

Profile



Personal Information:

Name : Dr. S.ANDAL
Designation : Assistant Professor of Mathematics
Department : Mathematics
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I. Academic Qualifications:

Doctoral Research Ph.D

- **University** : Madurai Kamaraj University, Madurai
- **Title** : A Study on Fuzzy Assignment Problems Using Triangular Fuzzy Numbers.
- **Year** : 2020

Master of Philosophy

- **University** : Alagappa University, Karaikudi
- **Title** : A Study on Polynomial Equations and Circulant Matrices.
- **Year** : 2003

Post Graduation

- **University:** Madurai Kamaraj University, Madurai
- **Name of the College :** Sri S.Ramasamy Naidu Memorial College, Sattur
- **Degree :** Master of Science in Mathematics
- **Year :** 2001

Under Graduation

- **University :** Manonmaniam Sundaranar University, Tirunelveli
- **Name of the College :** G.Venkatasamy Naidu College, Kovilpatti.
- **Degree :** Bachelor of Science in Mathematics
- **Year :** 1999

II. Teaching Experience:

- **Under-Graduate :** 14years
- **Post Graduate :** 13 years 6 Months
- **From 28.12.2007** – Working as an Assistant professor of Mathematics in Mannar Thirumalai Naicker College, Madurai.

III. Area of Specialization:

- Optimization Techniques
- Number Theory

IV. Orientation / Refresher Courses / Short Term Courses attended :

Orientation Programme:

- UGC Sponsored Orientation Programme at Madurai Kamaraj University from 14.05.2008 to 10.06.2008

Refresher Course :

- UGC Sponsored Refresher Course in Environmental Studies at Madurai Kamaraj University from 11.11.2008 to 01.12.2008
- UGC Sponsored Refresher Course in Mathematics at Madurai Kamaraj University from 07.11.2013 to 27.11.2013.
- UGC Sponsored Refresher Course in Mathematics at Madurai Kamaraj University from 10.11.2021 to 23.11.2021.

V. Books/Chapters Published in edited Volumes :

Recent Trends in Mathematical Models published by Shanlax Publications (ISBN No:978-93-80686-97-4).

VI. Papers Published in UGC notified Journals:

- A novel approach to Minimum cost flow of Fuzzy Assignment Problem with Fuzzy Membership Functions , IRACST – Engineering Science and Technology An International Journal (ESTIJ) ISSN :2250- 34498, Vol 6, No2, Mar –Apr- 2016.
- Analyze the certainty range (minimum and maximum) of FAP by Statistical Approach, IOSR Journal of Mathematics (IOSR –JM) e-ISSN 2278-5728, p –ISSN : 2319- 765X , Volume 12, Issue 6, Ver VI (Nov-Dec 2016).
- On Novel approach to analyze the minimum fuzzy cost in RSA Method with statistical Prediction. International Journal of Mathematical Archive -8(5), 2017, 80-86.

- A novel approach to analyze the three dimensional interval Fuzzy Optimal Assignment Cost using Partition Method, Advances in Fuzzy Mathematics, ISSN 0973-533X, Volume 12, Number 5 (2017), Research India Publications.
- Non –Dominating Alternate path of Bi-Objective Fuzzy Assignment Problem, International Journal of Engineering Research in Computer Science Engineering (IJERCSE), Vol 5, Issue 3, March 2018, ISSN (Online) 2394 -2320.
- Minimizing the Employers Training Cost Using Skill Assignment Problem, Journal of Xi' an University of Architecture and Technology, ISSN : 1006-7930. volume XII, Issue III, 2020
- Time Series Analysis of Moving averages in Fuzzy Assignment Problem, Journal of Xi' an University of Architecture and Technology, ISSN : 1006-7930. volume XII, Issue III, 2020
- Optimal Decision making Analysis in Categorization of Heart Failure Patient Using Sensitivity Analysis, Journal of Xi' an University of Architecture and Technology, ISSN : 1006-7930, volume XII, Issue X, 2020
- Mathematical Model for Minimizing the cost in Employers Training using Assignment Problem, Journal of Physics, (online), August 2021.

VII. Articles Published / Presented In Conference Proceedings and ISBN / ISSN Journals

- National Conference on Recent Trends in Applied Mathematics: A novel approach to priority assigns the job for Fuzzy Assignment Problem at Mannar Thirumalai Naicker College on 14th August 2015, ISBN No: 978-93-85399-68-8.
- National Conference on Present Scenario in Graph Theory : Method for Solving Fuzzy Assignment Problems using Row and Column Penalties. at Mannar Thirumalai Naicker College on 16th December 2016,

ISBN : 978 -93-85977-68-8.

- International Conference on Recent Trends in Applied Mathematics: A Novel approach to analyze the minimum Fuzzy Cost in RSA method at Sri S.Ramasamy Naidu memorial College, Sattur on 24.01.2017 &25.01.2017.

ISBN : 978-93-5268-266-9.

VIII. Details of Projects

S.No	Title of the Project	Name of the Applicant	Status	Amount	Funding Agency	Year
1	Mathematical Modeling on Time and Cost Minimizing Assignment Problem	S.ANDAL	Completed	20,000/-	Institutional Sponsored Faculty Minor Research project	2019-2020

IX. Faculty Development Programme / Conference/ Seminar Attended :

- National Conference on Applicable Mathematics and Mathematical Methods organized by the Department of Mathematics , Madurai Sivakasi Nadars Pioneer Meenakshi Women's College, Poovanthi on 28th December 2013.
- International Conference on Mathematical Computation and Modelling at The Madura College, on 6th January 2014.
- One Day State Level Seminar on Emerging Trends in General Topology held at Nadar Saraswathi College of Arts and Science , Theni on 24th January 2014.
- State Level Seminar on Recent Trends in Mathematical modeling at Mannar Thirumalai Naicker College on 14th August 2014.
- National Conference on Recent Trends in Applied Mathematics at Mannar

Thirumalai Naicker College on 14th August 2015.

- National Conference on Present Scenario in Graph Theory at Mannar Thirumalai Naicker College, Madurai at 16th December 2016.
- International Conference on Advances in Mathematics and Computer Science-2017 at V.V.Vaniaperumal College for Women, Virudhunagar at 14.12.2017 to 16.12.2017.
- International conference on Computational Science & its Applications at Sri S.Ramasamy Naidu Memorial College at 16th March 2018.
- National Seminar on Applied Mathematics & IPR at Mannar Thirumalai Naicker College, Madurai on 16th December 2019.
- Faculty Development Programme on Documentation on Graph Using Latex on 13th May 2020 at Nizwa College of Engineering , Nizwa .
- Online Faculty Enrichment Programme conducted by IQAC , Mannar Thirumalai Naicker College, Madurai from 13th may 2020 to 19th May 2020.
- Online E-Workshop cum E-Quiz on Positive Thought and Ideal Life on 28.05.2020 at Mannar Thirumalai Naicker College, Madurai.
- Three Day Faculty Development Programme on Descriptive Statistics Through R-Programming at KPR Institute of Engineering and Technology, Arasur, Coimbatore from 26.05.2020 to 28.05.2020.
- Online Faculty Development Programme on 10th June 2020 at Mepco Schlenk Engineering College, Sivakasi.
- Online Faculty Development Programme from 27.07.2020 to 31.07.2020 at KPR Institute of Engineering and Technology. Arasur, Coimbatore.
- One Day Workshop on SAGE for Mathematics and Engineering at Bannari Amman Institute of Technology, sathyamangalam on 7th August 2020.
- Two weeks Online Faculty Development on” Pedagogy and Research Methods” Organized by AMET University from 24.05.2021 to 06.06.2021.

- One week Online Faculty Development on” Yoga for well being “Organized by AMET University from 11.06.2021 TO 17.06.2021.
- Participated in an Online International Conference on Data Science in e-commerce at Mannar Thirumalai Naicker College on 23.07.2021.
- Two days seminar on Development of Governing Equations of fluid flow , organized at KPERT, Coimbatore, on 2.08.2021 & 3.08.2021.

X. Convener And Organizing Secretary For The Seminars/ Workshops And Intercollegiate Meet

S.No	Title	Name of the Resource Persons	Date
1	One Day Workshop on CSIR NET & TNSSET Preparations	Mr. G. Ganaprakasam Dr. C. Y.Ponnappan	29.07.2019
2	Versatile Math REY 2020 Intercollegiate Fest	Mr. P.Karthikeyan, Managing Director, Sree Enterprises, Dindigul.	06.03.2020
3	E-Quiz on Number Theory		1.07.2020

XI . Subject Expert / Member in Board of Studies:

- Online Board of Study meeting at G.Venkatasamy Naidu College, Kovilpatti on 12.11.2020 For I year B.Sc Maths & I year M.Sc Maths acted as subject expert.

- BOS AT G.Venkatasamy Naidu COLLEGE, Kovilpatti, on 29.07.2021 (off line)
For II Year B.Sc Maths & II year M.Sc Maths acted as Subject Expert.

XII. Academic Responsibilities (MTNC)

S.No	Name of position	From	To
1	Bus Pass Committee Member	2009	2011
2	Women Development Cell – Member	2010	2012
3	Science & Communication Club – Convener	2013	2014
4	Student Aid Fund - Convener	2019	2020
5	Women Development Cell - member	2019	Till date
6	Consumer Club	2021	Till date