

KRISHNADAS MOHANDAS

Research Student

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EDUCATION

Aug 2022 - Present	PhD, Warsaw University of Technology	Warsaw, poland
	<ul style="list-style-type: none">• Faculty of Physics: Group of Physics in Economy and Social Sciences (FENS)• Project: "Signed relations and structural equilibrium in complex systems: from data to models."• Agent based modeling of stochastic systems.	
Aug 2016 - Aug 2018	M.Sc. Physics, Mahatma Gandhi University, Kerala	Cochin, India
	<ul style="list-style-type: none">• Specialization in Electronics.• Thesis: "Analysis of discrete time food chain model".• Relevant Courses: Statistical Physics, Nonlinear Physics, Digital Signal Processing.• Developed programming skills in C++, MATLAB.	
Aug 2016 - Aug 2018	B.Sc. Physics, Mahatma Gandhi University, Kerala	Cochin, India
	<ul style="list-style-type: none">• Scored a CGPA of (9/10).• Participated as a volunteer in the Innovation in science Pursuit for Inspired Research Camp (INSPIRE Internship Camp 2016), organized by Sacred Heart College.• Active member in Physics Association, Department of Physics, Sacred Heart College.	

RESEARCH EXPERIENCE

Nov 2020 - Jan 2022	Research Assistant, IISER, Tirupati	Tirupati, India
	<ul style="list-style-type: none">• Primary Research Field: "Nonlinear Dynamics and Nonlinear Time Series Analysis".• Research study- Recurrence Networks and Measures of financial data.• Supervisor: Prof. G. Ambika Chair, Physics & Coordinator, Academic Programs, Indian Institute of Science Education and Research (IISER) Tirupati. Co-supervisor: Prof. Harikrishnan K.P., Visiting Prof. IUCAA.	

Nov 2018 - Jul 2019 The Cochin College, Nonlinear Dynamics Lab-DST Cochin, India

- Chaos and Nonlinear Dynamics Lab, Dept. of Science and Technology (DST), Gov. of India, Kochi (India)
- Research Field: "Studies on the dynamics of a cyclic three species model".
- Supervisor: Prof. Saratchandran P.P., HOD, The Cochin College.Co-supervisor: Prof. Harikrishnan K.P., Visiting Prof. IUCAA.

PUBLICATIONS

- Krishnadas M, Saratchandran P.P, Harikrishnan K P, Chaos in a cyclic three-species predator-prey system with partial consumption of superpredator. Pramana- J of phys 94, 75 (2020).
- Krishnadas M., K.P. Harikrishnan, G. Ambika, Recurrence measures and transitions in stock market dynamics, Physica A: Statistical Mechanics and its Applications, 2022, 128240

PROFESSIONAL TRAINING

Jan 2020 - Apr 2020 MATLAB Programming, IIT Madras, India.

SKILLS

Programming languages

- Python
- Matlab

Softwares

- Git
- Gephi

LANGUAGES

English Highly proficient