

Profile



- ❖ **Name:** Biswajit Paul
- ❖ **Designation:** Assistant Professor
- ❖ **Department:** Mathematics
- ❖ **Specialization:** Differential Equation, Mathematical Biology, Stochastic Differential Equation, Fractional Differential equation.
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Degree	College/University	Year of passing
B. Sc	University of Kalyani	2012
M.Sc	University of Kalyani	2014
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- ❖ **Date of Joining in W.B.E.S:** 21.07.2020
- ❖ **Date of joining in this College:** 21.07.2020
- ❖ **Research Field of Interests:** Prey-predator model, Stochastic differential equation, Fractional derivative.
- ❖ **Publications:**
 1. Paul, Biswajit, Gopal Chandra Sikdar, and Uttam Ghosh. "Effect of fear and non-linear predator harvesting on a predator-prey system in presence of environmental variability." *Mathematics and Computers in Simulation* 227 (2025): 442-460.
 2. Paul, Biswajit, Bapin Mondal, and Uttam Ghosh. "Mathematical Modeling of Regime Shifts in Fluctuating Environments: The Impact of Allee Effects and Cooperation." *The European Physical Journal Plus* 139.6 (2024): 488.

3. Paul, Biswajit, et al. "Effect of environmental fluctuation in the dynamics of a three-species food chain model with sexually reproductive generalized type top predator and Crowley-Martin type functional response between predators." *Brazilian Journal of Physics* 53.3 (2023): 64.
4. Paul, Biswajit, et al. "Dynamic interactions between prey and predator with cooperation and Allee effect: deterministic and stochastic approach." *Journal of Biological Systems* 30.04 (2022): 799-836.