

Mrs. S. ANUSHA

No. E-22, Eamnuvel 3rd street, Devanesan nagar, Peerkankaranai, Chennai-600063.

Mobile : +91 9940336017

Email : anushasmk@gmail.com

<https://orcid.org/0000-0001-6152-2783>

<https://www.linkedin.com/in/anusha-saravana-moorthy-726a40278/>

<https://www.scopus.com/authid/detail.uri?authorId=57223013001>



HIGHLIGHTS

- Mathematical modelling
- Differential equation
- Stochastic Processes
- Python
- Epidemiological Modeling

RESEARCH EXPERIENCE

Ph.D. Mathematics Thesis: *MATHEMATICAL MODELLING OF DIABETES AND ITS ROLE AS COMORBIDITY FOR COVID-19*

ACADEMIC DETAILS

Ph.D.

SRM Institute of Science and Technology, Chennai-603 203.
July 2019 - till date (awaiting viva voce examination)

India

M.Sc.

A.M. Jain College, Meenambakkam, Chennai-600 114.
2016 - 2018 with aggregate of 81 %

India

B.Sc.

A.M. Jain College, Meenambakkam, Chennai-600 114.
2013 - 2016 with aggregate of 84 %

India

PUBLICATIONS

- 📄 **S. Anusha** and S. Athithan, “Mathematical modelling of diabetes and its restrain”, *International Journal of Modern Physics C*, Vol. 32, No. 09, (2021), Page:2150114 (SCI-Q3-IF-1.9).
- 📄 **S. Anusha** and S. Athithan, “Dynamical Behaviour of a Stochastic Mathematical Model and Optimal Control for Type 2 Diabetes”, *Mathematical Modelling of Engineering Problems*, Vol. 11, No. 03, (2024), Page: 792-798 (Scopus-Q4-IF-0.732).

CONFERENCES PRESENTED AND PARTICIPATED

- Presented a paper titled “**Stochastic model for the coexistence of Diabetes and COVID-19**” in *International Conference on Advances in Differential Equation and Numerical Methods (ADENA -2020)* held on 12-15 Oct 2020 Organised by Department of Mathematics, IIT Guwahati, India.
- Presented a paper titled “**Analysis of Solution for The Stochastic Model for Diabetes**” in *National Conference on Mathematical Theory of Control (NCMTC)* held on 10-12 Dec 2020, Jointly Organised by NIT-PY (Karaikal) & IIST (Trivandram).
- Participated in *ICMTA-2021*, Department of Mathematics, SRM Institute of Science and Technology, Kattankulathur, March 24-26, 2021.

WORKSHOP ATTENDED

- 👉 Attended a **Workshop on Applications of Differential Equations (WADE-2020)** held on 12-14 th Feb 2020, Organised by Department of Applied Mathematics, Bharathiyar University, Coimbatore.
- 👉 Attended **Use of Elsevier Tools in Research Workflow** held on 5th May 2020 organised by University of Madras.
- 👉 Attended **Mathematical Modelling of Infectious Disease** held on 11th June 2020 organised by Mizoram University.
- 👉 Attended an **Applications of Optimization Techniques in Science and Engineering Research** held on 23rd-27th Aug 2020, Organised by BITS, Pilani.
- 👉 Attended a **Mathematical Modelling of Infectious Disease with Special Focus on COVID-19** held on 2nd July 2020, Organised by VIT, Chennai.