

Name: Dr. A. Anuja

Department: Mathematics

Qualification: M.Sc., M. Phil., Ph.D.

Area of Specialization: Fuzzy Mathematics, Fuzzy Decision Making Theory, Fuzzy Queueing Theory, Fuzzy Graph Theory.

Date of joining in APA: 26.08.2022

Teaching experience (Years): 1 Year and 2 Months

Number of papers published: National Journals: 2 International Journals: 8

Number of papers presented: National Conferences: 4 International Conferences: 5

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Academic Qualification Details:



Examination	Year	School/University	%
Ph.D. (Mathematics)	2019-2021	Bharathiar University, Coimbatore.	COMPLETED
M.Phil. (Mathematics)	2015-2016	Bharathiar University, Coimbatore.	80%
M.Sc (Mathematics)	2013-2015	Nirmala College for Women, Coimbatore.	79.5%
B.sc (Mathematics)	2010-2013	Nirmala College for Women, Coimbatore.	66%

HSC	2010	I.T.O. Hr. Sec. School, Ayakudi.	58.58%
SSLC	2008	I.T.O. Hr. Sec. School, Ayakudi.	84%

Paper Presented and Conferences Participated:

- National conference on Computational Biology held on 27th & 28th June-2016 held at DRDO-BU CLS, Bharathiar University, Coimbatore.
- A Non Linear Programming Approach to solve FM/FM(a,b)/1 Queueing System in fuzzy Environment , in the International Conference on Mathematical Computer Engineering (ICMCE-2015) organized by the School of Advance Sciences, VIT Chennai during 14-15 December 2015.
- Mathematical Model and Performance Analysis of Queueing System for FM/FM(a,b)/1 in the 1st Andhra Pradesh Science Congress(APAS) organized by Sri Venkateswara University- Tirupathi during 27-29 January 2016.
- Analysis of Fuzzy Queueing System for FM/FM(a,b)/1,in the UGC Sponsored National Conference on Graph theory, Fuzzy Graph Theory and their Applications organized by PG & Research Department of Mathematics, Jamal Mohamed College, Thiruchirappalli during 10-11 February 2016.
- Participated in the 2nd National Conference on Recent Advances in Mathematics – NCRAM'19, held on 12-13 July 2019, organized by Department of Mathematics, St.Peter's Institute of Higher Education and Research, Chennai-600054, Tamil Nadu, India.
- Participated in the Differential Equations-Theory, Methods and Applications, held on 18-30 November 2019, organized by Department of Mathematics, Bharathiar University, Coimbatore-641046, Tamil Nadu, India.
- Multi Criteria Analysis of Air Quality Improving in Tamilnadu using Fuzzy MULTIMOORA Method, in the UGC Sponsored International Conference on Current Scenario in Pure and Applied Mathematics (ICCSPAM-2020) organized by Kongunadu Arts and Science College – Coimbatore during 30-31 January 2020.
- A Distinctive Analyzation of Intuitionistic Fuzzy Queueing System using Erlang Service Model, in the UGC SAP Sponsored International Conference

on Advances in Applicable Mathematics (ICAAM – 2020) organized by Bharathiar University, Coimbatore during 21-22 February 2020.

- Analyzation of Fuzzy Queueing Performance Measures by the L-R method with Erlang Service Model, in the UGC SAP Sponsored International Conference on Advances in Applicable Mathematics (ICAAM – 2020) organized by Bharathiar University, Coimbatore during 21-22 February 2020.
- Participated in the International Webinar on Mathematical Biology, held on 7-11 September 2020, organized by Department of Mathematics, Bharathiar University, Coimbatore-641046, Tamil Nadu, India.
- Participated in the Two-day online workshop on Fundamentals of MATLAB, held on 10-11 December 2020, organized by the Department of Mathematics, Sri Shakthi Institute of Engineering and Technology, Coimbatore, Tamil Nadu, India.
- Fuzzy ELECTRE III method for MAGDM under interval-valued q-rung orthopair fuzzy set: Municipal solid waste management in the 7th International gap Mathematics-Engineering-Science and Health Science Congress, held on 1-2 November 2021, Sanliurfa, Turkey.

List of Papers Published

- FM/FM(a,b)/1 Queuing system with multiple working vacations, International Journal of Advanced and Innovative Research (2278-7844) / # 30 / Volume 4, Issue 4.
- Mathematical model and performance analysis of queueing system for FM/FM (a,b)/1, Science Spectrum, Vol.2 (2-4) 134-139 Apr – Oct 2017, ISSN 2455-5053. (Andrapradesh congress)
- A distinctive analyzation of intuitionistic fuzzy queueing system using Erlang service model, AIP Conference Proceedings 2261, 030040 (2020); <https://doi.org/10.1063/5.0017073>. (Scopus)
- Analyzation of fuzzy queueing performance measures by the L-R method with Erlang service model, AIP Conference Proceedings 2261, 030055 (2020); <https://doi.org/10.1063/5.0017077>. (Scopus)
- A distinctive symmetric analyzation of improving air quality using multi-criteria decision making method under uncertainty conditions, Symmetry

2020, 12, 1858; [doi:10.3390/sym12111858](https://doi.org/10.3390/sym12111858). (Impact factor: 3.6, SCIE (Web of Science))

- Assessment of the solid waste disposal method during COVID-19 period using the ELECTRE III method in an interval-valued q-rung orthopair fuzzy approach, *Computer Modeling in Engineering & Sciences*, 2021, 131 (3), [doi:10.32604/cmescs2022.019942](https://doi.org/10.32604/cmescs2022.019942). (Impact factor: 2.4, Science Citation Index (Web of Science))
- A dual hesitant q-rung orthopair enhanced MARCOS methodology under uncertainty to determine a used PPE kit disposal, *Environmental Science and Pollution Research*, 29(59), 89625-89642, 2022. (Impact factor: 5.19, UGC CARE. Scopus. Web of Science (SCIE))
- Sustainable assessment of plastic and mixed waste disposal problem during COVID-19 pandemic: an integrated multi-criteria decision-making approach. *Environment, Development and Sustainability*, 1-26, 2023. (Impact factor: 4.08, Journal Citation Reports (Clarivate))
- Assessment of inorganic solid waste management techniques using full consistency and extended MABAC method. *Environmental Science and Pollution Research*, 1-11, 2023. (Impact factor: 5.8, UGC CARE. Scopus. Web of Science (SCIE))
- Selecting the Suitable Waste to Energy Technology for India Using MULTIMOORA Method under Pythagorean Neutrosophic Fuzzy Logic. *Neutrosophic Sets and Systems*, 56, 276-290, 2023. (Scopus)