

# ***Dr. (Mrs) Surabhi Dasgupta***

*Department of Statistics  
St. Xavier`s College (Autonomous) Kolkata. India.*

***Designation:*** Associate Professor

***Qualification:*** Phd

***Institutional mail id:*** [sdg.stat@sxccal.edu](mailto:sdg.stat@sxccal.edu)

***Teaching Experience:*** 25 years. (Teaching and Project Guidance to UG students)

***Specialisation:*** Advanced Multivariate Analysis, Statistical Inference, Operations Research

## ***Research Experience:***

Pursued doctoral research under the supervision of Late ***Prof. (Dr.) U. K. De, School of Environmental Studies Jadavpur University***. Degree was awarded in 2008.

3 papers were published in leading national and international journals.

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

## **Collaborative Research :**

### ***At personal level:***

1. Pursued post doctoral research jointly with ***Avik Ghosh Dastidar*** of the ***School of Environmental Studies, Jadavpur University*** and ***Deepanwita Ghosh*** of ***Indian Association for the Cultivation of Science*** for two years. (2008-2010). 2 papers were published in leading national journals.
2. Guided ***Ft. Lt. Aamol Jadav***, Meteorological Department, ***Indian Air-Force, Panagarh Base*** in his personal project “Higher Order Markov Chains for thunderstorms over Panagarh.” (2017).

### ***At institutional level:***

Was the academic collaborator of ***Jagadis Bose National Science Talent Search (JBNSTS)*** from 2015-2016 in their project under the West Bengal District Scheme (WBDS) funded by the Department of Higher Education, Government of India.

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**Publications:**

1. Ideal teacher qualities as perceived by high-ability students from low socio-economic backgrounds: A study based in West Bengal, India.  
*P. Roy and S. Dasgupta, Indian Educational Review, Vol 56 No 2(2017)*
2. Science Mentoring of moderately high-ability disadvantaged students in an inclusive setup: 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.)*
3. 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.*
4. 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.*
5. 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(2007) pp 831-836.*
6. 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.*
7. 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:**

1. Was a *resource person* at a 5-day workshop on “*Machine Learning in Data Science*” at B.P. Poddar Institute of Management & Technology, Kolkata from August 11<sup>th</sup> to August 15<sup>th</sup> 2020. (*Held Online*).
2. Was session *Rapporteur* at the Samindranath Sengupta Memorial Session at the *International Triennial Symposium on Probability and Statistics* held at the Department of Statistics, University of Calcutta on December 29<sup>th</sup> 2018.

3. Was Joint Convener of a National Seminar on “***Applications of Statistics and Statistical Computing***” organised by St. Xavier’s College, Kolkata (Autonomous) from January 30<sup>th</sup>-January 31<sup>st</sup>, 2013.
4. Attended a National Seminar on “***Applications of Statistics in multidisciplinary fields***” at Lady Brabourne College, Kolkata from November 26<sup>th</sup>-November 27<sup>th</sup> 2011.
5. 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 8<sup>th</sup> – December 9<sup>th</sup> 2005.
6. Attended a National Seminar on “***Statistics in Industry, Business and Finance***” at the Department of Statistics, University of Calcutta from March 21<sup>st</sup>-March 22<sup>nd</sup>, 2003.
7. 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 Paschimbanga Vigyan Mancha* held at Jadavpur University from February 28<sup>th</sup>- March 1<sup>st</sup> 2000.