

Faculty Profile

1. Name : **Dr. N. LALITHAMANI**
2. Designation : Professor
3. Date of Joining : 02.03.2020
4. Nature of Association : Regular
5. E mail : lalithamani@ksrct.ac.in
6. Mobile no. : +91 8925568867



7. Academic Qualifications:

Course	Name of the Institution / University	Year of Passing	% of Marks	Class
Ph.D. (Mathematics)	Alagappa University, Karaikudi	July- 2012	--	--
M.Phil. (Mathematics)	Madurai Kamaraj University, MAdurai	April- 2003	54	Second
M.Sc. (Mathematics)	PSG College of Arts and Science, Coimbatore (GOVT AIDED) / Bharathiar University, Coimbatore	MAY-1999	86	First (Second Rank
B.Sc. (Mathematics)	Alamelu Angappan College For Women, Komarapalayam (GOVT AIDED)/ Madras University, Chennai	March-1997	72.58	First
H.S.C.	Govt. G.HSS, Erode.	March-1993	71.33	First
S.S.L.C.	Govt. HS., KN PALAYAM	April-1991	71.6	First

8. Teaching Experience

- **Professor**, K.S.Rangasamy College of Technology, Tiruchengode, from 02.03.2020 to till date.

- **Professor**, K.S.R.Institute for Engineering and Technology Tiruchengode, from 07.08.2019 to 28.02.20.
- **Associate Professor** Wollega University, Ethiopia from 25.10.2017 to 16.7.2019.
- **Professor**, K.S.Rangasamy College of Technology, Tiruchengode, from 01.11.2014 to 22.10.2017.
- **Assistant Professor**, K.S.Rangasamy College of Technology, Tiruchengode, from 01.07.2008 to 31.10.2014.
- **Lecturer**, K.S.Rangasamy College of Technology, Tiruchengode, from 06.08.2001 to 30.06.2008.
- **Lecturer**, PGP College Of Arts And Science, Namakkal, from 07.09.1999 to 30.04.2001.

9. Projects

Ph.D. :

- **Title:** Some characterization of Intuitionistic Fuzzy ideals in semi group and Gamma Semi Group.

10. Publications

International And National Journal Publications:

1. **N.Lalithamani**, K.Prabakaran and R.Ramesh , Intuitionistic fuzzy ideals and fuzzy Filters of ternary semigroups, International Journal of Advances in Mathematics : Scientific Journal , Volume 9, Issue 11, pp 9535- 9540, 2020 (ISSN 1857 8365) ,*Scopus Index*, Doi.org/10.37418/amsj.9.11.56.
2. K.Prabakaran ,**N.Lalithamani**, and R.Ramesh, Medical Images Segmentation using for Haar Wavelet techniques , Indian Journal of Natural Sciences, Volume 10, Issue 62, pp 27927-27933 (ISSN 0976 0977) ,2020 Clarivate Analytics (*WoS*).
3. S. Umamageshwari ,K.Prabakaran and **N.Lalithamani**, A Review on Image Enhancement Techniques, International Journal of Advanced Science and Engineering Research, Volume 5, Issue 1, pp 574-579, 2020 (ISSN 2455 9288).
4. **Dr.N.Lalithamani**, Dr.R.Jayasudha "On Intuitionistic Fuzzy Ideals Of Left And Right Operator Semigroups Of Γ - Semigroups" International Journal of Engineering Science Invention (IJESI)ISSN(Online):2319-6734,ISSN (Print): 2319-6726 www.ijesi.org , Volume 9 Issue 2 Series. I , Feb.2020 , PP 30-37.

5. **N.Lalithamani**, “ Properties Of Intuitionistic (T, S) Normed Fuzzy Ideals In Semigroups” South East Asian J. of Mathematics and Mathematical Sciences , ISSN(Print):0972-7752,(Online):2582 0850, Vol15,No. 2(2019),pp115-122.
6. **Dr. Lalithamani.N**, Dr. Kiruthika.K, Dr.Fekadu Yemata, “Intuitionistic Fuzzy Semiprime Ideals in Semigroups” International Journal of Current Engineering and Scientific Research, ISSN (Print): 2393-8374, (Online): 2394-0697, Volume-5, issue-5, 2018.
7. K.Kiruthik, P.Kiruthika, **N. Lalithamani**, and K.Prabakaran, “A New Fuzzy Approach for Segmentation of Chromosomes” International Journal of Current Engineering and Scientific Research, ISSN (print): 2393-8374, (online): 2394-0697, volume-5, issue-4,2018.
8. K Senthilvadivu and K.Prabakaran and **N. Lalithamani** ,“ The Effect of Thermal Stratification with Variable Viscosity and Thermal Conductivity on Free Convection Flow along a Vertical Plate with Heat Sink, Mathematical Sciences International Research Journal, Volume 6,(No 2), 2017, pp 182-189 (ISSN: 22788697) SE Impact Factor 2.03.
9. **N.Lalithamani**, K.Prabakaran S.Jagatheswari and P.Kiruthiga, “A New Adaptive Filter for Removal of Impulse noise with Uncertainty” , Asian journal of Research in Social Sciences and Humanities, vol. 6, No.7, July 2016 ,pp 296-308.(ISSN : 22497315).
10. K.Prabakaran, **N. Lalithamani** and P.Kiruthiga, “Speckle Reduction algorithm for medical ultrasound imaging”, Asian journal of Research in Social Sciences and Humanities vol 6, No.6, June 2016 ,pp 148-159. (ISSN : 2249 7315).
11. K.Prabakaran **N. Lalithamani** and ,“Analyzed on Domination and Diameter in Graphs”, International Journal of Applied Research, Volume 11, (No1), January 2016, pp 162-166 (ISSN:0973-4562).
12. N. Palaniappan and **N. Lalithamani** , “Intuitionistic (T, S)-normed fuzzy Ideals in a Semigroups”, Antarctica J. Math., 10(1)(2013),59-65.
13. N. Palaniappan and **N. Lalithamani** , “On Intuitionistic Normal Fuzzy Bi-ideals in Gamma - semigroups”, International J. of Math. Sci. & Engg. Appls. (IJMSEA), ISSN 0973-9424, Vol.5 No.VI (November, 2011),pp.281-292.
14. N. Palaniappan and **N.Lalithamani** , “Characterizations of Intuitionistic Fuzzy Ideals in Gamma -semigroups”, International Journal of Mathematical Sciences and Applications, Int. J. of Mathematical Sciences and Applications, Vol. 1, No. 3,September 2011,pp.1239-1246.
15. N. Palaniappan and **N. Lalithamani** ,“Intuitionistic Fuzzy Ideals of Semigroups”, International Journal of Mathematics Research .ISSN 0976-5840 Volume 5(2011),pp.457-463.

Papers Presented National & International Conferences

1. International Conference on FMAACM 2021 “Application on Haar Wavelet Techniques for Enhanced Chromosome Medical Image Segmentation” February 25-26- 2021, hosted online by the Pondicherry University (A Central University of India), India.
2. International Conference on FMAACM 2021 “A Study on Intuitionistic fuzzy ideals and Intuitionistic fuzzy Filters of ternary Semigroup” February 25-26- 2021 , hosted online by the Pondicherry University (A Central University of India), India.
3. National Conference on “Science, Technology and Innovations Application and Transfer for Development Endeavors” Organized by Wollega University from 22 to 23 June -2018, “ON INTUITIONISTIC FUZZY BI-IDEALS IN Γ -SEMIGROUPS”.
4. National Conference on “Mathematics for the Advancement of Science and Technology” at Addis Ababa Science and Technology University, Ethiopia 24 and 25 May-2018, “On intuitionistic fuzzy semiprime ideals in semigroups”.
5. Analyzed on domination and diameter in graphs, International Conference on Applied Mathematical Models, Organized by PSG College of Technology, Coimbatore, January 5-7, 2016.
6. UGC Sponsored National Seminar On “Recent Trends in the Applications of Mathematical Sciences” 27 and 28 January 2011 presented paper “Some properties of Intuitionistic normed Fuzzy Subrings under Homomorphism and Anti Homomorphism” organized by Vellalar College of Women, Erode
7. National Conference on Applications of Fuzzy sets and Fuzzy Logic held at Government Arts College, Coimbatore 22 and 23 October 2008, “Intuitionistic normed Fuzzy Ideals of Semigroups”.

11. Workshop / FDP / Conference / Summer Training Programmes

Academic

1. Training programme in Origin 6.0 and Mathtype by Physics Department, Wollega University, Ethiopia 2019.
2. Fuzzy Logic Controller Training Programme Using MATLAB, Wollega University, Nekemte, Ethiopia 2018.

3. Indian Society for Technical Education and Srinivasa Ramanujan Mathematical Competitions 2014-2015.
4. QEEE is a Ministry of Human Resource Development Indian Institute of Technology Madras as a faculty in charge for the topic "Random Variables and Distribution Functions" of the initiative in the phase from August – October 2015 (Phase IV).
5. Thirteenth ISTE Annual Convention on Emerging Trends in Engineering Education Indian Perspective, Organized by Indian Society for Technical Education and K.S. Rangasamy College of Technology, Tiruchengode, October 29-30,2010.
6. Short term Course Supported by Indian Association for Research in Computing Science on Mathematical Aspects of Computer Science, Organized by K.S. Rangasamy College of Technology, September 22- 23,2006
7. National Symposium on Mathematical Methods and Applications 22 December 2005 at the Department of Mathematics, IIT Madras.
8. Faculty Training Programme in Probability and Statistics Random Processes and Queuing Theory Organized by the Department of Mathematics, Tamilnadu College of Engineering, Coimbatore during Dec 26- Dec30,2005.

12. Membership in Professional Bodies

- Active Member in Indian Society of Technical Education (ISTE) Committee.
- Member in International Society For Research and Development (ISRDR).
- Member in World Research Council(WRC)

CERTIFICATES OF MERIT:

Name of Award	Year for which received	Awarding Body/ Agency
International Best Professor in Mathematics	1999	RULA
Outstanding Woman	2020	Venus International Foundation

13. Research Activities

- **Area of Expertise / Research Interests**

- Fuzzy Algebra, Intuitionistic fuzzy, Graph Theory and Numerical Methods

14. Personal Details

Fathers Name : P.NACHIMUTHU

Date of Birth & Age : 07.05.1975 & 46 Years

Gender : Female

Marital Status : Married

Permanent Address : W/O.R.Baskaran,Kaniyalampatti,Thevur(PO),
Sankari(TK),Salem(DT),Tamilnadu,India.
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