Dr. Sr.Bindhu K.Thomas

Assistant Professor

Department of Mathematics

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Educational Qualifications: B. Sc.Mathematics (Mary Matha Arts and Science College,

Mananthavady, 1998)

M. Sc. Mathematics(St. Joseph's College, Devagiri, Calicut,

2001)

B. Ed (Kannur University, 2002)

M. Phil in Mathematics, (University of Calicut , 2004)

Ph. D in Mathematics , (Kannur University, 2010)

Teaching Experience:　　 B. Sc. Mathematics: 12 Years

M. Sc. Mathematics: 7 Years.

Specialization:　　　　　 Discrete Mathematics. Ph. D Thesis on ' Advanced Studies on

Labeling of Graphs and Hypergraphs and related topics.'

Research Experience:

Published/ Accepted Research Papers

1. Bindhu K. Thomas and Germina K. A, Distance Compatible Set-Labeling index of Graphs, Int. J. Contemp. Math. Sciences, Vol. 5, 2010, No. 19, pp911-919.

2. Bindhu K. Thomas Jisha Elizabath Joy and Germina K. A., On Sequential Topogenic Graphs, Proce. International conference on Mathematics and Computer Science, 5-6, Feb, 2010, pp 131-134.

3. Bindhu K.Thomas and Germina K. A, (k,r)-arithmetic distance compatible set-labeling of graphs, Proce. International conference on Mathematics and Computer Science, 5-6, Feb, 2010, pp 139-144.

4. Bindhu K. Thomas and Germina K. A, Distance Compatible Set-Labeling of Trees, Proce. National Seminar on discrete Mathematics and its Applications, 19-21-3-2009, pp 89-96.

5. Bindhu K.Thomas and Germina K. A., Distance Compatible Set-Labeling of Graphs: Extended Abstracts, , Proceedings (Eds: B. D. Acharya, K. A. Germina and R. Natrajan), National workshop on Graph Theory Applied to Chemistry , CMS, Pala, 1-3 February ,2010, pp. 99-101

6. Bindhu K. Thomas and Germina K. A, (k,r)-Arithmetic DCSL Labeling of Graphs, International Mathematical Forum, 5(2010),No.45,pp 2237-2247.

7. Bindhu K. Thomas and K.A. Germina, On Bitopological Gaphs, International Journal of Algorithms,Computing and Mathematics, 2011.

8. Bindhu K. Thomas, Estimation of Bitopological Index of Trees, International Journal of Innovation in Science and Mathematics, Volume 3, Issue 6, November, 2015

9. Bindhu K.Thomas, Bitopological Graphs and Digraphs, Proceedings of the International conference on recent trends in Graph Theory & Combinatorics, CUSAT, Kochi, 26-29 April, 2018.

10. Bindhu K.Thomas and Jimly Manuel, Vertex triangular Graphs, International Journal of Engineering, Science and Mathematics, Vol,7, Issue 10, October, 2018.

Research Projects completed

1. Junior research fellow in the Mathematics Research Centre , Mary Matha Arts and Science College, for two years under the major research project on the topic " Set-Valuations of Graphs and their Applications" , sponsored by Department of Science and Technology, New Delhi.

2. Minor Research Project : "Topologies on Graphs and Hypergraphs" funded by UGC

Research Guidance

Details of research scholars under guidance at Kannur University.

Part Time

1. Binoy Joseph- A Study on Information security using Graph Theory.
2. Jimly Manuel- Studies on Labeling of Graphs and Digraph associated with Finite Group
3. Santhoshkumar- A Topological perspective of Graph Theory
4. Asharaf P A- Advanced Studies on Graph Polynomials

Seminar/ Workshops Attended:
1. Second Indo-US Lecture Series on Discrete Mathematical Chemistry (with applications to drug discovery, environmental protection, genomics, and proteomics) and The First

International Lecture Series on Discrete Mathematical Chemistry, Biology and Physics, with special reference to Computational Models organized at the Research Department of Mathematics, Mananthavady, held during June 20-25, 2007.

2. International Workshop On Graph Labeling-2009, January 07-10, 2009, Kalaisalingam University, Krishnankoil, Tamilnadu.

3. National Seminar on Discrete Mathematics and its Applications, March 19-21, 2009, PG Department of Mathematics, Govt. Brennen College, Thalassery, Kerala.

4. Fifth Annual Instructional Conference of ADMA & Graph Theory Day V (ACADMA-2009), June 8-10, 2009, Periyar University, Salem, Tamilnadu.

5. National Seminar on Topology and its Application to Computer Science and Related Areas. Department of Mathematical Sciences, Kannur University, 25-26 November, 2009.

6. National workshop on Graph Theory Applied to Chemistry , CMS, Pala, 1-3 February, 2010.

7. International Conference on Mathematics and Computer Science, Department of Mathematics, Loyola College , Chennai, 5-6 February, 2010.

8. International workshop on Set-Valuations, Signed graph s, Geometry and Applications, Mathematics research Centre, Mary Matha Arts & College, Mananthavady, 2-6 September, 2011.

9. Workshop for finalizing the syllabus for UG and PG programmes under CCSS at Kannur University Office, Mangattuparamba on 29-11-2013

10. Workshop on Topological Dynamics conducted by School of Mathematical Sciences and Physical Sciences, Central University of Kerala, 19-21 February, 2014.

11. Orientation Programme at UGC ASC, Kannur University, 12-11-2014 to 9-12-2014

12. Workshop for coordinators and internal mentors of walk with a scholar programme at Mary Matha arts and Science College, Mananthavady on 28,January, 2016.

13. Nature Education Camp conducted by wayanad wildlife division at Tholpetty, 21-23 February, 2016.

14. Refresher Course in Soft skills and Personality Development conducted by HRDC Centre, Mysore, 17-2-2017 to 9-3-2017.

15. Faculty Development Programme in Concept coaching organized by ICT Accademy of Kerala, 24-25, March, 2017.

16. Two day workshop conducted for programme officers of NSS from 8-6-2017 to 9-6-2017 at Kannur University, Thavakkara.

17. Orientation Course for the PO;s of NSS conducted by Empaneled Training Institute, Rajagiri College of Social Science, 12-18 July, 2017.

18. National Seminar on "Recent Developments in Graph Theory and its Applications." Conducted by Govt.Arts and Science College, Kondotty, 22-23, October, 2018

Paper/ Poster presentations

1. Presented a paper entitled Distance Compatible Set-Labeling of Trees at the National Seminar on Discrete Mathematics and its Applications, March 19-21, 2009, PG Department of Mathematics, Govt. Brennen College, Thalassery, Kerala.

2. Presented a paper entitled Distance Compatible Set-Labeling of Graphs at the National workshop on Graph Theory Applied to Chemistry , CMS, Pala, 1-3 February, 2010.

3. Presented a paper entitled (k,r)-arithmetic distance compatible set-labeling of graphs at the International Conference on Mathematics and Computer Science, Department of Mathematics, Loyola College , Chennai, 5-6 February, 2010.

4. Presented a paper entitled On Sequential Topogenic Graphs at the International Conference on Mathematics and Computer Science, Department of Mathematics, Loyola College , Chennai, 5-6 February, 2010.

5. Poster presentation on Bitopological Graphs and Digraphs at the International conference on recent trends in Graph Theory & Combinatorics, CUSAT, Kochi,26-29 April, 2018.

6. Presented a paper entitled Topogenic Digraphs at National Seminar on "Recent Developments in Graph Theory and its Applications." Conducted by Govt.Arts and Science College, Kondotty, 22-23, October, 2018.