FACULTY PROFILE

1. Name   : Dr. Pooja C.

2. Designation   : Assistant Professor

 3. Qualification   : M. Sc., M.Phil., PGDCA, Ph.D.

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 6. Teaching Experience   : 2 years

7. Area of specialization   : Mathematical Modelling, Nonlinear Differential Equations,

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8. No. of Papers Published: 10

9. No. of Papers Presented in the National/ International/ Seminars/ Workshops/ Conferences: 7

10. Honors & awards received (Descriptive): 2

- **Best Paper Award (2022), VIT MATHFEST-2022,** Organized by "School of Advanced Science, VIT University, Vellore-14, on 22nd December 2022.
- **Best Paper Award (2024), VIT MATHFEST-2023,** Organized by "School of Advanced Science, VIT University, Vellore-14, on 8th January 2024.

11. No. of Online Courses completed (Minimum of 4 Weeks): 1

PUBLICATIONS

Publications in Journals

- Devi D. and Pooja C., "Fuzzy queues with unreliable server and performance measurement using left and right method in trapezoidal number", Journal of Emerging Technologies and Innovative Research, Volume 5, Issue 8, Pg. no.: 511-515, August 2019. (An international peer-reviewed journal, Impact factor – 7.95)

- Arunkumar M., Sathya E. and Pooja C., "Single Variable Generalized Additive - Quadratic and Generalized Cubic- Quartic Functional Equations in Various Banach Spaces'', International Journal of Mathematics And its Applications, Volume 8, Issue 3, Pg. no. 1-42, September 2020. (An international peer-reviewed journal, Impact factor – 4.968)

- Arunkumar M., Pooja C., and Sathya E., "Stability of A Functional Equation Originates from A Corona Model with Additive Solution in Banach Space Using Direct and Fixed Point Method", Recent Advancements of Mathematics in Science and Technology, Chapter 11, 2021, Pg. no.: 103.

- Pooja C. and Sabarmathi A., "A Fractional Order Approach in the Eco-epidemiological Model of Sugarcane Grassy Shoot Disease using Control", Journal of Propulsion Technology, Volume 44, Issue 4, Pg. no.: 5909 – 5915, November 2023. (Scopus Indexed, Impact factor – 0.597)

- Pooja C. and Sabarmathi A., "Analysis of plant growth and disease models of Groundnut", Journal of Propulsion Technology, Volume 44, Issue 5, Pg. no.:119-126, December 2023. (Scopus Indexed, Impact factor – 0.597)

- Pooja C. and Sabarmathi A., "A Mathematical Model for Tikka Disease of Groundnut with Intercropping of Grams", Journal of Xidian University, Volume 18, Issue 1, Pg. no.: 776-793, January 2024. (Scopus Indexed, Impact factor – 0.69)

- Pooja C. and Sabarmathi A., "Estimating the Spread and Control of TYCLV Using Mathematical Model", Advanced Engineering Science, Volume 56, Issue 1, Pg. no.:1-15, January 2024. (Scopus Indexed, Impact factor – 0.665)

- Pooja C. and Sabarmathi A., "An Eco-Epidemiological Model for Panama Wilt Disease of Banana with Cultural Controls", International Journal of Information Technology (IJIT), Volume 10, Issue 5, Pg. no.: 1-7, Sep-Oct 2024. (A Peer Reviewed Journal, Impact factor- 5.135)

- Pooja C. and Sabarmathi A., "An Eco-Epidemiological Model of Banana Disease with the Impact of Cultural Controls and Measuring Disease Causes", International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS), Volume 14, Special Issue 3, Pg. no.: 263-279, March 2025. (Web of Science -Zoological Record, Scientific Journal Impact Factor -3.879)

- Pooja C. and Sabarmathi A., "Predicting and Controlling: Bacterial Wilt in Brinjal: A Mathematical Approach", Journal of Crop Health, Volume 77, Article 85, Pg. no.: 1-14, March 2025. (Springer – Web of Science, Impact Factor – 3.1).