Dr. Arindom Chakraborty

Department of Statistics
Visva-Bharati University
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✉ *arindom.chakraborty@visva-bharati.ac.in*

Education

2012 : **PhD, Statistics**, *University of Calcutta*, India.

Title:, *Nonstandard Data Analysis in Some Complex Models*.

Thesis Topic:, *I mainly focused on analysing ordinal longitudinal data subject to linear/non-linear mixed effects models. Joint modelling of time-to-event and ordinal longitudinal model was the core of the thesis. MCEM based methods were used for estimation.*.

Advisor:, ***Prof. (Retired) Kalyan Das***, Department of Mathematics, Indian Institute of Technology Bombay, India .
Personal Web-page

2003 : **Master of Science, Statistics**, *University of Calcutta*, Kolkata, India.

2001 : **Bachelor of Science, Statistics**, *Asutosh College*, Kolkata, India.

Research Area

Joint modeling, Bayesian Computation, Drug-drug interactions, Statistical Genetics, Ordinal data, Distribution Theory

Research Experience

Indiana University School of Medicine, Indiana University Purdue University Indianapolis, USA

November,2012 – October, 2014 **Post-doctoral Fellow**.
Worked in the area of eQTL mapping and higher order drug drug interactions using empirical Bayesian methods

Advisor : **Dr. Lang Li**, *Professor and Chair of the Department of Biomedical Informatics*, The Ohio State University College of Medicine (*Personal Web-page*)

Indian Statistical Institute, Kolkata

May,2004 – October,2004 ***Junior Research Fellow, Human Genetics Unit***.
Started working in the are of statistical genetics

Advisor : **Dr. Partha Pratim Majumder**, *Distinguished Professor* , NIBMG (*Personal Web-page*)

2020 **Member, Statistical Modelling Group**.
MHRD-IIT Bombay COVID-19 Research Group *(Web-page)*

Teaching Experience

November,2004 – till date ***Faculty, Department of Statistics, Visva-Bharati University, Santiniketan, India***.

Fellowships & Awards

2000 ***Summer Research Fellowship*** of Indian Academy of Sciences

2002 UGC-CSIR Junior Research Fellowship (Among top 20% in Mathematical Sciences for the year 2002)

2009 Received International Travel Support from DST, Government of India to attend International Symposium in Statistics at Memorial University, Canada

2024 Received International Travel Support from DST, Government of India to attend International Conference on Advancement in Statistics at Budapest, Hungary

Publications

Methodological

2024 **A. Chakraborty**⋆, S. Rana, and S.I. Maiti. Transmuted shifted Lindley distribution: Characterizations, classical and Bayesian estimation with applications. *Annals of Data Science*, volume https://doi.org/10.1007/s40745-024-00562-z, 2024.

2024 S. Dutta, P. Ghosh, and **A. Chakraborty**⋆. Modeling informative dropout in longitudinal data: A joint model approach. *Journal of Statistical Research (Scopus)*, volume 58(1), pages 97–110, 2024.

2022 S.Rana, S.I. Maiti, and **A. Chakraborty**⋆. On some characterizations of extended generalised shifted Lindley distribution. *Statistica (Scopus)*, volume LXXXII, (4),, pages 393–416, 2022.

2022 S.I. Maiti, S. Rana, and **A. Chakraborty**⋆. On shifted Lindley distribution. *Statistics & Applications (Web of Science)*, volume 20 (1), page 1–17, 2022.

2021 S. Dutta and **A. Chakraborty**⋆. Joint model for longitudinal and time-to-event data: A two-stage approach. ***Journal of Statistics Applications and Probability (Scopus)***, volume 10(3), pages 1–13, 2021.

2021 S. Dutta, G. Molenberghs, and **A. Chakraborty**⋆. Joint modelling of longitudinal response and time-to-event data using conditional distributions : A Bayesian perspective. *Journal of Applied Statistics*, volume DOI:10.1080/02664763.2021.1897971, 2021, **(Impact Factor:1.013)**.

2020 **A. Chakraborty**⋆ and K. Das. A study on the appropriate use of topdown approach for stepping up economic activities in districts of different states/union territories in India. ***medRxiv***, volume https://doi.org/10.1101/2020.06.11.20091322, 2020.

2020 **A. Chakraborty**⋆ and K. Das. How far covid19 virus spread can be curbed by relaxing lockdown in different stages?-a study in Indian scenario. ***medRxiv***, volume https://doi.org/10.1101/2020.06.11.20129023, 2020.

2020 S. Dutta, K. Das, K. Chatterjee, and **A. Chakraborty**⋆. What if lockdown is removed? district level predictions for Maharashtra and Gujarat. ***Statistics and Applications (Scopus)*** , volume 18, pages 209–221, 2020.

2018 **A. Chakraborty**⋆. The apocalypse of p-value. ***Indian Journal of Aerobiology (UGC-CARE)***, volume 31, pages 7–12, 2018.

2016 **A. Chakraborty**⋆. Bounded influence function based inference in joint modelling of ordinal partial linear model and accelerated failure time model. ***Statistical Methods in Medical Research***, volume 25(6), pages 2714–2732. Sage, 2016, **(Impact Factor:2.388)**.

2015 L. Du, **A. Chakraborty**, C-W Chiang, L. Cheng, S. Quinney, H-Y. Wu, P. Zhang, L. Li, and L. Shen. Graphic mining of high-order drug interactions and their directional effects on myopathy using electronic medical records. ***CPT: Pharmacometrics & Systems Pharmacology***, volume 4, page 481–488. Wiley, 2015, **(Impact Factor:4.938)**.

2013 **A. Chakraborty**, G. Jiang, M. Boustani, Y. Liu, T. Skaar, and L. Li. Simultaneous inferences based on empirical Bayes methods and false discovery rates in eqtl data analysis. ***BMC Genomics***, volume 14. Springer Nature, 2013, **(Impact Factor:4.56)**.

2012   Das K. and **Chakraborty A.** Robust analysis in joint models: an application to a study on muscular dystrophy. ***Statistics in medicine***, pages 4049–60. Wiley, 2012, **(Impact Factor:2.0)**.

2010   **A. Chakraborty** and K. Das. Inferences for joint modelling of repeated ordinal scores and time to event data. ***Computational and mathematical methods in medicine***, volume 11, pages 281–295. Hindawi, 2010, **(Impact Factor:0.9)**.

2008   **A.Chakraborty** and K. Das. Mixed models for ordinal data: A pharmacokinetic study on the effectiveness of drug for the reduction of epileptic seizures. ***Statistics in medicine***, volume 27(18), pages 3490–3502. Wiley, 2008, **(Impact Factor:2.0)**.

2007   A. Sarkar, **A. Chakraborty**⋆, and A. Chaudhuri. A method of finding predictor genes for a particular disease using a clustering algorithm. ***Communications in Statistics-Simulation and Computation***, volume 37(1), pages 203–211. Taylor & Francis, 2007, **(Impact Factor:0.9)**.

Applied

2024   M. Banerjee, D. Chakraborty, and **A. Chakraborty**⋆. Molecular characterization, Phylogenetic and Variation analyses of SARS-CoV-2 strains in India. *Virus Disease (Springer)*, volume 15, pages 462–477, 2024.

2022   K. Chatterjee, S. D. Roy, K. Chakraborty, A. Haque, S. Chakrabarti, S. Mukherjee, S. Mal, N. Das, S. K. Sahu, N.R. Chattopadhyay, N. Roy, P. Das, R.R. Reddy, M. Aier, A.K. Das, N. Baishya, R.R. Kannan Z.Puii, E. Zomawia, Y.I. Singh, S. Tsering, K. Riba, S. Rajasubramaniam, B.S.Das, A. R. Suryawanshiand **Arinodm Chakraborty**, S. Ghatak, and T. Choudhuri. Lifestyle, Epstein-Barr virus infection, and other factors could impede nasopharyngeal cancer survivorship: a five-year cross-sectional study in North Eastern India. *VirusDisease*, volume doi: https://doi.org/10.1007/s13337-022-00789-5, 2022.

2021   K. Chatterjee, S. De, S. D Roy, S.K. Sahu, **A. Chakraborty**, S. Ghatak, N. Das, S. Mal, N. Roy Chattopadhyay, P. Das, R.R. Reddy, A. K. Das, S. Mukherjee, Zorang Puii, Eric Zomawia, Y I. Singh, S. Tsering, Komri Riba, S. Rajasubramaniam, A. Suryawanshi, and T. Chaudhury. Bax -248 g>a and bcl2 -938 c>a variant lowers the survival in patients with nasopharyngeal carcinoma and could be associated with tissue-specific malignancies: a multi-method approach. *Asian Pacific Journal of Cancer Prevention*, volume 22(4), pages 1171–1181, 2021, **(Impact Factor:2.514)**.

2020   M. Saha, **A. Chakraborty**, and K. Bhattacharya. Aerobiology, epidemiology and disease forecasting of false smut disease of rice in West Bengal, India. ***Aerobiologia***, volume 36, page 299–304. Springer, 2020, **(Impact Factor:2.376)**.

2020   P. Chakraborty, **A. Chakraborty**, and S.G. Bhattacharya. Dispersal of airborne pathogenic conidia of bipolaris oryzae with reference to brown spot disease of rice crop in a farm of West Bengal, India: a two year survey. *Journal of Tropical Agriculture*, volume 58(2), pages 199–208, 2020.

2019   T. Basak, **A. Chakraborty**, and K. Bhattacharya. Identification of airborne pollen allergens from two avenue trees of India. ***International Journal of Environmental Health Research***, volume 29(4), pages 414–429. Taylor & Francis, 2019, **(Impact Factor:3.2)**.

2018   S. Banerjee, A. Sar, A. Misra, S. Pal, **A. Chakraborty**, and B. Dam. Increased productivity in poultry birds by sub-lethal dose of antibiotics is arbitrated by selective enrichment of gut microbiota, particularly short-chain fatty acid producers. ***Microbiology***, volume 164(2), pages 142–153. London: Microbiology Society, 2018, **(Impact Factor:1.5)**.

2017   M. Saha, **A. Chakraborty**, and K. Bhattacharya. Indoor and outdoor airspora of West Bengal state central library, India. ***Advances in Pollen Spore Research***, volume XXXV, pages 81–90, 2017.

2017   M. Saha, **A. Chakraborty**, and K. Bhattacharya. Distribution pattern of airborne fungi in indoor environment of a district hospital of West Bengal, India. ***Journal of Palynology***, volume 53, pages 95–108, 2017.

2017   S. Roy, **A. Chakraborty**, S. Maitra, and K. Bhattacharya. Monitoring of airborne fungal spore load in relation to meteorological factors, air pollutants and allergic symptoms in Farakka, an unexplored biozone of eastern India. ***Environmental Monitoring and Assessment***, volume 189(8), page 370. Springer, 2017, **(Impact Factor:3.0)**.

2017   T. Basak, **A. Chakraborty**, and K. Bhattacharya. Pollen spectrum variations in the atmosphere of Santiniketan, West Bengal and influence of meteorological parameters & air pollution. ***Indian Journal of Scientific Research***, volume 17(1), pages 1–12, 2017.

2017   T. Basak, **A. Chakraborty**, and K. Bhattacharya. Investigation of aerial pollen diversity in Santiniketan, West Bengal and prediction of pollen concentration: a new statistical approach for forecasting of pollen season. ***Indo American Journal of Pharmaceutical Sciences***, volume 4(11), pages 4576–4587, 2017.

2015   M. Saha, **A. Chakraborty**, and K. Bhattacharya. Correlation between meterological factors and aeromycoflora over the crop canopy of rice in West Bengal, India. ***Journal of Palynology***, volume 51, pages 49–58, 2015.

2015   M. Saha, **A. Chakraborty**, and K. Bhattacharya. Assessment of aeromycoflora in suburban West Bengal, India with reference to meteorological parameters. ***Indian Journal of Aerobiology*** , volume 28, pages 14–20, 2015.

2015   E. M. Lavoie Smith, , L. Li, C. Chiang, K. Thomas, R. J. Hutchinson, E. M. Wells, **A. Chakraborty**, and J. Renbarger. Patterns and severity of vincristine-induced peripheral neuropathy in children with acute lymphoblastic leukemia. ***Journal of the Peripheral Nervous System***, volume 20(1), page 37–46. Wiley, 2015, **(Impact Factor:3.8)**.

2015   A. Chakraborty, **A. Chakraborty**, S. Chowdhury, S. Sengupta, and M. Bhattacharyya. Association of mthfr $677c > t$ genetic polymorphism with hyperhomocysteinemia in type 2 diabetes patients. ***Cogent Medicine***, volume 2(1), page 1017973. Taylor & Francis, 2015.

2015   T. Basak, **A. Chakraborty**, and K. Bhattacharya. Atmospheric pollen spectra of an historic French colony, Chandadnagar, West Bengal, India. *Indian Journal of Aerobiology*, volume 28(1&2), pages 21–32, 2015.

2014   P. Chakraborty, **A. Chakraborty**, D. Ghosh, J. Mandal, S. Biswas, U. K. Mukhopadhyay, and S. G. Bhattacharya. Effect of airborne Alternaria conidia, ozone exposure, pm 10 and weather on emergency visits for asthma in school-age children in Kolkata city, India. ***Aerobiologia***, volume 30(2), pages 137–148. Springer, 2014, **(Impact Factor:2.0)**.

2013   G. Jiang, **A. Chakraborty**, Z. Wang, M. Boustani, Y. Liu, T. Skaar, and L. Li. New aqtl snps for the cyp2d6 identified by a novel mediation analysis of genome-wide snp arrays, gene expression arrays, and cyp2d6 activity. ***BioMed Research International***, volume 2013, page 493019. Hindawi, 2013, **(Impact Factor:2.583)**.

2011   K. Das, M. Ghosh, B. Khanna, M. Banerjee, G. P. Mondal, O. P. Singh, and **A. Chakraborty**. Discontinuation of secondary preventive treatment of stroke: an unexplored scenario in india. ***Clinical Neurology and Neurosurgery***, volume 112 (9), pages 766–769. Elsevier, 2011, **(Impact Factor:1.9)**.

2010   M. Basu, A. K. Maji, **A. Chakraborty**, R. Banerjee, S. Mullick, P. Saha, and S. Sengupta. Genetic association of toll-like-receptor 4 and tumor necrosis factor- polymorphisms with plasmodium falciparum blood infection levels. ***Infection, Genetics and Evolution***, volume 10, pages 686–696. Elsevier, 2010, **(Impact Factor:4.4)**.

2008   A. Jha, S. Bhattacharya, S. Ojha, D. Choudhury, A. Das, A. Sen, A. Chattopadhyay, T.K. Banerjee, J. Basak, and **A. Chakraborty**. Genetic profile of duchenne muscular dystrophy (dmd) and prospective study of dmd on prednisolone therapy. ***Journal of the Association of the Neurologist of Eastern India***, volume 8(1), pages 69–73, 2008.

2008   A. Jha, S. Bhattacharya, S. Ojha, D. Choudhury, A. Das, A. Sen, A. Chattopadhyay, T.K. Banerjee, J. Basak, and **A. Chakraborty**. Genetic profile of duchenne muscular dystrophy (dmd) and prospective study of dmd on prednisolone therapy. ***Journal of the Association of the Neurologist of Eastern India***, volume 8(1), pages 69–73, 2008.

Manuscript under revision

2024   S. Dutta, A. Chakraborty *, D. Bandyopadhyay: Joint Modelling of time-to-event and longitudinal response using robust skew normal-independent distributions

Manuscript under preparation

2024   M. Banerjee, P. Ghosh, A. Chakraborty*: Assessing the impact of non-pharmaceutical (NPI) interventions and the role of mutations on the SARS-CoV-2 Virus spread in India using a discrete renewal process

2024   D. Chatterjee, P. Ghosh, A. Chakraborty*: Predicting the results of ICC T20 World Cup 2024 matches using Bayesian methods

2024   T. Gayen, S.I. Maiti, S. Rana, A. Chakraborty*: Bayesian inference in shifted Lindley distribution

2024   D. Chatterjee, A. Chakraborty*: A Novel Sine-Generated Shifted Lindley Distribution: Properties and Applications

Book Chapters

2023   S. Midhya and **A. Chakraborty**. A mathematical model-based approach to assessing water pollution through the dynamics of freshwater zooplankton community and remediation. *Water, Land, and Forest Susceptibility and Sustainability, Volume 2, Elsevier, ISBN:9780443158476,* 2023.

In Conference Proceedings

2012   **A. Chakraborty**. Robust threshold mixture modelling using skew-elliptical distributions. In *Heber International Conference on Applications of Mathematics and Statistics, ISBN 93-81361-71-1,* pages 605–610, 2012.

2011   C. Forne, **A. Chakraborty**, M. Baré, N. Torà, and M. Rue. Longitudinal analysis of breast density and breast cancer risk. In *13th Spanish Biometry Conference and 3rd Ibero-American Biometry Meeting, Barcelona (Spain)*, 2011.

Presentations in Seminar Conferences

Invited Presentations

December 2006   Estimation in Nonlinear Mixed Model for Ordinal data-an Algorithmic View, **Fifth International Triennial Symposium on Probability and Statistics, University of Calcutta, India**

July 2009   Inferences for Joint modelling of Repeated Ordinal Scores and Time to Event with Application to Muscle Score Data, **Department of Mathematics and Statistics, Concordia University, Montreal, Quebec, Canada**

March 2010   On Joint Modelling of Censored Repeated Ordered Scores and Time to Event Data. **Johann Bernoulli Institute for Mathematics and Computer Science, University of Groningen, The Netherlands**

September 2014   Joint Models and Related Inferences: Indian Statistical Institute, Delhi, India

September 2014   Bounded influence function based inferences in Joint Model: Department of Mathematical Sciences, Indiana University-Purdue University Indianapolis, USA

September 2014   A Spline enhanced population Pharmacokinetic model subject to informative dropout, Department of Biostatistics, Indiana University-Purdue University Indianapolis, USA

December, 2015	Joint Modelling of Longitudinal Data Subject to Partial Linear Mixed Effects Model and Time-to-event, **International Conference on Celebrating Statistical Innovation and Impact in a World of Big and Small Data organized by IISA and University of Pune, Pune, India**
February, 2016	Drug, Side Effects and Statistics, **Centenary Speaker, Asutosh College, Kolkata**
March, 2016	Ordinal Pharmacokinetic Longitudinal Models with Informative Dropouts. Department of Statistics, University of Kalyani, West Bengal
July, 2016	R for Statistical Analysis in Social Sciences, Workshop at Sivanath Shastri College, Kolkata
September, 2016	A Spline Enhanced population Pharmacokinetic Ordinal Longitudinal Model subject to Informative Dropout, Conference for Statistics and Programming in Clinical Research, Hyderabad
November, 2016	Statistical Methods Based on Empirical Bayes for eQTL Mapping, **Workshop organized by Indo-French Centre for Advanced Mathematics, IISc, Bangalore**
December, 2016	The Analysis of Case Control Data in R, **Workshop on Quantitative Methods for Public Researchers of the SAARC Countries, Department of Statistics, University of Calcutta**
January, 2019	Informative Dropout in Pharmacokinetic Studies: A Joint Model Approach, Statistics Day Organized by GlaxoSmithKline Pharmaceuticals Ltd. (GSK), Bangalore
February, 2019	Expression quantitative trait loci (eQTL) mapping for identifying hot-spots, Centre of Advanced Faculty Training (CAFT) on "Modern Statistical Techniques in Genetics" organized by ICAR, New Delhi
March, 2021	Identifying Higher Order Drug-drug-Interaction Effects using FAERS Database in "Young Statisticians Meet 2021" organized by ISI, KOlkata
June, 2021	Assessment of Impacts of Non-pharmaceutical Interventions (NPIs) in Curbing Covid 19 Spread using Renewal Theory in Fifth International Webinar on "Recent Trends in Statistical Theory and Applications-2021 (WSTA-2021) organized by Department of Statistics, University of Kerala, in association with ISPS and KSA
October, 2021	Bayesian Inference in "Faculty Development Programme under AICTE Training and Learning (ATAL) Academy" organized by Institute of Chemical Technology, Mumbai, India
January, 2024	Elementary, My Dear Watson! in National Workshop on " Recent Methodology in Humanity Subjects" organized by Department of Marathi, Visva-Bharati University, India
February, 2024	Big Data Analysis in "Workshop on Statistical Techniques used in Research" organized by Department of Statistics, Burdwan University, India
December, 2024	"Mutations present in non-structural proteins increasing the spread of SARS-CoV-2 even under different non-pharmaceutical interventions in India" at Eleventh International Calcutta Triennial Symposium on Probability and Statistics By Department of Statistics, University of Calcutta & Calcutta Statistical Association

Contributed Presentations

July 2009	Joint modelling of Time to Event Data and Repeated Ordered Longitudinal Scores Subject to Linear Mixed Model. International Symposium in Statistics(ISS) on Inferences in Generalized Linear Longitudinal Mixed Models(GLLMM)– Memorial University, St.John's, NL, Canada
March 2010	Bounded-Influence Robust Estimation in Joint Model in the presence of Missing Covariates. DAGSTAT2010–Technische Universitt, Dortmund, Germany
December 2011	Robust Analysis in Joint Models-An Application to a study on Muscular Dystrophy International Sri Lankan Statistical Conference: Statistical Concepts and Methods for the Modern World, 2011, Colombo, SriLanka
August,2013	Simultaneous inferences based on empirical Bayes methods and false discovery rates in eQTL data analysis International Conferenceon Intelligent Biology and Medicine (ICIBM 2013), Nashville,TN,USA

August 2013	New aQTL SNPs for the CYP2D6 Identified by a Novel Mediation Analysis of Genome-wide SNP Arrays, Gene Expression Arrays and CYP2D6 Activity, International Conference on Intelligent Biology and Medicine(ICIBM 2013), Nashville,TN,USA
December 2015	Application of eQTL mapping for Identification of Hot-spots using an Empirical Bayes Mixture Model at Ninth International Triennial Calcutta Symposium on Probability and Statistics, organized by Department of Statistics, University of Calcutta and CSA, India
September 2019	Identifying higher order drug-drug interaction (DDI) effects using mixture model at International Conference Applied Statistics 2019, Bled, Slovenia
April 2024	Assessing The Impact Of Non-Pharmaceutical (NPI) Interventions and the Role of Mutations On The SARS-Cov-2 Virus Spread in India Using a Discrete Renewal Process at International Conference on Advances in Statistics, Budapest, Hungary

Academic Visits

14-16 March, 2010	Carlos III Universidad de Madrid, Spain
2-5 Sept, 2012	Cochin University of Science and Technology, Kerala
13-20 Dec, 2015	Chennai Mathematical Institute
24-27 Apr, 2024	West University of Timisoara, Romania

Administrative Responsibilities

2018–2024	**Co-ordinator** , Statistics Cell, Visva-Bharati University
2018-2019, 2024-25	**Member** , Admission Coordination Cell, Visva-Bharati University
2018-2019	**Member** , IQAC, Visva-Bharati University
2018-2019	**Member** , MOOCS Committee, Visva-Bharati University
2018-2019	**Convenor** , Website Editorial Committee, Visva-Bharati University
2018-2019	**Single Point of Contact for NPTEL** , Visva-Bharati University
2018-2020	**Member of Board of Under Graduate Studies**, Department of Statistics, Assam University, Silchar
2024-2027	**Member of Board of Under Graduate Studies**, Department of Statistics, Assam University, Silchar

Contribution to e-Learning

2018	Content Development : Developed 14 modules on Probability for e-PG Pathshala, an MHRD initiative,(*Web-page*)

Courses Taught

Department of Statistics,Visva-Bharati

PhD Coursework:	**Applied Bayesian Computation**.
MSC:	**Survival Analysis, Linear Models, Probability and Measure Theory, Bayesian Inference**.
BSC:	**Statistical Quality Control,Sampling Distributions, Calculus, Real Analysis** .

MSC: **Biostatistics**.

Department ISERC, Visva-Bharati

MSC: **Mathematical Probability and Statistics**.

Project

1 Nonstandard Data Analysis in Some Complex Models (2009-2012).INR 92,250 (Funded by UGC), (PI); **Completed**

2 Prebiotic feed supplement for growth improvement of Indian major carps, Labeo rohita, Cirrhinus mrigala and Catla catla under composite culture system: A gut microbiome and nutrigenomics based approach(2019-2021) INR 91,42,940 Funded by DBT, (Co-I).

Editorial responsibilities

Reviewer: Journal of Applied Statistics, Statistics and Applications, BMC Research Notes, Hacettepe Journal of Mathematics and Statistics, Journal of Statistical Research, Bulletin of CSA, IAPQR, Journal of Royal Statistical Society (A), BMC Pediatrics

PhD Supervision

1 Srimanti Dutta: Studies on joint models and related inferences, 2016-2021 (Scientist, Division of Cancer Epidemiology, German Cancer Research Centre, Heildelberg, Germany)

2 Meghna Banerjee (Co-supervisor): A Bioinformatics Approach To Uunderstand Emerging Infectious Diseases/ Pathogens: A Case Study in Coronavirus Disease (COVID-19), 2020-

Membership in Professional Bodies

1 Calcutta Statistical Association (Life Member)

2 Society for Statistics, Computer & Application (Life Member)

3 International Indian Statistical Association (Life Member)

My Interests

I have interest in writing Bengali poetry. Two books on Bengali poetry (Hoyto Kobita Hoye Uthbe Ekdin and Megher Jolchaat) already got published. I am a wanderlust and I love cooking. I believe that the discovery of a new dish does more for the happiness of the human race than the discovery of a star! A die-hard fan of East Bengal Football club (India), soccer is my favourite sports. I love making short movies too.