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DEAN R & ASSISTANT PROFESSOR

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CONTACT DETAILS

OFFICE ADDRESS: Theivanai Ammal College for Women (Autonomous), Chennai- Trichy Trunk Road, Villupuram, Tamil Nadu-605602 Ph.No: 04146-257374/259674.

RESIDENTIAL ADDRESS: No: 30/61,V.O.C Street, Villupuram,605602

QUALIFICATION

- B.Sc., Mathematics (Queen Mary's College, Chennai, 1979)
- M.Sc., Mathematics (Pachaiyappa's College, Chennai, 1981)
- B.Ed., Mathematics (Annamalai University, Chidambaram, 1984)
- M.Phil., Mathematics (Annamalai University, Chidambaram, 1990)
- Ph.D., Mathematics (Manonmanium Sundaranar University, Tirunelveli, 2016)

TEACHING EXPERIENCE

- Senior Grade Lecturer, Theivanai Ammal College for Women (Autonomous), Villupuram , June 1992- July2009
- Assistant Professor, Arignar Anna Govt. College ,Villupuram, July 2009- May 2017
- Assistant Professor, Theivanai Ammal College for Women (Autonomous), Villupuram, June 2017-till date.

RESEARCH EXPERIENCE

Guided 14 M.Phil Scholars & 8 PG Projects

AREA OF SPECIALIZATION

Fluid Dynamics, Mathematical Modelling

PUBLICATION

- Mathematical Modeling of drug targeting using Nanoparticles, Proceedings of the International Conference on Mathematical Modelling and Applied soft Computing, ISBN No:978-81-923752-1-2,2013.
- A Transport Model for drug targeting using Nanoparticles, Mathematical Sciences Research journal ISSN: 2278-8697; ISBN:978-93-81583-57-9,Vol.1 issue3, 2013.
- Analytical Study of Nano Magnetic Drug Delivery in Comparison with experimental results Mathematical Sciences International Research Journal; ISSN:2278-8697; ISBN:978-93-81583-57-9,Vol.3 issue 1, 2014.
- Quadrupole Magnet Targeting in the Analysis of Hershel Bulkley Fluids in an Impermeable Microvessel”, ISBN No: 978-81-923752-6-7.2014.
- Mathematical Modelling of Drug Targeting using Computational Methods,British Journal of Mathematics and ComputerScience, Science Domain International DOI: 10.9734/BJMCS/2015/176333.,2014.
- A Mathematical Model for the Movement of Magnetic Nanoparticles in the Field of Small Magnets described by Poiseuille Flow, Applied Mathematics, 5(3): 68-72 DOI: 10.5923/j.am.20150503.02.,2015.
- Mathematical Model for Nano magnetic Drug Delivery and Targeting using Computational Methods,World Applied Sciences Journal, 34(8)1083-1089, ISSN1818-4952,OI:10.5829/idosi.wasj.2016.34.8.168,IDOSI Publications,2016 .
- Computational Method for finding Heat Transfer with Viscous Dissipation in Couette-Poiseuille flow under Asymmetric wall heat Fluxes, International Journal of Science, Technology and Development Journal , Vol VIII, Issue X, ISSN NO : 0950-0707, I.F 6.1, 2016.

SYMPOSIUM / SEMINAR / CONFERENCE / WEBINAR/FACULTY DEVELOPMENT PROGRAMME

- Presented a Paper entitled “Matrix Algebra and its Applications” in the **National Symposium** on Mathematical Methods and Applications held in IIT Madras 22nd December, 2001.

- Participated in a **Training Programme** in Human Resource Trainers Programme conducted in Theivanai Ammal College for Women (Autonomous), Villupuram, 18.th & 19th August, 2001.
- Participated in the Refresher Course in the subject Mathematics conducted by **UGC-Academic Staff College**, Pondicherry University and obtained Grade A, Pondicherry, 6th to 26th November 2002.
- Presented a paper titled “Linear Programming Problem” at the **State Level Conference** on “Challenges in Research and Teaching in Mathematics”, held in Department of Mathematics, Stella Maris College, Chennai, January 31 and February 1, 2002.
- Participated in **AICTE sponsored** Short Term Training Programme on Numerical Algebra, IIT ,Chennai, November 29 – December 10, 2004.
- Presented Paper titled “ A Mathematical Model for Memory Retention” in UGC sponsored, **National Seminar** on “Mathematical Modelling on Social and Managerial Problems” conducted by A D M College for Women, Nagapattinam, September 24th & 25th, 2004.
- Participated in a **Workshop** on “Perspectives in Mathematics” , on the Occasion of the Platinum Jubilee of the National Academy of Sciences, India, conducted by the institute of Mathematical Sciences, Chennai, September 30th & October, 1st, 2005
- Attended an **Exchange Program** in the Department of Mathematics, Loyola College, Chennai, 27th November to 01st December, 2006.
- Presented a paper entitled “Criteria for Compactness in some Functional Spaces” in the **National Seminar** on Applications in Analysis, conducted by PG Department of Mathematics, 16th.February, 2007.
- Participated in a **Seminar** on “Being an Effective Teacher” conducted in Theivanai Ammal College for Women Villupuram (Autonomous), 9th December 2008.
- Participated in **UGC National Seminar** on “ National Knowledge Commission’s Report and its Implications on Higher Education” conducted by Kanchi Mamunivar Centre for PG Studies, Kancheepuram, 26th & 27th July 2008.
- Attended a **Workshop** on “Preparing teachers for Autonomy” in Theivanai Ammal College for Women (Autonomous), Villupuram, 7th to 9th August 2008.
- Attended a **Workshop** on “Latex -The Document Preparation System” in Theivanai Ammal College for Women (Autonomous), Villupuram, 29th & 30th December 2008.
- Participated in the **Orientation Programme** under Convergence Scheme, IGNOU at Lady Doak College, Madurai, 4th December, 2008.
- Attended the **Faculty Training Programme** on “Value Education “ in Theivanai Ammal College for Women (Autonomous), Villupuram, 6th December 2008.
- Participated in the **Orientation Course** organized for the Newly Recruited Government College teachers and obtained A grade, 09.07.2009 to 05.08.2009.
- Participated in a **Seminar** on “Autonomy and its Related Aspects” in Theivanai Ammal College for Women (Autonomous), conducted by Rev.Dr.Xavier Alphonse S.J., Director,

Indian Centre for Research and Development of Community Education, Chennai, 6th January, 2009.

- Participated in the **National Conference** on Recent Trends in Fuzzy Mathematics, Organized by the Mathematics Wing, Directorate of Distance Education, Annamalai University, Chidambaram, June 14th & 15th, 2010.
- Participated in **UGC Sponsored** Refresher Course in Mathematics, batch XXVII conducted by Academic Staff College, University of Madras, and obtained Grade A, Chennai -5, 11th November to 01st. December, 2011.
- Presented a Paper entitled “Mathematical Modeling for Drug Targeting using Nano Particles.” in **International Conference** on Mathematical Modeling and Applied Soft Computing held at Coimbatore Institute of Technology, Coimbatore, July 2012.
- Presented a paper entitled “Quadrupole Magnet Targeting in the Analysis of Hershel Bulkley Fluid in an impermeable Microvessel” in **International Conference** on Mathematics and its Applications held at University College of Engineering, Kancheepuram, December, 2014.
- Participated in Absentia and Presented a paper titled “Analytical Study of Nano Magnetic Drug Delivery” in the **International Conference** on Mathematics and Engineering Sciences, Chennai, 2014.
- Participated in one Day **National Level Workshop** on “Effective Document Preparation using Latex for Researchers” at IFET College of Engineering, Villupuram, 27th June 2015.
- Participated in the **State Level Seminar** on “Cryptography and its Applications” Organised by the Department of Mathematics, Theivanai Ammal College for Women (Autonomous), Villupuram, 25th February 2016.

ACADEMIC RESPONSIBILITIES HELD

- College Advisory Committee Member
- Member NAAC Steering Committee
- Member Autonomous Committee
- ISO Audit Member
- College Time Table Committee Co-ordinator
- Additional Chief Examiner -External Examinations
- Chairman Paper Valuation, Thiruvalluvar University
- Question paper setter for other Universities

ANY OTHER ACTIVITIES

- Passed Higher Examination in Veena