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Educational Details:

- **Ph.D. Mathematics** – SRM University – 2024
- **M.Phil. Masthematics** – Manonmanium Sundarnar University- 2011
- **M.Sc. Mathematics** – Manonmanium Sundarnar University - 2009
- **B.Sc. Mathematics** – Manonmanium Sundarnar University – 2007

Areas of Research:

- Graph theory
- Topological indices on molecular structures

Academic Experience

1. Assistant Professor, Ramapuram Campus, SRM Institute of Science and Technology (formerly known as SRM University), Chennai since June 2025
2. Assistant Professor, Kumararani college of Arts and Science from June 2015 to June 2020.
3. Assistant Professor, Kumararani college of Arts and Science from June 2012 to July 2013.
4. Assistant Professor, DRBCC College of Arts and Science from June 2011 to May 2012.
5. Assistant Professor, Arul College of Technology from May 2010 to Oct 2010.

List of Papers Selected Publications:

- Vijaya Lakshmi K., Parvathi N., "An analysis of thorn graph on topological indices" IAENG International Journal of Applied Mathematics, vol. 53, no. 3, pp 1084-1093, 2023.(Scopus)(Published)
- Vijaya Lakshmi K., Parvathi N., "Analysis of Sombor and harmonic indices on thorn cog-graphs," Mathematical modelling of Engineering Problems, vol. 10, no. 5, pp 1777-1784, 2023.(Scopus)(Published)
- Huang Feng, Vijaya Lakshmi K, Parvathi N etal., "Update on Remdesivir in the Treatment of Novel Coronavirus Pneumonia," Progress in microbes and molecular biology., Vol.6 (2023)(Scopus)(Published)
- Vijaya Lakshmi K., Parvathi N., "Topological relating some nanostructures," Materials today: Proceedings., 68 (2022), 2382-2386 (Scopus)(Published)
- Vijaya Lakshmi K., Parvathi N., "Topological indices correlating the molecular structure of chloroquine and hydroxychloroquine," AIP Conference Proceedings, 2852, 100003 (2023)(Scopus)(Published)

List of Papers Presented in International/National Conference:

- Presented a research paper entitled " Topological indices relating some nanostructures" in "4th International Conference on Advances in Mechanical Engineering(ICAME 2022)" conducted by "Department of Mechanical Engineering, SRM Institute of Science and Technology, Kattankulathur" from 24.03.2022 to 26.03.2022
- Presented a research paper entitled "Topological indices correlating the molecular structure of chloroquine and hydroxychloroquine" in "3rd International Conference on Mathematical Techniques and Applications(e-ICMTA-2022)" conducted by

"Department of Mathematics, SRM Institute of Science and Technology, Kattankulathur" from 22.03.2022 to 24.03.2022.

- Presented a Poster in "Dr. Paarivendhar Research Colloquium (DPRC)-2022" organized by "SRM Institute of Science and Technology, Kattankulathur," from 24.03.2022 to 26.03.2022.
- Presented a research paper entitled "Topological indices on Titania nanotubes" in "International conference on Number theory and Graph theory(ICNG 2023)" organized by "Manipal Academy of Higher Education, Mangalore" from 18.01.2023 to 20.03.2023.

Membership:

- International Association of Engineers (IAENG) – Life Member, 2025