	Name	SONA JOSE
	Designation	ASST.PROFESSOR
	Qualification	M.Sc. , Ph.D
	Area of Specialisation	Graph Theory

Educational Qualifications

Name of Course	Institution	University/ Board	Year of Study	Subject/Group
Master's Degree	Newman College Thodupuzha	M.G Univesity, Kerala	2006-2008	Mathematics
Ph. D	Centre for Mathematical Sciences, Pala	Anna University of Technology, Chennai	2009-2014	Graph Theory

Research Experience

- Worked as a Senior Research Fellow in Centre for Mathematical Sciences, Pala from 2009 onwards
- Guided students from various institutions to complete their Project Works.

Teaching Experience

- Worked as guest lecturer (Department of Mathematics) in Newman College Thodupuzha from 03- 08- 2012 to 13- 09- 2012.
- Worked as Assistant professor (Department of Mathematics) in Baselios Thomas-I Catholicose College of Engineering & Technology, Koothattukulam from July 2013 to December 2013.

Papers published/ Accepted

- Alphy Joseph, Germina K.A., Sona Jose, (2010), "Distance Neighbourhood Pattern Matrices in Graphs" *EJPAM*, 3, 4, 748-764.
- Sona Jose, Germina K.A., Alphy Joseph,(2010) "Characterization of Distance Pattern Distinguishing Trees Using Matrices", *Proceedings of The First International Conference on Mathematics and Statistics,* (AUS-ICMS'10).
- Germina K.A. and Sona Jose, (2011), "Distance neighbourhood pattern matrices of trees", *International Mathematical Forum*, 6, 12, 591-604.
- Germina K. A. and Sona Jose, (2011), "Identifying graph automorphisms using dpd-sets", *Proceedings of International Conference on Algebra and its Applications*, (ICOAA 2011).
- Germina K.A. and Sona Jose, (2012), "A creative review on distance pattern distinguishing sets in a graph", *Journal of combinatorics, Information and system Sciences*, 35, 219-228.
- Sona Jose and Germina K. A., (2014), On the distance pattern distinguishing number of a graph, *Journal of Applied Mathematics*, Hindawi Publishing corporation, Vol. 2014.

Papers presented in International/National Conferences

- "**Characterization of Distance Pattern Distinguishing Trees Using Matrices**" on The First International Conference on Mathematics and Statistics (AUS-ICMS'10), Sharjah, UAE, March 18-21, 2010.
- "**Distance Neighbourhood Pattern Matrix of Trees**" on The National Workshop on Graph theory Applied to Chemistry, Pala, India, February 1-3, 2010.
- "**Distance Neighbourhood Pattern Matrix of Trees**" on The National Workshop on Graph theory Applied to Chemistry, Pala, India, February 1-3, 2010.
- "**DPD-sets of a graph**" in International Confernce on Mathematical Sciences in Honour of Professor A.M. Mathai organized by the Department of Statistics, St. Thomas College, Pala, January 3-5, 2011.
- "**A Study on Some Properties of DPD-Graphs**", on International Workshop on Set-Valuations, Signed Graphs, Geometry and Applications, Mananthavady, India, September 2-6, 2011.

  "Identifying Graph Automorphisms Using dpd-sets", on International Conference on Algebra and Its Applications, Periyar Maniammai University, Thanjavur, Tamilnadu India, December 14-15, 2011.