Abhyuday Mandal

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Employment

Professor Department of Statistics University of Georgia, Athens	August 2018 – present
Undergraduate Coordinator Department of Statistics University of Georgia, Athens	August 2016 – July 2024
Associate Professor Department of Statistics University of Georgia, Athens	August 2011 – July 2018
Assistant Professor Department of Statistics University of Georgia, Athens	August 2005 – July 2011

Education

Ph.D. in Statistics Georgia Institute of Technology, Atlanta	September 2003 – August 2005
Master of Arts in Statistics University of Michigan, Ann Arbor, MI	September 2001 – August 2003
M.Stat in Mathematical Statistics and Probability Indian Statistical Institute, Calcutta, India	August 1999 – July 2001
Bachelor of Statistics Indian Statistical Institute, Calcutta, India	August 1996 – July 1999

Editorial Board

Associate Editor, *Technometrics* (ISSN: 0040-1706, published by Taylor & Francis on behalf of the American Statistical Association), January 2025 − present.

Associate Editor, *Journal of Computational and Graphical Statistics* (ISSN: 1061-8600, published by Taylor & Francis on behalf of the American Statistical Association), October 2024 − present.

Associate Editor, *Statistical Methods and Applications* (ISSN: 1618-2510, Journal of the Italian Statistical Society, published by Springer), October 2024 − present.

Associate Editor, *Journal of the Indian Society for Probability and Statistics* (ISSN: 2364-9569, published by Springer), March 2024 − present.

Associate Editor, *Statistics and Applications* (published by the Society of Statistic, Computer and Applications (SSCA), New Delhi, India), March 2024 − present.

Associate Editor, *Journal of Applied Statistics* (ISSN: 0266-4763, published by Taylor & Francis), April 2023 − present.

Associate Editor, *Journal of Statistical Theory and Practice* (ISSN: 1559-8608, published by Springer), September 2017 − present.

Associate Editor, *Sankhya − Series B* (ISSN: 0976-8386, Journal of Indian Statistical Institute, published by Springer), March 2014 − present.

Associate Editor, *Statistics and Probability Letters* (ISSN: 0167-7152, published by Elsevier), August 2013 − present.

Review Editor, *Frontiers in Applied Mathematics and Statistics*, June 2021 − December 2021.

Associate Editor, *International Journal of BioSciences and Technology* (ISSN: 0974-3987), December 2012 − October 2016.

Associate Editor, *Pioneer Journal of Theoretical and Applied Statistics* (ISSN: 2230-9837), November 2010 − October 2016.

Guest co-Editor, Special issue on State of the Art in Research in Design and Analysis of Experiments, 2021, Journal of Statistical Theory and Practice, Springer Nature.

Guest co-Editor, Special issue on Discrete Choice Experiments: Theory and Applications, 2017, Journal of Statistical Theory and Practice, Taylor & Francis.

co-Editor, Handbook of Research on Applied Cybernetics and Systems Science, 2017, IGI Global, Hershey, PA.

Publications

Book Co-edited

1. Saha, S.; Mandal, A.; Narasimhamurthy, A.; Sarasvathi, V. & Sangam, S. (Eds., 2017). Handbook of Research on Applied Cybernetics and Systems Science (Advances in Computational Intelligence and Robotics), IGI Global, Hershey, PA.

Book Chapters

2. Jankar, J.; Wang, H.; Wilkes, L. R.; Xiao, Q. & Mandal, A. (2022), "Design and Analysis of Complex Computer Models", in *Advances in Computational Modeling and Simulation*, Eds Srinivas, R.; Kumar, R. and Dutta, M., Springer Nature Singapore, Series: Lecture Notes in Mechanical Engineering.
3. Meng, C.; Wang, Y.; Zhang, X.; Mandal, A.; Zhong, W.; & Ma, P. (2017) "Effective Statistical Methods for Big Data Analytics", in *Handbook of Research on Applied Cybernetics and Systems Science*, Eds. Saha, S.; Mandal, A.; Narasimhamurthy, A.; Sarasvathi, V. and Sangam, S. , IGI Global, DOI: 10.4018/978-1-5225-2498-4.ch014.
4. Wang, K.; Mandal, A., Ayton, E., Hunt, R., Zeller, A. & Sharma, S. (2016) "Modification of protein rich algal-biomass to form bio-plastics and odor removal", In: *Protein Byproducts: Transformation from Environmental Burden Into Value-Added Products*, Ed. Dhillon, G.S., Elsevier publishers, 107−117.
5. Mandal, A.; Yu, Y. & Wong, W.-K. (2015), "Algorithmic Searches for Optimal Designs", in *Handbook of Design and Analysis of Experiments*, Eds Dean, A., Morris, M., Stufken, J. and Bingham, D., Chapman and Hall/CRC, Series: Chapman & Hall/CRC Handbooks of Modern Statistical Methods, 755−783.

Journal articles

6. Qiang Zhao, Q; Xiao, Q.; Mandal, A. & Sun, F. (2025), "Optimal designs for Order-of-Addition two-level factorial experiments", *Technometrics*.
7. Huang, Y.; Li, K.; Mandal, A. & Yang, J. (2024), "ForLion: A new algorithm for D-optimal designs under general parametric statistical models with mixed factors", *Statistics and Computing*, 34, 157 DOI: 10.1007/s11222-024-10465-x.

8. Zhang, S.; Wu, Y.; Skaro, M.; Cheong, J-H; Bouffier-Landrum, A.; Torrres, I.; Guo, Y.; Stupp, L.; Lincoln, B.; Prestel, A.; Felt, C.; Spann, S.; Mandal, A.; Johnson, N. & Arnold, J. (2024), "Computer vision models enable mixed linear modeling to predict arbuscular mycorrhizal fungal colonization using fungal morphology", *Scientific Reports*, 14, 10866 DOI: 10.1038/s41598-024-61181-5.

9. Xiao, Q.; Wang, Y.; Mandal, A. & Deng, X. (2024), "Modelling and active learning for experiments with quantitative-sequence factors", *Journal of American Statistical Association − Theory and Methods*, 119, 545, 407−421.

10. Jankar, J.; Yang, J. & Mandal, A. (2023), "A general equivalence theorem for crossover designs under generalized linear models", *Sankhya − Series B*, 85, 344−364.

11. Ranjan, P.; Resch, J. & Mandal, A. (2023), "Solving an inverse problem for time series valued computer simulators via multiple contour estimation", *Journal of Statistical Theory and Practice*. 17, 23. DOI: 10.1007/s42519-022-00312-5

12. Lukemire, J.; Xiao, Q.; Mandal, A. & Wong, W. K. (2021), "Statistical analysis of complex computer models in astronomy", *The European Physical Journal Special Topics*, 230, 2253−2263.

13. Goyal, S.; Datta, G. & Mandal, A. (2021), "Hierarchical Bayes unit-level small area estimation model for normal mixture populations", *Sankhya − Series B*, 83, 215−241.

14. Jankar, J. & Mandal, A. (2021), "Optimal crossover designs for generalized linear models: an application to work environment experiment", *Statistics and Applications*, 19(1), 319−336.

15. Kaimal, A.; Al Mansi, M.; Bou Dagher, J.; Pope, C.; Varghese, M.; Rudi, T.; Almond, A.; Cagle, L.; Beyene, H.; Bradford, W.; Whisnant, B.; Bougouma, B.; Rifai, K. J., Chuang, Y-J.; Campbell, E.; Mandal, A.; MohanKumar, P. & MohanKumar, S. (2021), "Prenatal exposure to bisphenols affects pregnancy outcomes and offspring development in rats", *Chemosphere*, 276, 130118.

16. Xiao, Q.; Mandal, A.; Lin, C. D. & Deng, X. (2021) "EzGP: Easy-to-interpret Gaussian Process models for computer experiments with both quantitative and qualitative factors", *SIAM / ASA Journal on Uncertainty Quantification*, 9(2), 333−353.

17. Wang, H.; Baker, E. W.; Mandal, A.; Pidaparti, R. A.; West, F. D. & Kinder, H. A. (2021), "Identification of predictive MRI and functional biomarkers in a pediatric piglet traumatic brain injury model", *Neural Regeneration Research*, 16(2), 338−344.

18. Bou Dagher, J.; Hahn-Townsend, C.; Kaimal, A.; Al Mansi, M.; Henriquez, J.; Tran, D.; Laurent, C.; Bacak, C.; Buechter, H.; Cambric, C.; Spivey, J.; Chuang, Y-J.; Campbell, E.; Mandal, A.; MohanKumar, P. & MohanKumar, S. (2021), "Independent and combined effects of Bisphenol A and Diethylhexyl Phthalate on gestational outcomes and offspring development in Sprague-Dawley rats", *Chemosphere*, 263, 128307.

19. Meng, C., Xie, R., Mandal, A., Zhang, X., Zhong, W. & Ma, P. (2021), "LowCon: A design-based subsampling approach in a misspecified linear model", *Journal of Computational and Graphical Statistics*, 30(3), 694−708.

20. Lukemire, J.; Mandal, A. & Wong, W. K. (2020), "Optimal Experimental Designs for Ordinal Models with Mixed Factors for Industrial and Healthcare Applications", *Journal of Quality Technology*, DOI: 10.1080/00224065.2020.1829215.

21. Stokes, Z.; Mandal, A. & Wong, W. K. (2020), "Using differential evolution to design optimal experiments", *Chemometrics and Intelligent Laboratory Systems*, 199, 103955, DOI: 10.1016/j.chemolab.2020.103955.

22. Jankar, J.; Mandal, A. & Yang, J. (2020), "Optimal cross-over designs for generalized linear models", *Journal of Statistical Theory and Practice*, 14:23, DOI: 10.1007/s42519-020-00089-5.

23. Chowdhury, S.; Lukemire, J. & Mandal, A. (2020), "A-ComVar: A Flexible Extension of Common Variance Designs", *Journal of Statistical Theory and Practice*, 14:16, DOI: 10.1007/s42519-019-0079-y.

24. Nandy, A., Lee, E., Mandal, A., Saremi, R. & Sharma, S. (2020), "Microencapsulation of retinyl palmitate by melt dispersion for cosmetic application", *Journal of Microencapsulation*, 37 (3), 205−219.

25. Kane, A. & Mandal, A. (2020), "A new analysis strategy for designs with complex aliasing", *The American Statistician*, 74 (3), 274−281.

26. Lee, B. J.; Daubenmire, S.; Lee, E.; Saremi, R.; Rai, S.; Sriram, T. N.; Mandal, A. and Sharma, S. (2019) "The optimization of novel nanocellulose gel-reactive dye coating for textile applications", *Colourage*, 66 (6), 32−41.

27. Bhattacharjeea, N.; Ranjan, P.; Mandal, A. & Tollner, E. W. (2019) "A history matching approach for calibrating hydrological models", *Environmental and Ecological Statistics*, 26, 87−105.

28. Chakraborty, A.; Datta, G. & Mandal, A. (2019), "Robust hierarchical Bayes small area estimation for nested error regression model", *International Statistical Review*, 87, 158−176.

29. Lukemire, J.; Mandal, A. & Wong, W. K. (2019), "*d*-QPSO: A quantum particle swarm technique for finding *D*-Optimal designs with mixed factors and a binary response", *Technometrics*, 26, 87−105.

30. Jones, A.; Pant, J.; Lee, A.; Goudie, M.; Gruzd, A.; Mansfield, J.; Mandal, A.; Sharma, S. & Handa, H. (2018), "Nitric oxide releasing antibacterial albumin plastic for biomedical applications", *Journal of Biomedical Materials Research: Part A*, 106, 1535−1542.

31. Jones, A.; Mandal, A. & Sharma, S. (2018), "Antibacterial and drug elution performance of thermoplastic blends", *Journal of Polymers and the Environment*, 26(1), 132−144.

32. Yang, J.; Tong, L. & Mandal, A. (2017), "D-optimal designs with ordered categorical data", *Statistica Sinica*, 27, 1879−1902.

33. Zhang, W.; Mandal, A. & Stufken, J. (2017), "Approximations of the information matrix for a panel mixed logit model", *Journal of Statistical Theory and Practice*, 11, 269 − 295.

34. Chakraborty, A.; Datta, G. & Mandal, A. (2016), "A two-component normal mixture alternative to the Fay-Herriot model", Joint issue of *Statistics in Transition new series and Survey Methodology* Part II, 17, 67−90.

35. Yang, J.; Mandal, A. & Majumdar, D. (2016), "Optimal Designs for 2^k factorial experiments with binary response", *Statistica Sinica*, 26, 385−411.

36. Jones, A.; Mandal, A. & Sharma, S. (2015), "Protein based bioplastics and their antibacterial potential", *Journal of Applied Polymer Science*, 132, 41931.

37. Datta, G. & Mandal, A., (2015) "Small Area Estimation with Uncertain Random Effects", *Journal of the American Statistical Association - Theory and Methods*, 110, 1735−1744.

38. Yang, J. & Mandal, A. (2015), "D-optimal Designs under Generalized Linear Models", *Communications in Statistics − Simulation and Computation*, 44, 2264−2277.

39. Kao, M. H.; Majumdar, D.; Mandal, A. & Stufken, J. (2013), "Maximin and Maximin-Efficient Event-Related FMRI Designs Under A Nonlinear Model", *Annals of Applied Statistics*, 7, 1940−1959.

40. Yang, J.; Mandal, A. & Majumdar, D. (2012), "Optimal Designs for Two-level Factorial Experiments with Binary Response", *Statistica Sinica*, 22, 885−907.

41. Kao, M. H.; Mandal, A & Stufken, J. (2012), "Constrained Multiobjective Designs for Functional Magnetic Resonance Imaging Experiments via a Modified Non-Dominated Sorting Genetic Algorithm", *Journal of the Royal Statistical Society: Series C (Applied Statistics)*, 61, 1-20.

42. Datta, G.; Hall, P. & Mandal, A. (2011), "Model Selection by Testing for the Presence of Small-area Effects in Area-level Data", *Journal of the American Statistical Association - Theory and Methods*, 106, 362-374.

43. Mandal, A.; Ranjan, P; & Wu, C. F. J. (2009), "*G*-SELC: Optimization by Sequential Elimination of Level Combinations using Genetic Algorithms and Gaussian Processes", *Annals of Applied Statistics*, 3, 398-421.

44. Kao, M. H.; Mandal, A. & Stufken, J. (2009), "Efficient Designs for Event-Related Functional Magnetic Resonance Imaging with Multiple Scanning Sessions", *Communications in Statistics − Theory and Methods: Celebrating 50 Years in Statistics Honoring Professor Shelley Zacks*, 38, 3170-3182.

45. Kao, M. H.; Mandal, A.; Lazar, N.; & Stufken, J. (2009), "Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies", *NeuroImage*, 44, 849-856.

46. Kao, M. H.; Mandal, A. & Stufken, J. (2008), "Optimal Design for Event-related Functional Magnetic Resonance Imaging Considering Both Individual Stimulus Effects and Pairwise Contrasts", *Special Volume of Statistics and Applications in Honour of Professor Aloke Dey*, 6, 225-241.

47. Dasgupta, T. & Mandal, A. (2008), "Estimation of process parameters to determine the optimum diagnosis interval for control of defective items", *Technometrics*, 50, 167-181.

48. Johnson, K.; Mandal, A. & Ding, T. (2008) "Software for Implementing the Sequential Elimination of Level Combinations Algorithm", *Journal of Statistical Software,* 25, 1-13.

49. Mandal, A.; Johnson, K.; Wu, C. F. J. & Bornemeier, D. (2007), "Identifying Promising Compounds in Drug Discovery: Genetic Algorithms and Some New Statistical Techniques", *Journal of Chemical Information and Modeling*, 47, 981-988.

50. Mandal, A.; Wu, C. F. J. & Johnson, K. (2006), "SELC: Sequential Elimination of Level Combinations by means of modified Genetic Algorithms", *Technometrics*, 48, 273-283.

51. Mandal, A. & Mukerjee, R. (2005), "Design Efficiency under Model Uncertainty for Nonregular Fractions of General Factorials", *Statistica Sinica,* 15, 697-707.

52. Mandal, A. (2005), "An Approach for Studying Aliasing Relations of Mixed Fractional Factorials Based on Product Arrays", *Stat. & Prob. Letters*, 75, 203-210.

53. Banik, P.; Mandal, A. & Rahaman, S. (2002), "Markov Chain Analysis of Weekly Rainfall Data in Determining Drought-proneness", *Discrete Dynamics in Nature and Society*, 7, 231-239.

54. Mandal, A. & Sengupta, D. (2000), "Fatal accidents in Indian Coal Mines", *Calcutta Statistical Association Bulletin*, 50, 95-120.

Refereed Conference Proceedings

55. Zhang, S.; Lantz, W. N.; Wilson, I. M.; Spittle, J. B.; Eastin, S. P.; Mandal, A.; Arnold, J. & Bourlai, T. (2024), "A New Spline-Based Image Processing Technique with Applications to Whole-Slide Imaging of Plant Roots", *IEEE Southeast Conference 2024*, Atlanta, GA, USA, March 20−24, 2024, 890−891, DOI: 10.1109/SoutheastCon52093.2024.10500130.
https://ieeexplore.ieee.org/document/10500130

Book Review

56. Mandal, A. (2008), Matrix Algebra: Theory, Computations, and Applications in Statistics by James E. Gentle, *Journal of the American Statistical Association*, 103, 1716-1717.

Software

57. Li, J; Xiao, Q.; Mandal, A.; Lin, C. D. & Deng, X. (2023), EzGP: Easy-to-Interpret Gaussian Process Models for Computer Experiments, R Library https://cran.r-project.org/web/packages/EzGP/index.html.
58. Wang H.; Xiao, Q. & Mandal, A. (2021), LHD: Latin Hypercube Designs (LHDs), R Library https://cran.r-project.org/web/packages/LHD/index.html, 22,776 cumulative downloads as of August 23, 2023.
59. Wang H.; Xiao, Q. & Mandal, A. (2021), LA: Lioness Algorithm (LA), R Library https://cran.r-project.org/web/packages/LA/index.html, 3,843 cumulative downloads as of 3/20/2022.

Works Submitted but not yet accepted - Under Revision

60. Wang, H.; Xiao, Q. & Mandal, A. (2025), "LHD: An all-encompassing R package for constructing optimal latin hypercube designs", submitted to *The R Journal* (under revision).
61. Datta, G.; Hou, Y. & Mandal, A. (2025), "Credible distributions of overall ranking of entities", submitted to *Journal of American Statistical Association – Theory and Methods* (under revision).

Works Submitted but not yet accepted

62. Lukemire, J.; Zhang, W.; Mandal, A. & Stufken, J. (2025), "Computationally Efficient Approaches to Finding Optimal Designs for the Panel Mixed Logit Model".
63. Hou, Y.; Uddin, M., Mandal, A. & Sharma, S. (2025), "Turning Waste into Fiber: Creating a Sustainable Alternative with Casein Protein from Expired Milk".
64. Xiao, Q.; Lin, C. D.; Mandal, A.; Bingham, D.; Broekgaarden, F.; Mandel, I. & Deng, X. (2025), "A Hopfield process modeling for computer experiments with binary outputs".

Any other – Under preparation

65. Taylor, C. P.; Mandal, A.; Wallace, J. & Mishra, A. (2025+), "DeepAgriNet: A cross-domain deep learning framework for integrating high-dimensional genotypes, weather profiles, and agricultural practices to predict plant phenotypes".
66. Wang, H.; Xiao, Q. & Mandal, A. (2025+), "Lioness algorithm for finding optimal design of experiments".
67. Wang, H.; Xiao, Q. & Mandal, A. (2025+), "Musings about Constructions of Efficient Latin Hypercube Designs with Flexible Run-sizes".
68. Zhang, X.; Xiao, Q. & Mandal, A. (2025+), "Active learning for pharmaceutical studies".
69. Chowdhury, S.; & Mandal, A. (2025+), "A simple computational approach for searching for optimal designs for experiments with categorical and continuous factors".
70. Lukemire, J.; Chowdhury, S. & Mandal, A. (2025+), "Robust design of choice experiments with interactions between attributes and partial profiles".

Any other – Unpublished

71. Bargo, A. M.; Mandal, A.; Seymour, L.; McDowell, J. & Lazar, N. A., "Social Network Models for Identifying Active Brain Regions from fMRI Data".
72. Chakraborty, A.; Lukemire, J.; Mandal, A. & Johnson, K., "In Search of Desirable Compounds".

Grants

"Collaborative Research: Ranking of entites" − National Science Foundation DMS-2515814. (co-PI, September, 2025 − August 2028; $180,000).

"Collaborative Research: Design, modeling and active learning of quantitative-sequence experiments" − National Science Foundation DMS-2311186. (co-PI, August, 2023 − May 2024; PI, June, 2024 − July, 2026, $213,036).

"Equitable statistics education through active learning" − University of Georgia (July 1, 2023 − June 30, 2024, Co-PI, $15000)

"Comparison of Oconee and Ocmulgee river basins for sustainable ecosystem and economic development of Middle Georgia" − Georgia Institute of Technology, G16AP00047 (March 1, 2016 − Feb 28, 2017, Co-PI, $18000)

"Water supply and its potential impact on economic development along the Macon-Hawkinsville reach of the Ocmulgee River" − Georgia Institute of Technology, G11AP20073 (March 1, 2015 − Feb 29, 2016, Co-PI, $17250)

"Optimal Design of Experiments for Binary Response" − National Security Agency H98230-13-1-0251. (single PI, May 08, 2013 − May 7, 2015, $40000)

Conference Grant: Co-PI: "Design and Analysis of Experiments 2012" − National Security Agency, $14670

Conference Grant: Co-PI: "Design and Analysis of Experiments 2012" − National Science Foundation, $20000

"Optimal Design of Experiments for Binary Response" − summer research grant provided by the University of Georgia Provost's Office. (July 01, 2012 − July 31, 2012, $5000)

"G-SELC: A New Global Optimization Technique Using Genetic Algorithms, Tabu Search and Gaussian Processes" − National Science Foundation DMS-0905731. (single PI, July 1, 2009 − June 30, 2012, $100,000).

"SELC: An Optimization Technique Motivated by Modified Genetic Algorithms" − faculty research grant provided by the University of Georgia Research Foundation. (Jan 03, 2006 − Dec 31, 2006, $8000)

Awards and Honors

Outstanding Chapter Service Award (2025), The American Statistical Association Council of Chapters.

Springer Nature Editor of Distinction Awards (2025), The Author Service Award for contributions to *Sankhya B*.

Student Career Success Influencer Award (2018, 2021, 2023, 2024), University of Georgia.

Selected to participate in the second annual Reflections on Race Workshop (2023), organized by The Franklin College Diversity Leadership and UGA's Office of Diversity and Inclusion.

Recipient of Active Learning Leader Certificate (2023), University of Georgia.

Recognized by the UGA Provost's Office (2022), as one of the four finalists from the Franklin College for Outstanding Undergraduate Teaching Award.

Recognized by the UGA Provost's Office (2020), as one of the five finalists from the Franklin College for Outstanding Undergraduate Teaching Award.

Sandy Beaver Excellence in Teaching Award (2019), Franklin College of Arts and Sciences, University of Georgia.

Recognized by the UGA Provost's Office (2018), as one of the five finalists from the Franklin College for Outstanding Undergraduate Teaching Award.

Undergraduate Teacher of the Year Award (2017), Department of Statistics, University of Georgia.

Recognized by the UGA Provost's Office (2017), as one of the five finalists from the Franklin College for Outstanding Undergraduate Teaching Award.

Franklin College Outstanding Academic Advising Award (2015), University of Georgia.

Sarah H. Moss Fellowship (2011, 2013), University of Georgia.

IMS Laha Travel Award (2005), Joint Statistical Meetings/IMS Annual Meeting.

Mary G. Natrella Scholarship (2005), Quality and Productivity Research Conference, Minneapolis, MN.

SRC Student Scholarship (2005), Spring Research Conference, at Park City, Utah.

The QSR Best Student Paper Award (2004), INFORMS National Meeting in Denver.

Invited to attend the 2004 Future Academician Colloquium in Denver, CO, preceding the INFORMS National Meeting.

Team Champion in the ASA Stat Bowl at the 2004 Joint Statistical Meetings (JSM) in Toronto.

Best Student Research Paper Award in Theoretical Statistics (2004), Fifth Biennial International Conference on Statistics, Probability and Related Areas organized by International Indian Statistical Association, (Athens, Georgia).

John Morris Fellowship, Georgia Institute of Technology (2003).

Outstanding first year PhD Student Award, Department of Statistics, University of Michigan (2002). Only two students got the award for that year.

Scholarship and Certificate of Merit in National Talent Search Examination, 1994 conducted by National Council of Educational Research and Training (NCERT), India.

3rd in West Bengal(1993) and 2nd in West Bengal(1994) in Science Talent Search Exam conducted by National Science Society affiliated to Indian Science Congress.

Rank 13 (out of 450,000 students) in West Bengal in Secondary Examination (1994) and Rank 23 (out of 350,000 students) in West Bengal in Higher Secondary Examination (1996).

Instruction

Courses Taught: (): credit hours, []: Enrollment

1. STAT 6320 (3), Statistical Analysis II , Fall 2005, [23]
2. STAT 6210 (3), Introduction to Statistical Methods I , Spring 2006, [28]
3. STAT 6320 (3), Statistical Analysis II , Fall 2006, [26]
4. STAT 6210 (3), Introduction to Statistical Methods I , Spring 2007, [27]
5. STAT 8910 (3), Statistical Seminar , Spring 2007, [8]
6. STAT 6420 (3), Applied Linear Models , Fall 2007, [22]
7. STAT 6800 (3), Tools for Statistical Theory , Fall 2007, [13]
8. STAT 6210 (3), Introduction to Statistical Methods I , Spring 2008, [21]
9. STAT 6420 (3), Applied Linear Models , Fall 2008, [18]
10. STAT 6800 (3), Tools for Statistical Theory , Fall 2008, [19]
11. STAT 8910 (3), Statistical Seminar , Spring 2009, [16]
12. STAT 6420 (3), Applied Linear Models , Fall 2009, [25]
13. STAT 6800 (3), Tools for Statistical Theory , Fall 2009, [12]
14. STAT 4220 (3), Applied Experimental Designs , Spring 2010, [12]
15. STAT 4220 (3), Applied Experimental Designs , Fall 2010, [26]
16. STAT 6420 (3), Applied Linear Models , Fall 2010, [19]
17. STAT 6430 (3), Design and Analysis of Experiments , Spring 2011, [9]

18. STAT 4220 (3), Applied Experimental Designs , Fall 2011, [27]
19. STAT 6210 (3), Introduction to Statistical Methods I , Spring 2012, [24]
20. STAT 6430 (3), Design and Analysis of Experiments , Spring 2012, [9]
21. STAT 6360 (3), Statistical Software Programming , Summer 2012, [25]
22. STAT 4220 (3), Applied Experimental Designs , Fall 2012, [30]
23. STAT 6210 (3), Introduction to Statistical Methods I , Spring 2013, [28]
24. STAT 6430 (3), Design and Analysis of Experiments , Spring 2013, [9]
25. STAT 6360 (3), Statistical Software Programming , Summer 2013, [16]
26. STAT 4220 (3), Applied Experimental Designs , Fall 2013, [28]
27. STAT 4220 (3), Applied Experimental Designs , Spring 2014, [29]
28. STAT 6430 (3), Design and Analysis of Experiments , Spring 2014, [7]
29. STAT 8910 (1), Statistical Seminar , Spring 2014, [11]
30. STAT 6360 (3), Statistical Software Programming , Summer 2014, [16]
31. STAT 4220 (3), Applied Experimental Designs , Fall 2014, [30]
32. STAT 4950 (1), Undergrad Directed Study in Statistics , Fall 2014, [2]
33. STAT 8910 (1), Statistical Seminar , Fall 2014, [24]
34. STAT 4220 (3), Applied Experimental Designs , Spring 2015, [28]
35. STAT 4950 (3), Undergrad Directed Study in Statistics , Spring 2015, [2]
36. STAT 6430 (3), Design and Analysis of Experiments , Spring 2015, [6]
37. STAT 4950 (3), Undergrad Directed Study in Statistics , Fall 2015, [2]
38. STAT 4950 (1), Undergrad Directed Study in Statistics , Fall 2015, [1]
39. STAT 6420 (3), Applied Linear Models , Fall 2015, [29]
40. STAT 8910 (1), Statistical Seminar , Fall 2015, [33]
41. STAT 4220 (3), Applied Experimental Designs , Spring 2016, [39]
42. STAT 4950 (2), Undergrad Directed Study in Statistics , Spring 2016, [1]
43. HONS 4960H (3), Honors Undergraduate Research , Spring 2016, [1]
44. STAT 6430 (3), Design and Analysis of Experiments , Spring 2016, [12]
45. STAT 8910 (1), Statistical Seminar , Spring 2016, [16]
46. STAT 4220 (3), Applied Experimental Designs , Summer 2016, [10]
47. STAT 4950 (3), Undergrad Directed Study in Statistics , Fall 2016, [1]
48. STAT 8910 (3), Statistical Seminar , Fall 2016, [23]
49. STAT 4220 (3), Applied Experimental Designs , Spring 2017, [40]
50. STAT 4950 (3), Undergrad Directed Study in Statistics , Spring 2017, [1]
51. STAT 6430 (3), Design and Analysis of Experiments , Spring 2017, [13]
52. STAT 8910 (3), Statistical Seminar , Spring 2017, [24]
53. STAT 4220 (3), Applied Experimental Designs , Summer 2017, [13]
54. STAT 4950 (3), Undergrad Directed Study in Statistics , Summer 2017, [2]
55. STAT 4950 (1), Undergrad Directed Study in Statistics , Summer 2017, [1]
56. STAT 4220 (3), Applied Experimental Designs , Fall 2017, [26]
57. STAT 8910 (3), Statistical Seminar , Fall 2017, [21]
58. STAT 6430 (3), Design and Analysis of Experiments , Spring 2018, [12]

59. STAT 8910 (3), Statistical Seminar , Spring 2018, [17]
60. STAT 4950 (1), Undergrad Directed Study in Statistics , Spring 2018, [1]
61. STAT 4220 (3), Applied Experimental Designs , Summer 2018, [9]
62. STAT 4950 (1), Undergrad Directed Study in Statistics , Fall 2018, [1]
63. STAT 6430 (3), Design and Analysis of Experiments , Spring 2019, [37]
64. STAT 4220 (3), Applied Experimental Designs , Spring 2019, [23]
65. STAT 4950 (3), Undergrad Directed Study in Statistics , Spring 2019, [1]
66. STAT 6360 (3), Statistical Software Programming , Summer 2019, [7]
67. STAT 6420 (3), Applied Linear Models , Fall 2019, [37]
68. STAT 4950 (3), Undergrad Directed Study in Statistics , Fall 2019, [1]
69. STAT 6430 (3), Design and Analysis of Experiments , Spring 2020, [32]
70. STAT 4950 (1), Undergrad Directed Study in Statistics , Spring 2020, [1]
71. STAT 4220 (3), Applied Experimental Designs , Summer 2020, [18]
72. STAT 6420 (3), Applied Linear Models , Fall 2020, [24]
73. STAT 5700 (3), Internship in Statistics , Fall 2020, [1]
74. STAT 4220 (3), Applied Experimental Designs , Spring 2021, [30]
75. STAT 6430 (3), Design and Analysis of Experiments , Spring 2021, [26]
76. STAT 4950 (1), Undergrad Directed Study in Statistics , Spring 2021, [2]
77. STAT 4220 (3), Applied Experimental Designs , Summer 2021, [21]
78. FYOS 1001 (3), First Year Odyssey , Fall 2021, [13]
79. STAT 6420 (3), Applied Linear Models , Fall 2021, [31]
80. STAT 6430 (3), Design and Analysis of Experiments , Spring 2022, [28]
81. STAT 4950 (1), Undergrad Directed Study in Statistics , Spring 2022, [1]
82. STAT 4220 (3), Applied Experimental Designs , Summer 2022, [11]
83. STAT 4280 (3), Applied Time Series Analysis , Summer 2022, [1]
84. STAT 6280 (3), Applied Time Series Analysis , Summer 2022, [9]
85. STAT 4960R (1), Faculty-Mentored Undergraduate Research I , Summer 2022, [1]
86. FYOS 1001 (3), First Year Odyssey , Fall 2022, [14]
87. STAT 6420 (3), Applied Linear Models , Fall 2022, [28]
88. STAT 4950 (1), Undergrad Directed Study in Statistics , Fall 2022, [1]
89. STAT 6430 (3), Design and Analysis of Experiments , Spring 2023, [27]
90. STAT 4950 (1), Undergrad Directed Study in Statistics , Spring 2023, [1]
91. STAT 4990R (3), Undergraduate Thesis , Spring 2023, [1]
92. STAT 4220 (3), Applied Experimental Designs , Summer 2023, [25]
93. STAT 6510 (3), Mathematical Statistics I , Summer 2023, [13]
94. FYOS 1001 (3), First Year Odyssey , Fall 2023, [15]
95. STAT 6420 (3), Applied Linear Models , Fall 2023, [27]
96. STAT 4950 (1), Undergrad Directed Study in Statistics , Fall 2023, [2]
97. STAT 6430 (3), Design and Analysis of Experiments , Spring 2024, [18]
98. STAT 4950 (1), Undergrad Directed Study in Statistics , Spring 2024, [2]
99. STAT 4960R (3), Undergraduate Research , Spring 2024, [1]

100. STAT 4220 (3), Applied Experimental Designs , Summer 2024, [20]
101. STAT 6510 (3), Mathematical Statistics I , Summer 2024, [12]
102. STAT 4950 (3), Undergrad Directed Study in Statistics , Spring 2024, [1]
103. FYOS 1001 (3), First Year Odyssey , Fall 2024, [15]
104. STAT 6420 (3), Applied Linear Models , Fall 2024, [32]
105. STAT 4950 (1), Undergrad Directed Study in Statistics , Fall 2024, [1]

(Some of the numbers above are approximate)

Course Development:

STAT 6420 (Applied Linear Models)

STAT 6430 (Design and Analysis of Experiments)

STAT 4220 (Applied Experimental Designs): restructured this course in Spring 2010

Supervision of Graduate Student Research:

- Ph.D. Students (Dissertation supervision):
  1. Ming-Hung (Jason) Kao, Statistics (2009, Arizona State University, co-direct with John Stufken)
  2. Adrijo Chakraborty, Statistics (2014, NORC at the University of Chicago, co-direct with Gauri Datta)
  3. Wei Zhang, Statistics (2018, Sprint Corporation, co-direct with John Stufken)
  4. Hongzhi Wang, Statistics (2022, Medpace Holdings, Inc.)
  5. Jeevan Jankar, Statistics (2025)
  6. Yumo Peng, Statistics (current student)
  7. Arghadeep Basu, Statistics (current student, co-direct with Gauri Datta)
- Master's Students (Thesis supervision):
  1. Tan Ding, Statistics (2006, Industry)
  2. Padmanand Madhavan Nambiar, Statistics (2015, Industry)
  3. Tae-young Pak, Statistics (2018, University of Alabama)
  4. Natalia Bhattacharjee, Statistics (2018, Institute for Health Metrics and Evaluation, University of Washington at Seattle)
  5. Xiaotian Zhang, Statistics (2023)
  6. AliAnn Xu, Statistics (2025)
  7. Paige Courtney Taylor, Statistics (2025, co-direct with Aditya Mishra)

Graduate Student Advisory Committee Membership:

- Service on Ph.D. Committees: Jianping Zhu (Forest Resources/Statistics, 2007), Lingling Han (Statistics, 2007), Mi Yeon Shim (Poultry Science, 2010), Hsin-Ping Wu (Statistics, 2013), Linwei Hu (Statistics, 2014), Xijue Tan (Statistics, 2015), Matthew Madison (Statistics, 2016), Natalia Bhattacharjee (College of Engineering, 2017), Xiaoxiao Sun (Statistics, 2018), Rui Xie (Statistics, 2019), Xinlian Zhang (Statistics, 2019), Hee Cheol Chung (Statistics, 2020), Juhyung Lee (Statistics, 2021), Wanxue Zou (Statistics, 2021), Sonny Ye Wang (Statistics, 2021), Anuradhi Liyanapathiranage (Polymer, Fiber and Textile Sciences, 2022), Hyunseok Seung (Statistics, 2025).
- Service on Master's Committees: Tang Li (Statistics, 2008), Zhuofel Hou (Statistics, 2010), Mi Yeon Shim (Statistics, 2010), Jongmin Ra (Statistics, 2011), Siyan Hu (Statistics, 2011), Eugine Song (Statistics, 2012), Andrew Scott (Statistics, 2014), Mohammadreza Zarei (Statistics, 2021).

Supervision of Undergraduate Research and Directed Study:

- Undergraduate Resrarch
  1. Brian J. Lee (Summer 2014, a student of Carnegie Mellon University)
  2. Andrew Kane (Fall 2014– Spring 2016, Federal Reserve Board)
  3. Samantha Cao (Fall 2014– Spring 2015, Industry)
  4. Joshua Lukemire (Fall 2014– Spring 2015, PhD Emory University)
  5. Zachary Stokes (Spring 2015– Spring 2016, PhD UCLA)
  6. Theresa Devasia (Fall 2015– Spring 2016, PhD University of Michigan)
  7. Rachel Zilinskas (Fall 2016 – Spring 2018, PhD University of Minnesota)
  8. Shuchi Goyal (Summer 2017 – Spring 2018, PhD UCLA)
  9. Xuanting Huang (Spring 2018 – Summer 2018)
  10. Joseph Resch (Fall 2018 – Spring 2020, PhD UCLA)
  11. Kavya Paladugu (Fall 2019 – Spring 2020, Industry)
  12. Nathan Hales (Spring 2021 – Summer 2021)
  13. Yiren Hou (Spring 2021 – Spring 2023, MS University of Michigan)
  14. Gyu Beom Kim (Fall 2021 – Fall 2021, Industry)
  15. Lauren Rose Wilkes (Fall 2021 – Spring 2023, MS University of Cambridge)
  16. Sloka Sudhin (Spring 2023 –, current student)
  17. Deeya Datta (Fall 2024 –, current student)
- Directed Study
  1. Brittani Haag (Fall 2015, MS UNC Chapel Hill)
  2. Megan Elcheikhali (Spring 2017, Graduate study)
  3. Derek Dyal (Summer 2017, Graduate study)
  4. Lauren Rose Wilkes (Spring 2020 – Summer 2021, Graduate study)
  5. Trisha Nayak (Spring 2021 – Summer 2021, Industry)
  6. Isabella Hurley (Fall 2022 – Fall 2022, Graduate study)
  7. Bianca Wilson (Spring 2023 – Spring 2023)
  8. Deeya Datta (Fall 2023 – Fall 2023)
  9. Paige Courtney Taylor (Fall 2023 – Spring 2024, Graduate study)
  10. Audrey L. Floyd (Spring 2024 – Spring 2024)
  11. Julie A. Eichelbergerd (Spring 2025 – Spring 2025)

Supervision of K 12 Students:

1. Siri Jois (Summer 2017, an 11th grade student of Glenda Dawson High School)

Young Dawgs

1. Maximillian Whitford (Fall 2021, a student of Cedar Shoals High School)

Presentations

Invited

1. ForLion: A new algorithm for D-optimal designs under general parametric statistical models with mixed factors, International Conference on Advances in Interdisciplinary Statistics and Combinatorics (AISC2025), Greensboro, NC, June 2025.
2. Algorithm for Finding Optimal Design of Experiments, 27 Annual Conference of The Society of Statistics, Computer and Applications (SSCA) on Advances of Interdisciplinary Statistics and Applications in AI & ML (AISAAM-2025), Organized by North-Eastern Hill University, Shillong, India, February 2025.

3. Credible distributions of overall ranking of entities, 2024 International Indian Statistical Association (IISA) Conference, Kochi, Kerala, India, December 2024.
4. Credible distributions of overall ranking of entities, Eleventh Triennial International Symposium on Probability and Statistics organized by Calcutta Statistical Association jointly with the Department of Statistics, University of Calcutta, December 2024.
5. Credible distributions of overall ranking of entities, Indian Institute of Management Calcutta, Kolkata, India, December 2024.
6. Credible distributions of overall ranking of entities, International Conference on Advances in Interdisciplinary Statistics and Combinatorics (AISC2024), Greensboro, NC, October 2024.
7. Undergraduate Research - Importance, Challenges and Examples, Summer REU presentation at the University of North Carolina at Greensboro, NC, June 2024.
8. Credible distributions of overall ranking of entities, Emerging Trends of Statistical Sciences in AI and its Applications – (ETSSAA-2024), Organized by Society of Statistics, Computer and Applications (SSCA), Rajasthan, India, February 2024.
9. Algorithm for Finding Optimal Design of Experiments, 17th International Conference of IMBIC on Mathematical Sciences for Advancement of Science and Technology, Kolkata, India, December 2023.
10. Modeling and Active Learning for Experiments with Quantitative-Sequence Factors, Georgia Statistics Day, Atlanta, October 2023.
11. Algorithm for Finding Optimal Design of Experiments, 2023 INFORMS Conference on Quality, Statistics and Reliability (ICQSR), Raleigh, NC, June 2023.
12. Undergraduate Research - Importance, Challenges and Examples, Summer REU presentation at the University of North Carolina at Greensboro, NC, June 2023.
13. Modeling and Active Learning for Experiments with Quantitative-Sequence Factors, ASA/IMS Spring Research Conference 2023, Banff, Alberta, Canada, May 2023.
14. Modeling and Active Learning for Experiments with Quantitative-Sequence Factors, 2022 International Indian Statistical Association (IISA) Conference, Bengaluru, India, December 2022.
15. Modeling and Active Learning for Experiments with Quantitative-Sequence Factors, International Conference on Advances in Interdisciplinary Statistics and Combinatorics, virtual, Greensboro, NC, October 2022.
16. Computer Experiments − Design Theory and Applications, Summer REU presentation at the University of North Carolina at Greensboro, NC, June 2022.
17. Modeling and Active Learning for Experiments with Quantitative-Sequence Factors, ICSA 2022 Applied Statistics Symposium on Statistical Innovation in the Era of Artificial Intelligence and Data Science, Gainesville, FL, June 2022.
18. Modeling and Active Learning for Experiments with Quantitative-Sequence Factors, 5th International Conference on Econometrics and Statistics (EcoSta 2022), Hybrid Conference, Ryukoku University, Kyoto, Japan, June 2022.
19. EzGP: Easy-to-Interpret Gaussian Process Models for Computer Experiments with Both Quantitative and Qualitative Factors, 15th International Online Conference of IMBIC on Mathematical Sciences for Advancement of Science and Technology, Kolkata, India, December 2021.
20. Modeling and Active Learning for Experiments with Quantitative-Sequence Factors, Design and Analysis of Experiments 2021, virtual, October 2021.
21. Modeling and Active Learning for Experiments with Quantitative-Sequence Factors, International Conference on Advances in Interdisciplinary Statistics and Combinatorics, virtual, Greensboro, NC, October 2021.

22. A Hierarchical Bayes Unit-Level Small Area Estimation Model, 2021 IISA Conference on Statistics in the Era of Evidence Based Inference, Chicago, May 2021.
23. Optimal Crossover Designs for Generalized Linear Models, 14th International Online Conference of IMBIC on Mathematical Sciences for Advancement of Science and Technology, Kolkata, India, December 2020.
24. Computer Experiments − Design Theory and Applications, Global Meet on Computational Modeling and Simulation: Recent Innovations, Challenges and Perspectives, Webinar, Birla Institute of Technology and Science, Pilani, India, October 2020.
25. Computer Experiments − Design Theory and Applications, Diamond Jubilee Commemorative 3rd Webinar, Ramakrishna Mission Residential College Narendrapur, India, August 2020.
26. EzGP: Easy-to-Interpret Gaussian Process Models for Computer Experiments with Both Quantitative and Qualitative Factors, Indian Institute of Management Indore, India, December 2019.
27. A Lasso-based New Analysis Strategy for Designs with Complex Aliasing, 13th International Conference of IMBIC on Mathematical Sciences for Advancement of Science and Technology, Kolkata, India, December 2019.
28. EzGP: Easy-to-Interpret Gaussian Process Models for Computer Experiments with Both Quantitative and Qualitative Factors, Design and Analysis of Experiments 2019, Knoxville, TN, October 2019.
29. *d*-QPSO: Finding Optimal Designs for Models with Many Continuous and Discrete Factors and a Binary Response, International Conference on Design of Experiments, Memphis, TN, May 2019.
30. EzGP: Easy-to-Interpret Gaussian Process Models for Computer Experiments with Both Quantitative and Qualitative Factors, Department of Mathematics, Statistics and Computer Science, University of Illinois at Chicago, May 2019.
31. Optimal Designs for Generalized Linear Models, WuFest: A Conference on Engineering Statistics and Related Topics, Georgia Institute of Technology, May 2019.
32. EzGP: Easy-to-Interpret Gaussian Process Models for Computer Experiments with Both Quantitative and Qualitative Factors, Ninth Triennial International Symposium on Probability and Statistics organized by Calcutta Statistical Association jointly with the Department of Statistics, University of Calcutta, December 2018.
33. EzGP: Easy-to-Interpret Gaussian Process Models for Computer Experiments with Both Quantitative and Qualitative Factors, International Conference on Advances in Interdisciplinary Statistics and Combinatorics, Greensboro, NC, October 2018.
34. Robust Methods in Small Area Estimation, 2018 IISA Conference on Statistics, Gainesville, FL, May 2018.
35. Robust Methods in Small Area Estimation, Department of Mathematics, Statistics and Computer Science, University of Illinois at Chicago, March 2018.
36. Data Science: All Hands Together − Statistics, Computer Science and Mathematics, Department of Mathematics and Statistics, Indian Institutes of Science Education and Research, Kolkata, India, December 2017.
37. *d*-QPSO: Finding Optimal Designs for Models with Many Continuous and Discrete Factors and a Binary Response, Design and Analysis of Experiments 2017, Los Angeles, CA, October 2017.
38. Small Area Estimation with Mixture of Random Effects, Operations Management and Quantitative Techniques, Indian Institute of Management Indore, India, June 2017.

39. Small Area Estimation with Mixture of Random Effects, Department Of Biostatistics And Bioinformatics, Emory University, March 2017.
40. Small Area Estimation with Mixture of Random Effects, Platinum Jubilee International Conference on Applications of Statistics, University of Calcutta, December 2016.
41. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, Department of Mathematics and Statistics, Indian Institutes of Science Education and Research, Kolkata, India, December 2016.
42. Small Area Estimation with Uncertain Random Effects, School of Mathematics and Statistical Sciences, Arizona State University, October 2016.
43. Optimal Design of Experiments for Generalized Linear Models, International Conference on Advances in Interdisciplinary Statistics and Combinatorics, Greensboro, NC, October 2016.
44. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, Department of Computer Science and Engineering, P.E.S. Institute of Technology - South Campus, Bangalore, India, September 2016.
45. Optimal Design of Experiments for Generalized Linear Models, Spring Research Conference, Chicago, IL, May 2016.
46. Optimal Design of Experiments for Generalized Linear Models, International Conference on Design of Experiments, Memphis, TN, May 2016.
47. Optimal Design of Experiments for Generalized Linear Models, R.C. Bose Memorial Session, Eighth Triennial International Symposium on Probability and Statistics organized by Calcutta Statistical Association jointly with the Department of Statistics, University of Calcutta, December 2015.
48. Optimal Design of Experiments for Generalized Linear Models, INFORMS Annual Meeting, Philadelphia, November 2015.
49. Optimal Design of Experiments for Generalized Linear Models, Department of Statistics, University of California at Davis, May 2015.
50. D-optimal designs with ordered categorical data, Design and Analysis of Experiments 2015, Cary, NC, March 2015.
51. Optimal Designs for Two Level Factorial Experiments With Binary Response, Statistics and Mathematics Unit, Indian Statistical Institute, Kolkata, India, December 2014.
52. Small Area Estimation with Uncertain Random Effects, Department of Mathematics, Statistics and Computer Science, University of Illinois at Chicago, August 2014.
53. Small Area Estimation with Uncertain Random Effects, Frontiers of Hierarchical Modeling in Observational Studies, Complex Surveys and Big Data: A Conference Honoring Professor Malay Ghosh, College Park, MD, May 2014.
54. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, Department of Biostatistics, University of Minnesota, May 2014.
55. Optimal Designs for Two Level Factorial Experiments With Binary Response, Fourth International Workshop in Sequential Methodologies, University of Georgia, July 2013.
56. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, The 2nd Workshop on Biostatistics and Bioinformatics: Celebrating the International Year of Statistics, Georgia State University, Atlanta, GA, May 2013.
57. Optimal Designs for Two Level Factorial Experiments With Binary Response, Eighth Triennial International Symposium on Probability and Statistics organized by Calcutta Statistical Association jointly with the Department of Statistics, University of Calcutta, December 2012.
58. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, Department of Statistics, University of California at Davis, November 2012.

59. Optimal Designs for Two Level Factorial Experiments With Binary Response, International Conference on Advances in Interdisciplinary Statistics and Combinatorics, Greensboro, NC, October 2012.
60. Optimal Designs for Two Level Factorial Experiments With Binary Response, H. Milton Stewart School of Industrial and Systems Engineering, Georgia Institute of Technology, Atlanta, GA, September 2012.
61. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, IMS/ASA Spring Research Conference 2012, Harvard University, June 2012.
62. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, Department of Mathematics, Statistics and Computer Science, University of Illinois at Chicago, March 2012.
63. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, Contemporary Issues and Applications of Statistics, Indian Statistical Institute, Kolkata, India, January 2012.
64. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, Department of Mathematics and Statistics, University of Maryland, Baltimore County, September 2011.
65. Optimal Designs for Two Level Factorial Experiments With Binary Response, Statistical Society of Canada Annual Meeting, Wolfville, Canada, June, 2011.
66. Constrained Multi-objective Designs for Functional MRI Experiments via A Modified NSGA-II, International Conference on Design of Experiments, Memphis, TN, May 2011.
67. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, Design and Analysis of Experiments in Modern-day Science and Technology, The Radcliffe Institute for Advanced Study at Harvard University, Cambridge, MA, March 2011.
68. Optimal Designs for Two Level Factorial Experiments With Binary Response, Department of Mathematics, Statistics and Computer Science, University of Illinois at Chicago, February, 2011.
69. Multi-objective Optimal Designs and Social Network Models for Identifying Active Brain Regions in Event-Related fMRI Studies, Applied Statistics Unit, Indian Statistical Institute, Calcutta, India, December 2010.
70. Estimation of Process Parameters to Determine the Optimum Diagnosis Interval for Control of Defective Items, Department of Mathematics and System Analysis, Aalto University, Finland, November 2010.
71. Optimal Designs for Two Level Factorial Experiments With Binary Response, INFORMS Annual Meeting, Austin, November 2010.
72. Multi-objective Optimal Designs and Social Network Models for Identifying Active Brain Regions in Event-Related fMRI Studies, Division of Biostatistics and Epidemiology. Medical University of South Carolina, Charleston, SC, September, 2010.
73. Social Network Models for Identifying Active Brain Regions from fMRI Data, Department of Mathematics, Statistics and Computer Science, University of Illinois at Chicago, April, 2010.
74. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, Advances in Statistical Science - International Conference in Celebration of 90th Birth Anniversary of Professor C.R. Rao, Calcutta, January 2010.
75. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, Seventh Triennial International Symposium on Probability and Statistics organized by Calcutta Statistical Association jointly with the Department of Statistics, University of Calcutta, December 2009.

76. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, INFORMS Annual Meeting, San Diego, October 2009.
77. *G*-SELC: Optimization by Sequential Elimination of Level Combinations Using Genetic Algorithm and Gaussian Processes, Joint Statistical Meeting, Washington DC, August, 2009.
78. *G*-SELC: Optimization by Sequential Elimination of Level Combinations Using Genetic Algorithm and Gaussian Processes, Spring Research Conference On Statistics in Industry and Technology, Vancouver, Canada, June 2009.
79. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, Department of Statistics and Biostatistics, Rutgers University, March, 2009.
80. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, Department of Mathematics, Statistics and Computer Science, University of Illinois at Chicago, February, 2009.
81. *G*-SELC: Optimization by Sequential Elimination of Level Combinations Using Genetic Algorithm and Gaussian Processes, Department of Biomedical Engineering and Computational Sciences, Helsinki University of Technology, November 2008.
82. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, Department of Mathematics and Statistics, University of Helsinki, November, 2008.
83. *G*-SELC: Optimization by Sequential Elimination of Level Combinations Using Genetic Algorithm and Gaussian Processes, School of Industrial and Systems Engineering, Georgia Institute of Technology, Atlanta, GA, October 2008.
84. *G*-SELC: Optimization by Sequential Elimination of Level Combinations Using Genetic Algorithm and Gaussian Processes,, International Conference on Interdisciplinary Mathematical and Statistical Techniques, University of Memphis, May, 2008.
85. Estimation of process parameters to determine the optimum diagnosis interval for control of defective items, Indian Statistical Institute, Kolkata, December, 2007.
86. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, University of Clemson, November 2007.
87. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, International Conference on Advances in Interdisciplinary Statistics and Combinatorics, Greensboro, Octoberber 2007.
88. Design Efficiency under Model Uncertainty for Nonregular Fractions of General Factorials, Sixth Triennial International Symposium on Probability and Statistics organized by Calcutta Statistical Association jointly with the Department of Statistics, University of Calcutta, December 2006.
89. Estimation of Process Parameters to Determine the Optimum Diagnosis Interval for Control of Defective Items, NISS Affiliates & NISS/SAMSI University Affiliates 2006 Annual Meeting
90. SELC: Sequential Elimination of Level Combinations by means of modified Genetic Algorithms, University of Clemson, December 2005.
91. SELC: Sequential Elimination of Level Combinations by means of modified Genetic Algorithms, Spring Research Conference, Park City, Utah, June 2005.
92. SELC: Sequential Elimination of Level Combinations by means of modified Genetic Algorithms, Fifth Biennial International Conference on Statistics, Probability and Related Areas organized by IISA, May 2004.

Contributed

93. ForLion: A new algorithm for D-optimal designs under general parametric statistical models with mixed factors, Design and Analysis of Experiments 2024, Virginia Tech, Blacksburg, VA, May 2024.
94. Using Particle Swarm Optimization to Search for Optimal Designs for Mixed Factor Experiments with Binary Response, Spring Research Conference, Rutgers, New Brunswick, NJ, May 2017.
95. G-SELC: Optimization by Sequential Elimination of Level Combinations Using Genetic Algorithm and Gaussian Processes, Spring Research Conference, Georgia Institute of Technology, Atlanta, GA, May 2008.
96. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, International Conference on Statistical Paradigms: Recent Advances and Reconciliations, Indian Statistical Institute, Kolkata, January, 2008.
97. Multi-objective Optimal Experimental Designs for Event-Related fMRI Studies, Design and Analysis of Experiments (DAE), University of Memphis, Octoberber 2007.
98. Estimation of process parameters to determine the optimum diagnosis interval for control of defective items, Joint Research Conference, June, 2006.
99. Estimation of process parameters to determine the optimum diagnosis interval for control of defective items, Joint Statistical Meeting, August, 2006.
100. Sequential Elimination of Level Combinations by means of modified Genetic Algorithms, 28Th Annual Midwest Biopharmaceutical Statistics Workshop, Muncie, IN, May 2005.
101. Sequential Elimination of Level Combinations by means of modified Genetic Algorithms, 2005 Quality and Productivity Research Conference , Minneapolis, MN, May 2005.
102. Design Efficiency under Model Uncertainty for Nonregular Fractions of General Factorials, Joint Statistical Meeting, August, 2005.
103. SELC : Sequential Elimination of Level Combinations by Means of Modified Genetic Algorithms, INFORMS Denver, October 2004.
104. SELC: Sequential Elimination of Level Combinations by means of modified Genetic Algorithms, Joint Statistical Meeting, August, 2004.
105. Design Efficiency under Model Uncertainty for Nonregular Fractions of General Factorials, Fifth Biennial International Conference on Statistics, Probability and Related Areas organized by IISA, May 2004.
106. Multivariate Liquid Association with Application to Drug Optimization, INFORMS Atlanta, October, 2003.
107. Sequential Elimination of Levels in Design of Experiments Using Genetic Algorithms, INFORMS Atlanta, October, 2003.
108. Bayesian Designs for Factor Screening and Response Surface Exploration, Joint Statistical Meeting, August, 2003.
109. Optimal Designs for Model Selection, Pfizer Global Research and Development, December, 2002.

PROFESSIONAL SERVICE

Service to Professional Societies:

- Served as a member of the Management Committee of *Technometrics* (as a representative of the American Statistical Association), an ASA journal published by Taylor & Francis (January 2025 − present).
- Served as a member of the Digital/Multimedia Scientific Area Committee (SAC), as the Statistics Representative on the SAC and as a participant on the FSSB Statistics Task Group, within the Organization of Scientific Area Committees (OSAC) for Forensic Science of National Institute of Standards and Technology. (October 2024 − present).
- Served as the Foreign Secretary of the Society of Statistics, Computer and Applications. (May 2022 − present).
- Served as the treasurer of the IISA Statistical Association. (Jan 2022 − present).
- Served as a member of the Video/Imaging Technology and Analysis Subcommittee, within the Organization of Scientific Area Committees (OSAC) for Forensic Science of National Institute of Standards and Technology. (October 2020 − September 2024).
- Served as the treasurer of the Georgia chapter of the American Statistical Association. (March 2018 − present).
- Served as a member of the IT/Multimedia Scientific Area Committee within the Organization of Scientific Area Committees (OSAC) of National Institute of Standards and Technology. (September 2014 − September 2020).

- Event Organizer:
  1. Organizer, 2024 Data Science and Artificial Intelligence Summer Camp, Athens, GA, July, 2024.
  2. Co-Organizer, 2023 Data Science and Artificial Intelligence Summer Camp, Athens, GA, July, 2023.
  3. Co-Organizer, 2021 UGA Data Science Competition, Athens, GA, April, 2021.
  4. Co-Organizer, 2021 Data Science and Artificial Intelligence Summer Camp, Athens, GA, July, 2021.

- Conference Organizer:
  1. Co-Organizer, Georgia Statistics Day Conference 2022, Athens, GA, October, 2022.
  2. Co-Organizer, Georgia Statistics Day Conference 2018, Athens, GA, October, 2018.
  3. Co-Organizer, Georgia Statistics Day Conference 2015, Athens, GA, October, 2015.
  4. Local Organizing Committee member, Fourth International Workshop in Sequential Methodologies (IWSM2013), Athens, GA, July, 2013.
  5. Co-Organizer, Design and Analysis of Experiments Conference 2012, Athens, GA, October, 2012.
  6. Local organizer, NISS/SAMSI University Affiliates Annual Meeting, April, 2006.

- Conference Scientific Committee Member:
  1. Scientific Program Committee, 2025 International Indian Statistical Association (IISA) Annual Conference, University of Nebraska-Lincoln, Lincoln, Nebraska, June 2025.
  2. International Organizing Committee, 2024 International Indian Statistical Association (IISA) Annual Conference, Kochi, Kerala, India, December 2024.
  3. Scientific Program Committee, The 20th UNCG Regional Mathematics and Statistics Conference (RMSC), Greensboro, NC, November 2024.

4. Scientific Program Committee, International Conference on Advances in Interdisciplinary Statistics and Combinatorics, Greensboro, NC, October 2024.
5. Scientific Program Committee, The 19th UNCG Regional Mathematics and Statistics Conference (RMSC), Greensboro, NC, November 2023.
6. International Organizing Committee, International Indian Statistical Association (IISA) Annual Conference, Golden, CO, June 2023.
7. General Co-Chair, The 1st IEEE Computer Society International Conference on Data, Decision and Systems (ICDDS), Bengaluru, India, December 2022.
8. Scientific Program Committee, International Conference on Advances in Interdisciplinary Statistics and Combinatorics, Greensboro, NC, October 2021.
9. Program Committee, International Conference on Design of Experiments, Memphis, TN, May 2019.
10. Organizing Committee, WuFest: A Conference on Engineering Statistics and Related Topics, Georgia Institute of Technology, May 2019.
11. Scientific Program Committee, International Conference on Advances in Interdisciplinary Statistics and Combinatorics, Greensboro, NC, October 2018.
12. Steering Committee member, Georgia Statistics Day Conference 2017, Emory University, GA, October, 2017.
13. Steering Committee member, Georgia Statistics Day Conference 2016, Georgia Institute of Technology, GA, October, 2016.
14. Scientific Program Committee, International Conference on Advances in Interdisciplinary Statistics and Combinatorics, Greensboro, NC, September 2016.
15. Scientific Program Committee, International Conference on Design of Experiments, Memphis, TN, May 2016.

- Conference Session Organizer and Chair:
  1. Session Organizer, International Conference on Advances in Interdisciplinary Statistics and Combinatorics, Greensboro, NC, June 2025.
  2. Session Organizer, 2025 International Indian Statistical Association (IISA) Conference, University of Nebraska-Lincoln, Lincoln, Nebraska, June 2025.
  3. Session Organizer, 2024 International Indian Statistical Association (IISA) Conference, Kochi, Kerala, India, December 2024.
  4. Session Organizer and Chair, International Conference on Advances in Interdisciplinary Statistics and Combinatorics, Greensboro, NC, October 2024.
  5. Session Organizer, 2022 International Indian Statistical Association (IISA) Conference, Bengaluru, India, December 2022.
  6. Session Chair, 2020 Monie A. Ferst Award Symposium, Atlanta, October 2021.
  7. Session Organizer and Chair, International Conference on Advances in Interdisciplinary Statistics and Combinatorics, Greensboro, NC, October 2021.
  8. Session Organizer, 2021 International Indian Statistical Association (IISA) Conference, Chicago, IL, May 2021.
  9. Session Chair, Metaheuristic Optimization, Machine Learning and AI – Virtual Workshop, SAMSI, March 2021.
  10. Session Organizer, 13th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2020), King's College London, UK, December 2020.
  11. Session Organizer and Chair, 2020 International Indian Statistical Association (IISA) Conference, Chicago, IL, July 2020.
  12. Session Organizer and Chair, International Conference on Advances in Interdisciplinary Statistics and Combinatorics, Greensboro, NC, October 2018.

13. Session Organizer, International Indian Statistical Association (IISA) International Conference on Statistics, Hyderabad, India, December 2017.
14. Session Organizer and Chair, Design and Analysis of Experiments, Los Angeles, CA, October 2017.
15. Session Organizer and Chair, Spring Research Conference, Rutgers, New Brunswick, NJ, May 2017.
16. Session Organizer and Chair, International Conference on Advances in Interdisciplinary Statistics and Combinatorics, Greensboro, NC, September 2016.
17. Session Organizer, International Chinese Statistical Association (ICSA) Applied Statistical Symposium, Atlanta, GA, June 2016.
18. Session Organizer and Chair, Spring Research Conference, Chicago, IL, May 2016.
19. Session Organizer, International Conference on Design of Experiments, Memphis, TN, May 2016.
20. Session Organizer, International Statistics Conference: Statistics and Society in the New Information Age, Colombo, Sri Lanka, December 2014.
21. Session Organizer, International Symposium on Business and Industrial Statistics, Durham, NC, June 2014.
22. Session Organizer, Statistical Society of Canada Annual Meeting, Wolfville, Canada, June, 2011.
23. Session Organizer, International Conference on Design of Experiments, Memphis, TN, May, 2011.
24. Session Chair, IMS/ASA Spring Research Conference 2012, Harvard University, June 2012.
25. Session Chair, International Conference on Design of Experiments, Memphis, TN, May, 2011.
26. Session Chair, Joint Statistical Meeting, Washington DC, August, 2009.
27. Session Organizer and Chair, Spring Research Conference On Statistics in Industry and Technology, Vancouver, Canada, June 2009.
28. Session Chair, Symposium on New Directions in Asymptotic Statistics, Athens, May, 2009.
29. Session Chair, Spring Research Conference, Atlanta, May, 2008.
30. Session Chair, INFORMS Atlanta, October, 2003.

Refereeing Journal and Proceedings Articles:

1. Annals of Applied Statistics (3),
2. Biometrics,
3. Canadian Journal of Statistics (4),
4. Chemometrics and Intelligent Laboratory Systems (3),
5. Computational Statistics and Data Analysis (6),
6. Computers and Industrial Engineering (5),
7. Communications in Statistics − Case Studies and Data Analysis,
8. Communications in Statistics − Simulation and Computation,
9. Communications in Statistics − Theory and Methods (3),
10. European Journal of Operational Research,
11. IEEE Transactions on Automation,
12. IIE Transactions on Quality and Reliability Engineering,
13. IIE Transactions (2),

14. IISE Transactions,
15. Involve,
16. Journal of Advances in Modeling Earth Systems,
17. Journal of Agricultural, Biological, and Environmental Statistics,
18. Journal of American Statistical Association (4),
19. Journal of Applied Statistics (2),
20. Journal of Chemical Information and Modeling,
21. Journal of CO_2 Utilization,
22. Journal of Forensic Sciences (2),
23. Journal of Indian Society of Agricultural Statistics (2),
24. Journal of Multivariate Analysis,
25. Journal of Quality Technology (3),
26. Journal of Quantitative Economics,
27. Journal of Statistical Distributions and Applications,
28. Journal of Statistical Planning and Inference (11),
29. Journal of Statistical Software,
30. Journal of Statistical Theory and Practice (7),
31. Journal of Testing and Evaluation,
32. Journal of the Korean Statistical Society (3),
33. Journal of the Royal Statistical Society - Series C (5),
34. Metrika,
35. MOR Journal,
36. Naval Research Logistics,
37. New England Journal of Statistics in Data Science,
38. Operations Research,
39. Optimization Letter,
40. Pakistan Journal of Science,
41. PLoS ONE (2),
42. Punjab University Journal of Mathematics,
43. Sankhya (4),
44. Scandinavian Journal of Statistics,
45. Scientific Reports (2),
46. Sequential Analysis,
47. SN Applied Sciences,
48. Soft Computing,
49. Statistica Sinica (6),
50. Statistical Papers,
51. Statistical Theory and Related Fields,
52. Statistics and Applications (2),
53. Statistics and Computing (2),
54. Statistics and Probability Letters (9),

55. Statistics in Medicine (7),
56. Survey Methodology,
57. Technometrics (11),
58. The American Statistician (2),
59. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery.

Refereeing Book Proposal:

1. Evaluated a book proposal submitted to Springer Nature for publication (2025).

Grant Review Panel Member:

1. Served on the GRFP Panel of National Science Foundation, Arlington, VA, January 2019, 2020, 2021, 2022.
2. Served on the DMS Panel of National Science Foundation, Arlington, VA, January 2018.
3. Served on the DMREF Math Panel of National Science Foundation, Arlington, VA, June 2015.

Ad hoc Grant Reviewer:

1. National Science Foundation − MMS Program (2016)
2. National Science Foundation − MMS Program (2013)
3. National Security Agency (2006)

Reviewer of Workshop Proposal:

1. Proposal 26w5630 on Experimental Design in the Age of Artificial Intelligence submitted to Banff International Research Station, 2024.

External Academic Program Review:

1. Chaired the external committee to evaluate the B.S. program in Statistics in the University of Tennessee, Knoxville's College of Arts and Sciences, 2021
2. Reviewed a new B.S. in Data Science degree program proposed by the Rowan University in Glassboro, NJ as an external consultant, 2022

External Evaluator of Promotion Dossier:

1. Evaluated promotion dossier to Associate Professor at Old Dominion University, 2025
2. Evaluated promotion dossier to Associate Professor at Arizona State University, 2024
3. Evaluated promotion dossier to Clinical Associate Professor at University of Florida, 2024
4. Evaluated two candidates for Assistant Professors tenure-track position in the Institute of Statistics of the National Tsing Hua University, 2021
5. Evaluated promotion and tenure dossier to Associate Professor at University of Michigan-Dearborn, 2020
6. Evaluated promotion dossier to Senior Lecturer SOE Step 6 at UCLA, 2019

7. Evaluated promotion dossier to Clinical Associate Professor at University of Florida, 2014

External Evaluator of Ph.D. Dissertation:

1. Evaluated a Ph.D. Dissertation submitted to the Department of Mathematics, Indian Institute of Technology Bombay, India, 2025
2. Evaluated a Ph.D. Dissertation submitted to the Department of Mathematics, Indian Institute of Technology Hyderabad, India, 2024
3. Evaluated a Ph.D. Dissertation submitted to the Department of Statistics, University of Calcutta, India, 2021
4. Evaluated a Ph.D. Dissertation submitted to the Department of Computer Science and Engineering, Visvesvaraya Technological University, Belagavi, India, 2021
5. Evaluated a Ph.D. Dissertation submitted to the School of Mathematical and Statistical Sciences, Arizona State University, 2017

Service on University Committees:

1. Participated in the UGA Diversity Leadership Book Club led by Associate Dean Jean Martin-Williams (Summer 2022), (Summer 2023)
2. Served on Quantitative Reasoning Assessment Committee – member: (2020−21)
3. University Promotion & Tenure Committee – member: (2018−19), (2019−20), (2020−21)
4. University Council (Fall 2015 – Spring 18), (Fall 2023 – Spring 26)

Service on Departmental Committees:

1. Undergraduate Coordinator: (2016−17), (2017−18), (2018−19), (2019−20), (2020−21), (2021−22), (2022−23), (2023−24)
2. Graduate Committee – member: (2007−08), (2008−09), (2019−20), (2020−21), (2023−24), (2024−25)
3. Curriculum Planning Committee – co-Chair: (2021−22), (2022−23), (2023−24)
4. Assistant Professor Search Committee – Chair: (2021−22)
5. Assistant Professor Search Committee – member: (2024−25)
6. Lecturer Search Committee – member: (2020−21)
7. Ad Hoc Committee: Statistics webpage: (2020−21), (2021−22), (2022−23), (2023−24)
8. Faculty Review Committee: (2020−21)
9. Personnel Committee – Chair: (2019−20)
10. Personnel Committee – member: (2018−19), (2021−22), (2022−23)
11. Executive Advisory Committee (EAC) – member: (2022−23), (2023−24)
12. Student Awards Committee – member: (2022−23), (2023−24)
13. Research and Development Committee – member: (2013−14), (2018−19), (2019−20)
14. Research and Development Committee – Chair: (2012−13)
15. Post tenure review committee of Pengsheng Ji (2022−23)
16. Post tenure review committee of Wenxuan Zhong (2022−23)
17. Post tenure review committee of Ping Ma (2020−21)
18. Post tenure review committee of T. N. Sriram (2019−20)

19. Post tenure review committee of Jaxk Reeves (2019−20)
20. Post tenure review committee of Ping Ma (2018−19)
21. Mentoring Committee of Isaac Ocloo − member:(2021−22), (2022−23), (2023−24), (2024−25)
22. Mentoring Committee of Sarangan Balasubramaniam − Chair:(2023−24), (2024−25)
23. Mentoring Committee of Mohamad Kazem Shirani Faradonbeh − member: (2020−21), (2021−22), (2022−23)
24. Mentoring Committee of Muduranga Dassanayake − Chair: (2018−19), (2019−20), (2020−21), (2021−22), (2022−23)
25. Mentoring Committee of Monsur Chowdhury − member: (2019−20), (2020−21), (2021−22), (2022−23), (2023−24)
26. Mentoring Committee of Yuan Ke − member: (2018−19), (2019−20), (2020−21), (2021−22), (2022−23)
27. Mentoring Committee of Qian Xiao − Chair: (2017−18), (2018−19), (2019−20), (2020−21), (2021−22), (2022−23)
28. Mentoring Committee of Ruizhi Zhang − Chair: (2022−23), (2023−24), (2024−25)
29. Mentoring Committee of Mandev Gill − member: (2023−24), (2024−25)
30. Mentoring Committee of Aditya Mishra − member: (2023−24), (2024−25)
31. Mentoring Committee of Shuyang Ray Bai − member: (2016−17), (2017−18), (2018−19), (2019−20), (2020−21), (2021−22)
32. Academic Professional Search Committee − member: (2018−19)
33. Ad Hoc Committee: Restructuring QEP and Comprehensive Examinations − Chair: (2018−19)
34. Ad Hoc Committee: Head Search Committee of Statistics − member: (2017−18)
35. Academic Professional Search Committee − member: (2017−18)
36. Ad Hoc Committee: Annual Evaluation of Statistics Faculty − member: (2016−17)
37. Assistant Professor Search Committee − member: (2015−16), (2016−17)
38. BS in Data Science Committee − member: (2016−17), (2017−18), (2018−19)
39. Ad hoc committee: Re-evaluate STAT8910-20-30 Course sequence − member: (2015−16)
40. Colloquium Committee − Co-chair: (2013−14), (2014−15), (2015−16), (2016−17), (2017−18), (2022−23), (2023−24)
41. Colloquium Committee − Chair: (2006−07), (2008−09)
42. Computing Committee − member: (2016−17), (2017−18)
43. Computing Committee − Chair: (2007−08), (2008−09), (2009−10), (2010−11), (2014−15), (2015−16)
44. Search Committee for the Lecturer/Instructor Position − member: (2012)
45. Ad Hoc Committee: Graduate Program Policy and Procedures − member: (2007−08), (2008−09), (2009−10)
46. Examination Committee (QEP) − member: (2005−06), (2006−07), (2007−08), (2010−11), (2011−12), (2012−13), (2022−23), (2023−24)
47. Examination Committee (QEP) − chair: (2024−25)

Other Services to the Department:

1. Statistics Club Advisor

2. Organizer of Annual Bradley Lecture Event
3. Organizer of Joint UGA-Clemson Colloquium
4. Organizer of Industry Day Events

Professional Memberships:

1. American Statistical Association
2. Elected Member of International Statistical Institute
3. International Indian Statistical Association