

RESUME

Name : Dr.M.Veeramuni
Designation : Assistant Professor
Department : Mathematics
Date of Joining : 07.12.2020
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Education Qualification:

Qualification	Name of the Institution	Year
Ph.D (Mathematics)	Madurai Kamaraj University, Madurai	2020
M.Phil (Mathematics)	The Madura College, Madurai	2013
M.Sc (Mathematics)	The Madura College, Madurai	2012
B.Sc (Mathematics)	S.Vellaichamy Nadar College, Madurai	2010

Ph.D Topic: Complex boundary value problems of non- linear differential equations

M.Phil Topic: Mathematical and computational approaches to the non-linear real world problem

Specialization in Teaching : Differential Equation, Algebra

Specialization in Research : Differential Equation

Other Institute Experience:

Institute	Designation	Period	
		From	To
The Madura College, Madurai	Assistant Professor	02.09.2013	06.12.2017

The Gandhigram Rural Institute	Guest Faculty	17.07.2019	24.12.2019
The Gandhigram Rural Institute	Guest Faculty	02.01.2020	31.05.2020

Administrative /Academic Positions (held / currently holding):

June 2024 - till date	UG Association President
June 2023 - till date	Autonomy Coordinator (PG SF - Main Campus)
June 2021 - May 2022	Autonomy Coordinator (UG SF - Satellite Campus)
June 2021 - May 2022	Class Advisor- 2021 Batch (UG SF - Satellite Campus)
Axiomatica'22	Certificate committee
ANALGEOCA'23	convener in Super password
2021 – 2022 AAA	AAA work committee
NAAC	Research Publication committee (Department of Mathematics)
Two Days International Virtual Workshop on Innovative Resources and IPR in Research on 09.10.2021 - 13.10.2021	Technical Committee and certificate committee
22 nd FAI International Conference conference on Mathematical, Computational Intelligence, and Engineering Approaches to Healthcare, Business and Tourism Analytics 2020	Technical Committee

Membership In Professional Bodies:

- **Life Member - All India Council for Technical Skill Development**
- **Reviewer - Biofuels, Bioproducts and Biorefining, Wiley**
- **Reviewer - Journal of Applied Mathematics and Informatics**
- **Reviewer – Applications and applied Mathematics: An International Journal**

Research Activities:

- **Research Paper Published :12(Appendix - I for detail)**

- **Paper Presentation in Conferences: 06(Appendix – I for detail)**
- **h - index :04**
- **i10 - index: 02**
- **Citation: 68**

Seminars/Conferences/Workshops/Courses/Training Programs Attended:

1. UGC sponsored State Level on Advances in mathematics and its Applications, Department of Mathematics, The Madura College, Madurai on 26th September 2014.
2. UGC sponsored two days Competence Building Programme, The Madura College, Madurai on 2nd and 3rd January 2015.
3. National Conference on Recent Advancements in Pure and Applied Mathematics, Department of Mathematics, N.M.S.S Vasan College, Madurai on 5th January 2017.
4. One - day UGC Sponsored Extension Programme Conducted by Department of Mathematics, The Madura College, Madurai held on 9th January 2017 at Government High School, Maniyanji, Madurai.
5. Sponsored IASC, INSA, NASI on Science Academies' Lecture workshop on Mathematical Modelling, Department of Mathematics, The Madura College, Madurai during 10th and 11th February 2017.
6. AICTE Sponsored Two Weeks Faculty Development Programme on Mathematical Sciences Research Challenges in Engineering Applications, Department of Mathematics and ECE, Sethu Institute of Technology, Pulloor, Kariapatti during 20th November - 3rd December 2017.
7. International workshop on Mathematical modelling and Scientific Computing, Department of Mathematics, Gandhigram Rural Institute (Deemed to be university), Gandhigram, Dindigul during 4th - 5th September 2020.
8. Two Days International Virtual Workshop on Innovative Resources and IPR in Research, Department of Mathematics, The American College, Madurai during 08th - 09th October 2021.

9. CPE funded Faculty Development Webinar on “An Art of Writing Research Article” organized by the Department of Mathematics, The Standard Fireworks Rajaratnam College for Women, Sivakasi on 04th February 2022.
10. Faculty Orientation Programme organized by Internal Quality Assurance Cell (IQAC), The American College, Madurai on 09th September 2022.
11. Five Days Online Faculty Development Programme on Emerging Research Orientation in Mathematics and its Applications organized by Department of Mathematics, CMR Institute of Technology, Bengaluru during 09th January 2023 – 13th January 2023.
12. A Two-Day Online Hands -On Workshop to Mastering Mathematical Concepts with Python Programming organized by Indian Mathematics Professors Association (INMPA) and Infinity Research and Development Institute during 17th September 2023 – 18th September 2023.
13. International Conference & Symposium on AI Advancements in Hyperbolic and Parabolic PDEs (ICS-AIPDEs23) organized by Department of Mathematics, University of Calicut, Kerala, India & Department of Mathematical Sciences, UNIST, South Korea during 20th October 2023 – 21th October 2023.
14. A Five days Faculty Development Program on Spectral Theory and its Applications in Graph Theory organized by Department of Mathematics, School of Advanced Sciences, VIT, Vellore during 27th November 2023 – 01th December 2023.
15. International conference on emerging trends in computational mathematics and data science - (ICETCMDS-24) organized by Department of Mathematics, Sri Krishna Arts and Science College (Autonomous), Coimbatore during 10th January 2024 – 11th January 2024.
16. 6-Day Faculty Development Programme on Applications of Mathematics in Science and Technology (AMST - 2025) organized by Department of Mathematics, Vidya Academy of science and technology, Thrissur, kerala, India during 06th January – 13th January, 2025.

Dated:

(Dr.M. Veeramuni)

Appendix – I

Research Publications

International Journals (Listed in Wos / SCI / UGC Care):

1. N. Jeeva, K. M. Dharmalingam, **M.Veeramuni**, Seenith Sivasundaram, Adomian decomposition method for solving the removal of Xylene in Scoria-Compost Biofilter, Mathematics in Science, Engineering, and Aerospace (MESA), 15(4) (2024), 1185-1197. **(Scopus Journal)**
2. K. M. Dharmalingam, **M.Veeramuni**, Hadi Rezazadeh and Cemil Tunç, Variation Iteration Method for Solving Ethanol and Acetaldehyde Concentrations in a Fixed Bed Laboratory Reactor, Applications and Applied Mathematics: An International Journal, 16(1) (2021), 383-396. **(Wos - Impact Factor: 7.835)**
3. K. M. Dharmalingam, K. Valli, **M. Veeramuni**, Analytical solution for the toluene and mixture of toluene and n-propanol in the biofilm using ADM, Chemistry Africa A Journal of the Tunisian Chemical Society. **(Wos - Springer Journal)**
4. K. M. Dharmalingam, K. Valli, **M. Veeramuni**, Ethanol and Acetaldehyde in a fixed bed laboratory reactor by the Adomian decomposition method, Malaya Journal of Matematik, 8(3) (2020), 886-892. **(UGC CARE listed Journal)**
5. K. M. Dharmalingam, K. Valli, **M. Veeramuni**, Approximate analytical solution for non-linear reaction diffusion equations in modeling of a bacterial and fungal biofilter, Advances in Mathematics: Scientific Journal, 9(1) (2020), 59-71. **(Scopus Journal)**
6. K.M. Dharmalingam, **M. Veeramuni** and T. Praveen, Analytical expressions of the substrate and mediator of multi-step enzyme electrodes, Journal of Mathematical Chemistry, 57(2019), 986 - 1000. **(SCI Journal - Springer - Impact Factor: 1.882)**
7. **M. Veeramuni**, K.M. Dharmalingam, and T. Praveen, Analysis Through an Analytical Solution of the Mathematical Model for Solid Catalyzed

Reactive HiGee Stripping, Chemistry Africa A Journal of the Tunisian Chemical Society, 2(2019), 517 - 532. **(Wos - Springer Journal)**

8. K.M. Dharmalingam, **M.Veeramuni**, Akbari-Ganji's Method (AGM) for solving nonlinear reaction diffusion equation in electroactive polymer film, Journal of Electroanalytical chemistry, 844(2019), 1 - 5. **(SCI Journal Elsevier - Impact Factor: 3.235)**
9. **M. Veeramuni** and K.M. Dharmalingam, Analysis through an analytical solution for the SCR reaction network using HPM, International Journal of Computational Engineering Research, 08(2018), 50 - 56. **(UGC CARE listed Journal)**

National Journals:

1. **M.Veeramuni**, T. Praveen, K.Saravanakumar, L.Rajendran, Mathematical modeling of immobilized α -chymotrypsin in acetonitrile medium, Journal of Global Research in Mathematical Archives, 1(2013), 53-71.
2. **M.Veeramuni**, S.Muthukumar, L.Rajendran, Analytical expression of concentration of substrate and oxygen in excess sludge production using Adomian decomposition method, Indian Journal of Applied Research, 4(2014), 389 - 392.
3. **M. Veeramuni**, D.Shanthi, L.Rajendran, Analytical solutions of non-linear initial value problem in Biochemical sciences, International Journal of Mathematical Archive, 5(2014), 150 - 159.

Papers read at conferences:

International Conferences:

1. UGC - SAP (DRS - I) International Conference on International Conference on mathematical modelling and computational methods in science and engineering (ICMMCMSE - 2017), Ramanujan Centre for Higher Mathematics and Department of Mathematics, Alagappa University, Karaikudi during 20th - 22nd February 2017.
2. International conference on mathematical methods, modeling and simulation in chemical science organized by Department of Mathematics, Department of Chemical Engineering, SSN CE Society for the Advancement of Chemical Sciences and Education, Kalpakkam, SSN College of Engineering, Chennai, during 6th - 10th December 2018.
3. 22nd FAI International Conference on Mathematical, Computational Intelligence, and Engineering Approaches to Healthcare, Business and Tourism Analytics 2020 Jointly organized by The American College (Autonomous), Madurai, Tamil Nadu, India & FATER Academy of India, 20, 21 & 22 December 2020.

National Conferences:

1. UGC sponsored National Conference on Applications of Differential Equations, Department of Mathematics, Bharata Mata College, Thrikkakara, Kerala during 18th - 20th September 2014.
2. DST sponsored National Conference on Recent Development in Mathematics and its applications, Department of Mathematics, The Madura College Madurai on 9th January 2015.
3. National Conference on Advances in Mathematics and its applications to science and Engineering (AMASE - 2016), Department of Mathematics, University College of Engineering Pattukkottai, Rajamadam, Thanjavur on 22th January 2016.