Saptarshi Pal

Curriculum Vitae

Contact Information

Name	Saptarshi Pal
Email	spal@math.harvard.edu
Others links	Google Scholar, ResearchGate

Research Interests

game theory, repeated games, mathematical biology, dynamical systems

Academics

March 2024– **Post-Doctoral Fellow**,
Department of Mathematics, Harvard University.
Supervisor; Dr. Martin A. Nowak

2020–2024 **PhD in Mathematics and Natural Sciences**, *magna cum laude*,
Max Planck Institute for Evolutionary Biology.
Supervisor: Dr. Christian Hilbe

2018–2020 **Masters in Mathematics**,
University of Waterloo.
Supervisors: Dr. Chris T. Bauch and Dr. Madhur Anand

2014–2018 **Bachelor in Engineering**,
Jadavpur University, Kolkata, India.

Publications

2024 Philip LaPorte, Lenz Pracher, Saptarshi Pal
"Prediction-proof strategies in direct reciprocity" (*in preparation*).

2024 Saptarshi Pal, Mayeul Lambert, Martin A. Nowak.
"Stabilizing unconditional cooperation" (*accepted to Proceedings of Royal Society A*).

2024 Saptarshi Pal, Nikoleta E. Glynatsi, Christian Hilbe.
"The co-evolution of direct, indirect and generalized reciprocity" *in preparation, pre-print (link).*

2023 Marta C. Couto, Saptarshi Pal.
"Introspection dynamics in asymmetric multiplayer games" *Dynamic Games and Applications*, (link).

2022 Saptarshi Pal, Christian Hilbe.
"Reputation effects drive the joint evolution of cooperation and social rewarding".
Nature Communications, (link).

2021 Saptarshi Pal, Chris T. Bauch, and Madhur Anand.
"Coupled social and land use dynamics affect dietary choice and agricultural land-use extent"
Communications Earth & Environment, (link).

Teaching and Academic Supervisions

Fall 2024	Supervised masters student Lenz Pracher at Harvard Math.
Spring 2024	Supervised intern Mayeul Lambert at Harvard Math.
Spring 2024	Lectures at Math 243, Harvard University.

2022	Lectures on Evolutionary Game Theory at the University of Kiel.
2022	Teaching Assistant for Math-WS21, Universität zu Lübeck. *Mathematical Biology in action during the Corona pandemic*
2018-2020	Teaching Assistant at Faculty of Mathematics, University of Waterloo

Professional Activities

2021-Present	**Peer reviewing,** PNAS, Nature Sustainability, Dynamic Games and Application, PLOS One.
2023	**Organizer,** Lecture series on adaptive dynamics by Dr. Eva Kisdi at MPI Plön.

Others

2023(Conf.)	Talk title: A model of plausible deniability, Learning, Evolution and Games, Amsterdam.
2022(School)	The Helsinki Summer School on Mathematical Ecology and Evolution.
2022(Conf.)	Title: Reputation facilitates the co-evoltion of cooperation and social rewarding EHBEA, Max Planck Institute for Evolutionary Anthropology, Leipzig (Poster) ICSD, International Conference on Social Dilemmas (Talk)
2022 (School)	Toulouse Summer School in Quantitative Social Sciences, IAST and Tolouse School of Economics
2017 (Intern)	MPI for Dynamics and Self Organization, Göttingen

Programming

PYTHON, MATHEMATICA, MATLAB, LaTeX