

## CURRICULUM VITAE



- **NAME:-** Dr. Reba Maji
- **DESIGNATION :** Assistant Professor
- **EMAIL ID :** rebamaji09@gmail.com
- **QUALIFICATION :** M.Sc, Ph.D.
- **ADDRESS:** East Mall Road, Kolkata 700080
- **OFFICIAL ADDRESS:** Department of Mathematics, Sarojini Naidu College for Women, 30 Jessore Road, Dumdum, Kolkata 700028

### EDUCATIONAL QUALIFICATIONS :

- Ph.D., Department of Mathematics & Computing, Indian Institute of Technology (Indian School of Mines), Dhanbad, India in the year 2020
- M.Sc. (**Gold Medalist**), Mathematics. Department of Applied Mathematics, Indian Institute of Technology (Indian School of Mines), Dhanbad, India in the year 2011
- B.Sc., Mathematics Honors. Banwarilal Bhalotia College, The University of Burdwan, WB, India in the year 2009

### ADDITIONAL QUALIFICATION :

- GATE 2011 and CSIR-UGS NET 2011

### AREAS OF INTEREST :

- Sample Surveys
- Statistical Inference
- Industrial Statistics

### TEACHING EXPERINCE :

- Assistant Professor, Department of Mathematics, Sarojini Naidu College for Women since February 2015.
- Assistant Teacher in Mathematics, Gour-Bazar Junior high school from July 2011 to January 2015.

### PROFESSIONAL MEMBERSHIP :

### ADMINISTRATIVE EXPERIENCE :

- HOD, Department of Mathematics, Sarojini Naidu College for Women since July 2020 to May 2021.

## PROJECT/DISSERTATION GUIDANCE

## PAPER PUBLICATIONS

1. **Maji, R.**, Bandyopadhyay, A. and Singh, G. N. (2016): Efficient and Unbiased Estimation Procedure of Population Mean in Two-Phase Sampling. Journal of Modern Applied Statistical Methods, 15 (2), pp. 171-186. (Scopus indexed)
2. **Maji, R.**, Singh, G. N. and Bandyopadhyay, A. (2017): Effective Estimation Strategy of Finite Population Variance Using Multi-auxiliary Variables in Double Sampling. Journal of Modern Applied Statistical Methods, 16(1), pp. 158-178. (Scopus indexed)
3. **Maji, R.**, Singh, G. N., Bandyopadhyay, A. and Mukhopadhyay, P. (2018): Hunt for efficient variance estimation strategy in two – occasion successive sampling using fuzzy tools. Journal of Information and Optimization Sciences, 39 (5), pp. 1163-1186. (ESCI; Web of Science indexed)
4. **Maji, R.**, Singh, G. N. and Bandyopadhyay, A. (2018): Effective Estimation of Ratio and Product of Two Population Means in Presence of Random Non-Response in Successive Sampling. Journal of Statistics Applications & Probability, 7 (2), pp. 363-378. (Scopus indexed)
5. **Maji, R.**, Singh, G. N. and Bandyopadhyay, A. (2018): Efficient Variance Estimation Strategy in Two-Occasion Successive Sampling. International Journal of Applied Mathematics and Statistics, 57 (3), pp. 194 – 202. (ESCI; Web of Science indexed)
6. **Maji, R.**, Singh, G. N. and Bandyopadhyay, A. (2019): Estimation of Population Mean in Presence of Random Non-Response in Two-Stage Cluster Sampling. Communications in Statistics – Theory and Methods, 48(14), pp. 3586-3608. (SCI indexed)
7. **Maji, R.**, Singh, G. N. and Bandyopadhyay, A. (2021): On the Use of Predictive Approach in Estimation of Population Mean under Successive Sampling Scheme. Journal of Information and Optimization Sciences, 42(6), pp. 1237-1270.

## PUBLISHED BOOK

## CONFERENCE AND ABSTRACT PROCEEDINGS

## PAPER PRESENTATIONS

- Presented a paper entitled “Efficient Variance Estimation Strategy in Two-Occasion Successive Sampling” on “International Conference on “Applications in Fluid Dynamics” (ICAFD 2016)”

organized by Indian Institute of Technology (Indian School of Mines), Dhanbad during Dec 19-21, 2016.

- Presented a paper entitled “Use of Predictive Approach in Estimation of Population Mean under Successive Sampling Scheme” on “International Conference on Applied Mathematics (ICAM 2024)” organized by Department of Applied Mathematics, Vidyasagar University, Midnapore, West Bengal during June 27-28, 2024.
- Presented a paper entitled “Variance Estimation Strategy in Successive Sampling” on “International Conference on Recent Developments in Research (ICRDR 2025)” organized by Department of Mathematics and Department of B.Ed, Tamralipta Mahavidyalaya, Tamruk, West Bengal during March 18-19, 2025.

#### ADDITIONAL ACADEMIC PERFORMANCE:

- Served and serving as Examiner and Scrutineer in UG level examinations for West Bengal State University.
- Referee of two international journals of Statistics, Journal of Modern Applied Statistical Methods and Journal of Statistics Application and Probability.
- Participated in Short Term Course on “Soft Skill Development and Stress Management”, Feb 9 – 16, 2016, CCSSS, Jadavpur University.
- Worked in the organizing committee in One day National level seminar on “Recent trends in Mathematics and its application”, Sarojini Naidu College for Women, Kolkata on Jan 11, 2019.
- Worked in the organizing committee in One day State level seminar on “Mathematics for All”, Sarojini Naidu College for Women, Kolkata on Mar 16, 2019.
- Participated in five day Faculty Development Program on “Quality Enhancement: Online Teaching, Learning and Assessment” organized by St Francis De Sales College, Bengaluru held from May 12-16, 2020.
- Participated in 4-week Orientation Programme organized by Teaching Learning Centre, Ramanujan College, University of Delhi held from Jun 26 – Jul 24, 2020 and obtained grade A+.
- Participated in 30<sup>th</sup> Orientation Programme organized by UGC HRDC Mizoram University held from Jul 28 – Aug 17, 2020 and obtained grade A.
- Participated in the UGC-STRIDE Refresher Course on “Research Methodology: Research Ethics, Methods, Skills, Writing and Communication” organized by Mizoram University held from Aug 19 – Sept 01, 2020 and obtained grade A.
- Participated in the Refresher Course in Mathematics organized by UGC HRDC North Bengal University held from Jan 08 – 21, 2021 and obtained grade A.
- Participated in the Refresher Course in Recent Advancement in Science and Technology organized by UGC HRDC North Bengal University held from Feb 15 – 28, 2022 and obtained grade A+.

- Participated in seven day Short Term Course on “Methodology of Effective Teaching – Learning and Research” organized by Sarojini Naidu College for Women in collaboration with UGC HRDC North Bengal University held from May 20-26, 2022.
- Participated in the Short Term Course on IPR and Patents organized by UGC HRDC Mizoram University held from Sep 23 – 29, 2022.
- Participated in the Short Term Course on Applied Statistics organized by UGC HRDC Mizoram University held from Jul 11 – 17, 2023.
- Participated in the Online Workshop on Leadership Development Programme organized by UGC HRDC Mizoram University held on Aug 18, 2023.
- Participated in 30-Hours International Faculty Development Programme on Research Methodology in Social sciences: Concepts, tools and Techniques organized by IQAC, Sarojini Naidu College for Women in collaboration with Indian Academic Researchers Association (IARA) held from Apr 29 – May 15, 2024 and obtained grade A++.