Faculty Profile of Dr.D.KALAMANI

Dr.D.KALAMANI
Associate Professor - Department of Mathematics

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Mobile No:9842115150

Research Area

- Fuzzy Lattice
- Algebra
- Algebraic Graph Theory
- Image Processing

Education

Ph. D.
Subject : Mathematics
Institution :

Affiliated University : Bharathiar University,Coimbatore
Year of Award : 2008

M.Phil.,
Subject : Mathematics
Institution :
Affiliated University : Bharathiar University,Coimbatore
Year of Award : 1997

M. Sc.,
Subject : Mathematics
Institution :
Affiliated University : Bharathiar University,Coimbatore
Year of Award : 1992

B. Sc.,
Subject: Mathematics
Institution:
Affiliated University: Bharathiar University,Coimbatore
Year of Award: 1990

Career

At Bharathiar University (Reverse Order)

- Associate Professor, Department of Mathematics, Bharathiar University Post Graduate Extension and Research Centre, Erode. (Aug 2015 - Till date)

Past Experience

- Associate Professor, Department of Mathematics, Kongu Engineering College, Perundurai (Aug 2010 – Aug 2015)
- Assistant Professor, Department of Mathematics, Kongu Engineering College, Perundurai (Jan 2009 – Jul 2010)
- Lecturer (Senior Grade), Department of Mathematics, Kongu Engineering College, Perundurai (Jan 2004 – Dec 2008)
- Lecturer, Department of Mathematics, Kongu Engineering College, Perundurai (Aug 1997 – Dec 2003)

Awards

- Srinivasa Ramanujan Mathematical Competition Award (2014) - Indian Society of Technical Education, New Delhi - Zonal level – III place / National Level – II place
- Srinivasa Ramanujan Mathematical Competition Award (2013) - Indian Society of Technical Education, New Delhi - Zonal level – I place / National Level – III place
- M.Sc. – Gold Medal - 1992 - Bharathiar University Rank I - Nirmala College for Women, Coimbatore

Membership

- Indian Society for Technical Education(ISTE)

Visits

Collaborators

Others

Projects

Research Guidance

Ph.D.

Accordion content 1.

M.Phil.

Accordion content 2.

PG

Accordion content 1.

UG

Not Applicable.

Research Publication

Journal Publications - International

G. Ramya, , D. Kalamani, "Domination Number of the Product Maximal
Graph of the Finite Commutative Ring", South East Asian Journal of
Mathematics and
Mathematical Sciences {Accepted}

D. Kalamani, , G. Ramya, "Graph theoretic properties of PMG and
Resistance distance based Indices" Advances and Applications in Mathematical
Scinces
{Accepted}

D. Kalamani, , G. Ramya, "Product Maximal Graph of a Finite
Commutative Ring", Bulletin of Calcutta Mathematical Society, Vol. 113, No. 2,
127 – 134,2021

G. Ramya, , D. Kalamani, "Some Cordial Labeling for Commuting Graph of
a Subset of the Dihedral Group", Malaya Journal of Matematik , Vol. 9, No. 1,
461-464, 2021

D. Kalamani, G. Kiruthika, "Subdivision Vertex Corona and Subdivision
Edge Corona of Cyclic Graph", International Journal of Advances in

mathematics: Scientific journal, Vol. 9, no.2, 607–617, 2020

G. Kiruthika, D. Kalamani, "Degree Based Vertex Partition of the Power Graph of the Finite Cyclic Group", Malaya journal of Mathematik, Vol. S, No. 1, 66-71,2020

Journal Publications - National

Accordion content 2.

Conference

D. Kalamani, C,V,Mythily, "S-Prime Ideal Graph of a Finite Commutative Ring",International conference on Multidisciplinary Research in Sciences and Humanities,
Vasireddy Venkatadri Institute of Technology, Nambur, Andhrapradesh ,
17.02.2022, 18.02.2022

G. Ramya, D. Kalamani, "Domination Number of The Product Maximal Graph of the Finite Commutative Ring", International conference on Mathematical Modeling
Analysis and Computing, Thiruvalluvaur University, 08.07.2021, 09.07.2021

D. Kalamani, G, Ramya, "Sum cordial labeling for commuting graph of a subset of the dihedral group", International conference on recent evolution and adaptable
technologies in Engineering, Erode Sengunthar Engineering College,
Erode, 29.09.2020, 30.09.2020

G.Kiruthika, D.Kalamani, "Degree based partition of the power graph of the finite abelian group", International conference on Algebra and its Applications, Bharathiar
University, Coimbatore, 21/02.2020, 22.02.2020

D. Kalamani, G. Kiruthika, "Subdivision vertex and subdivision vertex Neighbourhood Corona of the Cyclic graphs", International Conference on Current
scenario in Pur and Applied Mathematics, Kongunadu Arts and science

College,Coimbatore, 30.01.2020, 31.01.2020

D.Kalamani G.Kiruthika, "Topological Indices of Power Graph of a Finite Abelian Group", International Conference on Algebra, Analysis and their Applications,
Madurai Kamaraj University, Madurai, 09.01.2020 to 12.01.2020

D.Kalamani, G.Kiruthika, "Topological Indices of k-Gamma Graphs", International Conference on Emerging Trends in Graph Theory, CHRIST Deemed University,
Bangalore, 27.02.2019 & 28.02.2019

D.Kalamani, T.. Geetha, "Even-even Graceful Labeling of Some Graphs", National Seminar on Innovative Trends in Mathematics and its Applications, Sengunthar Arts and Science College, Tiruchengode, 02.02.2018

J.Revathi, D.Kalamani K.Arun Prakash, "Intuitionistic Fuzzy Absorbent Filters of Lattice Implication Algebras", International Conference on Applied Mathematics
and Informatics, Kongu Engineering College, Perundurai, 17.03.2017 & 18.03.2017

Books / Book Chapters
- Dr.D.Kalamani, "Fuzzy Lattice Neural Model and Fuzzy Equivalence Relation Model", Lap Lambert Academic Publishing, Germany, 2011
- Dr.D.Kalamani, "All-in-one Anna university syllabus for semester – I ", Wiley- India Pvt. Ltd, 2012