, Vellore
2020	"One Day National Webinar on Graph Theory", held at Government arts college, Chidambaram.
2020	"Basic of Latex", Organized by Voorhees college, Vellore- 635 501.
2020	"Recent Advance in Mathematics and Covid-19", held at St, Joseph's College for Women, Visakhapatnam.
2020	"Emerging Trends in Graph Theory", held at Sacred Heart College, Tirupattur.
2020	"Recent Trends in Graph Theory", held at Government Arts College, Paramakudi.
2020	"Discrete Mathematics, Graph Theory and Its Applications", held at Universal Engineering college, Thrissur.
2020	"International Webinar on Recent Research Topics in Graph Theory", held at MES MAMPAD COLLAGE, Kerala.
2020	"Innovations in Graph Theory", held at Sree Ayyappa College, Nagercoil.
2020	"Writing an Effective Research Paper- Means and Methods", held at Hindustan College of engineering and technology, Coimbatore.
2022	Teacher's Enrichment Workshop on "Analysis and Geometry" Sponsored by National Center for Mathematics, Hosted by Bishop Heber College, Tiruchirappalli.
2023	A Two-Day Online Hands-On Workshop "*Graph Theory with Python*" organized by the Indian Mathematics Professors Association (IMPA) and Infinity Research and Development Institute.

Research Output

2022	**Varadha Raj Manivannan, Madhu Venkataraman,** Biharmonic Green Function and Bisupermedian on Infinite Networks, Ural Math. J., 8(2), 177–186.

2023	**Varadha Raj Manivannan, Madhu Venkataraman,** Δ-functions on recurrent random walks, Vestnik Udmurtskogo Universiteta. Matematika. Mekhanika. Komp'yuternye Nauki, 33(1), 119–129. **SCI IF. 0.5**
2023	**Varadha Raj Manivannan, Victor Anandam,** "A Perturbed Averaging Operator on Finite Graphs" – Linear Algebra and its Applications, 680, 208-219. **SCI IF. 1.1**
2024	**Varadha Raj Manivannan**, **Madhu Venkataraman,** Helmholtz Operators on Infinite Graphs, Heliyon, 10(1), e24761. **SCI IF. 4.0**

Referee Service

Reviewer for Mathematical Reviews (MR).

Research Grants

Vellore Institute of Technology provide the Teaching cum Research Associate fellowship (VIT/HR/2019/5944 dated 18th September 2019 to 28th August 2023)

Research Leadership

Handling tutorial sections for B.Tech and M.Sc. students at Vellore Institute of Technology, Vellore.

Computer skills

Basics:	Microsoft Windows, MS-Office, LaTeX, Linux, LibreOffice.
Programming:	C, MatLab, R, Mathematica.

Areas of Interests

- Real Analysis
- Harmonic Analysis
- Functional Analysis

- Functional Graph Theory
- Statistics and Probability
- Linear Algebra

Personal Details

DOB	April 16th
Nationality	Indian
Religion	Hindu
Address:	No:263/1B,N.G.O Nagar, Tirupattur, Tirupattur(DT), India - 635 601
Mobile	+91-8695387145, 7904238066
Languages Known	English, Tamil, Telugu, Kannada

References

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2. **Prof. Victor Anandam**
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3. **Dr. B.S.R.V. Prasad**
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    Phone:+91-8220417476.

Declaration

I certify that the information provided in this resume is true and accurate to the best of my knowledge.

Date: Yours Sincerely

Place: (Varadha Raj M)