



**Name:** Ayan Chandra  
**Designation:** Assistant Professor  
**Department:** Statistics  
**Qualification:** M.Sc., Ph.D.  
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**Teaching Experience:**

Teaching at Department of Statistics, St. Xavier's College, Kolkata since September, 1999.

Taught Discrete Mathematics, Data Structure and C programming in Indira Gandhi National Open University.

**Administrative Experience:**

Acted as the Head of the Department of Statistics, St. Xavier's College (Autonomous), Kolkata from December, 2011 to June, 2015.

Working as the Member Secretary, Academic Council of St. Xavier's College (Autonomous), Kolkata since 1<sup>st</sup> March, 2017.

**Area of Research:** Operations Research, Optimisation Techniques, Bio-Statistics.

**Papers Published:**

1. "Some Inventory Models With Random Supply" (2002) – IAPQR Transactions.
2. "Some Alternative Methods of Finding the Optimal Order Quantity in Inventory Models" (2005) – Calcutta Statistical Association Bulletin.
3. "Estimation of Optimal Order Quantity in Newsboy Problem" (2011) - IAPQR Transactions.
4. "Effectivity of Vehicular Banning and its Reflection in Diseases" (2011) – Nature, Environment and Pollution Technology.
5. "An Alternative Solution to a Simple Inventory Problem" (2014) - IAPQR Transactions.
6. "Isotherm Study in Arsenic Tolerant Bacteria Isolated from Arsenic Affected Area in West Bengal, India" (2014) - IOSR Journal of Environmental Science, Toxicology and Food Technology.

7. “EOQ and its Estimation in a Static One-Point Inventory Model” (2017) – IAPQR Transactions.
8. “p-Benzoquinone initiates non-invasive urothelial cancer through aberrant tyrosine phosphorylation of EGFR, MAP kinase activation and cell cycle deregulation: Prevention by vitamin C” (2017) – Toxicology Reports, ELSEVIER.
9. “Pathobiology of cigarette smoke-induced invasive cancer of the renal pelvis and its prevention by vitamin C” (2018) - Toxicology Reports, ELSEVIER
10. “Rhizospheric soil of *Typha angustifolia* L from heavy metal contaminated and free sites: Comparative profiling reveals selective abundance of  $\gamma$ -proteobacteria and  $\beta$ -proteobacteria” (2019) - Indian Journal of Experimental Biology Vol. 57, October 2019, pp. 733-740.
11. “Covid-19 and the South Asian Countries: factors ruling the pandemic” (2021) – Listed under Global Literature on coronavirus disease by World Health Organisation.

#### **Paper Presentation and Participation in Seminar / Workshop**

1. Presented a paper in 90<sup>th</sup> Indian Science Congress held at Bangalore in January, 2003.
2. Attended the workshop on “Computer Applications of Statistics” at Department of Statistics, University of Calcutta in August, 2003.
3. Participated in 5<sup>th</sup> International Triennial Calcutta Symposium on Probability and Statistics in December, 2003.
4. Presented a paper in 11<sup>th</sup> International Conference of the Forum for Interdisciplinary Mathematics held at Lucknow in December, 2004.
5. Presented a paper in 93<sup>rd</sup> Indian Science Congress held at Hyderabad in January, 2006.
6. Presented a paper in National Seminar on Statistics held at Loyola College Chennai in February, 2006.
7. Participated in UGC sponsored National Seminar – Cum – Workshop on “Evaluation System at Undergraduate Level” organized by St. Xavier’s College, Kolkata and West Bengal college & University Teachers’ association in April, 2007.
8. Presented a paper in 95<sup>th</sup> Indian Science Congress held at Visakhapatnam in January, 2008.
9. Presented a paper in National Conference on “Environmental Pollution of Biosphere and its Management” organized by St. Xavier’s College, Kolkata and ICFAI Research Centre, Kolkata in June, 2008.
10. Guided students of Statistics and Micro-Biology departments for presenting papers in 96<sup>th</sup> Indian Science Congress held at Shillong in January, 2009.

11. Participated in STST programme (supported by Department of Science and technology, Government of India) on “Skill Set Development Program in Information and Communication Technology” in June, 2009.
12. Presented a paper in National Workshop on “Medical Statistics and Clinical Trials” held at Pune in December 2010 and was awarded the First prize for paper presentation.
13. Guided students of Statistics and Micro-Biology departments for presenting papers in 97<sup>th</sup> Indian Science Congress held at Thiruvananthapuram in January, 2010.
14. Guided students of Statistics and Micro-Biology departments for presenting papers in 98<sup>th</sup> Indian Science Congress held at Chennai in January, 2011.
15. Participated in International Conference ‘St. Xavier’s Global Earth Summit’ in March, 2011.
16. Participated in National Level Seminar on “Application of Statistical Tools and Techniques in Multidisciplinary Fields” at Lady Brabourne College, Kolkata in November, 2011.
17. Guided students of Statistics and Micro-Biology departments for presenting papers in 99<sup>th</sup> Indian Science Congress held at Bhubaneswar in January, 2012.
18. Presented a paper in the International Conference on Operations Research held at Tirupati in December, 2014 and was awarded the “Best Application Paper Award”.
19. Presented a paper in 103<sup>rd</sup> Indian Science Congress held at Mysuru in January, 2016.
20. Presented a paper in the International Conference of Association of Inventory Academicians and Practitioners on “Emerging Trends in Inventory, Supply Chain & Reliability Modeling”.

### **Lectures Delivered as Expert**

1. Delivered two lectures in a programme on “Statistical Methods on Social Research” organized by Indian Association for Productivity, Quality & Reliability in August, 2009.
2. Delivered lectures in Ph.D. course work programme of Department of Micro-Biology, Bose Institute in June-July, 2015.
3. Delivered lectures in Ph.D. course work programme of Department of Micro-Biology, Bose Institute in June-July, 2016.
4. Delivered lectures in Ph.D. course work programme at St. Xavier’s College (Autonomous), Kolkata in 2016.
5. Delivered lectures in Ph.D. course work programme of Department of Micro-Biology, Bose Institute in August-September, 2017.

6. Delivered lectures in Ph.D. course work programme at St. Xavier's College (Autonomous), Kolkata in 2017.
7. Delivered lectures in Ph.D. course work programme at St. Xavier's College (Autonomous), Kolkata in 2018.
8. Delivered lectures in Ph.D. course work programme at St. Xavier's College (Autonomous), Kolkata in 2019.
9. Delivered lecture in online PhD Coursework organized by Department of Radio Physics and Electronics, University of Calcutta in September, 2020.
10. Delivered an invited lecture in International Workshop on High Performance Computer Application organized by Azerbaijan State Oil and Industry University, Baku in Collaboration with St. Xavier's College (Autonomous), Kolkata during 17<sup>th</sup> and 18<sup>th</sup> November, 2020.
11. Delivered lectures on NIRF Ranking framework on various workshops organized by Department of Higher Education, Government of West Bengal.