

**Dr. Dipankar Sadhukhan,**  
**Assistant Professor in Mathematics,**  
**West Bengal Education Service,**

Department: Higher Education, Science & Technology and Biotechnology (Higher Edu.)  
Government of West Bengal.



Present Posting: Haldia Government College.

College Served: [Darjeeling Government College and Jhargram Raj College.](#)

**Education:**

Degree	Year	University
Ph. D.	2014	Vidyasagar University
M. Sc.	2003	Calcutta University
B. Sc.	2001	Calcutta University

Teaching Experience: 15 Years (Up to March'2019)

Area of Research: Mathematical Ecology

**Journal Papers:**

1. Sadhukhan D., Mondal B., Maiti M., 2008, Discrete age - structured population model with age dependent harvesting and its stability analysis, Applied Mathematics and Computation Vol - 201, 631 – 639. Elsevier.
2. Sadhukhan D., Mondal B., Maiti M., 2010, Food chain model with optimal harvesting in Fuzzy environment, Journal of Applied Mathematics and Computation, Vol. - 34, 1 - 18, Springer.
3. Sadhukhan D., Mondal B. & Maiti M., 2011, A general Holling type model with optimal harvesting policies, Tribal World (A multidisciplinary effort) Vol 1 102 - 112, ISBN NO. 81 - 88094 - 12 - 9
4. Sadhukhan D., Mondal B. & Maiti M., 2015, A Food Web Population Model in Deterministic and Stochastic Environment, Proceedings in Mathematics & Statistics 125, DOI 10.1007//9978 - 81 - 322 - 2301 - 6\_21, Springer India.
5. Sadhukhan D. & Mondal B., 2017, Combined Harvesting in a Prey-Predator Fishery with Time Delay, International Journal for Research in Applied Science & Engineering Technology (IJRASET), ISSN: 2321-9653, Volume 5 Issue XII, Page- 2286-2293, December 2017.
6. Sadhukhan D., 2018, Prey-Predator Model with General Holling Type Response Function and Optimal Harvesting Policy, International Journal of Mathematics Trends and Technology (IJMTT) Volume 53, Number 3, Page-172-179, January 2018, ISSN 2231-5373.
7. Sadhukhan D., Mondal B. & Maiti M. 2018, Bio-economic Prey–Predator Fishery Model with Intraspecific Predation, Time Delay in Reserved and

Unreserved Area. In: Kar S., Maulik U., Li X. (eds) Operations Research and Optimization. FOTA 2016. Springer Proceedings in Mathematics & Statistics, vol. 225. Springer, Singapore.

8. Sadhukhan D. 2019, Single Species Discrete Age-Structured Population with Variable Fraternity and Age-Dependent Harvesting in Unreserved Area, IJSRR 2019, 8(2), 416-426, ISSN: 2279-0543.

### Conference Papers:

1. Sadhukhan D., Mondal B. & Maiti M., 2009, Discrete Age - structured population with Variable Fraternity and Age - dependent Harvesting, Proceedings of the **International Seminar on Modern Trends in Biological Science**, Dept. of Zoology, Raja N. L. Khan Women's College ISBN No. 978 - 81 - 89339 – 401.

### Seminar/ Conference/ Workshop:

Sl. No.	Name of the (Seminar/ Conference/ Workshop)	Participated/Paper Presented/Session Chaired	Organiser, Venue and Year
1.	National Seminar on Recent Advances in Operation Research and related Computational Aspects.	Paper Presented	Department of Applied Mathematics, University of Calcutta, 22-23 August-2007.
2.	UGC sponsored State level Workshop on Discrete Mathematics and Mathematical Modelling Introduced in U. G. Syllabus.	Participated	Raja N.L.K. Womens' College, Midnapore, 22-23 April-2008.
3.	UGC sponsored National Seminar on "Emerging Trends in Mathematics"	Paper Presented	Vidyasagar University & Calcutta Mathematical Society.
4.	International Conference on Frontiers in Optimization: Theory and Applications (FOTA-2016)	Paper Presented	Operation Research Society of India, Calcutta Chapter and Dept. of Mathematics, Heritage Institute of Technology, Kolkata, India. November 24-26, 2016
5.	UGC sponsored 2 day National Seminar on "Advanced Level of Mathematical Science"	Paper Presented	Raja N.L.K. Womens' College & Chandrakona Vidyasagar

			Mahavidyalaya, Midnapore, 09-10 February, 2017.
6.	106 <sup>th</sup> Indian Science Congress	Paper Presented	Lovely Professional University, Phagwara, Punjab, 03-07 January, 2019

### Invited Talk/ Lecture:

Sl. No.	Topic of the Lecture	Institution	Date
1.	Mathematical Probability	Dept. of Geography, Haldia Govt. College.	17/12/2015
2.	Probability Distribution	Dept. of Geography, Haldia Govt. College.	20/01/2017 and 27/01/2017
3.	Rigid Dynamics	Dept. of Mathematics, Uluberia College, Uluberia, Howrah, India.	18/03/2017

### Project Works:

Sl. No.	Funding Agency, Date & File No.	Title of the Project Work	Amount	Status
1.	University Grants Commission, Minor Research Project. No. - PSW - 134/114 - 15, (ERO) ID No. WV6 - 033, Date - 10 - Feb - 2017	Mathematical Modelling on Marine Fisheries considering reserved and unreserved areas.	Rs. 3,75,000/-	Completed

*Sipankar Sathukhan.*