

Name: Prof. Soumen Kundu

Designation: Assistant Professor

Branch: Mathematics

Educational Qualification(s):



Qualification(s)	University
M.SC	NIT Durgapur
PhD(Thesis Submitted)	NIT Durgapur

Experience in years:

Academic: NIL

Other Information:

a) Publication details.

A. Research Articles in journals

PUBLISHED

1. Gadadhar Banerjee, SaritMaitra and **SoumenKundu**, Pseudopotential approach for dust ion acoustic solitary waves in quantum dusty plasmas, **JurnalFizik Malaysia**, **Vol. 37, Issue 1, pp. 01042-01053 (2016)**.
2. **SoumenKundu**, SaritMaitra and Gadadhar Banerjee, *Qualitative analysis for a delayed three species predator-prey model*, **Far East Journal of Mathematical Sciences**, **Vol. 102, Number 5, pp. 865-899 (2017)**.
3. **SoumenKundu** and SaritMaitra, *Dynamical behaviour of a delayed three species predator-prey model with cooperation among the prey species*, **Nonlinear Dynamics**, **Vol. 92, Issue 2, pp. 627-643 (2018)**. [[http://dx.doi.org/ 10.1007/s11071-018-4079-3](http://dx.doi.org/10.1007/s11071-018-4079-3)] Springer
4. **SoumenKundu** and SaritMaitra, Permanence and Global Stability Analysis of a Delayed Three Species Predator-Prey Model with Cooperation Among Preys, **Far East Journal of Dynamical Systems**, **Vol. 30, Number 1, pp. 11-26 (2018)**.
5. **SoumenKundu** and SaritMaitra, *Dynamics of a delayed predator-prey system with stage structure and cooperation for preys*, **Chaos, Solitons & Fractals**, **Vol. 114, pp. 453-460 (2018)**.
6. Wanjun Xia, **SoumenKundu** and SaritMaitra, *Hopf Bifurcation of a Delayed Ecoepidemic Model with Ratio-Dependent Transmission Rate*, **Journal of Function Spaces**, **Volume 2018, Article ID 5626039, 10 pages**, [<https://doi.org/10.1155/2018/5626039>]

7. Wanjun Xia, **SoumenKundu** and SaritMaitra, *Dynamics of a delayed SEIQ epidemic model*, **Advances in Difference Equations (2018) 2018:336**, [<https://doi.org/10.1186/s13662-018-1791-8>]
8. **SoumenKundu** and SaritMaitra, *Stability analysis of a three species predator-prey model with cooperation among the prey species in a stochastic environment*, **Journal of Applied Mathematics and Computing (2019)**
9. Zizhen Zhang, **SoumenKundu** and Ruibin Wei, *A Delayed Epidemic Model for Propagation of Malicious Codes in Wireless Sensor Network*, **Mathematics (MDPI)**, 2019, 7, 396; Doi: 10.3390/math7050396

B. Research Articles in Conferences Proceedings

1. **SoumenKundu** and SaritMaitra, *Stability and delay in a three species predator-prey system*, National Seminar On Advances In Mathematical Sciences-2015, **AIP Conference Proceedings 1751, 020004 (2016)** [<http://dx.doi.org/10.1063/1.4954857>] AIP Publishing LLC, ISBN 978-0-7354-1408-2 & ISSN 0094-243X
2. **SoumenKundu** and SaritMaitra, *Qualitative analysis of a three species predator-prey model with stochastic fluctuation*, International Conference on Applications of Fluid Dynamics, Indian School of Mines, Dhanbad, published by **Springer in "Lecture Notes in Mechanical Engineering"**,

(b) Details of Seminar/Workshop/Conference.

(c). Professional membership of reputed bodies if any.

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