TRINA ROY

Address: Murari Apartment, 2nd Floor, Pioneer Park, Near Rail Godown, Barasat, North 24 Parganas, West Bengal-700124

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Summary

- Date of Birth: 30/04/1994
- Religion: Hinduism
- Nationality: Indian
- Sex: Female
- Category: SC
- Marital status: Married

EDUCATION

- **Secondary** **(Year: 2010)**
  Board: West Bengal Board of Secondary Education
  Percentage of Marks: 77.87
- **Higher Secondary** **(Year: 2012)**
  Board: West Bengal Council of Higher Secondary Education
  Percentage of Marks: 82.2
- **B.Sc (Hons) in Mathematics** **(Year: 2015)**
  Presidency University
  Percentage of Marks: 71.1
- **M.Sc in Applied Mathematics** **(Year: 2017)**
  University of Kalyani
  Percentage of Marks: 89
- **NET** **(Year: 2016 (December))**
  CSIR
- **Ph.D.** **(Year: 2024)**

Ph.D. thesis

- **Title:** Determination of the growth curve model(s) for cell proliferation and other close resemblance system in population ecology with density and time dependent parameter(s): Deterministic and stochastic approaches
- **Guide's Name:** Prof. Sabyasachi Bhattacharya
- **Institute:** Indian Statistical Institute, Kolkata

- **Ph.D. registration:** University of Calcutta
- **Thesis submission date:** 28th March 2023
- **Thesis submission date:** 19th April 2024

Present Position:

- **Adjunct Faculty at Adamas University, Barasat**
  Joining date: 1st September 2023
  Till: 30th June 2024
  Pay Scale: 35000/Month

Work experience:

- **Position held: CSIR Research Fellow at Indian Statistical Institute, Kolkata**
  Duration: 1st November 2017 - 31st October 2022
  Pay Scale: 43400/Month

Professional Certificate received

- **Workshop on Statistical Methods and R Programming for Biologists**
  Certificate on: Participation Year: 7th -13th March, 2018
- **5th India Biodiversity Meet 2018**
  Certificate on: Participation Year: 15th -17th March, 2018
- **Workshop on Species Distribution Modelling with Maxent and R**
  Certificate on: Participation Year: 3rd -9th December, 2018
- **Workshop on Growth Curve Models in Population Dynamics Using R for Biologists**
  Certificate on: Participation Year: 12th -13th February, 2019
- **6th India Biodiversity Meet 2019 (International Conference)**
  Certificate on: Oral presentation Year: 14th -16th February, 2019
- **Two-Day State Level Workshop and Hands-on Training programme on "The Joy of Computing using Python"**
  Certificate on: Participation Year: 19th -20th August, 2019
- **7th India Biodiversity Meet 2019 (International Conference)**
  Certificate on: Poster presentation Year: 19th -21st November, 2019
- **International Conference on Advances in Higher Mathematics, Mathematical Sciences and Mathematical Modelling**
  Certificate on: Oral presentation Year: 20th -22nd December, 2019
- **Winter School on "Use and Application of SPSS"**
  Certificate on: Participation Year: 27th -31st January, 2020
- **Dynamical Systems Applied to Biology and Natural Sciences (DSABNS 2022- virtual)**
  Certificate on: Participation Year: 8th -11th February, 2022
- **Models in Population Dynamics, Ecology and Evolution (MPDEE 2022)**
  Certificate on: Oral presentation (Virtual) Year: 13th-17th June, 2022

- **International Society for Behavioral Ecology Congress 2022**
  Certificate on: Oral presentation Year: 28th July-2nd August, 2022
- **Training-cum-Workshop on Mathematical Biology (TWMB-2022)**
  Certificate on: Participation Year: 19th -20th September, 2022

Award:

- **International Travel Scheme (ITS) from Science and Engineering Research Board (SERB):**
  Sanction order no: ITS/2022/001048 dated 16 November, 2022
  "The 18th International Society for Behavioral Ecology ongress 2022, Sweden (28 July, 2022 to 02 August, 2022)" held in "Stockholm, Sweden".

Publications:

- Roy, T., Ghosh, S., Kundu, S., Paul, A. and Bhattacharya, S., 2021. On developing a mathematical model for self-inducing proliferation and its regulation: Illustrations through scratch assay and stem cell data. Bull. Calcutta Math. Soc, 113, pp.271-308.
- Roy, T., Ghosh, S. and Bhattacharya, S., 2022. A new growth curve model portraying the stress response regulation of fish: Illustration through particle motion and real data. Ecological Modelling, 470, p.109999.
- Roy, T., Ghosh, S., Saha, B. and Bhattacharya, S., 2022. A noble extended stochastic logistic model for cell proliferation with density-dependent parameters. Scientific Reports, 12(1), p.8998.

Declaration

- I hereby declare that the above mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned.

Trina Roy
14.05.24