

Name : Dr.S.Rajkumari  
Qualification : M.Sc., M.Phil., Ph.D  
Designation : Assistant Professor  
Department Name : Mathematics  
Date of Birth : 20.05.1981  
Date of Appointment : 13.10.2008  
Office Address : Department of Mathematics,  
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Specialization : Fuzzy Soft Matrices  
Experience : 14 years



#### List of Publications

1. N.Sarala and S.Rajkumari, “**Invention of Best Technology In Agriculture Using Intuitionistic Fuzzy Soft Matrices**”, *International Journal of Scientific and Technology Research*, Volume3, Issue5, ISSN:2277-8616, **SJIF 2014:3.023**, pp:286-290, 2014.
2. N.Sarala and S.Rajkumari, “**Application of Intuitionistic Fuzzy Soft Matrices in Decision Making Problem by Using Medical Diagnosis**”, *IOSR Journal of Mathematics*, Volume 10, Issue 3ver.VI, e-ISSN:2278-5728, p-ISSN:2319-765X, **IF:1.759**, pp:37-4, 2014.
3. N.Sarala and S.Rajkumari, “**Role Model Service Rendered to Orphans by Using Fuzzy Soft Matrices**”, *International Journal of Mathematics Trends and Technology*, Volume 11, Number1, E-ISSN:223-5373,P-ISSN:2349-5758, **IF-1.469**, pp:14-19, 2014.
4. N.Sarala and S.Rajkumari, “**Significant characters of Fuzzy Soft Matrices**”, *International Journal of Engineering Research and Technology*, Volume 3, Issue 9,ISSN: 2278-0181, **IF: 2.70**, pp:959-966, 2014.
5. N.Sarala and S.Rajkumari, “**Drug Addiction effect in Medical Diagnosis by Using Fuzzy Soft Matrices**”, *International Journal of Current Engineering and Technology*, Volume 5, Number1, E-ISSN: 2277-4106, P-ISSN: 2347-5161, **GIF:5.126**, pp:247-251,2015.
6. Sarala.N and Rajkumari.S, “**Essential Characteristic Features of Intuitionistic Fuzzy Soft Matrices**”, *International Journal of informative and Futuristic Research*, Vol.3, Issue 1, ISSN:2347-1697, **SJIF 2015: 5.081**, pp:19-41,2015.
7. Sarala.N and Rajkumari.S, “**Advantages and Characteristic Features of Human Life in Villages by Using Fuzzy Soft Matrices**”, *International Journal of Fuzzy Mathematical*

*Archive*, Vol.9, No.2, ISSN: 2320-3242(print), ISSN: 2320-3250(online), **IF 2015:1.137**, pp:251-260,2015.

8. Sarala.N and Rajkumari.S, “**Decision Making Carried in Food Adulteration by Using Interval Valued Fuzzy Soft Matrices**”, Proceedings of the National Conference on Graph Theory, Fuzzy Graph Theory and Their Applications, *Jamal academic research journal: An interdisciplinary special issue(Feb-2016)*, ISSN: 0973-0303, pp:213-220,2016.
9. Sarala.N and Rajkumari.S, “**Different Types of Inequalities Exist Among Human Beings By Using Fuzzy Soft Matrices**”, *International Journal of Innovative Research in Science, Engineering and Technology*, Volume 5, Issue 5, ISSN(Online):2319-8753, ISSN(Print): 2347-6710, **IF 2015: 6.209**, pp:8304-8316,2016.

#### **Conference/Seminar organized/Attended**

- Organized Mini Winter School on “PYTHON-2017”, Government College for Women(A), Kumbakonam on February 14 to 16, 2017.
- Organized one day workshop on “LIE GROUPS”, Government College for Women(A), Kumbakonam on 14<sup>th</sup> March 2015.
- Organized Mini Winter School on “ULTRA COLD ATOMS”, Government College for Women(A), Kumbakonam on December 22<sup>nd</sup> to 24, 2014.
- Participated one day zonal level seminar for YRC Programme Officers of Bharathidasan University Area” on February 10, 2017.
- Participated Faculty Development Programme one day seminar on “Creating Teaching Techniques” organized by Internal quality Assurance cell in collaboration with Swami Vivekandandha Illam, Sri Ramakrishna Math, Chennai on 22.08.2015.
- Participated Workshop on “Frontier Areas in Symbolic Computing and Cloud Computing”, Government College for Women(A), Kumbakonam – 2014.
  - Participated Workshop on ”Mathematical modeling in Biology using SPSS”, Government College for Women(A), Kumbakonam – 2013.
  - Participated Workshop on “Handson Training in Interactive Devices “, Government College for Women(A), Kumbakonam on 13.9.13.
  - Participated Seminar on National year of mathematics 2012, Ramanujan’s 125<sup>th</sup> Birthday Celebrations on December 2012 at Government Arts College(A), Kumbakonam.

#### **Orientation / Refresher Courses Attended**

1. Orientation - 13.10.2008-08.11.2008- Tamil nadu State council for Higher Education and University Grants Commission-academic staff college university of Madras,Chennai.

2. Refresher course – 10.06.2011- 30.06.2011 – UGC Academic Staff College Bharathidasan University, Trichy.
3. Refresher course – 13.07.2018- 02.08.2018 – UGC Human Resource Development Centre Bharathidasan University, Trichy.

**Other (relevant to academic activity)**

- YRC coordinator from June 2014-2016.
- Placement Coordinator from June 2015 onwards.
- Carrier guidance cell 2018-2019.
- Computer Literacy Programme Coordinator.

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