

Profile

Personal Information:

Name: Dr.R.BHAVANI

Designation: Assistant Professor of Mathematics

Department: Mathematics

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I. Academic Qualifications:

Doctoral Research Ph.D

- **University** : Madurai Kamaraj University, Madurai, India
- **Title** :A Study on New Generalized closed sets in Bitopological Spaces
- **Year** :2017

Master of Philosophy

- **University** :Madurai Kamaraj University, Madurai, India
- **Degree** :Master of Philosophy in Mathematics
- **Year** :1999

Post-Graduation

- **University** :Madurai Kamaraj University, Madurai, India
- **Degree** :Master of Science in Mathematics
- **Year** :1998

Under Graduation:

- **University**: Madurai Kamaraj University, Madurai, India

- **Degree** :Bachelor of Science in Mathematics

- **Year** :1996

II. Teaching Experience:

Work Experience:

- **Under-Graduate** : 13 years 2 Months

- **Post Graduate** : 13 years 2 Months

- 2001-2003 Worked as a Lecturer in MannarThirumalai Naicker College (SF), Madurai.

- From 2006 – Working as an Assistant Professor in the Regular Stream in MannarThirumalaiNaicker College, Madurai

III. Area of Specialization:

- Study of Bitopological Spaces

- Study of General Topology

IV. Orientation / Refresher Courses /Faculty Development Programme/Short Term CoursesAttended :

Orientation Course:

- . UGC Sponsored Orientation Programme at Madurai Kamaraj University, Madurai 10th June 2018

Refresher Course:

- . UGC Sponsored Refresher Course on the theme of Advanced Analysis and its Applications at Madurai KamarajUniversity, Madurai 27th February 2012

- . UGC Sponsored Refresher Course on the theme of Recent Trends in Mathematics at Madurai Kamaraj University, Madurai February 2014

. UGC Sponsored Refresher Course on Inter Disciplinary-Environmental Sciences Andhra University, Visakhapatnam from 26.08.2021 to 8.09.2021.

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:

.On Strong Forms of Generalised Closed Sets in Micro Topological Spaces, Turkish Journal of Computer and Mathematics Education, Volume 12, (11)May 2021

. On Nano $\hat{\Omega}$ – Closed Sets, Journal of Xidian University, Volume 15, Issue 5May 2021

. A New Approach of $(1,2)^* - \beta - \gamma - c -$ Open Sets and $(1,2)^* \beta c - \gamma -$ Open Sets in Bitopological Spaces in Adalya Journal Volume 9 , Issue 9 ISSN No : 1301 – 2746 , Sep 2020 .

. On The Classes $(1,2)-\beta c$ -Open Sets in Bitopological Spaces in International Journal of Mathematics Trends and Technology(IJMTT) in 2020 Volume 66 Issue 2 ISSN No: 2231-5373.

.Some properties of Nano $(1,2)^*$ -closed sets in IJST in 2019

. On Some Classes of Nano $(1,2)^*$ g-closed sets in Bitopological Spaces in IJRT in 2018 Volume 5 with Impact factor 5.417 ISSN No:2231-9637

. On Nano $\wedge rg$ – closed sets in International Journal of Applied Mathematics in 2017 Volume 5 ISSN No : 1314-8060

. Properties of Nano αg^\wedge - closed sets in Journal of Global Research in Mathematical Archives in 2017 Volume 5 Issue 2, ISSN No : 2320-5822

- . On $g_{\sim(1,2)}^*$ - closed sets in International Journal of Mathematics and its applications Page Number (65-73) in 2015 Volume 3, ISSN No : 2347-1557

VII . Paper Published in Proceeding :

- . Recent Trends in Mathematical Models published by ShanlaxPublications(ISBN No:978-93-80686-97-4)
- . National Seminar on “ Recent Trends in Applied Mathematics (RTAM-2015)” entitled “ $T(1,2)^*$ - in Bitopological spaces ”Organized by the Department of Mathematics , MTN College, Madurai on 14th Aug 2015
- . Proceedings on the National Level Seminar on “ Women Empowerment and Milestones Challenges .”Organized by the Women’s cell, N.M.S.S. VellaichamyNadar College, Madurai on 8th Oct 2015
- . Proceeding of the National Conference on RAPAAM entitled “ $g^* \omega$ Closed Sets and Open Sets ” in Organized by the Department of Mathematics, Arul Anandar College, Madurai, on 13th Feb 2017.

VIII. Papers Presented in Seminors/Confrences :

- . $g(1,2)^*$ - open maps in Bitopological spaces State Level in Resent Trends in Mathematical Models at Mannar ThirumalaiNaicker College 14th August 2014
- . $T(1,2)^*$ - in Bitopological spaces National Level in Resent Trends in Applied Mathematics at MannarThirumalai Naicker College 14th August 2015
- . Women Empowerment – Milestones and Challenges International Level Women’s Cell at N.M.S.S.Vellaichamy Nadar College 8th October 2015
- . On $g^* \omega$ – Closed Sets and open Sets in National Level Conference on Recent Advances in pure and Applied Mathematics 13thFeb , 2017
- . Some properties of Nano $g(1,2)^*$ -closed sets International Level , AMST 25th July 2019

IX. Details of Projects :

S.No	ProjectTitle	Name ofApplicant(s)	Status	Amount	Agency
1	A Study On \tilde{g} (1, 2) Closed Set & $\tilde{g}(1, 2)$	Dr.R.BHAVANI	Submitted	3,00,000	UGC
2	(1,2)* g^{ω} - Continuity And	Dr.R.BHAVANI	Submitted	5,00,000	NBHM
3	A study on \tilde{g} (1, 2)*- locally closed sets in	Dr.R.BHAVANI	Submitted	2,90,000	Management Fund, MannarThirumalaiNaicke College
4	A study on Nano Topological	Dr.R.BHAVANI	Submitted	3,00,000	Management Fund, MannarThirumalaiNaicke College

X. Faculty Development Programme/Conference Seminar Attended:

- . Pedagogy and Research Methods, online HRDC & IQAC, AMET , Chennai from 24.05.2021 to 06.06.2021
- . Yoga for well-being during covid period, online HRDC & IQAC, AMET , Chennai from 11.06.2021 to 17.06.2021
- . State Level Seminar on Vistas in Mathematics at Sri S.R.N.M College 9th February 2013
- . National Level Seminar on Applicable Mathematics and Mathematical Models at M .S .N .P Meenakshi Women's College 28th December 2013
- .State Level Seminar Emerging Trends in General to Topology at N.S.College of Arts and Science 24th January 2014
- . Faculty Development programme on the theme of

Emerging Trends in General Topology at Nadar
Saraswathi College of Arts and Science, January 2014

- . National Level Seminar on Applications in Fuzzy Mathematics and Fractal Geometry at The American College 21st February 2014
- . National Level Seminar on Women Empowerment – Milestones and Challenges at S.V.N College 08th October 2015
- . International Level Seminar on Women are the Architects of Society K.L.N College 05th March 2016
- . National Level Seminar on Recent Advances in Pure and Applied Mathematics at Arul Anandar College 13th February 2017
- . International National Level Seminar on Research Process Engineering Effective and For Quantitative Research at G.T.N College 28th February 2017
- .
- . National Level Webinar on Stay At Home , Save lives Pledge at Ministry of Electronics and Information Technology 30th March 2020
- . National Level Webinar on Safety Against Covid 19 Certificate of Commitment 30th March 2020
- . National Level E Quiz on Covid 19 Pandemic General Awareness at Chandigarh Group of College 10th April 2020
- . National Level E Quiz on Impact of Covid 19 in Global Economy at Khadir Mohideen College 11th May 2020
- . National Level Seminar on Online Mathematics Quiz on Linear equation in One Variable at S.P.S.P.M Junior College 22nd May 2020
- . National Level Seminar E Quiz on Numerical Methods at Government College for Women 23rd May 2020
- . National Level Seminar on E Quiz by Department of

Mathematics at Sengunthar Arts and Science College 26th
May 2020

.National Level Webinar on Qualitative Analysis of
Differential Equations and its Applications at G.T.N Arts
College 27th May 2020

.National Level Webinar on Recent Research Directions
in Distance in Graphs at AyyaNadarJankiAmmal
College 28th May 2020

.National Level Webinar on Fuzzy Logics and its
Application at SRM TRP Engineering College 29th May
2020

.National Level E Quiz on Pure Mathematics Vel Tech
High Tech June 2020

.International National Level Webinar on Graph Theory
and Human Factors in Aviation at G.Venkataswamy
Naidu College From 3rd June to 05th June 2020

.National Level Online FDP on Introduction to fuzzy sets
and its Generalization at MepcoSchlenk Engineering
College 10th June 2020

. National Level Webinar on Polynomials associated with
Graphs at Tirunelveli Dakshina Mara Nadarsangam
College 15th June 2020

. International Webinar on fourth State of matter and its
Application at G.Venkataswamy Naidu College 15th June
2020

. National Level Webinar on Graph Embedding at Don
Bosco College of Arts and Science 15th June 2020

. National Level E Quiz on Investment Management at
Saraswathi Narayanan College 17th June 2020

. National Level Webinar on Edge Colouring in Graphs at
Popes College (Autonomus) 18th June 2020

. National Level E Quiz Program on Economic Policies of Asia
– Pacific Nations against the impact of Covid 19 Pandemic
at Saraswathi Narayanan College 18th June 2020

- . National Level Webinar on statistics and Data Analysis at KPR Institute of Engineering and Technology 19th June 2020
- . National Level Webinar on Some New Direction in Graph Theory at S.T. Hindu College 19th June 2020
- . National Level Online Quiz on General Awareness at Tirunelveli Dakshina Mara Nadarsangam College 19th June 2020
- . National Level Webinar on Mind Set Management at The Standard Fireworks Rajaratnam College For Women 20th June 2020
- . National Level Webinar on Mathematical Analysis And Topology at G.Venkataswamy Naidu College 20th June 2020
- . National Level Webinar on Recent Trends in Graph Theory at Government Arts College from 22nd June 2020 to 24th June 2020
- . National Level English On line Quiz at Adhiparasakthi College of Engineering from 24th June 2020 to 30th June 2020
- . National Level E Quiz on Maths GK at Trinity College for Women 26th June 2020
- . National Level E Quiz on Maths in Data Science at Arul Anandar College from 26th June 2020 to 30th June 2020
- . International Level Webinar on Fractional system with Rossenblatt Process and Poison Jumps – Optimal at KPR Institute of Engineering and Technology 27th June 2020
- . National Level E Quiz on Mathematices at Thavathiru Santhalinga Adigalar Arts and Science College 28th June 2020
- . National Level Webinar on Recent Trends in Mathematices at Indian Institute of Technology 29th June 2020
- . National Level E Quiz on Mathematical Statistics at

Saraswathi Narayanan College from 1st July 2020 to 4th July 2020

- . National Level Webinar on Optimal Control of Partial Differential Equations and Application at Indian Institute of Technology 3rd July 2020
- . National Level Webinar on Mind Archives What it Conceives at G.T.N Arts College 4th July 2020
- . National Level Webinar on UngalKanavuMaipada at SFR College 6th July 2020
- . National Level E Quiz on Basic Linear Algebra at Virudhunagar HinduNadar'sSethukumaraNadar College(Autonomus) 6th July 2020
- . National Level E Quiz on Genius of Mathematics at Mangayarkarasi College of Arts and Science 8th July 2020
- . National Level Webinar on Soft Computing By Soft Sets at Don Bosco College of Arts and Science 10th July 2020
- . International Webinar on Resents Trends in Mathematics at Government Arts College from 10th July 2020 to 11th July 2020
- . National Level Webinar on Object Recognition Yolo/Mobile Net/Cloud at Khalsa College for Women 10th July 2020
- . National Level Webinar on Creative Digital Testing Materials at Tamil Nadu Teachers Education University 11th July 2020
- . National Level Webinar on Online Test For Effective Virtual Teaching and Learning at Stella Matutina College of Education 11th July 2020
- . National Level Webinar Series on Application of Mathematics at KPR Institute of Engineering and Technology from 6th July 2020 to 11th July 2020
- . National Level E Quiz on Quantitative Aptitude (Problems on Ages) For Placements And Competitive Exams at Yadava College 13th July 2020

. National Level Webinar Knowledge Series on Horizons in Research at Tamil Nadu Teachers Education University from 13th July 2020 to 17th July 2020

. International FDP On Prominence of Mathematics in Diverse Sectors at Hindustan College of Engineering and Technology 15th July 2020

. National Level Webinar on Teacher of the Day You too are Sculptors at Cholan College of Education 18th July 2020

XI. Academic Responsibilities (MTNC):

S.No	Name of position	From	To
1	N.S.S Programme Officer	2007	2010
2	ECO Club (convenor)	2010	2015
3	Soft Skill Development Programme Convenor	2014	2015
4	Women's Development Cell Convenor	2015	Till Date
5	Women's Hostel Warden	2016	2019
6	Calender Committee Convenor	2018	Till Date
7	Autonomy Committee Co-Convenor	2020	Till Date

XII. Faculty Development Programme/Conference Seminar Attended in MTNC:

. A One Day Faculty Development Programme on 4th March 2017

- . Two days Workshop on “Preparation for UGC CSIR NET Examination in Mathematics .” on 22nd and 23rd Sep , 2017
- . National Level Webinar on Online Teaching ,Learning and Assessment from 23rd October 2017 to 24th October 2017
- . National Level Faculty Development Programme on e-Content Development and Digital Tools from 2nd March 2018 to 3rd March 2018
- . One Day Workshop on Technicalities of Writing Research Proposal on 29th June 2018
- . National Level Faculty Development Programme on IPR , Skill Development Programmes , Innovations , Patents And Setting up Incubations Centres on 22nd 2019
- . One Day Faculty Development Programme on Promotion of API Score and CAS Filing on 2nd March 2019
- . A One Day Capacity Building Programme on Outcome Based Education On 28th Aug 2019
- . One Day Faculty Development Programme on Training and Production Workshop on prospects of Outcome Based Curriculum On 9th 2019
- . A One Day Workshop on Research Writing and Publications : Theory and Practice on 19th Oct , 2019
- . Faculty Development Programme on Promotion of API Score and Career Advancement Scheme on 3rd March 2020
- . A One Day Faculty Development Programme on 21st Century Skills on 5th March 2020
- . A One Day Faculty Development Programme on Quality Assurance and Sustenance in Higher Education on 11th March 2020
- . National Level E Workshop Cum E Quiz on Positive Thoughts and Ideal Life 28th May 2020
- . National Level E Quiz on Library and Information Science Life 29th May 2020

- . National Level E Quiz on Palam Tamil Illakkiyam 30th May 2020
- . National Level E Quiz For NET / SET Preparation in Physical Education 31st May 2020
- . National Level E Quiz on Fundamental Physics 1st June 2020

XIII: Acted as a Resource person

- Acted as resource person on APEX MATH -2021 in SermathaiVasan College for Women, Madurai on 11.08.2021

IX: Awards

- Dr.APJ Abdul Kalam Life Time Achievement National Award by National Institute of Socio Economic Development, on 31/10/2021.