



Dr. C. GANESA MOORTHY
PROFESSOR

Contact

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Academic Qualifications: M.Sc., M.Phil., Ph.D., P.G.D.C.A

Sl. No	Degree	University	Year of Passing	Subject	Class
1.	B.Sc.	Madurai Kamaraj University	1981	Mathematics	First class
2.	M.Sc.	Madurai Kamaraj University	1983	Mathematics	First class
3.	M.Phil.	Anna University	1985	Mathematics	First class
4.	Ph.D.	Alagappa University	1995	Mathematics	Highly commended (Solved 50 year old Problem)

Teaching Experience: 34 Years

S.No	Institution	Position	Period	
			From	To
1	Anna University	Teaching Assistant	Nov.1983	Nov.1986
2	Alagappa University	Lecturer, Dept. of Mathematics	Feb.1988	Feb.1996
3	Alagappa University	Senior Lecturer, Dept. of Mathematics	Feb.1996	Feb.2000
4	Alagappa University	Reader, Dept. of Mathematics	Feb.2000	Feb.2008
5	Alagappa University	Professor, Dept. Of Mathematics	Feb.2008	Till Date

Research Experience: 30 Years

Additional Responsibility

1. **Member**, NAAC Steering Committee, Alagappa University, Karaikudi.
2. **Member**, Board of Studies, Department of Mathematics, Alagappa University, Karaikudi.
3. **Member**, Departmental Research committee, Alagappa University, Karaikudi.
4. **Member**, Stack verification committee, Alagappa University, Karaikudi.
5. **Member**, Affiliated Institutions Visiting committee, Alagappa University, Karaikudi.
6. **Member**, Quiz Programme Committee, Alagappa University, Karaikudi.

Areas of Research

1. Functional Analysis
2. Topology
3. Real Analysis
4. Operator Theory
5. Fixed Point Theory
6. Metaphysics

Research Supervision / Guidance

Research	Program of Study	Completed	Ongoing
	Ph.D.	14	2
M.Phil.	18	3	
PG	51	13	

M.Phil. & PG data – for last five years

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters
49	3	2	1	2 (<i>Book</i>)

Books:

1. G. Ramesh and C. Ganesa Moorthy, **Discrete Mathematics**, First Edition, HiTech Publications, 2003.
2. C. Ganesa Moorthy and G. Udhaya Sankar, **Planets and Electromagnetic Waves**, First Edition, Idea Publishing, 2018. (ISBN: 9789386518835, 938651883X)

Membership in

Academic Bodies

1. Member in **Board of studies** for **M.Sc** in Alagappa University, Bharthidasan University, VHNSN college, St. Xavier's college.
2. Member in **Board of studies** for **M.Phil** in Alagappa University, Bharthidasan University, VHNSN college, St. Xavier's college.

Editorial Board

1. **International Journal of Mathematical Analysis and Applications** (Publisher: *American Association for Science and Technology*)
2. **Earthline Journal of Mathematical Sciences** (Publisher: *Earthline Publishers*)
3. **Journal of Physics: Conference Series** (Reviewer, Publisher: *IOP Publishing*)

Resource persons in various capacities

Number of Invited / Special Lectures delivered: 36

Publications

1. **C. Ganesa Moorthy**, (1992). A problem of Good on Hausdorff dimension, *Mathematika*, 39(2), 244-246.
2. **C. Ganesa Moorthy**, R. Vijaya, and P. Venkatachalapathy, (1992). Hausdorff dimension of Cantor-like sets, *Kyungpook Mathematical Journal*, 32(2), 197-202.
3. **C. Ganesa Moorthy**, S. Vimala, (1998). A problem of V.K. Srinivasan on Lebesgue-Stieltjes measurable sets, *Journal of Analysis*, 6(1), 75-79.
4. **C. Ganesa Moorthy**, (2001). On the connectedness of the plus topological spaces, *Proceedings of the international conference on analysis and applications*, 63-66.
5. **C. Ganesa Moorthy** and KT. Rajambal, (2001). A general compactification for Hausdorff spaces, *Proceedings of the international conference on analysis and applications*, 67-71.
6. **C. Ganesa Moorthy** and N. Sridharan, (2003). Code and wave addition in graphs, *Proceedings of a conference on graph theory and its applications*, 156-159.
7. **C. Ganesa Moorthy** and P. Sam Johnson, (2004). Closed range multiplication operators, *Mathematical Analysis and Applications*, 133-136.
8. **C. Ganesa Moorthy** and P. Sam Johnson, (2004). Composition of closed range operators, *Journal of Analysis*, 12(1), 165-169.
9. **C. Ganesa Moorthy** and P. Sam Johnson, (2006). Composition of operators with closed range, *Journal of Analysis*, 14(1), 79-80.
10. N. Marikkannan, P. Sooriyakala and **C. Ganesa Moorthy**, (2007). Certain applications of differential subordination and superordination, *International journal of pure and applied mathematics*, 34(4), 549-561.
11. N. Marikkannan, A. Gangadharan, and **C. Ganesa Moorthy**, (2007). Generalized hypergeometric functions defined on the class of univalent functions, *The Australian Journal of mathematical analysis and applications*, 4(1), 1-10.
12. N. Marikkannan and **C. Ganesa Moorthy**, (2008). On applications of differential subordination and superordination, *Tamkang Journal of Mathematics*, 39(2), 155-164.
13. **C. Ganesa Moorthy**, N. Marikkannan and M.P. Jayaraman, (2008). Applications of differential subordination and superordination, *Journal of the Indonesian Mathematical Society*, 14(1), 47-56.
14. S.S. Dhenakaran, ER. Naganathan and **C. Ganesa Moorthy**, (2008). Multiple symmetric keys using Banach fixed point theorem, *Journal of Discrete Mathematical Sciences & Cryptography*, 11(5), 579-587.

15. **C. Ganesa Moorthy** and P. Xavier Raj, (2008). Contraction mappings with variations in domain, *Journal of Analysis*, 16(1), 53-58.
16. **C. Ganesa Moorthy** and C.T. Ramasamy, (2008). Unbounded Multiplication operators with closed range, *Journal of Analysis*, 16(1), 59-65.
17. S. Ramkumar and **C. Ganesa Moorthy**, (2009). Closedness of Projections, *Proceedings International Seminar on Recent Trends in Topology & its applications*, 157-160.
18. C.T. Ramasamy and **C. Ganesa Moorthy**, (2009). Compact nonlinear mappings in metric spaces, *Proceedings, International Seminar on Recent Trends in Topology & its applications*, 133-136.
19. **C. Ganesa Moorthy** and P. Tamizharasi, (2010). Cardinality, ideals and separation axioms, *International Journal of Contemporary Mathematical Sciences*, 5(46), 2277-2283.
20. **C. Ganesa Moorthy** and C.T. Ramasamy, (2010). Characterizations of strictly singular and strictly discontinuous operators on locally convex spaces, *International Journal of Mathematical Analysis*, 4(25), 1217-1224.
21. **C. Ganesa Moorthy** and P. Tamizharasi, (2011). Product of ideal connected spaces, *Asia-European Journal of Mathematics*, 4(3), 437-443.
22. **G. Ganesa Moorthy** and P. Tamizharasi, (2011). Strong connectedness via ideals, *International Journal of applied Computational Science and Mathematics*, 1(1), 57-65.
23. S. Ramkumar and **C. Ganesa Moorthy**, (2011). A construction for topological extensions, *Asia-European Journal of Mathematics*, 4(3), 481-494.
24. **C. Ganesa Moorthy** and P. Tamizharasi, (2011). I – linearly linked I – connect subsets, *International Journal of Mathematical Analysis*, 5(11), 533-538.
25. S.Ram Kumar and **C. Ganesa Moorthy**, (2012). A construction for semi-compactifications, *Asia-European Journal of Mathematics*, 5(1), 1250008-7.
26. **C. Ganesa Moorthy** and P. Tamizharasi, (2012). I – lower semi continuous functions, *Journal of Advanced Studies in Topology*, 3(1), 1-4.
27. **C. Ganesa Moorthy** and C.T. Ramasamy, (2013). Characterizations of strong strictly singular operators, *Chinese Journal of Mathematics*, 2013, (4 pages) Article ID 834637.
28. S.Ram Kumar and **C. Ganesa Moorthy**, (2013). Extendability of semi-metrics to compactifications, *Asian-European Journal of Mathematics*, 6(1), 1350015-5.
29. S. Iruthaya Raj and **C. Ganesa Moorthy**, (2013). Weak convergence of fixed point iterations in metric spaces, *Journal of Nonlinear Analysis and Optimization*, 4(2), 189-192.
30. **C. Ganesa Moorthy** and SG.Karpagavalli, (2014). A representation for minimum congruences in lattices, *International Research Journal of Pure Algebra*, 4(10), 614-616.
31. SG.Karpagavalli and **C. Ganesa Moorthy**, (2014). An internal construction for congruence relation in lattices, *ISOR Journal of mathematics*, 10(3), 44-46.

32. **C. Ganesa Moorthy** and C.T. Ramasamy, (2014). Disjointness preserving functional type disjointness preserving operators, *Chinese Journal of Mathematics*, 2014, (4 pages) Article ID 838692.
33. **C. Ganesa Moorthy** and C.T. Ramasamy, (2014). Uniform boundedness principle for unbounded operators, *Acta Mathematica Universitatis Comeniana*, 83(2), 317-320.
34. **C. Ganesa Moorthy** and SG.Karpagavalli, (2015). A completion for distributive lattices, *IOSR Journal of mathematics*, 11(2), 73-75.
35. **C. Ganesa Moorthy** and C.T. Ramasamy, (2015). Strictly unbounded operators on normed spaces, *Asia-European Journal of Mathematics*, 8(3), 1550056-7.
36. **C. Ganesa Moorthy** and SG.Karpagavalli, (2015). A congruence relation in partially ordered sets, *Thai Journal of Mathematics*, 13(2), 399-403.
37. S. Loganathan and **C. Ganesa Moorthy**, (2016). A net convergence for Schauder bases, *Asia-European Journal of Mathematics*, 9(1), 1650010-33.
38. T. Kannan and **C. Ganesa Moorthy**, (2016). A right inverse function for Collatz function, *International Journal of Mathematics And Its Applications*, 4(2), 85-90.
39. S. Loganathan and **C. Ganesa Moorthy**, (2016). Block convergence of series in topological vector spaces, *Journal of analysis and Number Theory*, 4(1), 61-69.
40. T. Kannan and **C. Ganesa Moorthy**, (2016). Collatz conjecture modulo an integer, *International Journal of Mathematics And Its Applications*, 4(3), 41-61.
41. **C. Ganesa Moorthy**, G. Udhaya Sankar and G. Rajkumar, (2016). Rotating bodies do have magnetic field, *International Journal of Scientific research in Science, Engineering and Technology*, 2(6), 155-156.
42. G. Udhaya Sankar, **C. Ganesa Moorthy**, and G. Rajkumar, (2016). Global magnetic field strengths of plants from a formula, *International Journal of Scientific research in Science, Engineering and Technology*, 2(6), 366-367.
43. T. Kannan and **C. Ganesa Moorthy**, (2016). Two methods to approach to Collatz conjecture, *International Journal of Mathematics And Its Applications*, 4(1), 161-167.
44. **C. Ganesa Moorthy** and C.T. Ramasamy, (2017). Pringsheim convergence of double sequences for uniform boundedness principle, *Asia-European Journal of Mathematics*, 10(4), 1750080-4.
45. **C. Ganesa Moorthy**, G. Udhaya Sankar and G. Rajkumar, (2017). A VELOCITY INDEX FOR EXISTENCE OF ATMOSPHERE IN A PLANET, *Indian Journal of Scientific Research*, 13(1), 09-10.

46. **C. Ganesa Moorthy**, G. Udhaya Sankar and G. Rajkumar, (2017). WHAT IS THE POLARITY OF AN ELECTROMAGNETIC WAVE?, *Indian Journal of Scientific Research*, 13(1), 255-256.
47. **C. Ganesa Moorthy**, G. Udhaya Sankar and G. Rajkumar, (2017). A design for charging sections of electrostatic precipitators by applying a law for electric field waves, *Imperial Journal of Interdisciplinary Research*, 3(6), 842-844.
48. **C. Ganesa Moorthy**, G. Udhaya Sankar and G. Rajkumar, (2017). LIGOs detected magnetic field waves; not gravitational waves, *Imperial Journal of Interdisciplinary Research*, 3(8), 268-269.
49. **C. Ganesa Moorthy**, G. Udhaya Sankar and G. Rajkumar, (2017). Simplified interpretation for Einstein's energy mass relation, *Imperial Journal of Interdisciplinary Research*, 3(9), 538-539.
50. **C. Ganesa Moorthy**, G. Udhaya Sankar and G. Rajkumar, (2017). Two expressions for electrostatic forces and for magnetic forces to classify electromagnetic waves, *Imperial Journal of Interdisciplinary Research*, 3(10), 706-709.
51. **C. Ganesa Moorthy**, G. Udhaya Sankar and G. Rajkumar, (2018). Why do distant planets have speedy winds?, *Imperial Journal of Interdisciplinary Research*, 4(1), 366-369.
52. G. Udhaya Sankar, **C. Ganesa Moorthy** and G. Rajkumar, (2018). Synthesizing graphene from waste mosquito repellent graphite rod by using electrochemical exfoliation for battery/supercapacitor applications, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 40(10), 1209-1214.
53. **C. Ganesa Moorthy**, G. Udhaya Sankar and G. Rajkumar, (2018). Temperature of black holes and minimum wavelength of radio waves, *International Journal of Scientific research in Science, Engineering and Technology*, 4(4), 1104-1107.
54. G. Udhaya Sankar, **C. Ganesa Moorthy** and G. Rajkumar, (2018). A suggestion for a good anode material synthesized and characterized, *Discovery*, 54(271), 249-253.
55. **C. Ganesa Moorthy** and S. Iruthaya Raj, (2018). Large open filter bases for fixed points, *Engineering Mathematics Letters*, 2018(2), Article ID 2.