

# Dr.S.GNANASEKARAN

## *Curriculum Vitae*



### **Educational Qualifications**

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<b>Bharathiar University</b> <i>Ph.D.(Mathematics)</i>	<b>Coimbatore</b> 2018–2023
<b>Bharathiar University</b> <i>M.Phil.</i>	<b>Coimbatore</b> 2015–2016
<b>Bharathiar University</b> <i>M.Sc., GPA–7.07</i>	<b>Coimbatore</b> 2013–2015
<b>Institute of Advanced Study in Education</b> <i>B.Ed., 78%</i>	<b>Chennai</b> 2012–2013
<b>Govt Arts College (Autonomous)</b> <i>B.Sc., GPA–9.07/First Rank</i>	<b>Salem</b> 2009–2012

### **Academic Experience**

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<b>Mother Teresa Women's University Research and Extension Centre</b> <i>Resource Person, Value Added Program-Matlab</i>	<b>Coimbatore</b> March-2020
<b>Mahendra Engineering College (Autonomous)</b> <i>Assistant Professor</i>	<b>Namakkal</b> 2017–2018

### **Area of Interests**

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- Partial Differential Equations
- Dynamical Systems
- Mathematical Biology
- Finite Difference Method

### **Awards and Fellowships**

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- University Research Fellow
- University rank holders scholarship for the year 2013-2015 by UGC
- First rank in B.Sc. Degree

### **Professional Affiliation**

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- Lifetime member-Indian Society for Industrial and Applied Mathematics (ISIAM)

## Technical Skills

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○ MATLAB, Mathematica, C, C++, L<sup>A</sup>T<sub>E</sub>X

## Publications

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- Global existence of solution to a two-species predator–prey parabolic chemotaxis system, *International Journal of Biomathematics*, 15(8) (2022), 2250054.
- Fully parabolic chemotaxis-competition system with loop and signal-dependent sensitivity, *Journal of Elliptic and Parabolic Equations*, 7(2) (2021), 727-746.
- Global existence and asymptotic behaviour of a predator–prey chemotaxis system with inter-species interaction coefficients, *Journal of Differential Equations*, (Review submitted).
- Global existence and maximal existence time of tumor-immune cell interactions chemotaxis system, *Discrete and Continuous Dynamical Systems - Series S*, (To be submitted).

## Participated Programs

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- Presented a poster titled "Global existence of classical solution to a two-species chemotaxis system" in the "Satellite Symposia 2022", organized by Bharathiar University, Coimbatore.
- Presented a paper titled "Global bounded classical solution to attraction-repulsion chemotaxis system" in the "International Conference on Emerging Areas in Science and Technology", organized by Royal Global University, Guwahati.
- Presented a paper titled "Global bounded classical solution to chemotaxis system" in the "National Conference on Mathematical Analysis and Applications", organized by National Institute of Technology, Trichy.
- Advanced Workshop on "Partial Differential Equations & Applications", organized by Central University of Kerala, Kasaragod.
- Presented a paper titled "Asymptotic Analysis for the Stocks-Darcy Equation" in the International Conference in "Conjunction with 15th Biennial Conference of ISIAM", jointly organized by Bharathiar University & Anna University, Coimbatore.