DR. MOHAMAD NAZRI BIN HUSIN

SENIOR LECTURER

Dr. Mohamad Nazri Bin Husin's research interests include application of graph theory, topological indices and characterize the chemical structure of graph. His current project involves in characterization of n-vertex connected graphs involving topological indices with given parameters and Topological Indices in Fuzzy Graph Theory: New Approaches and Applications in Network Analysis and Molecular Modeling.

CONTACT

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RESEARCHER PROFILE

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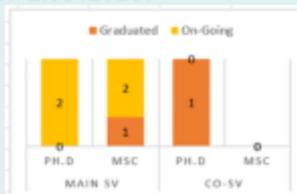
Google MOHAMAD NAZRI HUSIN

EDUCATION

- PhD in Mathematics, Universiti Malaysia Terengganu.
- Master in Mathematics, Universiti Sains Malaysia.
- BSc. In Mathematics, Universiti Sains Malaysia

AREAS OF EXPERTISE

- Application of graph theory
- Topological indices
- Characterize the chemical structure of graph.

SUPERVISION

COLLABORATORS

SELECTED RESEARCH PROJECTS

- Fundamental Research Grant Scheme (FRGS) from Ministy of Higher Education Malaysia. Characterization of n-vertex connected graphs involving topological indices with given parameters. (2022-2025). RM105,000.

- Tape-RG from Universiti Malaysia Terengganu, To characterize the graphs with its topological aspects of chemical structures with underlying networks. (2021-2024)

SELECTED PUBLICATIONS

- Mhagama, Lyimo Sygbert; Nadeem, Muhammad Faisal; **Husin, Mohamad Nazri**; On the edge metric dimension of some classes of cacti, AIMS Mathematics, 9(6), 2024, 16422-16435 – WoS – Q1

- Saleem, Hafsa; **Husin, Mohamad Nazri**; Ali, Shahbaz; Hameed, Muhammad Shazib; Ahamd, Zaheer; Topology of Edge Contracted Mobius Ladder: Indices and Dimension; Malaysian Journal of Fundamental and Applied Sciences, 20(4), 2024, 739-758, Scopus Q2

- Gowtham, Kalkere Jayanna; **Husin,Mohamad Nazri**; Siddiqui, Muhammad Kamran; Some New Bounds on the Modified Symmetric Division Deg Index, Malaysian Journal of Mathematics Sciences, 18(1), 2024, 39-50, Scopus, Q4

- **Husin, M. N.**, Khan, A. R., Awan, N. U. H., Campena, F. J. H., Tchier, F., Hussain, S., Multicriteria decision making attributes and estimation of physicochemical properties of kidney cancer drugs via topological descriptors, PLoS ONE, 19(5), 2024, e0302276, WoS Q1

- Rafiullah, M., Dur-E-Jabeen, **Husin, M. N.**, Some Mathematical Properties of Sombor Indices for Regular Graphs, Malaysian Journal of Fundamental and Applied Sciences, 20(6), 2024, 1392-1397, Scopus Q2

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