



Dr. (Mrs) Surabhi Dasgupta

Department: Statistics

Designation: Assistant Professor

Qualification: Phd

Teaching Experience:

20 years. Presently serving as Assistant Professor (Stage II) in a fulltime substantive post.

Specialisation: Advanced Multivariate Analysis, Statistical Inference, Operations Research

Research Experience:

- Pursued doctoral research under the supervision of Prof. (Dr.) U. K. De, Professor of Environmental Science, School of Environmental Studies Jadavpur University. 3 papers were published in leading national and international journals.

Title of Thesis: “Application of Statistics for Forecasting and Characterization of premonsoon convective developments.”

- Pursued post – doctoral research both independently as well as jointly with Avik Ghosh Dastidar of the School of Environmental Studies Jadavpur University and Deepanwita Ghosh of Indian Association for the Cultivation of Science. 2 papers were published in leading national journals.
- Presently engaged in collaborative research with Jagadis Bose National Science Talent Search, Kolkata on the applications of Statistics in Psychology and Education. 1 paper was accepted for oral presentation at an international conference in Antalya, Turkey.

Publications:

- Science Mentoring of moderately high-ability disadvantaged students in an inclusive set-up: An Indian experiment. *P. Roy, S. Dasgupta and M. Mukherjee (Accepted for oral presentation at the 5th World Conference on Science and Technology Education, 2016 organized by International Council of Association for Science Education (ICASE) at Antalya, Turkey.)*
- A statistical study of pre-monsoon weather over South Bengal using descriptive and inferential techniques. *S. Dasgupta & U. K. De Mausam, Vol 61 (Issue 4,) (2010) pp 547-552.*

- Higher order Markov Chain models for monsoon rainfall over Gangetic West Bengal, India. A. Ghosh Dastidar, D. Ghosh , S.Dasgupta & U. K. De, *Indian Journal of Radio and Space Physics*, Vol 39 (2010), pp 39-44.
- Binary Logistic Regression Models for short-term prediction of pre-monsoon convective developments over Kolkata (India). S.Dasgupta & U.K. De, *International Journal of Climatology*, Vol 27 pp 831-836.
- A Logistic Regression Model for prediction of pre-monsoon convective developments over Kolkata (India). S. Dasgupta & U. K De, *Indian Journal of Radio & Space Physics*, Vol 33 (2004), pp 252-255.
- Markov Chain Models for pre-monsoon thunderstorms in Calcutta, India. S. Dasgupta & U. K. De, *Indian Journal of Radio & Space Physics*, Vol 30 (2001), pp 138-142.

Seminars and Workshops

- Was Joint Convener of a National Seminar on “*Applications of Statistics and Statistical Computing*” organised by St. Xavier`s College, Kolkata (Autonomous) from January 30th January 31st, 2013.
- Attended a National Seminar on “*Applications of Statistics in multidisciplinary fields*” at Lady Brabourne College, Kolkata from November 26th-November 27th 2011.
- Paper presentation on “*Pre-monsoon weather in North Bengal and adjoining hilly areas- A Statistical Overview*” at the national seminar on “*Geo-scientific aspects of landscape evolution of North Bengal – Sikkim: Environmental Problems & Development Prospects*” sponsored by *West Bengal Academy of Science(WAST)* at Central Glass & Ceramic Research Institute (CGCRI) from December 8th – December 9th 2005.
- Attended a National Seminar on “*Statistics in Industry, Business and Finance*” at the Department of Statistics, University of Calcutta from March 21st-March 22nd, 2003.
- Poster presentation on “*Markov Chain Models for pre-monsoon thunderstorms in Calcutta(India)*” at the **7th State Science & Technology Congress** sponsored by the *Department of Science & Technology and NES, Govt. of West Bengal, West Bengal State Council of Science & Technology and Paschimanga Vigyan Mancha* held at Jadavpur University from February 28th- March 1st 2000.