

NAME: Dr. Bijo S. Anand

DESIGNATION: Assistant Professor

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EDUCATIONAL QUALIFICATION: M.Sc. B.Ed.,UGC-JRF, SET, Ph.D.

AREA OF INTEREST: Graph Theory

SPECIALISATION: Graph Products, Graph Convexity, Metric Graph Theory

TEACHING EXPERIENCE: 10 Years and 8 Months

Designation	Institution	Period
Assistant Professor	Sree Narayana College, Nattika, Thrissur	2010 to 2013
Assistant Professor	Sree Narayana College for Women, Kollam	2013-2015
Assistant Professor	Sree Narayana College, Punalur	2015-Till date

Research Guide, University of Kerala

ADMINISTRATIVE POSITIONS HELD:

1. Research Promotion Cell- Member
2. Project Monitoring Committee(RUSA 2019)-Member
3. Publication Committee-Member
4. Department Level Monitoring Committee-Member
5. Young Innovators Programme- Facilitator
6. WWS-Mentor

PUBLICATIONS

Peer-Reviewed Journal Articles

1. **Bijo S. Anand**, S. V. Ullas Chandran, Manoj Changat, Mitre Costa Dourado, Ferdoos Hossein Nezhad, Prasanth G. Narasimha-Shenoi: On the Carathéodory and exchange numbers of geodetic convexity in graphs. Theor. Comput. Sci. 804: 46-57 (2020).
2. **Bijo S. Anand**, Arun Anil, Manoj Changat, Mitre Costa Dourado, Sabeer Sain Ramla: Computing the hull number in Δ -convexity. Theor. Comput. Sci. 844: 217-226 (2020)
3. **Bijo S. Anand**, Prasanth G. Narasimha-Shenoi, Sabeer Sain Ramla: Δ -Convexity Number and Δ -Number of Graphs and Graph Products. CALDAM 2020: 209-218
4. **Bijo S. Anand**, S. V. Ullas Chandran, Manoj Changat, Sandi Klavzar, Elias John Thomas: Characterization of general position sets and its applications to cographs and bipartite graphs. Appl. Math. Comput. 359: 84-89 (2019)
5. **Bijo S. Anand**, Manoj Changat, S. V. Ullas Chandran: The Edge Geodetic Number of Product Graphs. CALDAM 2018: 143-154
6. **Bijo S. Anand**, Manoj Changat, Prasanth G. Narasimha-Shenoi: Helly and exchange numbers of geodesic and Steiner convexities in lexicographic product of graphs. Discret. Math. Algorithms Appl. 7(4): 1550049:1-1550049:12 (2015)
7. **Bijo S. Anand**, Manoj Changat, Iztok Peterin, Prasanth G. Narasimha-Shenoi: Some Steiner concepts on lexicographic products of graphs. Discret. Math. Algorithms Appl. 6(4) (2014)
8. **Bijo S. Anand**, Kannan Balakrishnan, Manoj Changat and Iztok Peterin, Atoms And Clique Separators in Graph Products, Applicable Analysis and Discrete Mathematics Vol. 6(1), 46-62(2012)
9. **Bijo S. Anand**, Manoj Changat, Sandi Klavzar, Iztok Peterin: Convex Sets in Lexicographic Products of Graphs. Graphs Comb. 28(1): 77-84 (2012)

Submitted Articles

1. Prasanth G. Narasimha-Shenoi, Mary Shallet T. J, **Bijo S. Anand**: Boundary-type Sets of Strong Product of Directed Graphs.
2. **Bijo S. Anand** , Mitre C. Dourado , Prasanth G. Narasimha-Shenoi , Sabeer S. Ramla, On the Δ -interval and Δ -convexity numbers of graphs and graph products.

Reviewer

1. AMS(American Mathematical Society) : 15 papers reviewed as on 31-11-2020
2. zbMATH- Zentralblatt Math: 07 papers reviewed as on 31-11-2020

Referee of International Journals: 2

AWARDS AND HONOURS

2017- Indian Mathematical Conference Prize, for securing highest percentage of marks in M.Sc. Mathematics-2006.

GRANTS AND FELLOWSHIPS

2018-2010: UGC-JRF

INVITED TALKS

1. National Seminar on Number Theory, Discrete Mathematics, and their Applications, Organised by Department of Mathematics, Sree Narayana College, Nattika, Thrissur, Kerala, India, Sponsored by UGC, 18th and 19th February 2016

Papers Presented

1. **Bijo S. Anand**, Prasanth G. Narasimha Shenoi, Inverted Distance and Graph Products, National Conference on Discrete Structures and its Applications (ASA-2016) , Department of Mathematics, LBS Institute of Tecnology for Women , Thiruvananthapuram, Kerala. 29th and 30th September 2016.
2. **Bijo S. Anand**, Manoj Changat, Iztok Peterin Prasanth G. Narasimha-Shenoi, Some Steiner concepts on lexicographic products of graphs, Indo-Slovenia Conference on Graph Theory and Applications(Indo-Slov 2013), Organized by Department of Futures Studies, University of Kerala in association with Graph Theory Research Group, University of Maribor and Institute of Mathematics, Physics and Mechanics, Lubljana, Slovenia, 22nd to 24th February 2013.
3. **Bijo S. Anand**, Kannan Balakrishnan, Manoj Changat, Iztok Peterin, Atoms and Clique Separators in Graph Products, International Workshop on Graph Products: Structure and Algorithms, Organized by Department of Futures Studies University of Kerala, in association with Department of Science and Technology, Government of India, Institute of Mathematics, Physics and Mechanics, Lubljana and Ministry of Science, Technology and Education, Government of Slovenia, 7th and 8th February 2012

Poster Presentations

1. **Bijo S. Anand**, Manoj Changat, Atoms and Clique Separator in Graph Products, ICRTGC-International Conference on Recent Trends in Graph Theory and Combinatorics,(A Satellite Conference of the International Congress of Mathematics-ICM 2010), Department of Mathematics Cochin University of Science and Technology, Cochin 12-15 August 2010