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Name : Dr. C. Ganesan, M.Sc., M.Phil., Ph.D.  
Department : Mathematics  
Designation : Assistant Professor  
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Experience in Teaching :

1. From 22/08/2013 to Till date working as an Assistant Professor in the Department of Mathematics, V.H.N.S.N. College (Autonomous), Virudhunagar-626001
2. Worked as an Assistant Professor in the Department of Mathematics, Amrita School of Engineering, Amrita Vishwa Vidyapeetham (University), Coimbatore from 25/04/2011 to 28/06/2013

Experience in Research : 2006 onwards  
Education Qualification : M.Sc., M.Phil., Ph.D.

#### Titles of Dissertation

M.Sc. : Modelling of Shared Memory Multi Processor System: A shared Memory

## Multi Processor System

Ph.D. : “Generalized Function Spaces, Boehmian spaces and their Integral Transforms”

**Areas of Specialization:** Functional Analysis - Distributions and Integral transforms

Courses Attended:

1. Orientation Course

Participated in the orientation programme during 24<sup>th</sup> May 2016 to 20<sup>th</sup> June 2016 held at UGC-HRDC (ASC), Bharathiar University, Coimbatore.

2. Participated in the Refresher Course in Mathematics during 13<sup>th</sup> July 2018 to 2<sup>nd</sup> August 2018 held at UGC-HRDC, Bharathidasan University, Khajamalai Campus, Tiruchirappalli-620023

3. Participated in the Online Refresher Course in Mathematics during 07<sup>th</sup> July 2022 to 20<sup>th</sup> July 2022 held at UGC-HRDC, Pondicherry University, Puducherry.

Project:

Major	Funding Agency	Minor	Funding Agency

Seminars Organized as convenor / co-ordinator:

Workshop Organized as convenor / co-ordinator:

### **Seminars, Workshops and Conferences Attended**

International level Seminars / Workshops / Conference

1. Participated in the International Conference on Science, Engineering, Technology and Management (ICSETM-2017), during 8-9<sup>th</sup> March 2017 held at Kuriakose Elias College, Mannanam, Kottayam, Kerala-686561.
2. Participated in the International Conference on Algebra and Discrete Mathematics sponsored by the Department of Collegiate Education, Government of Kerala, UGC, CSIR, NBHM, KSCSTE, DST and organized by the Department of Mathematics, Government College, Kattappana during 4-6 March 2014

State/National level Seminars / Workshops / Conference

1. Participated in “State Level Workshop on “MATLAB & Its Tool Boxes” organized by Department of Mathematics, VHNSNC (Autonomous), Virudhunagar-626001 on 10<sup>th</sup> February 2020.
2. Attended the “State Level Seminar on Understanding Quantum Mechanics” Organized by the Department of Physics, VHNSNC (Autonomous), Virudhunagar during 29<sup>th</sup> August 2019 and 30<sup>th</sup> August 2019.
3. Participated in “One Day State Level Workshop on Reforms in Curriculum Design and Evaluation Based on OBE” organized by IQAC and Office of COE at SFR College for Women (Autonomous), Sivakasi on 27<sup>th</sup> July 2019.
4. Participated in One day National Level Seminar on Online Publishing, Plagiarism and Research Integrity held at V.H.N.S.N. College (Autonomous), Virudhunagar – 626001 on 15<sup>th</sup> February 2019.
5. Participated in the State level Sensitizing Workshop on Intellectual Property Rights (IPR) and Technology Licensing organized by IQAC, VHNSNC (Autonomous), Virudhunagar-626001 on 1<sup>st</sup> March 2019.
6. Participated in the Faculty Development Programme conducted under UGC- Autonomy Grant held at V.H.N.S.N. College (Autonomous), Virudhunagar – 626001 on 15-16 February 2017.
7. Participated in the State Level Conference on Applications of Mathematics held on 17<sup>th</sup> December 2016 at the Department of Mathematics(SF), V.H.N.S.N. College (Autonomous), Virudhunagar – 626001.
8. Participated in the National level Workshop on “The roll of National Skills Qualifications Framework (NSQF) in Designing the Curriculum” held on 29-30th September 2016 at V.H.N.S.N. College (Autonomous), Virudhunagar – 626001.

9. Participated in the One Day State Level Workshop on “Latex”, held at SBK College, Aruppukottai on 07/03/2015
10. Participated in Capacity Building Workshop on E-Content Development V.H.N.Senthikumar Nadar College (Autonomous) Virudhunagar on 11-15, March 2014
11. Participated in One day Seminar on Steering Mathematical Brains Towards Research V.V.Vanniaperumal College for Women (Autonomous) Virudhunagar on 30.11.2013.
12. Participated in the “One Day Seminar on Mathematical Analysis” held on 25<sup>th</sup> February 2010 in DDE, Madurai Kamaraj University, Madurai
13. Participated in the Workshop on “Geometry and Its Applications” held on September 8, 2006, at Department of Applied Mathematics and Statistics, School of Mathematics, Madurai Kamaraj University, Madurai
14. Participated in the Workshop on “Methods of Applied Statistics for Economists” held on October 14, 2005, at Department of Applied Mathematics and Statistics, School of Mathematics, Madurai Kamaraj University, Madurai
15. Participated in the Seminar on “Recent Trends in Graph Theory” held on March 5, 2004, at Department of Applied Mathematics and Statistics, School of Mathematics, Madurai Kamaraj University, Madurai
16. Participated in the National level Workshop on “The roll of National Skills Qualifications Framework (NSQF) in Designing the Curriculum” held on 29-30<sup>th</sup> September 2016 at V.H.N.S.N. College (Autonomous), Virudhunagar – 626001.
17. Participated in the “National Symposium on Curriculum Development at P.G. Level in Mathematics” during March 1-2, 2007, in the School of Mathematics, Madurai Kamaraj University, Madurai
18. Participated in the “National Instructional Workshop on Complex Analysis” during June 1-5, 2007, in the Department of Mathematical and Computational Sciences, National Institute of Technology Karnataka, Surathkal

19. Participated in the “22<sup>nd</sup> Annual Conference of Ramanujan Mathematical Society” during June 6-8, 2007, in the Department of Mathematical and Computational Sciences, National Institute of Technology Karnataka, Surathkal
20. Participated in the “National Conference on Non-linear Analysis and Mathematical Modelling (NAMM 2011)”, during March 29 and 30, 2011, in the School of Mathematics, Madurai Kamaraj University, Madurai – 625021.
21. Participated in the Four day national workshop on SPARSE Image Processing and Signal Processing (SISP) – 2011, during 23-26 December 2011, organized by Centre for Excellence in Computational Engineering and Networking, Amrita Vishwa Vidyapeetham, Coimbatore- 641112
22. Participated in the “National Conference on Applied Stochastic Methods” held on 26-27 February 2010 in School of Mathematics, Madurai Kamaraj University.

### **Papers Presented**

Paper Presented in National level Seminars / Workshops / Conference

1. Presented a paper in the “National Conference on Analysis and Graph Theory” held on March 9-10, 2007, at Department of Mathematics, Bharathidasan University, Tiruchirappalli

### **Books Published:**

Chapter in Book: -nil-

Books Edited: -nil-

### **Research Publications:**

Research Publications in National/International Journals

1. C Ganesan and MJ Ramachandran, One point compactification of generalized topological spaces, Afrika Matematika 30 (1-2), 345-353, (2019).
2. C Ganesan and R Muruga Jothi, A note on  $\theta$ -topological spaces, Questions and Answers in General Topology 37 (2), pp. 65-75, (2019).
3. C Ganesan and R Roopkumar, Convolution theorems for fractional Fourier cosine and sine transforms and their extensions to Boehmians, Communications of the Korean Mathematical Society, 31 (4), 791-809, (2016).
4. C Ganesan and R Roopkumar, On generalizations of Boehmian space and Hartley transform,

- Matematicki Vesnik 69(2), 133-143, (2016).
5. C Ganesan and R Roopkumar, Fourier cosine and sine transformable Boehmians, Kyungpook Mathematical Journal 54 (1), 43-63, (2014).
  6. C Ganesan, INTEGRABLE DISTRIBUTIONS AND  $\varphi$ -FOURIER TRANSFORM, Novi Sad J. Math 43 (2), 21-37, (2013)
  7. R Roopkumar, ER Negrin and C Ganesan , Fourier sine and cosine transforms on Boehmian spaces, Asian-European Journal of Mathematics 6 (01), (2013).
  8. C Ganesan, Weighted ultra distributions and Boehmians, Int. J. Math. Anal 4 (15), 703-712, (2010).
  9. V Karunakaran, C Ganesan and CP Devi, Boehmians and Compactly Supported Distributions, Advances in Applied Mathematical Analysis 5 (1), 17-22, (2010)
  10. V Karunakaran and C Ganesan , One point compactification for generalized quotient spaces, Applied general topology 11 (1), 21-27, (2010).
  11. V Karunakaran and C Ganesan, Fourier transform on integrable Boehmians, Integral Transforms and Special Functions 20 (12), 937-941, (2009).
  12. V Karunakaran and C Ganesan, Topology and the notion of convergence on generalized quotient spaces, Int. J. Pure Appl. Math 44, 797-808, (2008).
  13. V. Karunakaran and C.Ganesan, The Theory of Generalized Integral Transforms, Journal of Analysis 16, 19-31, (2008).
  14. R Roopkumar and C Ganesan, Fractional Hartley Transform on G-Boehmian Space, Bol. Soc. Paran. Mat. (IN PRESS).

#### Research Publications in Edited Books

Degree	Awarded	Submitted	Guiding
Ph.D.	-nil-	-nil-	2
M.Phil	21	-nil-	-nil-

#### Invited Lectures Delivered:

1. Attended and delivered a talk on “Differentiation” in the Two Day National Webinar on “Real Analysis” organized by the Department of Mathematics (PG and UG), Maris Stella College, Vijayawada, Andhra Pradesh on 19<sup>th</sup> and 20<sup>th</sup> January, 2021.
2. Inaugurated the Mathematics Association meeting held on 08.09.2021 (Wednesday) organized by Department of Mathematics, Thiruvalluvar College, Papanasam through video conferencing mode (Google Meet line: <http://meet.google.com/zah-sjqw-vhg>, Meet Id: zah-sjqw-vhg, Time:10.30 a.m to 12.00 p.m) . Also delivered a special lecture on the topic of “**Mathematics in Real Life**”
3. Delivered a guest lecture on “Role of Equivalence Relation to the Development of Mathematics” in the Virudhunagar District Cluster of Colleges Joint Faculty Programme

- conducted by Mathematics Department of A.K.D. Dharma Raja Women's College, Rajapalayam on 7<sup>th</sup> September 2019.
4. Delivered a guest lecture on "Brower's Fixed Point Theorem: Applications" at the Department of Mathematics, V.V.V. College for Women (Autonomous), Virudhunagar - 626001 on 4<sup>th</sup> July 2019.
  5. Delivered a guest lecture on "Mathematics Everywhere" at the Department of Mathematics, Virudhunagar M.S.P. Nadar College of Education on 23<sup>rd</sup> April 2019.
  6. Delivered a guest lecture on "Fundamentals of Analysis" at the PG and Research Department of Mathematics, Mannar Tirumalai Naicker College (Autonomous), Madurai-625 004 on 21<sup>st</sup> February 2019.
  7. Delivered a guest lecture on "Applications of Mathematics" at the Department of Mathematics, P.K.N. Arts and Science College, Tirumangalam on 20<sup>th</sup> February 2017.
  8. Delivered a guest lecture on "Mathematics Behind Image Processing" at the Department of Mathematics, A.K.D. Dharma Raja Women's College, Rajapalayam 5<sup>th</sup> January 2017.
  9. Delivered a special lecture on the preparation of NET/SET examinations at the Department of Mathematics, Saiva Bhanu Kshatriya College, Aruppukottai on 3<sup>rd</sup> September 2016.
  10. Delivered a special lecture on CSIR NET PRELIMS at the Department of Mathematics, The Standard Fireworks Rajaratnam College for Women, Sivakasi on 20<sup>th</sup> August 2016
  11. Delivered a guest lecture on "Applications of Mathematics in Engineering" for Math Club at the Department of Mathematics, Mepco Schlenk Engineering College, Sivakasi on 05/10/2015.
  12. Delivered guest lecture on the "Applications of Equivalence Relation" in the inaugural of UG Mathematics Association held on 4/10/2016 at Department of Mathematics, VVV College for Women, Virudhunagar.
  13. Felicitated the programme ALGANA-16 and delivered a guest lecture on "Mathematics Behind Image Analysis" held at the Department of Mathematics, SVN College, Nagamalai, Madurai - 19 on 11/02/2016.
  14. Delivered a Guest Lecture on "Signals and integral transforms" held at Nadar Saraswathi Arts and Science, Theni on 8-01-2015
  15. Delivered a Guest Lecture in the CSIR Training Programme, held at The Standard Fireworks Rajaratnam College for Women, Sivakasi on 18-11-2014
  16. Delivered a Lecture in the Abstract Algebra organised by the Department of Mathematics (Self-Financed), Holy Cross College (Autonomous), Nagercoil on 17-03-2014
  17. Gave an invited talk on "Mathematical Modeling" in a two days national seminar on "Science & Humanities in Engineering organized by Department of Science & Humanities at Sri Vidya College of Engineering & Technology, Sivakasi Main Road, Virudhunagar on 28-02-2014
  18. Gave an invited talk on "Real Analysis for PG and M.Phil Students" at Nirmala College for Women, during 29th March 2012
  19. Gave an invited talk on "Algebra for PG and M.Phil Students" at Nirmala College for Women, during 31th March 2012

20. Gave an invited talk on “Applications of Mathematics” Organized by the Department of Mathematics, Mary Matha College on 16th September 2011

### **Resource Person**

Acted as Resource Persons – International level

Acted as Resource Persons – National level

Acted as Resource Persons – State level

1. Acted as a Resource Person for the “One day State Level Workshop on Recent Trends in Fourier Analysis” Organized by Department of Mathematics, Sadakathullah Appa College (Autonomous), Palayamkottai on 10<sup>th</sup> September 2019.
2. Acted as a Resource Person in the “Workshop on Mathematical Analysis” organized by the Department of Mathematics, C.P.A. College, Bodinayakanur on 27<sup>th</sup> September 2019.
3. Served as a Resource person in the YSSP-2018 programme (23<sup>rd</sup> December 2018 – 06<sup>th</sup> January 2019) by VHNSNC (Autonomous), Virudhunagar-626 001.

Co-Ordinator:

Board of Studies Member:

- 2016-2017: Member in the UG-Board of Studies for B.Sc (Mathematics), S.V.N. College (Autonomous), Nagamalai, Madurai.
- 2015-2016: Member in the UG-Board of Studies for B.Voc, V.H.N.S.N. College (Autonomous), Virudhunagar.

Honours Achieved: NIL

### **Extension Activities:**

- Got involved in making Mathematical Model Lab in our campus with the Financial support of **UGC autonomy grant** during 2016-2019.
- Got involved in making Mathematical Model Lab in our campus with the Financial support of **DBT-STAR College Scheme** during 2022-2023.

### **Others:**

1. Served as an observer in the CBSE Board Exams conducted in ABCs KenBridge School (Centre Number 4168), Naranamangalam, Ramanathapuram District on 7<sup>th</sup> March 2019.
2. With the help of our department Faculty members I have initiated the coaching/problem



discussion classes for NET/SET Examinations for creamy-layer students of our Department during 2016-2017.