

FACULTY PROFILE

Dr. R.V.M. RANGARAJAN,
SREE KUMARAN TOWERS
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DOB(age)/Community/Caste/Religion :
09/12/1965 (55 Years)/BC/Vanniar Chettiar/Hindu

RESEARCH INTEREST

Contributions in the field of Sets, Maps, Compactness and Connectedness in Topological and Fuzzy Topological Spaces.

EDUCATION

Ph.D. in Mathematics, February 2018 – Bharathiar University, Coimbatore.
M.Phil. in Mathematics, April 2001 – Madurai Kamaraj University, Madurai.
P.G. Diploma in Statistics, May 1992 – Madurai Kamaraj University, Madurai.
M.Sc. in Mathematics, May 1990 – Bharathiar University, Coimbatore.
B.Sc. in Mathematics, May 1988 – Bharathiar University, Coimbatore.

MEMBERSHIP

Member of Indian Society for Technical Education (M.I.S.T.E)

PROFESSIONAL EXPERIENCE

Professor & Head, Department of Mathematics, Sengunthar Arts and Science College,
25th July 1991 – 30th June 2011. (20 Years of Experience)

Professor & Head, Department of Mathematics, K.S.R. College of Engineering,
1st July 2011 – Present. (10 Years of Experience)

Total Experience : 30 Years

RESEARCH SUPERVISOR

Guided research scholars in Philosophy and produced 12 Scholars in various fields.

PUBLICATIONS

PAPERS PUBLISHED IN NATIONAL AND INTERNATIONAL JOURNALS

1. Nano continuous mappings via Nano θ open sets
AIP Conference Proceedings 2177(1):020100-1 to 5, 4th Dec 2019.
2. $\tau_i \tau_j - M^* - \sigma_k$ Continuous Maps, Journal of Emerging Technologies and Innovative Research(International open access and UGC-Approved)(JETIR), Volume 6, Issue 3, Pp. 64-70, March 2019.
3. Weakly Generalized Fuzzy Closed Sets and Maps in S-ostak's Fuzzy Topological Spaces, Internal Journal of Intellectual Advancements and Research in Engineering Computations, Vol. 5, Issue 2, Pp.2182-2202 June 2017.
4. Fuzzy e-irresolute Mappings on Fuzzy Topological Spaces, Annals of Fuzzy Mathematics and Informatics (AFMI), Vol.11, No.1, Pp.53-62, Jan 2016.
5. On Fuzzy Nearly C- α -Compactness in Fuzzy Topological Spaces, International Journal of Pure and Applied Mathematics (IJPAM), Vol. 106, No.5, Pp.89-98, Feb 2016.
6. Characterizations of Fuzzy α -Connectedness in Fuzzy Topological Spaces, International Journal of Pure and Applied Mathematics, (IJPAM) Vol.95, No.1, Pp.105-111, May 2014.
7. Minimal A-Closed Sets And Maximal α -Closed Sets, International Journal of Pure & Engineering Mathematics (IJPEM), Vol.2, No.III, Pp. 49-58, Dec 2014.
8. Properties of Fuzzy α -Compact Spaces, Journal of Advanced Research in Scientific Computing (JARSC), Vol.6, Issue 3, Pp.1-8, Nov 2014.

PAPER PRESENTED IN INTERNATIONAL CONFERENCE

1. Weakly Generalized Fuzzy Closed Sets and Maps in S-ostak's Fuzzy Topological Spaces, International Conference on Applied Mathematical Models (ICAMM -2016), P.S.G. College of Technology, Pp.691-711, Jan 2016.

PAPERS PRESENTED IN NATIONAL CONFERENCES

1. Properties of r-weakly generalized fuzzy closed sets and irresolute mapping in Sostak's fuzzy topological spaces National conference on Mathematics, K.S.R. Arts and Science College, 14th Dec, 2018.
2. On Fuzzy Contra e-continuity,
National Conference on Emerging Trends in Topology and Applications of Analysis (NCETTA 2017), 10th Feb, 2017, Kongu Arts & Science College, Erode.
3. On Fuzzy e-continuous Multifunction,
National Conference on Topology (NCT 2016), Kongu Arts & Science College, Erode.
4. Fuzzy e-irresolute Mappings on Fuzzy Topological Spaces,
National Conference on Computational and Applied Mathematics (NCCAM 2015), Erode Arts & Science College, Pp.215-222, 7th Feb, 2015.
5. On Nearly C- α -Compactness in Topological Spaces,
National Seminar on Recent Development in Topology (NSRD 2015), Sri Saradha College for Women, Pp. 80-89, 11-12th Feb, 2015.

6. On Fuzzy Nearly C - α -Compactness in Fuzzy Topological Spaces, National Conference On Recent Trends in Mathematical Analysis and Applications (NCRMTAA 2015), C.M.S. College of Science & Commerce, Pp.20-23, 9-10th July, 2015.
7. Properties of Fuzzy α -Compact Spaces, National Conference on Recent Advances in Graph Theory and its Applications (NCRAGTA-2014), Kongu Arts and Science College, 25th Jan, 2014.
8. M^* - Open Sets in Bitopological Spaces, National Conference on Recent Research Development in Pure and Applied Mathematics (NCRDPAM-2019) held in the PG and Research Department of Mathematics, Government Arts College(Autonomous), Karur from 21st & 22nd February 2019.
9. Nano δ -open sets and their Notions, New Trends in Mathematical Modelling with Applications (ICNTMMA 2019), held at Sri Vidya Mandir Arts & Science College, Uthankari, during 29th and 30th July 2019

PAPERS SUBMITTED TO JOURNALS

1. On Fuzzy Contra e-Continuity, Iranian Journal of Fuzzy Systems, Iran, 5th Dec 2018.
2. On Fuzzy e-Continuous Multi Functions, Bulletin of the Korean Mathematical Society (BKMS), Korea, 23rd June 2018.

GUEST LECTURES PRESENTED AND COURSES ATTENDED

1. Presented Guest Lecture on "Optimization Techniques and its Applications" on 24th Feb 2017, Organized by Ramanujan Forum, Department of Mathematics, K.S.R. College of Arts & Science College.
2. Presented Guest Lecture on "Introduction to Operations Research" on 22nd Sep 2017, Organized by the Department of Mathematics, Kavitha's College of Arts and Science.
3. Presented Guest Lecture on "Applications of Operations Research" on 11th August 2015, Organized by Department of Mathematics, K.S.R. Arts and Science College, Tiruchengode.
4. AICTE sponsored FDP on Success Mantra to Promote Higher Education in Digital Era on 8th July to 21st July 2019 organized by KSR School of Management.
5. Presented Guest Lecture on "Applications of Operations Research" on 19th Dec 2018, Organized by Department of Mathematics, Selvam Arts and Science College, Namakkal.
6. National Seminar on "Digitization of Higher Education for Quality Enhancement of Teaching-Learning and Research: Challenges and Opportunities" VIT, 22-23 Oct, 2018.
7. One week certificate course conducted by ICT Academy on "Digital Teaching Techniques" from 29th Jun 2020 to 04th July 2020.
8. Presented Guest Lecture on "Applications of Mathematics" on 06/08/2019 organized by PG Department of K.S.R. College of Arts & Science for Women, Tiruchengode.

FACULTY DEVELOPMENT PROGRAMME/WORKSHOP ORGANISED/PARTICIPATED

1. Three days Faculty Development Programme was organized on “Brain Storming Session for Bridge Course on Mathematics” for the faculty in Namakkal District. Funded programme by Anna University, received grant of Rs. 80,000.
2. Participated 3 days National Seminar on Digitization of Higher Education for Quality Enhancement of Teaching-Learning and Research: Challenges and Opportunities” held at Vellore Institute of Technology, Vellore, during October 22-23, 2018.
3. Organized workshop on “NAAC – Accreditation and its importance” K.S.R. College of Engineering, 12th Oct 2018.
4. Organized workshop on “NBA – Accreditation and its Importance” at K.S.R. College of Engineering, 25/08/2019.
5. Organised one day workshop on “Outcome Based Education (OBE)” at K.S.R. College of Engineering 01/03/2019.
6. Participated 14 days AICTE Sponsored Faculty Development Programme on “Success Mantra to Promote Higher Education in Digital Era: Teach to Learn and Learn to Teach” from 8th July to 21st July 2019, at K.S.Rangasamy College of Technology.
7. Participated one day workshop on “J-Gate – An Electronic Gateway for Research” conducted by K.S.R. College of Engineering on 10/07/2019.

PUBLICATIONS/STUDY MATERIALS PUBLISHED

Text Book Published by Pallavi Pathipakam:

1. Business Mathematics and Statistics (ISBN 978-93-80024-16-5)
2. Operations Research and Statistical Methods (ISBN 978-93-80024-18-9)
3. Business Mathematics and Operations Research (ISBN 978-93-80024-17-2)

Study Materials prepared for Alagappa University:

1. Algebra for B.Sc.,(Mathematics) – Copy right reserved by Alagappa University

Study Materials prepared for Periyar University:

1. Biostatistics for B.Sc., Bio-Technology
2. Business Statistics for B.Com
3. Business Mathematics for B.B.A
4. Numerical Methods for M.Sc.,(Mathematics)
5. Operations Research for M.Sc.,(Mathematics)
6. Research Methodology for M.Phil.,(Mathematics)

(For all the above text book materials the copy rights is reserved by the Periyar University)

SUBJECTS HANDLED

In Arts & Science College: (Teaching Experience UG: 20 Years & PG: 16 Years)

Modern Algebra / Classical Algebra / Linear Algebra / Vector Calculus / Analytical Geometry / Topology / Functional Analysis / Real Analysis / Operations Research / Numerical Methods and Statistical Methods.

In Engineering College: (Teaching Experience UG: 8 Years & PG: 8 Years)

Engineering Mathematics I & II / Transforms and Partial Differential Equations / Numerical Methods / Operations Research / Statistical Methods / Applied Mathematics / Statistical Methods and Queuing Theory

AWARDS AND RECOGNITIONS

Received Best N.S.S. Programme Officer Award from Madras University and Periyar University. Honored and recognized for producing 100% results in End Semester University Examinations.

MEMBERSHIP IN PROFESSIONAL BODIES

S.No.	Professional Bodies	Positions Held
1.	Senate Member	Periyar University (2008-2011)
2.	Inspection Panel Member	Continuation and Course Affiliations for the Constituent colleges under Periyar University
3.	Advisory Committee Member	NSS, Periyar University (2008-2011)
4.	Board of Studies Member	UG & PG - Periyar University
5.	Board of Studies Chairman	UG & PG – KSR Engineering College (2011-Present)
6.	Internal Quality Assurance Cell (IQAC) Coordinator	KSR Engineering College (2016- Present)
7.	Academic Council Member	KSR Engineering College (2016- Present)
8.	Standing Committee Member	KSR Engineering College (2016- Present)
9.	NIRF Coordinator	KSR Engineering College (2016- Present)
10.	Chief Examiner	Periyar University (1998-2011)
11.	Chief Superintendent	Sengunthar Arts & Science College (1995-2011)
12.	Question Paper Setter	Various Universities, Arts & Science and Engineering colleges
13.	Best NSS Programme Officer Award	Madras University & Periyar University
14.	Journal Reviewer	University of Jaffna, Sri Lanka

Sd/-

Date : 06/12/2021

SIGNATURE
(Dr. R.V.M. RANGARAJAN)