Rashid Farooq

Professor

School of Natural Sciences

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About

Dr. Rashid Farooq is working as Professor in the School of Natural Sciences. Dr. Rashid Farooq has a PhD in Mathematics. Dr. Rashid Farooq has published 46 research articles & conference papers having a citation count of 232, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Mathematics   2003 - 2007
  Kyoto University , Japan

MPhil in Mathematics   1998 - 2000
  Quaid-i-Azam University , Pakistan

MSc in Mathematics   1996 - 1998
  Quaid-i-Azam University , Pakistan

BSc in Mathematics, Statistics   1992 - 1995
  BZU, Multan , Pakistan

F.Sc in Physics, Statistics, Mathematics   1990 - 1992
  Board of Intermediate and Secondary Education, Multan , Pakistan

Matric (SSC) in Mathematics, Physics, Chemistry, Biology   1988 - 1990
  Board of Intermediate and Secondary Education, Multan , Pakistan

Experience

Professor   2019- Present
  School of Natural Sciences

Associate Professor   2015 - 2019
  School of Natural Sciences

Assistant Professor   2012 - 2015
  School of Natural Sciences

Assistant Professor   2007 - 2012
  School of Natural Sciences

Awards

SNS Best Teacher Award   2017
  SNS Best Teacher Award for the year 2016

Research Articles

The General Sombor Index of Extremal Trees with a Given Maximum Degree   2025
  Sultan Ahmad Rashid Farooq Kinkar Chandra Das

  MATCH-Communications in Mathematical and in Computer Chemistry, Volume 94(3), Pages 825-853

  Impact Factor: 2.900 | **Quartile:** 1
  DOI: 10.46793/match.94-3.21724

On Elliptic Sombor Index with Applications   2025
  Sultan Ahmad Kinkar Chandra Das Rashid Farooq

  Bulletin of the Malaysian Mathematical Sciences Society, Volume:48, Issue:4, Article Number 108

  Impact Factor: 1.000 | **Quartile:** 1

On Variable Sum Exdeg Energy Of Graphs
2024

Sumaira Hafeez Rashid Farooq Amina Saher

Transactions on Combinatorics , Volume: 13, Issue: 1 - Serial Number 1, Pages 85-103

Impact Factor: N/A

Extremal graphs with respect to the total-eccentricity index
2023

Rashid Farooq Mehar Ali Malik Juan Rada

Asian-European Journal of Mathematics , Volume:16, Issue:8, Article Number: 2350138

Impact Factor: 0 | **Citations:** 3

Tree with maximum non-self-centrality number among all trees of fixed order and maximum degree
2022

Laiba Mudusar Rashid Farooq

Discrete Applied Mathematics , Volume 311, Pages 26-34

Impact Factor: 1.139 | **Quartile:** 3

Total eccentricity index of trees with fixed pendent vertices and trees with fixed diameter
2022

Rashid Farooq Shehnaz Akhter Juan Rada

Japan Journal of Industrial and Applied Mathematics, Volume 39, Pages 443-465

Impact Factor: 0.876 | **Quartile:** 4 | **Citations:** 4

METRIC DIMENSION OF INDU-BALA PRODUCT OF GRAPHS
2021

Shehnaz Akhter Rashid Farooq

Jordan Journal of Mathematics and Statistics , Volume:14, Issue:4, Page:581-605

Impact Factor: N/A | **Citations:** 2

Non-self-centrality number of some molecular graphs
2021

Rashid Farooq Laiba Mudusar

AIMS Mathematics , Volume 6(8), Pages 8342–8351

Impact Factor: 2.739 | **Quartile:** 1 | **Citations:** 1

On energy ordering of vertex-disjoint bicyclic sidigraphs
2020

Sumaira Hafeez Rashid Farooq

AIMS Mathematics , Volume 5(6), Pages 6693–6713

Impact Factor: 1.427 | **Quartile:** 2

Computing bounds for the general sum-connectivity index of some graph operations
2020

Rashid Farooq Shehnaz Akhter

Algebra and Discrete Mathematics , Volume 29, Number 2, Pages 147-160

Impact Factor: - | **Citations:** 3

Eccentric Adjacency Index of Graphs with a Given Number of Cut Edges
2020

Shehnaz Akhter Rashid Farooq

Bulletin of the Malaysian Mathematical Sciences Society, Volume 43, Issue 3, Pages 2509–2522

Impact Factor: 1.554 | **Quartile:** 1 | **Citations:** 12

On generalized inverse sum indeg index and energy of graphs
2020

Rashid Farooq Sumaira Hafeez

AIMS Mathematics , Volume 5(3), Pages 2388–2411

Impact Factor: 1.427 | **Quartile:** 2 | **Citations:** 11

The eccentric adjacency index of unicyclic graphs and trees
2020

Shehnaz Akhter Rashid Farooq

Asian-European Journal of Mathematics , Volume 13, No. 01, Article Number 2050028

Iota energy of bicyclic signed digraphs

2019

Rashid Farooq Sarah Chand Mehtab Khan Sarah Chand Mehtab Khan

Asian-European Journal of Mathematics, Volume: 12, Issue: 5, Article Number: 1950078

Inverse sum indeg energy of graphs

2019

Sumaira Hafeez Rashid Farooq

IEEE Access, Volume 7, Pages 100860-100866

Bicyclic signed digraphs with maximal energy

2019

Sumaira Hafeez Rashid Farooq Mehtab Khan

Applied Mathematics and Computation, Volume: 347, Pages: 702-711

On iota energy of signed digraphs

2019

Rashid Farooq Mehtab Khan Sara Chand

Linear and Multilinear Algebra, Volume 67, Issue 4, Pages 705-724

Metric dimension of fullerene graphs

2019

Shehnaz Akhter Rashid Farooq

Electronic Journal of Graph Theory and Applications, Volume: 7, Issue: 1, Pages: 91-103

Exact Formulae of General Sum-Connectivity Index for Some Graph Operations

2018

Shehnaz Akhter Rashid Farooq Shariefuddin Pirzada

Matematicki Vesnik, NULL

On partition dimension of fullerene graphs

2018

Naila Mehreen Shehnaz Akhter Rashid Farooq

AIMS Mathematics, NULL

Complex adjacency matrix and energy of digraphs

2017

Rashid Farooq Juan Rada Mehtab Khan

Linear and Multilinear Algebra, NULL

On The Energy of Bicyclic Signed Digraphs

2017

Mehtab Khan Rashid Farooq

Journal of Mathematical Inequalities, Volume 11, Number 3, Pages 845–862

A Note on a Two-Sided Discrete-Concave Market with Possibly Bounded Salaries

2017

Rashid Farooq Ayesha Mahmood

International Game Theory Review, Vol. 19, No. 3 (2017) 1750017 (21 pages)

Extremal iota energy of bicyclic digraphs

2017

Rashid Farooq Faiz Ahmad Mehtab Khan

Applied Mathematics and Computation, Volume 303, Pages 24-33

On the Eccentric-Connectivity Index of Some 3-Fence Graphs and Their Line Graphs

2017

Mehar Ali Malik Rashid Farooq

International Journal of Applied and Computational Mathematics, Volume 3, Issue 2, Pages 1157-1169

On the Atom-bond connectivity and Geometric-Arithmetic indices of SiO2 layer structure

2017

Fatima Farrukh Rashid Farooq Mohammad R. Farahani

Moroccan Journal of Chemistry , NULL

Computing Different Versions of Atom-bond Connectivity Index of Dendrimers

2017

Zahid Iqbal Muhammad Ishaq Rashid Farooq

Journal of Informatics and Mathematical Sciences , Volume: 9 Issue: 1 Pages: 217-229 Published: 2017

Computing topological indices of some hyper-branched macromolecules

2016

Mehar Ali Malik Rashid Farooq

Journal of Optoelectronics and Advanced Materials, Volume: 18 Issue: 11-12 Pages: 1057-1068

Generalized atom-bond connectivity analysis of several chemical molecular graphs

2016

W. Gao W.F. Wang M.K. Jamil Rashid Farooq M.R. Farahani

Bulgarian Chemical Communications, , Volume: 48, Issue:3, Pages:543-549, Published: 2016

On the nullity of a family of tripartite graphs

2016

Rashid Farooq Mehar Ali Malik Qudsia Naureen Shariefuddin Pirzada

Acta Universitatis Sapientiae Informatica , Volume: 8, Issue: 1, Pages: 96-107

Computing some degree-based topological indices of a heterofunctional dendrimer

2016

Nazia Nazir Rashid Farooq Mehar Ali Malik

Journal of Optoelectronics and Advanced Materials, Vol. 18, Iss. 5-6, p. 574 - 586

Eccentricity based topological indices of a hetrofunctional dendrimer

2015

Rashid Farooq Nazia Nazir Mehar Ali Malik Muhammad Arfan

Journal of Optoelectronics and Advanced Materials, Volume 17, issue 11-12, Pages 1799-1807

On the extremal energy of bicyclic digraphs

2015

Mehtab Khan Rashid Farooq Azad Akhter Siddiqui

Journal of Mathematical Inequalities , Volume 9, Issue 3, Pages 799-810

M#-Convexity and Ultramodularity on Integer Lattice

2015

Sumbal Azeem Rashid Farooq

Mathematical Inequalities and Applications , Volume: 18 Issue: 3 Pages: 949-958

On some eccentricity based topological indices of nanostar dendrimers

2015

Rashid Farooq Mehar Ali Malik

Optoelectronics and Advanced Materials-Rapid Communications, Volume 9, Issue 5-6, Pages 842-849

Some conjectures on energy and Estrada index of CNCk[n] nanocones
2015

Mehar Ali Malik Rashid Farooq

Optoelectronics and Advanced Materials-Rapid Communications, Volume 9, Issue 3-4, Pages 415-418

Computational results on the energy and Estrada index of TUC4C8[m,n] nanotubes
2015

Mehar Ali Malik Rashid Farooq

Optoelectronics and Advanced Materials-Rapid Communications, Volume: 9 Issue: 1-2 Pages: 311-313

Matching with partially ordered contracts
2012

Rashid Farooq T. Fleiner A. Tamura

Japan Journal of Industrial and Applied Mathematics, Volume: 29, Issue: 3, Pages: 401-417, Special Issue: SI

Existence of stable outcome for a job market with linear valuations and possibly bounded salaries
2011

Yasir Ali Rashid Farooq

Pacific Journal of Optimization, Volume: 7, Issue: 3, Pages: 531-550

Existence of Stable Outcome in a Job Market with Linear Valuations and Possibly Bounded Salaries
2011

Yasir Ali Rashid Farooq

Pacific Journal of Optimization, Volume: 7, Issue:3, Pages: 531-550

Pairwise Stability in a Two-Sided Matching Market with Indivisible Goods and Money
2011

Yasir Ali Rashid Farooq

Journal of the Operations Research Society of Japan, Volume 54, Issue 1, Pages 1-1

On a Labor Allocation Model with Possibly Bounded Salaries
2008

Rashid Farooq YbshlkoT Ikebe AkihisaTamura

Journal of the Operations Research Society of Japan, Volume: 51 Issue: 2 Pages: 136-154

A Polynomial-time Algorithm for a Stable Matching Problem with Linear Valuations and Bounded Side Payments
2008

Rashid Farooq

Japan Journal of Industrial and Applied Mathematics, Volume: 25, Issue: 1, Pages: 83-98

A note on the equivalence between substitutability and M#-convexity
2005

Rashid Farooq Akiyoshi Shioura

Pacific Journal of Optimization, Volume 1, Number 1, Pages 243-252

A new characterization of M^{n}-convex set functions by substitutability
2004

Rashid Farooq Akihisa Tamura

Journal of the Operations Research Society of Japan, Volume: 47, Issue: 1, Pages: 18-24

A note on finite metabelian groups of wielandt length two 2001

Asif Ali Rashid Farooq

Southeast Asian Bulletin of Mathematics, Volume 25, Pages 187-190

Impact Factor: 0

DOI: https://link.springer.com/article/10.1007/s10012-001-0187-x

Editorial Activities

Malaysian Journal of Mathematical Sciences 2025
Reviewed Papers for Journals
Impact Factor: 1.3

Malaysian Journal of Mathematical Sciences 2025
Reviewed Papers for Journals
Impact Factor: 1.3

Heliyon 2025
Reviewed Papers for Journals
Impact Factor: 3.4

Malaysian Journal of Mathematical Sciences 2025
Reviewed Papers for Journals
Impact Factor: 0.5

The Journal of Supercomputing 2025
Reviewed Papers for Journals
Impact Factor: 2.5

Heliyon 2024
Reviewed Papers for Journals
Impact Factor: 3.4

Heliyon 2024
Reviewed Papers for Journals
Impact Factor: 3.4

Modern Physics Letters B 2024
Reviewed Papers for Journals
Impact Factor: 1.8

Journal of Applied Mathematics and Computing 2024
Reviewed Papers for Journals
Impact Factor: 2.4

Discrete Applied Mathematics 2024
Reviewed Papers for Journals
Impact Factor: 1

Heliyon 2024
Reviewed Papers for Journals
Impact Factor: 3.4

Journal of Mathematics 2024
Reviewed Papers for Journals
Impact Factor: 1.4

Discrete Applied Mathematics 2023
Reviewed Papers for Journals
Impact Factor: 1.1

Research in Mathematics 2023
Reviewed Papers for Journals
Impact Factor: N/A

Hacettepe Journal of Mathematics and Statistics 2023
Reviewed Papers for Journals
Impact Factor: 0.867

Journal of Mathematics 2023

Reviewed Papers for Journals
Impact Factor: 1.4

AIMS Mathematics 2023
Reviewed Papers for Journals
Impact Factor: 2.2

Journal of Mathematics 2023
Reviewed Papers for Journals
Impact Factor: 1.4

Journal of Applied Mathematics and Computing 2023
Reviewed Papers for Journals
Impact Factor: 2.196

Journal of Applied Mathematics and Computing 2023
Reviewed Papers for Journals
Impact Factor: 2.196

Journal of Mathematics 2023
Reviewed Papers for Journals
Impact Factor: 1.555

Bulletin of the Malaysian Mathematical Sciences Society 2023
Reviewed Papers for Journals
Impact Factor: 1.397

2022
Reviewed Papers for Journals
Impact Factor: 2.739

2022
Reviewed Papers for Journals
Impact Factor: 1.686

2022
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2022
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2021
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2021
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Discrete Applied Mathematics 2021
Reviewed Papers for Journals
Impact Factor: 1.1

Heliyon 2021
Reviewed Papers for Journals
Impact Factor: 3.4

Heliyon 2020
Reviewed Papers for Journals
Impact Factor: 3.4

2020
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2019
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Reviewed Papers for Journals
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Reviewed Papers for Journals
Impact Factor: 0.635

Reviewed Papers for Journals
Impact Factor: 0