

**Name: Dr. A. YUVARANI**

**Designation: Assistant Professor**

**Department: Mathematics**

**Date of Joining: 26.06.2019**

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**Educational Qualification:**

Degree	Subject	College / University & Place	Year Completed
Ph.D	Mathematics	Bharathidasan University, Trichy	2018
M.Phil	Mathematics	School of Mathematics, Madurai Kamaraj University, Madurai	2002
M.Sc	Mathematics	E.M.G.Yadava Women's College, Madurai	2000
B.Sc	Mathematics	Raja Duraisingam Govt Arts College, Sivanganga	1998

**Specialisation in Teaching:** Differential Equations, Operations Research, Discrete Mathematics, Real Analysis

**Specialisation in Research:** Intuitionistic Fuzzy Topology

**Research Interests:** Nano Topology, Intuitionistic Fuzzy Nano Topology, Neutrosophic Topology

**Other Work Experience:**

Designation	Institution / Company	Year - From (month/year) To (month/year)
Assistant Professor	Fatima College, Madurai	July 2018 to June 2019
Assistant Professor	NPR College of Engineering College & Technology, Natham	July 2014 to December 2017
Assistant Professor	CR Engineering College, Madurai	August 2013 to June 2014
Assistant Professor	Raja College of Engineering and Technology, Madurai	January 2007 to August 2013
Lecturer	Vickram Engineering College, Enathi, Sivanganga Dist.	June 2006 to December 2006
Lecturer	Seethaiammal Engineering College, Sivanganga	January 2003 to July 2005

## **Publications:**

### **Articles Published in International Journals:**

- Published a paper titled “Intuitionistic Fuzzy Alpha Generalized Semi-Closed Sets” in Thai Journal of Mathematics.
- Published a paper titled “Intuitionistic Fuzzy  $\alpha$ -Generalized Semi Continuous and Intuitionistic Fuzzy  $\alpha$ -Generalized Semi Irresolute Mappings”, International Journal of Analysis and Applications.
- Published a paper titled “Intuitionistic Fuzzy Contra Alpha Generalized Semi Continuous Mappings”, International Fuzzy Mathematics Institute.
- Published a paper titled “Intuitionistic Fuzzy Alpha Generalized Semi Connectedness”, International Journal of Pure and Applied Mathematics.
- Published a paper title “Contra  $N\alpha$ -I-Continuity over Nano Ideals”, Ratio Mathematica.

### **Articles published in National Journals:**

- Published a paper titled **On Alpha Generalized Semi-Closed mappings in Intuitionistic Fuzzy Topological Space, International Journal of Mathematics and its Applications.**
- Published a paper titled **Intuitionistic Fuzzy Strongly  $\alpha$ -Generalized Semi Closed Sets, The Journal of New Theory.**
- Published a paper titled **Intuitionistic Fuzzy  $\alpha$ -Generalized Semi Homeomorphisms, International Journal of Current Research in Science and Technology.**

### **Conference / Seminar Presentations:**

- Presented a paper titled “ Intuitionistic Fuzzy  $\alpha$ -Generalized Semi closed Sets” in the two days **National Seminar** on March 11<sup>th</sup> and 12<sup>th</sup> 2013 at Ayya Nadar Janaki Ammal College, Sivakasi.
- Presented a paper titled “Weakly pre-m-I-open sets and decomposition of M-continuity” in the **International Conference** on 6<sup>th</sup> January 2014 at The Madura College, Madurai.
- Presented a paper title “Intuitionistic Fuzzy  $\alpha$ -Generalized Semi closed Mapping” in the **National Seminar** on 10<sup>th</sup> and 11<sup>th</sup> April 2014 at Government Arts College, Paramakudi.
- Presented a paper title “A Study on Irresolute and Contra Irresolute Functions in Nano topological spaces” in the **22<sup>nd</sup> FAI International Conference** on 20, 21 and 22 December 2020 .

### **Lectures / Talks given:**

- Delivered Special Lecture on “**Differential Equations and its Applications**”, at Mannar College (Autonomous), Madurai on 14<sup>th</sup> September 2018.
- Delivered Special Lecture on “**Differential Equations in Different Fields**”, at Senthamarai College, Madurai on 6<sup>th</sup> February 2019.
- Delivered Special Lecture on “**Fundamentals of Mathematical Analysis**”, at Sermathai Vasan College for Women, Madurai on 7<sup>th</sup> March 2021.
- Resource Person for “**Hands on Training on Google Classroom**”, at C.S.I Jeyaraj Annapackiam College of Nursing and Allied Sciences Pasumalai, Madurai on 29<sup>th</sup> March 2021.

### **Awards / Fellowships:**

- ❖ **TNSET** qualified in the year 2017
- ❖ NPTEL Certified on “**Mathematical Method for Boundary Value Problems**” by IIT- Kanpur
- ❖ Awarded as Mission10Xian (Learning Approach Practitioners Certificate) by ISTE

### **Participations :**

- Faculty Development Program on “Discrete and Fuzzy Mathematics” at Anna University of Technology on 7<sup>th</sup> and 8<sup>th</sup> April 2011.
- Faculty Development Program on “Mathematical Methods for Electrical Engineers- MMEE’11” at Velammal College of Engineering and Technology on 1<sup>st</sup> October 2011.
- National Seminar on “Mathematics for Advanced Research Techniques-SMART ” at ULTRA College of Engineering and Technology for Women on 8<sup>th</sup> October 2011.
- Workshop on “Quality Improvement Cell” at K.L.N college of Engineering on 1<sup>st</sup> February 2014.
- National Seminar on “Nurturing Academic Integrity: Consistency & Transparency in Academic” at Fatima College on 17<sup>th</sup> September 2018.
- NPTEL-Faculty Development Program for Four weeks on “Mathematical Methods for Boundary Value Problems” organized by IIT-Kanpur from July-August 2019.
- National Level Faculty Development Webinar on “ ICT Tools in Education” organized by RBVRR Women’s College, Narayanaguda, Hyderabad on 5<sup>th</sup> May 2020.
- Online International Faculty Development Program on “ Managing Stress, Teaching and Learning during This Period of Social Distancing” organized by Dhaka International University, Dhaka, Bangladesh and Knowledge Care, Bangalore on 20<sup>th</sup> May 2020.
- Online Workshop on "Mathematical Sciences for CSIR-NET/SET/GATE" organized by Sree Narayana Guru College, Coimbatore from 11<sup>th</sup> May 2020 to 15<sup>th</sup> May 2020.
- National Level Online FDP on R-Language organized by Auxilium College & Spoken Tutorial, IIT –Bombay from 13<sup>th</sup> May to 20<sup>th</sup> May 2020.
- Online Faculty Development Program on "FUZZY SETS AND SYSTEMS", organized by Patrician College of Arts and Science, Chennai on 16<sup>th</sup> May 2020.
- Online workshop on "Data Analysis using SPSS" organized by The department of Mathematics, The American College from 28<sup>th</sup> May to 30<sup>th</sup> May 2020.
- Online International Faculty Development Program on” Avant-Garde Trends in Mathematics” organized by Bannari Amman Institute and Technology, Sathyamangalam from 17<sup>th</sup> June to 23<sup>th</sup> June 2020.
- One day webinar on “Recent Trends in Mathematics” organized by IIIT, Kottayam on 29<sup>th</sup> June 2020.
- Online Faculty Development Program on "Application of Mathematics in Diverse Fields", organized by Anand Institute of Higher Technology, Kazhipattu, Chennai from 29<sup>th</sup> June to 4<sup>th</sup> July 2020.
- Two weeks online Faculty Development Program on “Advanced Concepts for Developing MOOCs” MHRD-Sponsored, organized by Teaching Learning Centre(TLC), Ramanujan College, University of Delhi, from 2<sup>nd</sup> July to 17<sup>th</sup> July 2020.

- National Level Webinar on “ **Methods of Accessing Research, Innovations & Extension in NAAC Accreditation**” organized by NAAC, Criterion III, The American College, Madurai on 28<sup>nd</sup> August 2020.
- Webinar on “**Lead the Life in Style**” organized by Women’s Forum, The American College, Madurai held on 01<sup>st</sup> February 2021.
- National Webinar on “**A Pandemic year for Women: What are we learning**” organized by The American College, Madurai on 30<sup>th</sup> June 2021.
- International Webinar on “Promoting IKIGAI To Arise & Shine” organized by The American College, Madurai on 29<sup>th</sup> July 2021.
- Webinar on “**Intellectual Property Rights-Start up and Innovation**” organized by Department of Mathematics, The Standard Fireworks Rajaratnam College for Women, Sivakasi held on 22<sup>nd</sup> September, 2021.
- Webinar on “**An Art of Writing Research Article**” organized by Department of Mathematics, The Standard Fireworks Rajaratnam College for Women, Sivakasi held on 04<sup>th</sup> February 2022.
- Webinar on “**ICT Initiatives of GOI with Special Reference to MOOCs and SWAYAM**” organized by Department of Mathematics, The Standard Fireworks Rajaratnam College for Women, Sivakasi held on 09<sup>th</sup> February 2022.
- Webinar on “**Stressing over Stress**” organized by Department of Mathematics, The Standard Fireworks Rajaratnam College for Women, Sivakasi held on 10<sup>th</sup> February 2022.

**Other Activities / Academic Credentials:**

- Organizing Secretary of Two Days International Virtual Workshop on “**Innovative Resources and IPR in Research**” held on 8<sup>th</sup> and 9<sup>th</sup> October 2021.