Staff Name	:	**Dr. P. CHELLAMANI**
Faculty ID	:	**TMA40**
Designation	:	**Assistant Professor**
Qualification	:	**M. Sc., M.Phil., Ph.D.**
Experience	:	**1 Year**
Area of Specialization	:	**Graph Theory** **Fuzzy Graph Theory** **Fuzzy Fractional** **Difference Equations** **Mathematical Modelling**

Subject Handled in UG :
1. **Engineering Mathematics – I**
2. **Engineering Mathematics -II**
3. **Statistics and Numerical Methods**
4. **Transforms & Partial Differential Eqn**

Subject Handled in PG :
1. **Applied Mathematics for Electronics Engineers**
2. **Business Statistics**

Journal Published : **International: 25   National: -**

1. **Stability Analysis and Simulation of Diffusive Vaccinated Models to Complexity. (Accepted)** *(Indexed in SCIE, Scopus and Web of Science) (Impact Factor: 2.3)*

2. **A New Approach to Discrete Integration and Its Implications for Delta Integrable Functions to Mathematics** *(Indexed in SCIE, Scopus and Web of Science) (Impact Factor: 2.4)*

3. **Pythagorean Neutrosophic Planar Graphs with an Application in Decision-Making to Computers, Materials & Continua** *(Indexed in SCIE, Scopus and Web of Science) (Impact Factor: 3.1)*

4. **Determination of various factors to evaluate a successful curriculum design using interval-valued Pythagorean neutrosophic graphs to Soft Computing** *(Indexed in SCIE, Scopus, Web of Science and UGC) (Impact Factor: 4.1)*

5. **A Fuzzy Fractional Order Approach to SIDARTHE Epidemic Model for COVID-19 to Complexity.** *(Indexed in SCIE, Scopus and Web of Science) (Impact Factor: 2.3)*

6. **Estimating the Spread of Generalized Compartmental Model of Monkeypox Virus Using a Fuzzy Fractional Laplace Transform Method to Symmetry.** *(Indexed in SCIE, Scopus and Web of Science) (Impact Factor: 2.940)*

7. **Regularity of Pythagorean Neutrosophic Graphs with an illustration in MCDM to AIMS Mathematics.** *(Indexed in SCIE, Scopus and Web of Science) (Impact Factor: 2.739)*

8. **A Method for Performing the Symmetric Anti-Difference Equations in Quantum Fractional Calculus to Symmetry.** *(Indexed in SCIE, Scopus and Web of Science) (Impact Factor: 2.940)*

9. **New Concepts of Pentapartitioned Neutrosophic Graphs and Applications for Determining Safest Paths and Towns in Response to Covid-19 to Computational and Applied Mathematics.** *(Indexed in SCIE, Scopus and UGC) (Impact Factor: 2.998)*

10. **Dynamics of COVID-19 Using SEIQR Epidemic Model to Journal of Mathematics.** *(Indexed in SCIE, Scopus and Web of Science) (Impact Factor: 1.555)*

11. **Symmetric Difference Operator in Quantum Calculus to Symmetry.** *(Indexed in SCIE, Scopus and Web of Science) (Impact Factor: 2.940)*

12. **An Approach to Decision-Making via Picture Fuzzy Soft Graphs to Granular Computing.** *(Indexed in Scopus and Web of Science) (Impact Factor: 5.5)*

13. **Pythagorean Neutrosophic Dombi Fuzzy Graphs with an Application to MCDM to Neutrosophic Sets and Systems.** *(Indexed in Scopus and UGC)*

14. **Spherical Fuzzy Labelling Graphs to Journal of Physics: Conference Series.** *(Indexed in Scopus and Web of Science)*

15. **Pythagorean Neutrosophic Soft Sets and their application to decision-making Scenario to Lecture Notes in Networks and Systems.** *(Indexed in Scopus and Web of Science)*

16. **Pythagorean Neutrosophic Fuzzy Graphs to International Journal of Neutrosophic Science.** *(Indexed in Scopus)*

17. **Fuzzy Magic Labelling of Neutrosophic Path and Star Graph to Advances in Mathematics: Scientific Journal.** *(Indexed in Scopus)*

18. **Interval Valued Pentapartitioned Neutrosohpic Graphs with an Application to MCDM to Operational Research in Engineering Sciences: Theory and Applications.** *(Indexed in Scopus)*

19. **Topological Analysis of PAHs using Irregularity based Indices to Biointerface Research in Applied Chemistry.** *(Indexed in Scopus and Web of Science)*

20. **VDB Analysis for Zeolites LTA Structures to Biointerface Research in Applied Chemistry.** *(Indexed in Scopus and Web of Science)*

21. **Fuzzy Magic and Bi-magic Labelling of Intuitionistic Path Graph to International Journal of Recent Technology and Engineering.** *(Indexed in Scopus)*

22. **Operations on Pythagorean Neutrosophic Graphs to AIP Conference Proceedings.** *(Indexed in Scopus and Web of Science)*

23. **Domination in Pythagorean Neutrosophic Graphs with an application in Fuzzy Intelligent Decision Making to Lecture Notes in Networks and Systems.** *(Indexed in Scopus and Web of Science)*

24. **Picture Fuzzy Labelling Graphs with an Application to Annals of Optimization Theory and Practice.** *(Indexed in Google Scholar)*

25. **A Study on Labelling of Pythagorean Neutrosophic Fuzzy Graphs". Journal of Computational Mathematica, (Indexed in Google Scholar)**

Paper Presented in Conferences : **International: 7   National:1**

1. **"Domination in Pythagorean Neutrosophic Graphs with an application in Fuzzy Intelligent Decision Making" In "International Conference on Intelligent and Fuzzy Systems (INFUS - 2022)" held during July – 19, 2022 organized by Istanbul Technincal University, Yasar University, Izmir Bakircay University. Istanbul.**

2. **"Interval Valued Pythagorean Neutrosophic Grphs and their Application in MCDM Problem" in "International Conference on Frontiers in Industrial and Applied Mathematics (FIAM - 2021)" held during December 21 – 22, 2021 organized by Department of Mathematics, SLIET Longowal – 148106 (Punjab), India.**

3. **"Pythagorean Neutrosophic Soft Sets and Their Application to Decision Making Scenario" In "International Conference on Intelligent and Fuzzy Systems (INFUS - 2021)" held during August 24 – 26, 2021 organized by Industrial Engineering Department of Istanbul Technical University at Istanbul, Turkey.**

4. **"Spherical Fuzzy Labelling Graphs" In "First International Conference on Advances in Computational Science and Engineering**

(ICACSE - 2020)" held during December 25 – 26, 2020 organized by the Research and Development wing, Live Research, Tiruppur, Tamil Nadu, India.

5. **"Pythagorean Neutrosophic Dombi Fuzzy Graphs with an Application to MADM"** in **"International Conference on Recent Advancements in Mathematics (ICRAM - 2020)"** held during April 9 – 10, 2021 organized by PG and Research Department of Mathematics, Sacred Heart College (Autonomous), Tirupattur.

6. **"Magic and Bi-Magic Labelling of Neutrosophic Path and Star Graph"** in **"International Conference on Graph Theory and its Applications (ICGTA-2019)"** held during November 20 – 21, 2019 organized by the Department of Mathematics, SSN College of Engineering, Chennai.

7. **"Pythagorean Fuzzy Magic Labelling of Graphs"** In **"International Conference on Mathematical Sciences and Applications (ICMA 2020)"** held during January 27 – 29, 2020 organized by AARM Society and PG and Research Department of Mathematics, Sacred Heart College (Autonomous), Tirupattur.

Google Scholar ID	**:**	**https://scholar.google.com/citations? user=v2_I0B8AAAAJ&hl=en**
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Scopus ID	**:**	**https://www.scopus.com/authid/detail.uri? authorId=57218885877**
Web of Science ID	**:**	**https://www.webofscience.com/wos/author/ record/GZH-3187-2022**