



Mrs Jude Immaculate H
Department of Mathematics
Karunya University
Karunya Nagar
Coimbatore – 641 114
Email:judeh@karunya.edu
Phone

Personal Information:

Name : H. Jude Immaculate
Designation : Assistant Professor
Department : Mathematics
Date of Joining : 30-07-2022

Qualification with Specialization:

Degree	Major	Specialization	Year of Passing	College/ University
Ph.D	Mathematics	Topology	2017	Nirmala College for Women
M.Phil	Mathematics	Topology	2013	Nirmala College for Women
M.Sc.	Mathematics	Mathematics	2011	Providence College for Women

Teaching Experience:

Classes	years		Institution	Department	Duration
	From	To			
UG	20-07-2017- 02-12-2020	Till date	KITS	Mathematics	3 yr 5 months
PG					

Courses Taught :

- ❖ Engineering Mathematics – I
- ❖ Engineering Mathematics – II
- ❖ Probability and Statistics
- ❖ Calculus and Statistics
- ❖ Basic Mathematics for Engineering
- ❖ Mathematical Transforms
- ❖ Calculus and Differential Equations
- ❖ Design of Experiments

Research

Papers in Journals:

1. I. Arockiarani and H. Jude Immaculate, On Intuitionistic Fuzzy Rough Continuous Functions, *International Journal of Mathematical Archives*, 6(3) (2015), 57-65.
2. H. Jude Immaculate and I. Arockiarani, Compactness on Rough Intuitionistic Fuzzy Structure Subgroup Space, *International journal of Mathematics and its application*, 3(4-B)(2015), 79-86.
3. H. Jude Immaculate and I. Arockiarani, A new class of fuzzy irresolute mappings on intuitionistic spaces, *Bulletin of mathematics and statistics research*, 3(3)(2015),143- 154.
4. H. Jude Immaculate and I. Arockiarani, On some new continuous mappings in intuitionistic fuzzy topological spaces, *IJIRS*, 4(3)(2015),271-288.
5. H. Jude Immaculate and I. Arockiarani, A new class of connected spaces in intuitionistic topological spaces, *International journal of Applied Research*, 1(9) (2015), 720-726.
6. H. Jude Immaculate and I. Arockiarani, On intuitionistic fuzzy d-quotient mapping, *International journal of Applied Research*, 1(10)(2015)1015-1020.
7. H. Jude Immaculate and I. Arockiarani, Grey Relational Analysis Method for Multiple Attribute Decision Making in Rough Intuitionistic Fuzzy Setting, *International journal of innovative science, Engineering and technology*, 2(10)2015.
8. H. Jude Immaculate and I. Arockiarani, On Intuitionistic Fuzzy Rough sets, *Journal of Global Research in Mathematical Archives*, 2(8)(2014),27-44.

9. H. Jude Immaculate and I. Arockiarani, On intuitionistic fuzzy rough locally closed sets, *Journal of Global Research in Mathematical Archives* (Accepted) .
10. H. Jude Immaculate and I. Arockiarani, Cosine similarity measure for rough intuitionistic fuzzy sets and its application in Medical Diagnosis, *International Journal of Pure and Applied Mathematics* ,Vol 118(1)2018 1-7
11. Efficient Data Collection using Dynamic Mobile sink in Wireless Sensor Network, Lecture notes in Electrical Engineering 493.
12. A new Similarity measure based on cotangent function for multi period medical diagnosis, *International Journal of Mechanical Engineering and Technology*, 9(10)(2018)1285-1293.
13. On d-Homeomorphism in Intuitionistic fuzzy Topological Spaces, *Journal of Physics Conference Series* 1139(1)2019.
14. On Neutrosophic b-open sets in Neutrosophic Topological Spaces, *Journal of Physics Conference Series* 1139(1)2019.
15. Vasanth Williams, Sebastian Terence J.and Jude Immaculate, Survey on Internet of Things based Smart Home, 2019 International Conference on Intelligent Sustainable Systems (ICISS), IEEE conference
16. Jude Immaculate, H., Jafari, S., Arockiarani, I.Intuitionistic fuzzy ideals on approximation systems, *Italian Journal of Pure and Applied Mathematic* 2020, 43, pp. 224-236.(2020)
17. Evanzalin Ebenanjar, P., Sivaranjani, K., Jude Immaculate, H.,Neutrosophic soft B-open set,*Advances in Mathematics: Scientific Journal*, 9(1), pp. 405-416 2020
18. .Evanzalin Ebenanjar, Jude Immaculate H and Sivaranjani K. Introduction to neutrosophic soft topological spatial region,*Neutrosophic Sets and Systems*, Vol. 31, 2020
19. Jude Immaculate H,Evanzalin Ebenanjar, Sivaranjani K., Single Valued Neutrosophic Subrings and Ideals, *Advances in Mathematics Scientific journal* 9(2020) no3 , 725-737
20. Sivaranjani, K., Evanzalin Ebenanjar, P., Jude Immaculate, H. Reliable event-triggered control for semi-markovian jumping singularly perturbed complex networks, *Advances in Mathematics: Scientific Journal*, 9(3), pp. 1027-1040(2020)
21. Shenbaga Priya, Revadi,Sebastian Terence,Jude Immaculate, A Novel Framework to Detect Effective Prediction Using Machine Learning, *Security Issues and Privacy Concerns in Industry 4.0 Applications -2021Wiley Online Library*

Conferences

National Conference/Workshops/FDP/Training:

1. On almost d -continuous mapping in intuitionistic fuzzy Topological space, UGC Sponsored National Conference on Computational and Applied Mathematics, Erode Arts and Science College, 7th Feb 2015.
2. On intuitionistic fuzzy ideals of a ring using high α -level relation, India-Taiwan Cooperation (2015) - International workshop on intelligent data analysis techniques(IWIDAT 2015) held on 17th March 2015 at Department of Mathematics, Ramanujan School of Mathematical Sciences, Pondicherry University (A central university of India) Pondicherry – 605014.
3. A Note on Intuitionistic Fuzzy d -Continuous mappings UGC-sponsored National conference on Recent Developments in Topology, NSRDT-2015 held on 11th and 12th February 2015 at Sri Sarada College for Women(Autonomous), Salem -16. 8th and 9th September 2017
4. National Workshop on “NETWORKS AND ALGORITHM WITH APPLICATION”, Department of Mathematics, Karunya Institute of Technology and Sciences.
5. National Workshop on Internet of things ,Department of Electrical Sciences- ECE & Alumni Affairs of Karunya on 2nd February 2018.
6. National Workshop on Machine Learning, Computer Visions and Image Processing, Department of Mathematics, 18th December 2018.
7. On d -Homeomorphism in Intuitionistic fuzzy Topological Spaces, International Conference on Applied and Computational Mathematics, Erode Arts and Science College, 10th August 2018.
8. On Neutrosophic b -open sets in Neutrosophic Topological Spaces, International Conference on Applied and Computational Mathematics, Erode Arts and Science College, 10th August 2018
9. Faculty development programme,Programming and type setting tools in Engineering, Karunya Institute of Technology and Sciences,May2020
10. Faculty development programme,Recent Application of Mathematics in Engineering,Karunya Institute of Technology and Sciences,May2020
11. Faculty development programme, Matrix analysis with Application, NPTEL Oct 2019
12. Dealing with differential equation and pde's, June 29 ,2020, Binary Semantics

13. Faculty development programme, Mathematics for Competitive examinations, Karunya Institute of Technology and Sciences, June 2020
14. Faculty development programme, Applied and Computational Mathematics, Karunya Institute of Technology and Sciences, July 2020.