

Debabrata Das

Curriculum Vitae

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Career Objective

Highly interested in Educational field. Objective is to obtain a honorable faculty position in a reputed institution offering challenge, responsibility and advancement opportunity while utilizing my best knowledge of academics.

Education

- 2000 **Madhyamik**, West Bengal Board of Secondary Education, .
- 2000–2002 **Higher Secondary**, West Bengal Council of Higher Secondary Education, .
- 2002–2005 **Bachelor of Science**, Mathematics, Jadavpur University, .
- 2005–2007 **Master of Science**, Mathematics, Jadavpur University, .
- 25th January **Awarded Ph.D. degree**, *Bio-Mathematics*, Indian Institute of Engineering Science And Technology, Shibpur, Supervisor – Professor Tapan Kumar Kar.
2021 Thesis title: Modelling Some Aspects of The Population Dynamics Relevant to The Management of Marine Fisheries

Achievements

- 2009 *I have been declared successful in GATE-2009 examination and secured All India rank 379, percentile score 85.91 and gate score 359.*
- 2011 Qualify CSIR-UGC Test for Junior Research Fellowship and Eligibility for Lectureship (NET) held on 19-06-2011 and secured 0067/0374 rank in the subject MATHEMATICAL SCIENCE under eligibility for lectureship (NET) category only.
- 2016 I was enrolled for Ph.D Programme in the Department of Mathematics of IEST, Shibpur With effect from March 07, 2016.
- 2017 I was registered for Ph.D programme with Registration number: PHD/R/2017/003 from dated 31.01.2017 at department of mathematics, IEST, Shibpur, under the supervision of Dr. Tapan Kumar Kar.

Research Activity

Broad Area Mathematical Biology

Keywords Stability and bifurcation theory, population management, Management and conservation of fisheries, ecosystem services, Impact of maximum sustainable yield policy, Designing marine protected areas.

Publications

- Jana, S., Haldar, S., **Das, Debabrata**, Nandi, S. K., and Kar, T. K., **Modeling and Analysis of an Ecological System Incorporating Infection and Prey Refuge**. *Biophysical Reviews and Letters*, 13(04), 195-216:(2018) <https://doi.org/10.1142/S179304801850011X>.
- **Das, Debabrata**, and Kar, T.K., **Feedback control and its impact on generalist predator-prey system with prey harvesting**, *Nonlinear Analysis: Modelling and Control*, SCIE, 24, no. 5: 718-732:(2019). <https://doi.org/10.15388/NA.2019.5.3>
- Kar, T.K., **Das, Debabrata**, and Pujaru, Kanisha, **Joint impact of fishing and ecotourism in the Sundarbans: a theoretical perspective**, *International Journal of Dynamics and Control*, Scopus, 8(3), 792-804:(2020). <https://doi.org/10.1007/s40435-019-00597-8>
- **Das, Debabrata**, and Kar, T.K., **Marine reserve and its consequences in a predator-prey system for ecotourism and fishing**, *International Journal of Mathematical Modelling and Numerical Optimisation*, Scopus, Vol. 11, No. 1, 20-36:(2021). <https://doi.org/10.1504/IJMMNO.2021.111720>
- **Das, Debabrata**, Pal, Debprasad, Kar, T.K., and Chaudhuri, KS., **Balanced harvesting in two predators one prey system**, *J. Appl. Math. Comput.* (2021). *SCI*, <https://doi.org/10.1007/s12190-021-01538-5>
- **Das, Debabrata**, Kar, T.K., and Pal, Debprasad, **The impact of invasive species on some ecological services in a harvested predator-prey system**, *Mathematics and Computers in Simulation*. 212 (2023): 66-90 *SCI*, <https://doi.org/10.1016/j.matcom.2023.04.024>

Seminar / Workshop attended

- Participated in a five day National workshop on 'Recent Advances In Modelling & Computational Techniques In Applied Mathematics' from 20th November to 24th November, 2017, organised by Department of Mathematics, IEST, Shibpur
- Participated in the AICTE Sponsored QIP-Short term course on "Advance Numerical Schemes for Scientists a Engineers" at Department of Mathematical Sciences, IIT(BHU) during 12-16 August, 2019.
- Participated in the one-day workshop on "Study and Analysis of Mathematical Models of Moving Boundary Problems" at Department of Mathematical Sciences, IIT(BHU) on August 17, 2019.
- Successfully attended Mathophilia 2020, the two-day International Webinar on "Mathematics & Mathematicians: from Vedic to Present Pandemic", organized by Department of Mathematics, Banwarilal Bhalotia College, Asansol, West Bengal, India, held during July 11-12, 2020.

Professional Experience

Designation Asst. Professor. in Department of Mathematics
Institution B. P. Poddar Institute of Management and Technology
Date of joining 6th August 2008
Experience From joining to till date

Professional development activity

- Participated in a three day Staff Development Programme On Linux Operating system from 28.05.2010 to 05.06.2010 organised by BPPIMT.
- § Participated in a one week Staff Development Programme On Matlab and LaTeX from 29.06.2011

to 05.07.2011 organised by BPPIMT.

- Organised a conference on 'Challenges of Basic research in innovating Technologies' organised by Departments of applied Sciences and Humanities of BPPIMT on 4th May 2013 at institute seminar hall.
- Participated in the UGC Sponsored Orientation Programme for college and university teachers from 14.07.14 to 11.08.2014 held at Jadavpur University UGC-Academic Staff College.
- Organised a one day seminar on 'Operations Research And its Application' at institute seminar hall on dated 12th August, 2016.
- Participated in the workshop on 'Outcome Based Education' at BPPIMT on 24/04/19 and 25/04/19, conducted by National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata.
- Completed the short term training programme on 'Assessment and evaluation under outcome based Education' at BPPIMT on 10/06/19 to 14/06/19(1 week), conducted by National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata.
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "ASTRONOMY, ASTROPHYSICS AND RELATED CHALLENGES" from 04/01/2022 to 08/01/2022 at B.P.Podar Institute of Management and Technology.
- Completed the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre (MMTTC), Jadavpur University from 20/05/2024 to 31.05.2024

Languages

Bengali **Mothertongue**
English **Spoken, Reading and Writing**
Hindi **Spoken and Reading**

Interests

- Volleyball
- Detective Novel
- Football
- Listening music

Declaration

I hereby declare that the information furnished above is true to the best of knowledge.