DIPAK K. DEY

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CONTACT INFORMATION

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FAX:	(860) 486-4113 (Office)
HOME PAGE:	http://merlot.stat.uconn.edu/~dey/
ORCID ID:	https://orcid.org/0000-0002-9367-9731
GOOGLE SCHOLAR:	https://bit.ly/2AXskiP
WIKIPEDIA PAGE:	https://en.wikipedia.org/wiki/Dipak_K._Dey
GENEALOGY PAGE:	https://bit.ly/3gjyhXh
DATE & PLACE OF BIRTH:	August 12, 1953; Calcutta, India
CITIZENSHIP:	U.S.A. (naturalized citizen)

SHORT BIOGRAPHY

Dipak K. Dey, is a Board of Trustees Distinguished Professor of Statistics, at the University of Connecticut. He received his Ph.D. in Statistics from Purdue University in 1980. He is an elected fellow of the American Association for the Advancement of Science, American Statistical Association, the Institute of Mathematical Statistics, International Society for Bayesian Analysis, Connecticut Academy of Arts and Sciences, Connecticut Academy of Science and Engineering and an elected member of the International Statistical Institute. Some of the awards and honors Dey has received include the Outstanding Alumni award from the Department of Statistics, Purdue University, the Distinguished Alumni award from the College of Science, Purdue University, the first Marth award for mentorship from the University of Connecticut, the Research Excellence Award from the University of Connecticut Alumni Association, the Research Excellence Award from the American Association of the University Professor, University of Connecticut and the first mentor ship award for mentoring faculty in the College of Liberal Arts and Sciences, University of Connecticut. He has published eleven books/edited volumes and over 330 refereed journal articles and book chapters in various statistical and interdisciplinary journals. His research area includes, statistical methodology and applications involving categorical and longitudinal data, classification and clustering, spatio-temporal and survival data analysis. Areas of his research applications include Biometry, Bioinformatics, Data mining, Environmetrics, Econometrics, Image processing, Morphometry, and Population Genetics. He has supervised 52 Ph.D. students and has presented more than 270 talks at professional meetings and various departments. He has been a visiting professor at Macquire University, Sydney, Australia, Pontificia Universidad de Catolica, Santiago, Chile, University of Sao Paulo, Sao Paulo, Brazil, University of British Columbia, Vancouver, Canada, Indian Statistical Institute, Calcutta and Delhi, India, Indian Institute of Technology, Kanpur, India, the National Institutes of Standards and Technology, Gaithersburg, MD, Statistical and Applied Mathematical Sciences Institute, Research Triangle Park, NC and Social and Decision Analytics Laboratory at Virginia Tech, National Capital Region, Arlington, VA.

EDUCATIONAL HISTORY

1. B. Stat. (Honors), Indian Statistical Institute, 1974 (Statistics)
2. M.Stat., Indian Statistical Institute, 1975 (Specialization: Advanced Probability and Mathematical Statistics)
3. M.S., Purdue University, 1977 (Statistics)
4. Ph.D., Purdue University, 1980 (Statistics); Advisor: James O. Berger, Member NAS. (Currently retired from Duke University).

CERTIFICATION

1. Accredited professional statistician by the American Statistical Association, August 2010.
2. Received P. Stat. (Professional Statistician Certificate).

EMPLOYMENT

1. Aug. 1975 Dec. 1979 Purdue University, Teaching and Research Assistant
2. Aug. 1979 Dec. 1979 Stanford University, Visiting Scholar
3. Jan. 1980 Aug. 1982 University of Kentucky, Visiting Faculty
4. Sept. 1982 Aug. 1985 Texas Tech University, Assistant Professor
5. Sept. 1985 Aug. 1990 University of Connecticut, Associate Professor
6. Sept. 1990-Present University of Connecticut, Professor
7. Oct./Nov. 1991 Indian Statistical Institute, Calcutta, Visiting Professor
8. Sept. 1991 Macquire University, Sydney, Visiting Professor
9. Jan. 1997-Aug. 1997 University of Connecticut, Professor and Acting Head
10. Sept.1997–Jun. 2011 University of Connecticut, Professor and Head
11. Jul. 2011-Jun. 2016 University of Connecticut, Distinguished Professor and Associate Dean, College of Liberal Arts and Sciences
12. Sept./Oct. 2001 University of British Columbia, Visiting Professor
13. Aug. 2001- National Institute of Standards and Technology, Visiting Faculty
14. Aug. 2007- Dec. 2007 Duke University, Visiting Professor
15. Jan. 2008- University of Connecticut, Board of Trustees Distinguished Professor.
16. July 2008- Associate Director, Connecticut Institute of Clinical and Translational Sciences (CICATS).
17. October 2016- Virginia Tech, Social Data Analytics, Arlington, VA, Visiting Professor.
18. January/February 2024- Indian Institute of Technology, Kanpur, India. Visiting Distinguished Professor.

AWARDS

1. National Merit Scholarship from Government of India, August 1970 to August 1975.
2. Received awards in the form of books during undergraduate years at the Indian Statistical Institute.
3. David Ross Fellowships from July 1978 to December 1979 from Purdue University.
4. Research Excellence Award from the American Association of the University Professor, the University of Connecticut, 2004.
5. Research Excellence Award (Science) from the University of Connecticut Alumni Association, 2005.
6. Outstanding Alumni Award, Department of Statistics, Purdue University, 2007.
7. Board of Trustees Distinguished Professor Award, University of Connecticut, 2008.
8. Marth Award for Mentoring Graduate Students from the American Association of the University Professor, and the Graduate School, University of Connecticut, 2012.
9. Outstanding Statistician Award, Connecticut chapter of the American Statistical Association, 2014.
10. Distinguished Alumni Award, College of Science, Purdue University, April 2018.
11. Don Owen Award from American Statistical Association, San Antonio Chapter and Taylor and Francis Group for excellence in research, Contributions to Editorial activities, and Service to the Statistical Community, April, 2018.
12. Distinguished Service Award, International Indian Statistical Association, 2020.
13. Faculty Mentoring of Faculty Award, College of Liberal Arts and Sciences, University of Connecticut, May 2021.
14. Life Time Achievement Award from International Indian Statistical Association, June 2022.
15. Outstanding Career Award from The Brazilian Statistical Association, August 2023.
16. Bradley Lecturer in the Department of Statistics, University of Georgia, Athens, GA. April 2024.
17. Life Time Achievement Award from Banaras Hindu University and Bayesian Societies of India, January 2025.
18. Ronald Hocking Lecture and award in the Department of Statistics, Texas A M University, College Station, TX. April 2025.

HONORS OR DISTINCTIONS

1. President (1988-89) of the Connecticut Chapter of the American Statistical Association.
2. Elected Member of the International Statistical Institute, 1991.
3. Elected Life Member of the Calcutta Statistical Association, 1992.
4. Elected Member of the New York Academy of Sciences, 1995.
5. Fellow of the American Statistical Association, 1997.
6. Fellow of the Institute of Mathematical Statistics, 2000.
7. President of the International Indian Statistical Association, 2002-2004.
8. Representative of the Section on Bayesian Statistical Sciences to the American Statistical Association, 2003-2005.

9. Elected Chair of the Section on Bayesian Statistical Sciences of the American Statistical Association, 2007.
10. Member of the Lindley Prize Committee under the International Society for Bayesian Analysis.
11. Program coordinator, SAMSI program on Risk Analysis, Extreme Events and Decision Theory, 2007.
12. Elected Member of the Connecticut Academy of Arts and Sciences, 2009.
13. Elected Fellow of the American Association for the Advancement of Science, 2011.
14. Elected Fellow of the International Society for Bayesian Analysis, 2014.
15. Editor-in-chief, "Sankhya", The Indian Journal of Statistics, 2016-.
16. Elected Member of the Connecticut Academy of Science and Engineering, 2021.

ADMINISTRATIVE EXPERIENCE

1. Senior Associate Dean of College of Liberal Arts and Sciences (CLAS) (June 1, 2011- June 30, 2016)
   (a) Duties include managing Physical Science Departments (Physics, Chemistry, Mathematics, Statistics, Geography, Marine Science and Integrative Geosciences)
   (b) In charge of Research and Development of CLAS
   (c) In charge of all faculty development program in the CLAS
   (d) In charge of Development of Corporate Partnership Program
   (e) In charge of Development of Global Initiative Program
   (f) In charge of Mentorship Program
2. Department Head of Statistics (Sept. 1997 to May 30, 2011)
   (a) In charge of the budget preparation and planning
   (b) In charge of Development of Interdisciplinary research program with other departments and UConn Health Science Center
   (c) Development of Statistical Consulting Service
   (d) Fund raising through Alumni
   (e) Development of Corporate partnership with Pfizer and Travelers
   (f) Development of the annual news letter in the department
   (g) Expansion of the Department in terms of faculty and graduate students
   (h) Started a Library in the Department
   (i) Published the History of the Department.
3. Executive committee member of Tech Park
   (a) Duties included planning, naming and designing the new Tech Park at UConn.
   (b) Involving faculty from CLAS to develop partnership with industry
4. Mock Panel for IGERT proposal
   (a) Produced written review and arranged meeting with the PIs which leaded to successful funding of the first IGERT grant at UConn.
5. Panel report for NSF PIRE grant.
6. Arranged a Professional development work shop for junior faculty on "How to stay in track"?

7. Arranged a Workshop on NSF funding opportunities as a part of the professional faculty development: UITS evaluation meetings
8. Heads Search Committee for the Departments of Mathematics, Physics, Geography and interviewing candidates for various other searches.
9. Represented CLAS for HUSKY DM
10. Arranged a Workshop on faculty initiatives for Tech Park, industry academic partnership of CLAS faculty.
11. Represented CLAS in the Innovation Quest meetings
12. Presentation on career opportunities for graduate students at the first graduate Student Senate meeting.
13. Represented CLAS for OATS replacement committee.
14. Attended all the executive committee meetings of CESE, CHIP and CPHHP.
15. Helped search committees for selection of Dodd Center director, VP for International Affairs and VP for Diversity.
16. Created/ distributed matching funds for several faculties in various departments within Physical Science.
17. Attended meeting at the Graduate School for Hobson Product for managing graduate admissions, and graduate records.
18. Review panel member of NSF CAREER grants.

In the Department of Statistics, University of Connecticut

1. Chair, Graduate Admission Committee 1990 - 1993.
2. Chair, Colloquium Committee 1987 - 1991.
3. Chair, Search Committee 1988 1989, 1992-1995.
4. Chair, Promotion and Tenure Committee 1995-1996.
5. Member, Graduate Examination Committee 1989 - 1997.
6. Member, Department Planning Committee 1987 1988.
7. Member, Course and Curriculum Committee of the College of Liberal Arts and Sciences 1988 1990.
8. Member, New England Statistics Symposium Committee 1986 - 2006.
9. Member, Promotion and Tenure Committee 1987 – 1997.
10. Member, Course and Curriculum Committee 1986 1987.
11. Member, Pfizer Colloquium Committee, 1990 - present.
12. Member, Committee on Committees of the College of Liberal Arts and Sciences, 1994-1995.
13. Member, Computer Committee, 1995 - 1997.
14. Member, Graduate Faculty Council, 1995-1996.
15. Member, Dean's Advisory Committee of the College of Liberal Arts and Sciences, 1995-1997.
16. Member, Search Committee for Associate Dean, College of Liberal Arts and Science.
17. Member, Committee on Public Health Initiative, 2002-.
18. Member, Synergy Committee for the School of Public Health between UConn and UConn Health Science Center, 2003-.

19. Member, Search Committee for Director, Institute for Social Inquiry/Roper Center.
20. Co-chair, Biostatistics Task Force Committee, Center for Public Health and Health Policy.
21. Member Search Committee, Assessment coordinator, Neag School of Education.
22. Member, Core Research Group of the Center for Health Communication and Marketing.
23. Member, Advisory Committee of the Center for Environmental Sciences and Engineering.
24. Chair Pfizer/ASA/UCONN colloquium committee, 2018-
25. Member, Dean's Advisory Council of the College of Liberal Arts and Sciences, 2022-2024.
26. Chair, Search Committee for Department Head, Statistics.

At the University of Connecticut

1. Fellow, Center for Internet Data and Research Intelligence Services (CIDRIS).
2. Fellow, Teachers for New Era (TNE), NEAG School of Education.
3. Fellow, Institute for Public Health Research.
4. Member, Selection committee for the Board of Trustees Distinguished Professor, 2010-2013.
5. Member Search Committee for the Director of Biotechnology-Bio-services Center, 2011.
6. Chair, Search committee for the Head of the Department of Mathematics.
7. Member Research Advisory Council.
8. Member UTC Professorship selection committee, School of Engineering.
9. Elected member of the UCONN senate.
10. Member, Research Dean Council.
11. REP Review Committee Co-chair, Office of Vice Provost for Academic Research
12. Affiliate, UTC Institute for Advanced Systems Engineering
13. Affiliate, In-CHIP.
14. Faculty Adviser of Tarang, South East Asian Graduate Student Association, UCONN, 2018-2020.
15. Member, Board of Trustees Distinguished Professor selection committee, 2024-2026.

ACADEMIC EXPERIENCE

1. Taught undergraduate Mathematics and Statistics courses at Purdue University.
2. Taught Applied and Mathematical Statistics courses at the University of Kentucky.
3. Taught undergraduate and graduate level courses in Statistics and Mathematics at Texas Tech University.
4. Taught a course on "Current Trends in Bayesian Statistics" at the University of British Columbia.
5. Taught various graduate and undergraduate courses in the Department of Statistics at University of Connecticut .

6. Currently teaching and advising graduate students in Statistics and continuing an active research program.

PROFESSIONAL AFFILIATIONS

Member of the, American Statistical Association, Institute of Mathematical Statistics, American Association of the Advancement of Sciences, International Biometrics Society (ENAR), The International Statistical Institute, The Bernoulli Society for Mathematical Statistics and Probability, International Society for Bayesian Analysis, International Indian Statistical Association, International Chinese Statistical Association, Calcutta Statistical Association, New York Academy of Sciences and Connecticut Chapter of the American Statistical Association and Visiting Faculty, National Institute of Standards and Technology. National Cancer Institute, Connecticut Academy of Arts and Sciences.

EDITORIAL ACTIVITIES

1. Editor, Institute of Mathematical Statistics Bulletin, January 1998 - December 2001.
2. Associate Editor, Journal of the American Statistical Association (Theory and Methods Section), January 1997 - December 1999.
3. Co-editor, "Sankhya", The Indian Journal of Statistics, 1998.
4. Associate Editor, Journal of Statistical Planning and Inference.
5. Guest Editor of "Sankhya" (Special Issues on Bayesian Statistics).
6. International Editorial Board Member of "Parisankhyan Samikkha".
7. Co-editor, Journal of Statistical Planning and Inference, Volume 129, Issues 1-2 February 2005, ISSN 0378-3758. IISA Conference Special Issue.
8. Co-editor, Statistical Methodology: Special issue on Spatial Statistics.
9. Editor-in-chief Sankhya, the Indian Journal of Statistics. 2016-2024.
10. Guest Editor, New England Journal of Data Science, 2021-2023.

PROFESSIONAL ACTIVITIES

1. Program Committee, Joint Statistical Meetings, Dallas, Texas, 1998,
2. Summer Research Conference Committee, American Mathematical Society,
3. Referee for the American Statistician, Annals of Statistics, Annals of the Institute of Statistical Mathematics, Biometrika, Biometrics, Canadian Journal of Statistics, Communications in Statistics, IEEE Transactions on Reliability, Test, Journal of Computational and Graphical Statistics, Journal of the American Statistical Association, Journal of Multivariate Analysis, Journal of Statistical Planning and Inference, Nature Communications, Naval Research Logistics, Psychometrika, Sankhya, Scandinavian Journal of Statistics, Sequential Analysis, South African Journal of Statistics, Statistics & Decisions, Statistics & Probability Letters, Computational Statistics & Data Analysis.
4. Reviewer of Mathematical Reviews, NSF, AFOSR, Research Grant Council of Hong Kong, National Science and Technology Foundation of Chile, NSERC (Canada), Science Foundation of Ireland and Estonian National Science Foundation. Co-chair, Assessment for Teachers for New Era, Neag School of Education, University of Connecticut.
5. Program Reviewer, Department of Mathematical Sciences, University of Vermont. Chair, International organizing committee, WVBTA and ISBA Regional Meeting, India.
6. Member, First Latin American Bayesian Symposium, San Jose, Costa Rica.

7. Mentor, NSF CHE/DMS Innovation Lab: Learning the Power of Data in Chemistry.
8. Member, Founders Award Committee of the American Statistical Association, 2020.
9. Chair, International Advisory Committee,International Workshop on "Bayesian Frontiers: Unveiling the Future of Statistical Modeling and Inference", (2025)

CONSULTING ACTIVITIES

1. Sonalysts, Inc, Waterford, CT: Various projects involving high dimensional data mining and data streaming for DOD grant; Sonar data analysis of beaked whales under DOD grant.
2. Pitney Bowes, Shelton, CT: Consulting relating to mail response.
3. Charter Oak, CT: Nonresponse and missing data modeling from opinion survey, funded by OMB.
4. Inter Health, CA: Clinical trial design and Biostatistical data analysis of osteoarthritis and weight loss drugs based on natural products.

SITE VISITS/ INTERNATIONAL GRANT EVALUATION

1. Department of Mathematical Sciences, University of Vermont, Burlington, VT
2. Department of Computer Science and Statistics, Trinity College Dublin, Science Foundation of Ireland.
3. Hong Kong Research Grant Council.
4. Kuwait Research Foundation.
5. Estonian Research Foundation.
6. Department of Statistics, Florida State University, Tallahassee, FL.
7. Department of Mathematics, Indiana University Purdue University, Indianapolis, IN.
8. Department of Mathematics and Statistics, University of New Hampshire, Durham. NH.
9. Department of Mathematics and Statistics, University of Cincinnati, Cincinnati, OH.

GRANTS RECEIVED

1. National Security Agency 1986 87: Maximum Likelihood Estimation for Compound Multinomial and Negative Multinomial Distributions. Contract No. MDA 904 87 H2001.
2. Air Force Office of Scientific Research 1989: Fixed Sample and Sequential Problems with Applications in Reliability. Contract No. AFOSR 89 0225.
3. National Science Foundation Equipment Grant, 1989, Contract No. DMS-8905633.
4. U.S. Department of Health and Human Services, National Institute of Mental Health. Contract No. SM46279-05. (with C. Harmon).
5. National Science Foundation Conference Board on Mathematical Statistics, 1994 (with A.E. Gelfand). Contract No. DMS-9312931.
6. National Science Foundation, SCREMS,1995. Contract No. DMS-9506557.
7. Institute of Mathematical Statistics, 1998-2001, editorship.
8. National Science Foundation, SCREMS. Contract No. DMS 9872013.
9. Patrick and Catherine Weldon Donaghue Medical Research Foundation, through the University of Connecticut Health Center, 1995-1997.

10. National Institute of Health, Organizations, Work Environment and Quality of Care, 2001-2004 (Co-PI with N. Warren, UCHC). $ 1,428,736.
11. International Workshop on "Current Trends in Bayesian Statistics", Institute of Mathematical Statistics, 2003-2004. $5,000.
12. National Institute of Health, Semiparametric Bayesian Survival Analysis, 2002 - 2004 (Co-PI with D. Sinha, Medical University of South Carolina). UConn portion $35,565.
13. National Institute of Health, Soluble Epoxide Hydrolase Polymorphisms, 2003 - 2007 (Co-PI with D. Grant, School of Pharmacy, UConn). $ 1,419,250.
14. U.S. Department of Defense, Storage Efficient Data Mining for High-Speed Data Streams, 2003 - 2006. STTR grant with Sonalysts Inc. UConn portion $ 255,000.
15. Center for Public Health Health Policy, University of Connecticut (with E. Storey and A. Ferris). $ 400,000.
16. National Institute of Health, Bayesian Methods for Analysis of Genetic Diversity (Co-PI with K. Holsinger, EEB), 2004-2008. $ 471,000.
17. 2004 Provost's Grant Competition, University of Connecticut. Center for Internet Data and Research Intelligence Services (CIDRIS), (Co-PI with P.Goes, School of Business). $ 400,000.
18. Faculty Large Grant Competition, Office of the Vice Provost for Research and Graduate Education, University of Connecticut, 2005, $13,000.
19. Faculty Research Grant, Center for Environmental Science and Engineering, University of Connecticut, 2009, $10,000.
20. National Institute of Health, Protein Micro array System for Rheumatoid Arthritis, 2010-2012. (Co-PI with M. Lynes, Molecular and Cell Biology), $1,161,122.
21. National Institute of Health, Biosensor Arrays, Protein Biosensor Arrays based on Nanomaterials, 2011-2015. (Co-PI with James Rusling, Chemistry).
22. Cigna Health Care, Bloomfield, CT. Training grant $150,000 per year, started in Jan.1, 2013. Supporting 6 graduate students.
23. Modeling and Analysis of Large Insurance Claim and Occurrence Data: A Partnership Between UConn and Travelers. August 28, 2016- current. $1017,826.

GRADUATE STUDENT SUPERVISION

1. Lloyd Jaising (at Texas Tech University) (Ph.D., July 1985). A Flexible Bathtub Hazard Model for Non-repairable Systems. Professor Morehead State University, Morehead, Kentucky.(Co-advisor with W. Kolarik).
2. Pei San Liu (Ph.D., August 1989). Estimation of Parameters and Reliability in Generalized Life Model. Professor, Fu Jen Catholic University, Taipei, Taiwan, R.O.C.
3. Younshik Chung (Ph.D., August 1990). On estimation of parameters from compound power series distributions. Professor and Associate Dean, Pusan National University, Busan, Korea.
4. Fengchun Peng (Ph.D., December 1993). On the use of information and divergence measures in Bayesian analysis. Senior Manager, Credit marketing and risk management group, Sears and Roebuck and Company, Chicago.
5. Lea Birmiwal (Ph.D., May 1994). Bayesian robustness measures under different classes of priors. Manager, Birmiwal Investment Trust, Washington.

6. Hong Chang (Ph.D., August 1995). Model determination using predictive distributions. Statistician, Coopers and Lybrand, Boston and Assistant Professor Tufts Medical School..
7. Daniel T. Larose (Ph.D., August 1996). Bayesian Approaches to Meta-Analysis Using Weighted Distributions and Grouped Random Effects Models. Professor and Director of Data Mining, Central Connecticut State University.
8. Kuo-ren Lou (Ph.D., August 1996). Some Aspects of Bayesian Robustness. Associate Professor, Tamkang University, Tamsui, Taiwan, R.O.C.
9. Malini Iyengar (Ph.D., December 1997). Bayesian Analysis of Compositional Data. Clinical Biostatistician, Smith Klein and Beecham, Collegeville, Pennsylvania.
10. Murali Niverthi (Ph.D., May 1998). Bayesian Methods in Quality Control and Software Reliability. Lincoln Financial Group, Fort Wayne, Indiana.
11. Kaushik Patra (Ph.D.,August 2000). Innnovative Approaches to Reliability and Survival Analysis. Science Associate Director at MedImmune Washington, DC.
12. Athanasios Micheas (Ph.D., August 2001). Statistical Modeling and Geometry of Shapes. Associate Professor, University of Missouri, Columbia, Missouri.
13. Amitabha Bhaumik (Ph.D., August 2003). Dynamic Hierarchical Models with Application. Manager, Biostatistics at Sanofi Pasteur, Allentown, Pennsylvania..
14. Junfeng Liu (Ph.D., December 2003). On Skew-Elliptical Distribution with Novel Applications. Post doctoral fellow, Yale University, Currently Full Professor, Shangdon University, Yantai, China.
15. Rongwei Fu (Ph.D., December 2003). Probabilistic Structure and Statistical Inference for Non explicit Population Models and Allele Frequency. Full Professor, Oregon Health and Science University, Portland, Oregon.
16. Seongho Song (Ph.D., August 2005). Hierarchical Bayesian Analysis of Genetic Diversity in Geographically Structured Populations. Full Professor, University of Cincinnati.
17. Samiran Ghosh (Ph.D., August 2006). Clustering, Classification and Function Estimation for High Dimensional Data Arising from Bioinformatics and Related Domains. Assistant Professor, of Bio-Statistics at Weill Cornell Medical College, NY. Currently Associate Professor at the Department of Bio Statistics at Wayne State University School of Medicine, Detroit, MI.
18. Ulysses Diva (Ph.D., August 2006). Novel Approaches in Modeling Spatially Correlated Multivariate Data. Bristol Myers Squibb, Wallingford, CT.
19. Feng Guo (Ph. D., August 2007). Modeling Genetic Data using Bayesian Hierarchical Models. Full Professor, Department of Statistics, Virginia Tech, Blacksburg, VA.
20. Sourish Das (Ph. D., June 2008). Generalized Linear Model and Beyond: An Innovative Approach from Bayesian Perspective. Visiting Assistant Professor, Department of Statistical Sciences, Duke University, Durham, NC. Currently Associate Professor, Chennai Mathematical Institute, Chennai, India.
21. Xia Wang (Ph.D., May 2009). General Classes of Skewed Link Functions for Categorical Response Data. Associate Professor, University of Cincinnati.
22. Elijah Gaioni (Ph.D. July 2009). Semiparametric Functional Estimation and Extreme Value Modeling Using Mixture Distributions and Limited Quantile Information. Post-doc at IBM T. J. Watson Research Center, New York, currently at American Express, New York, NY.

23. Sylvie Tchumtchoua (Ph.D. July 2010). Bayesian Semiparametric Models for Discrete Longitudinal Data. Post doctoral fellow, SAMSI, Research Triangle Park, NC.
24. Sandra Hurtado (Ph. D. May 2011). A New Class of Bayesian Survival Models and Beyond. Associate Professor, Cleveland State University, Cleveland, OH.
25. Marcos Prates (Ph.D. May 2011). Link Specification and Spatial Dependence for Generalized Linear Mixed Models. (Co-advisor with J. Yan). Associate Professor, Federal University of Minas Gerais, Bello Horizonte, Brazil.
26. Ran Liu (Ph.D. August 2012). Clustering, classification and Segmentation, of 3-dimensional images. Biostatistician, Merck Pharmaceuticals, NJ.
27. Karthik Bharath (Ph. D. August 2012). Asymptotics of Clustering Criteria for Smooth Distributions. (Co-advisor with V. Pozdnyakov). Full Professor, University of Nottingham, UK.
28. Wenqing Li (Ph.D. October 2012). Bayesian Design of Non- Inferiority Clinical Trials. (Co-advisor with M.-H. Chen).
29. Xunjing (Tony) Jiang (Ph.D. June 2013). Hierarchical Bayesian Modeling and Analysis of Ecological and Evolutionary Biological Data. Biostatistician, Amgen Corporation, Thousand Oaks, CA.
30. Gyuhyeong Goh (Ph.D. August 2015). Model Selection and Diagnostics using Bregman Divergence. Associate Professor, Kansas State University, Manhattan, KS.
31. Chantal Larose (Ph. D. August 2015). Clustering and Classification under Missing Data Mechanisms. (Co-advisor with O. Harel). Associate Professor, Eastern Connecticut State University, Willimantic, CT.
32. Guang Ouyang (Ph.D. August 2015). Bayesian Social Network. Google, Mountain View, CA.
33. Abhisek Saha (Ph.D. August 2016). Bayesian Analysis of Item Response Theory and Its Applications to Longitudinal Education Data. Post-doctoral Fellow, NICHD, Bethesda. MD.(Co-advisor with X. Wang).
34. Dooti Roy (Ph.D. May 2017). Univariate and multivariate survival models with flexible hazard functions. Principal Methodology Statistician at Boehringer Ingelheim, Ridgefield, CT.
35. Ved Deshpande (Ph.D. 2017). Statistical Methods for Analyzing Bivariate Mixed Outcomes. (Co-advisor with E. Schiaffano). Machine Learning Engineer at Spotify, New York.
36. Aditya Mishra (Ph.D. 2017).On Sequential Estimation of Multivariate Associations. (Co-advisor with K. Chen). Flatiron Research Fellow, Numerical Analysis, CCM, Flatiron Institute, New York.
37. Chongliang Luo (Ph.D. July,2017). On Integrative Reduced-Rank Models and Applications. Post-doctoral Fellow, University of Pennsylvania, Philadelphia, PA. (Co-advisor with K. Chen).
38. Abhishek Bishoyi (Ph.D. July,2017). Application of Gaussian Process Priors on Bayesian Regression. (Co-advisor with X. Wang). Senior Quantitative Analyst. Nationwide Insurance, Columbus, OH.
39. Shariq Mohammed (Ph.D. August,2018). Bayesian Variable Selection with Applications to Neuroimaging Data. Post-doctoral Fellow,Department of Bioinformatics, University of Michigan, Ann Arbor, MI. Currently Assistant Professor, School of Public Health, Boston University. (Co-advisor with Y. Zhang).

40. Tairan Ye (Ph.D. August, 2019). On Generalization of Tweedie Distribution: a Bayesian Perspective. Senior Analyst II, Data Science at Liberty Mutual Insurance.
41. Aritra Halder (Ph.D.May, 2020). Wombling for Spatial and Spatiotemporal Processes. Assistant Professor, Social Science Data Analytics Division, Biocomplexity Institute, University of Virginia, Arlington, VA.
42. Shuang Yin (Ph.D.July, 2020).Bayesian Analysis for Imbalanced Data sets. Senior Actuary, Transamerica Corporation. (Co-adviser with E. Valdez).
43. Ziqi Yang (Ph.D. July, 2021). On Some Aspects of Network Clustering Methods, Alibaba Group, Hangzhou, China.
44. Jiyeon Song (Ph.D. July, 2021). Bayesian Variable Selection Using Gaussian and Diffused gamma Prior. (Co-adviser with Elizabeth Schiffano). Post-doctoral Fellow, Department of Biostatistics, University of Michigan.
45. Xiaomeng Li(Ph.D. July, 2021).Flexible Bayesian Modeling for Count Data. Ernst and Young, Statistical Consultant.
46. Zhiyong Hu (Ph.D. July, 2022). Application of Gaussian Process Priors on Bayesian Modeling. Microsoft Corporation, Cambridge, MA.
47. Lubing Wang (Ph.D. July, 2022). Interaction Selection and Evaluation for Tweedie's Compound Poisson Distribution. Traveler's Corporation, Hartford, CT.(Co-adviser with Y. Gu).
48. Jiwon Park (Ph.D. July, 2023). Statistical Methodologies for Modeling Skew-Shape Distributions in Censored Regression. Post-doctoral Fellow, Department of Biostatistics, Johns Hopkins University, Baltimore, MD. (Co-adviser with V. H. Lachos).
49. Zijian Huang (Ph.D. July, 2023). Distributed Analysis and Nonparametric Modeling of Semicontinuous Data. Data Scientist, Wells Fargo Bank, Charlotte. NC. (Co-adviser with Y. Gu).
50. Yuhao Li (Ph.D. July, 2024). On the Use of Latent Gaussian Processes for Binary Longitudinal Data. (Co-adviser with X. Wang). Scientist, U.S. Food and Drug Administration, Silver Spring, Maryland.
51. Garrett Frady (Ph.D. July, 2024). Some Approaches to Feature Extraction Applied to Sparse High Dimensional Spatiotemporal Data. Scientist, U.S. Food and Drug Administration, Silver Spring, Maryland.
52. Brisilda Ndreka (Ph.D. July, 2024). A Bayesian Framework for Social Network Analysis and Associated Models. (Co-adviser with V.H. Lachos).
53. Chaeyeon Yoo (Ph.D. May, 2026).
54. Jongwoo Choi (Ph.D. 2026, expected).
55. Alokesh Manna (Ph.D. 2026, expected).
56. Aditya Vikram Sett (Ph.D. 2027, expected).
57. Sana Gupta (Ph.D. 2028, expected).
58. Riyanka Bhowal (Ph.D. 2028, expected). (Co-adviser with Ying Zhu).
59. So Eun Kim (Ph.D. 2029, expected). (Co-advisor with Mary Lai Salvana).

VISITING GRADUATE STUDENT SUPERVISION

1. Rafael Farias, University of Sao Paulo, Brazil.
2. Fabio DeMarqui, Federal University of Minas Gerias, Belo Horizonte, Brazil.
3. Yiqi Bao, University of Sao Paulo,Sao Carlos, Brazil.
4. José Augusto Fiorucci, University of Sao Paulo, Sao Carlos, Brazil.
5. Zaida Quiroz Cornejo, Federal University of Minas Gerais, Bello Horizonte, Brazil.
6. Pedro Ramos, University of Sao Paulo, Sao Carlos, Brazil.

POST DOCTORAL SUPERVISION

1. Marcia delia Branco, Ph.D. University of Sao Paulo, Brazil.
2. Chansoo Kim, Ph.D. Pusan National University, Korea.
3. Sung-Duk Kim, Ph.D. Pusan National University, Korea.
4. Jayanta K. Pal, Ph.D. University of Michigan, at SAMSI.
5. Juan Carlos Vivar, Ph.D. Federal University of Rio de Janeiro, Brazil.
6. Jinhyuk Jung, Ph.D. Pusan National University, Korea.
7. Victor Hugo Lachos Davilla, Ph.D. University of Sao Paulo, Brazil.
8. Carlos Antonio Abanto Valle, Ph.D. Federal University of Rio de Janeiro, Brazil.
9. Vicente Cancho Gariby, Ph. D. University of Sao Paulo, Brazil.
10. Gladys Barriga, Ph.D. University of Sao Paulo, Brazil.
11. Lourdes Coral Contreras Montenegro, Ph. D. Federal University of Minas Gerias, Belo Horzonte, Brazil.
12. Jorge Luis Bazan Guzman,University of Sao Paulo, Sao Carlos, Brazil.

COMMITTEE SERVICE National or International

1. Representative of the Section of Bayesian Statistics to the American Statistical Association, 2002-2004.
2. Representative of the Institute of Mathematical Statistics to the American Mathematical Society, 1998-2000.
3. Organizing committee member on the International Conference jointly sponsored by Bernoulli Society and Indian Statistical Institute, 1997-1998.
4. Member, Nominating Committee of the Institute of the Mathematical Statistics, 1997-1998.
5. Member, Publication Committee of the Institute of Mathematical Statistics, 1997- 2001.
6. Member, Program Committee, Joint Statistical Meetings, 1997-1998.
7. Member, Memorial Committee of the Institute of Mathematical Statistics, 1998 - 2000.
8. Member, Organizing Committee, International Society for Bayesian Statistics meeting at Vina del Mar, Chile, 2004.
9. Member, Committee on Selection of Editors of the Institute of Mathematical Statistics, 2003 - 2005. Chair during 2005.
10. Member, Archive and Historical Committee, American Statistical Association, 2003 - 2009.
11. Chair, Advisory Committee, International Conference on Bayesian Statistics and its Applications, Varanasi, India, January 2005.
12. Co-Chair, Organizing Committee, International Conference on the Future in Statistical Theory, Practice and Education, Hyderabad, India, December 2004.

13. Member, International Advisory Committee, International Conference on Statistics, Combinatorics and Related Areas, 2003.
14. Member NIH research panel on "Modeling and Applications in Biological Systems", 2004.
15. Member NIH research panel on "Clinical Proteomics", 2005.
16. Member NIH research panel on "Bioinformatics", 2005.
17. Member, Savage Award committee, International Society of Bayesian Analysis, 2005-2006.
18. Member, Fellow Selection Committee, Institute of Mathematical Statistics, 2007-2009.
19. Member, Accreditation Implementation Committee of the American Statistical Association, 2010-2016.
20. COPSS Presidents' Award Committee, 2010-2013.
21. Member, SBSS constitution committee, 2010.
22. Chair, Advisory Committee, International Conference on Bayesian Statistics and its Applications, Varanasi, India, January 2013.
23. International Advisory Board member of the first Latin American summer school in Bayesian Statistics, sponsored by ISBA, at University of Costa Rica, July 2013.
24. Advisory Committee Member, YSM in Indian Statistical Institute, 2018-.
25. Member, Founders Award Selection Committee, American Statistical Association, 2019-2021.
26. Chair, ASA/Pfizer/UConn Distinguished Statistician's selection committee.
27. Member, Board of Trustees Distinguished Professor Selection Committee at UConn, 2024-2026.
28. Member DeGroot Prize Committee of ISBA, 2025-

COURSES TAUGHT AT UNIVERSITY OF CONNECTICUT

1. Descriptive Statistics
2. Applied Regression Analysis
3. Design of Experiments
4. Statistical Methods
5. Intermediate Probability Theory
6. Statistical Decision Theory
7. Multivariate Analysis
8. Reliability and Statistical Quality Control
9. Theory of Estimation
10. Statistical Inference
11. Biostatistics
12. Bayes Theory
13. Longitudinal Data Analysis
14. Linear Models I
15. Linear Models II
16. Bayesian Data Analysis

INVITED COLLOQUIUM / PAPERS

1. Department of Statistics, University of Kentucky, Lexington, February, 1980.
2. Department of Statistics, State University of New York, Buffalo, January1981.
3. Department of Statistics, University of California, Riverside, February 1981.
4. Department of Mathematics, Texas Tech University, Lubbock, March 1982.
5. Conference for Texas Statisticians, Baylor University, Waco, Texas, April 1984.
6. Indian Statistical Institute, Calcutta, India, July 1984, October 1991, November 1991.
7. Department of Statistics, Harvard University, October 1985.
8. Department of Mathematics and Statistics, University of Massachusetts, November 1985, October 1990, November 1994.
9. Southern Regional Educational Board, Committee on Statistics, Boone, North Carolina, June 1985.
10. IMS Regional Meeting, West Lafayette, Indiana, June 1986.
11. Department of Mathematics, Worcester Polytechnic Institute, December 1987, October 1993.
12. Department of Mathematics, University of Maryland at Baltimore County, December 1988.
13. R.C. Bose Symposium on Probability, Statistics and Design of Experiment, New Delhi, India, December 1988.
14. International Conference on recent developments in Statistical data analysis and inference, University of Neuchatel, Switzerland, August 1989.
15. NBER-NSF Seminar on Bayesian Inference in Econometrics and Statistics, University of Chicago, October 1989.
16. Department of Mathematics, University of Maine, March 1990.
17. Brazil-U.S. Workshop on Bayesian Statistics and Econometrics, Rio de Janeiro, Brazil, July 1990.
18. Recent Developments in Probability and Statistics, Conference in memory of C.G. Khatri, New Delhi, India, December 1990.
19. Department of Mathematics, Boston University, March 1991.
20. Statistical Research Division, Bureau of the Census, Washington D.C., July 1991.
21. Institute of Statistics & Decision Sciences, Duke University, Durham, North Carolina, July 1991.
22. School of Economic and Financial Studies, Macquire University, Sydney, Australia, September 1991.
23. Central University, Chungli, Taiwan, R.O.C., December 1991.
24. Fujen Catholic University, Hsinchuang, Taiwan, R.O.C., December 1991.
25. Chung San University, Kaohsiung, Taiwan, R.O.C., December 1991.
26. Cheng Kung University, Tainan, Taiwan, R.O.C., December 1991.
27. Tamkang University, Tamsui, Taiwan, R.O.C., December 1991.
28. Tsing Huwa University, Hsinchu, Taiwan, R.O.C., December 1991.
29. Chengchi University, Taipei, Taiwan, R.O.C., December 1991.
30. Academic Sinica, Taipei, Taiwan, R.O.C., December 1991.
31. Department of Mathematics, Cornell University, March 1992.

32. International Conference on Bayesian Robustness. CNR IAMI, Milano, Italy, May 1992.
33. Fifth Purdue Symposium on Statistical Decision Theory and Related Topics. West Lafayette, Indiana, June 1992.
34. Department of Mathematics, Bucknell University, Lewisburg, Pennsylvania, November 1992.
35. First Multinational Riverboat Conference on Bayesian Econometrics and Statistics, Basel-Amsterdam, April-May, 1993.
36. Joint Statistical Meetings, San Francisco, August 1993.
37. Department of Statistics, Rutgers University, September 1993.
38. Fifth International Meeting on Bayesian Statistics, Alicante, Spain, June 1994.
39. Second International Society of Bayesian Analysis meeting, Toronto, Canada, August 1994.
40. Department de Mathematiques et de Statistique, Universite de Montreal, December 1994.
41. Second International Workshop on Bayesian Robustness, Rimini, Italy, May 1995.
42. Department of Pure Mathematics and Mathematical Statistics, University of Cambridge, U.K., May 1995.
43. Fourth Conference on Model Oriented Data Analysis, Spetses, Greece, June 1995.
44. Department of Mathematics, Imperial College, London, U.K., June 1995.
45. Statistics and Mathematics Unit, Indian Statistical Institute, Calcutta, India, July 1995.
46. Joint Statistical Meeting at Orlando, Florida, August 1995.
47. Third International Society of Bayesian Analysis Meeting, Oaxaca, Mexico, September 1995.
48. Department of Statistics, University of Florida, Gainesville, October 1995.
49. Center for Statistical Sciences, Brown University, Providence, November 1995.
50. Second Workshop on Intrinsic Bayes Factor, Universidad Simon Bolivar, Caracas, Venezuela, November 1995.
51. Department of Mathematics, Northern Illinois University, DeKalb, December 1995.
52. Workshop on Default Bayesian Statistical Methodology, Purdue University, West Lafayette, Indiana, November 1996.
53. Department of Biostatistics, Harvard University, March 1997.
54. Department of Statistics, North Carolina State University, April 1997.
55. Institute of Statistics and Decision Sciences, Duke University, April 1997.
56. Inter American Statistical Institute, University of Costa Rica, San Jose, Costa Rica, May 1997.
57. Department of Mathematics & Statistics, Utah State University, Logan, Utah, July 1997.
58. Joint Statistical Meetings, Biometrics Section, Anaheim, California, August 1997.
59. Joint Statistical Meetings, Section on Bayesian Statistics, Anaheim, California, August 1997.
60. Department of Mathematics, University of Nebraska, Lincoln, October 1997.

61. INFORMS Meeting at Dallas, Texas, October 1997.
62. Third International Triennial Calcutta Symposium, University of Calcutta, December 1997.
63. Department of Mathematical Sciences, University of Cincinnati, May 1998.
64. Sixth Valencia Conference on Bayesian Statistics, Alcosebre, Spain, May 1998.
65. Sixth Purdue Symposium on Statistical Decision Theory, West Lafayette, Indiana, June 1998.
66. Thirteenth Brazilian Symposium of Probability and Statistics, Caxambu, Brazil, July 1998.
67. Departamento de Estatistica, Universidade de São Paulo, Brazil, July 1998.
68. Departamento de Mathematica, Universidade de São Carlos, Brazil, July 1998.
69. Joint Statistical Meetings, Section on Bayesian Statistics, Dallas, Texas, August 1998.
70. Department of Mathematical Sciences, New Jersey Institute of Technology, September 1998.
71. International Indian Statistical Association Conference, McMaster University, Hamilton, Ontario, October 1998.
72. Department of Statistics, University of Georgia, Athens, November 1998.
73. The International Biometric Society (ENAR) Meeting, Atlanta, Georgia, March 1999.
74. Department of Mathematics, Boston University, April 1999.
75. Department of Statistics, Texas A&M University, May 1999.
76. Fourth Chilean workshop on Bayesian Statistics, Santiago, Chile, January 2000.
77. Keynote Speaker, Fourteenth New England Statistics Symposium, Brown University, April 2000.
78. American Mathematical Society's Summer Research Conference, Mount Holyoke College, June 2000.
79. Joint Statistical Meetings, Section on Bio Pharmaceutical Statistics, Indianapolis, Indiana, August 2000.
80. Department of Biometry, Medical University of South Carolina, Charleston, South Carolina, August 2000.
81. Department of Statistics, University of Missouri, Columbia, Missouri, November 2000.
82. Department of Mathematics and Statistics, University of Southampton, UK, December 2000.
83. Department of Statistics, University of Leeds, UK, December 2000.
84. Fourth International Triennial Calcutta Symposium, University of Calcutta, December 2000.
85. International Indian Statistical Association Meeting, New Delhi, January 2001.
86. Department of Statistics, Ohio State University, Columbus, Ohio, April 2001.
87. Department of Mathematics, University of Louisiana, Lafayette, Louisiana, April 2001.
88. Keynote Speaker, Louisiana Chapter of the American Statistical Association, New Orleans, Louisiana, April 2001.
89. Department of Statistics, Pusan National University, Pusan, Korea, July 2001.

90. Department of Statistics, Seoul National University, Seoul, Korea, July 2001.
91. Department of Statistics, University of British Columbia, Vancouver, September 2001.
92. Department of Statistics, Simon Fraser University, Burnaby, October 2001.
93. Department of Statistics, Pennsylvania State University, November 2001.
94. Department of Statistics, Calcutta University, at the Diamond Jubilee Celebration, January 2002.
95. Hawaii International Conference, Honolulu, Hawaii, June 2002.
96. Conference on Statistics, Probability and Related Areas, Northern Illinois University, De Kalb, Illinois, June 2002.
97. Department of Statistics, University of São Paulo, Brazil, July 2002.
98. Special Invited paper at the 15th Brazilian Statistical Society Meeting at Aguas de Lindoya, São Paulo, Brazil, August 2002.
99. Joint Statistical Meeting, New York, August 2002.
100. Department of Statistics, Iowa State University, Ames, Iowa, October 2002.
101. Fifth Latin American Statistical Association Meeting, Buenos Aires, Argentina, November 2002.
102. International Conference on Ranking and Selection, Multiple Comparisons, Reliability and Their Applications, Chennai, India, December 2002.
103. International Conference: Statistics in Industry and Business, Cochin, India, January 2003.
104. Current Trends in Bayesian Statistics, Indian Statistical Institute, Kolkata, India, January 2003.
105. Statistical Society of Montreál, Montreál, Canada, March 2003.
106. Department of Statistics, Penn State University, State College, April 2003.
107. Seventh Purdue Symposium, Purdue University, West Lafayette, Indiana, June 2003.
108. 7th Latin American Congress on Bayesian Statistics, Universidade Federal de São Carlos, São Paulo, Brazil, July, 2003.
109. Department of Statistics, Case Western Reserve University, Cleveland, Ohio, November 2003.
110. International Workshop on Applied Probability, University of Pireus, Greece, March 2004.
111. International Society of Bayesian Analysis, Vin'a del Mar, Chile, May, 2004.
112. International Indian Statistical Association meeting, University of Georgia, Athens, Georgia, June 2004.
113. Joint Statistical Meetings, Toronto, Canada, August 2004.
114. Department of Mathematics and Statistics, University of Windsor, Canada, November, 2004.
115. International Conference on the Future in Statistical Theory, Practice and Education, Hyderabad, India, December 2004.
116. International Conference on Bayesian Statistics and its Applications, Varanasi, India, January 2005.
117. Second Latin American Congress on Bayesian Statistics, San Jose del Cabo, Mexico, February, 2005.

118. Frontiers in Applied and Computational Mathematics, '05, Department of Mathematical Sciences, New Jersey Institute of Technology, Newark, NJ, May 2005.
119. Workshop on Recent Advances in Modeling Spatio-temporal Data, Southampton Statistical Science Research Institute, University of Southampton, UK, May 2005.
120. Fifth International Conference on Objective Bayesian Statistics, Branson, MO, June 2005.
121. Department of Mathematics, Shanghai Jiao Tong University, Shanghai, China, July, 2005.
122. The Joint Meeting of the Chinese Society of Probability and Statistics and the Institute of Mathematical Statistics, Beijing, China, July 2005.
123. The Joint Statistical Meetings, Minneapolis, MN, August 2005.
124. Department of Biostatistics & Computational Biology, University of Rochester Medical School, Rochester, NY, September 2005.
125. Fifth Annual Red Raider Mini-Symposium on "Geometry, Statistics and Image Analysis" at Texas Tech University, Lubbock, TX, November, 2005.
126. International Conference In Statistics, University of Malaya, Kuala Lumpur, Malaysia, December, 2005.
127. Department of Genetics, Indian Statistical Institute, Kolkata, India, January 2006.
128. International Chinese Statistical Association, Applied Statistics conference, Storrs, CT, June, 2006.
129. Institute of Statistics & Decision Sciences, Duke University, Durham, NC, September 2006.
130. Division of Probability and Statistics, Indian Statistical Institute, Delhi Center, Delhi, India, December, 2006.
131. Multivariate Statistical Methods in the 21st Century. International Celebrating the Birth Centenary conference in honor of S. N. Roy, Indian Statistical Institute, Kolkata, India. December, 2006.
132. Seventh Triennial conference in Statistics, Calcutta University, Kolkata, India. December 2006.
133. International Indian Statistical Association, Joint Statistical Meeting and International Conference, Department of Statistics, Cochin University of Science and Technology. Cochin, India, January 2007.
134. Graduate School of Business, University of Chicago, Chicago, Illinois, February, 2007.
135. Tenth Regression School, Brazilian Statistical Association, Salvador, Bahia, Brazil, February, 2007.
136. Department of Mathematics and Statistics, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil, March 2007.
137. Department of Statistics, Yale University, New Haven, Connecticut, March 2007.
138. Division of Mathematics, IBM T J Watson Research Center, Yorktown, New York, March, 2007.
139. Department of Biostatistics, Bioinformatics and Epidemiology, Medical University of South Carolina, Charleston, SC, June 2007.
140. International Chinese Statistical Association, Apllied Statistics Symposium, Raleigh, NC, June 2007.

141. Joint Statistical Meetings, Salt Lake City, UT, July 2007.
142. Department of Statistical Sciences, Duke University, Durham, NC, August, 2007.
143. Division of Biostatistics, National Institute of Environmental Health and Sciences, Research Triangle Park, NC, September 2007.
144. Current and Future Trends in Nonparametrics, University of South Carolina, Columbia, SC, October 2007.
145. Department of Statistics, North Carolina State University, Raleigh, NC, November, 2007.
146. Undergraduate Workshop at the SAMSI program on Risk Analysis, Extreme Events and Decision Theory, SAMSI, Research Triangle Park, NC, November, 2007.
147. International Conferences on Statistical Paradigms: Recent Advances and Reconciliations, Indian Statistical Institute, Kolkata, India, January 2008.
148. Inaugural Lecture at the Interdisciplinary Institute of Science and Technology in the Department of Mathematical Sciences, Banaras Hindu University, Banaras, India, January 2008.
149. International Biometrics Society, ENAR, Crystal City, VA, March, 2008.
150. Odyssey Lecture, Johns Hopkins Center for Talented Youth, March, 2008.
151. SAMSI workshop on Risk Revisited, Durham, NC, May, 2008.
152. International Indian Statistical Association conference, Storrs, CT, May, 2008.
153. University of Rochester Medical School, Rochester, NY, January, 2009.
154. Department of Statistics, George Washington University, D C, April, 2009.
155. Seventh Bayesian Nonparametrics Workshop, Moncalieri, Italy, June 2009.
156. International Indian Statistical Association conference, Visakhapatnam, India, January 2010.
157. Division of Computational Biology, Bose Institute, Kolkata, India, January, 2010.
158. International conference on Statistics and Probability, Pontificia Universidad de Catolica del Peru, Lima, Peru, February, 2010.
159. Special invited talk on Mentoring at the New Researchers' conference. University of British Columbia, Vancouver, Canada, July 2010.
160. Joint Statistical Meeting, Vancouver, Canada, August 2010.
161. International Society for Clinical Biostatistics, Montpellier, France, August 2010.
162. International Chinese Statistical Society Meeting, Guangzhou, China, December 2010.
163. Department of Applied Mathematics, Calcutta University, Kolkata, India, January 2011.
164. National Institute for Biomedical Genomics, Kalyani, India, January 2011.
165. Mu Sigma Rho invited talk, Department of Statistics, Virginia Tech, Blacksburg, VA, April, 2011.
166. Probabilistic and Inferential Aspects of Skew-Symmetric Models, Santiago, Chile, May 2011.
167. Invited discussant at the Joint Statistical Meetings, Miami beach, FL, August 2011.
168. Department of Statistics, Harvard University, Cambridge, Ma, September 2011.

169. Plenary speaker, 53rd Annual meeting of the South African Statistical Association, Pretoria, 2011, October 2011.
170. Department of Economics, University of Pretoria, South Africa, November 2011.
171. Professional Development Conference at the Graduate Student Senate, University of Connecticut, April 2012.
172. International Chinese Statistical Association meeting, Boston, MA.
173. 20th Brazilian Statistical Association Meeting, Joao Pessoa, Brazil, July 2012.
174. Department of Statistics, Campinas State University, Campinas, Brazil, August, 2012.
175. Department of Statistics, Federal University of Minas Gerais, Bello Horizonte, Brazil, August, 2012.
176. Department of Statistics, University of Sao Paulo, Brazil, August, 2012.
177. Invited speaker at the symposium on Non-Gaussian Multivariate Statistical Models and Their Applications, Banff International Research Station, Banff, Canada.
178. First Latin American Symposium in Bayesian Statistics, sponsored by ISBA, at University of Costa Rica, July 2013.
179. Invited speaker at the Joint Statistical Meetings in Montreal, Canada, August 2013.
180. Invited speaker at Stat 2013: Socio-Economic Challenges and Sustanable Solutions, C R Rao AIMCS, Hyderabad, India, December 2013.
181. Department of Statistics, University of Calcutta, Kolkata, January 2014.
182. Division of Applied Statistics, Indian Statistical Institute, January 2014.
183. Indian Institute of Management, Calcutta, January 2014.
184. Plenary speaker: 12th Brazilian conference on Bayesian Statistics, Atibaia, Sao Paulo, March 2014.
185. Plenary speaker: Applied Statistics workshop, School of Statistics, Renmin University, Beijing, China, June, 2014.
186. School of Statistics, Renmin University, Beijing, China, June 2014.
187. Chinese Academy of Sciences, Beijing, China, June 2014.
188. Frontiers of Hierarchical Modeling in Observational Studies, Complex Surveys and Big Data: Conference in honor of M. Ghosh, University of Maryland, College Park, MD, June, 2014.
189. International Chinese Statistical Association, Fort Collins, Co, June, 2014.
190. Plenary speaker: 3rd International conference in Probability and Statistics, PUCC, Lima, Peru, August, 2014.
191. Silver Jubilee Lecturer: Chennai Mathematical Institute, Chennai, India, January, 2015.
192. Indian Statistical Institute, Chennai Branch, January 2015.
193. Center for Research in Nanoscience and Nanotechnology, University of Calcutta, January 2015.
194. Plenary Speaker at the Brazilian Conference on Regression, Campinas, Brazil, March 2015.
195. Plenary Speaker at the Conference in honor of Alan Gelfand, Duke University, April 2015.
196. International Chinese Statistical Association, Portland, OR, June 2015.

197. Department of Statistics, Texas A & M University, College Station, Texas, September, 2015.
198. Department of Biostatistics, School of Public Health, University of Texas, Houston, Texas, September, 2015.
199. Cogitas Business Analytics Inc. Mumbai, India, December, 2015.
200. Plenary Speaker, International Indian Statistical Association meeting, Pune, India, December, 2015.
201. Indian Institute of Management, Bangalore, India, January, 2016.
202. SIAM conference on Uncertainty Quantification, Lausanne, Switzerland, April, 2016.
203. Bayes, Frequentist and Fiducial Workshop at DIMAC, Rutgers University, NJ, April 2016.
204. Social Decision Analysis Laboratory, Virginia Tech at Arlington, VA, May, 2016
205. International Society for Business and Industrial Statistics conference, Barcelona, Spain, June, 2016.
206. International Society for Bayesian Analysis World Congress, Cagliary, Sardinia, Italy, June, 2016.
207. Department of Mathematics, University of Nottingham, England, September, 2016.
208. Department of Mathematical Sciences, University of Southampton, England, September, 2016.
209. Department of Mathematics, University of Glasgow, Scotland, September, 2016.
210. Department of Economics, Heriot Watt University, Scotland, September, 2016.
211. Department of Mathematical Sciences,, University of Southampton, Scotland, October, 2016.
212. Department of Statistics, Kansas State University, Manhattan, Ks, Novemeber, 2016.
213. Invited presentation at the workshop for Sankhya at the Indian Statistical Instidute, Kolkata, Decmber, 2016.
214. Invited Speaker, The First Eastern Asia Meeting on Bayesian Statistics, Shanghai, China, December, 2016.
215. Invited Speaker, The 10th ICSA international conference, Shanghai Jiao Tong University in China, December,2016.
216. Invited Speaker,at the conference on Quantitave Methods for Public Health Researchers in SAARC Countries, sponsored by International Statistical Institute and World Bank, Kolkata, December, 2016.
217. Applied Statistics Unit, Indian Statistical Institute, Calcutta, India, January, 2017.
218. Indian Institute of Management, Analytics group, Calcutta, India, January, 2017.
219. Invited Speaker, ENAR meeting, Washington, D.C., March, 2017.
220. Invited Speaker, LIDA conference, Storrs, CT.,May, 2017.
221. Invited Speaker, QPRC conference, Storrs, CT.,June, 2017.
222. Invited Speaker, 2nd International Society of Bayesian Analysis- East Asia Chapter conference, North East Normal University, Changchun, China, July, 2017.

223. Invited Speaker, Flexible Statistical Models For A Skewed World of Data, at PUC, Santiago, Chile. October, 2017.
224. Plenary Speaker, Statistical Methods in Finance, Chennai Mathematical Institute, Chennai, India, December, 2017.
225. Invited Speaker, International Conference in Statistics and Probability on 125th Birth Anniversary of P.C. Mahalanobis, Indian Statistical Institute, Kolkata, India, January 2018.
226. Invited Speaker,Department of Statistics, Purdue University, West Lafayette, IN., April, 2018.
227. Invited Speaker, Bayesian Modeling, Computation and Applications: A Conference in Honor of Professor Lynn Kuo, University of Connecticut, Storrs, CT, May, 2018.
228. Invited Speaker, The Institute for Integrating Statistics in Decisions Sciences, The George Washington University, Washington DC., May 2018.
229. Invited Speaker, 4th Conference of International Society for Nonparametric Statistics, Salerno, Italy, June, 2018.
230. Invited Speaker, International Workshop on Applied Probability, Budapest, Hungary. June, 2018
231. Invited Panelist,"What Should Be the Role of Collaboration/Consulting for Applied Statistical Faculty Members in Academia: Rewards and Punishments ?" at the Joint Statistical Meetings, Vancouver, Canada, July, 2018.
232. Invited Speaker, UConn Statistics Summer Academy, Storrs, CT, August, 2018.
233. Plenary Speaker, Second International Conference in Stochastic Processes: Random Phenomena and Their Applications: In Tribute to the 65th birthday of Professor Dipak K. Dey was held at the National University of Engineering, in Lima, Peru from October, 2018.
234. Invited Speaker, Department of Biostatistics, Virginia Common wealth School of Medicine, Richmond, VA, November, 2018.
235. Invited Speaker,Department of Geography, University of Connecticut, Storrs, CT, April, 2019.
236. Invited Speaker, SDSS Symposium on Data Science and Statistics, Beyond Big Data: Building Data Tools, Belleview, WA, May 2019.
237. Invited Speaker,the 36th ASA Quality and Productivity Research Conference, Washington D.C. , June, 2019.
238. Invited Speaker,fourth East Asia chapter of International Society of Bayesian Analysis, Kobe, Japan, July 2019.
239. Colloquium Speaker, Department of Statistics, Calcutta University, Kolkata, India, November, 2019.
240. Special Invited Speaker, C R Rao birth centenary conference, Indian Academy of Sciences, Bengaluru,India, December,2019.
241. Special Invited Speaker, Techno India University, Kolkata, India, December,2019.
242. Invited Speaker, ICSA International Conference, Hangzhou, China, December,2019.
243. Special Invited Speaker,Cogitaas, Mumbai, India, December, 2019.
244. Invited Speaker, IISA International Conference, Mumbai, India, December, 2019.
245. ENAR, March, 2021.

246. Invited Speaker, Conference in honor of Barry Arnold, Dallas, TX (on line), May 2021.
247. Invited Speaker, IISA International Conference, Chicago, IL (on line), May 2021.
248. Invited Speaker, National Museum Science, Ministry of Cultural Affairs, India, (On line live through YouTube Chanel) May, 2021.
249. Invited Speaker, 128th birth anniversary of Prof. P C Mahalanobis.Indian Statistical Institute, Kolkata, India, June, 2021.
250. Invited Speaker, International Society for Nonparametric Statistics, Paphos, Cyprus, June 2022.
251. Invited Seminar Speaker, Department of Statistics, North Carolina State University, Raleigh, N.C., November 2022.
252. Invited Seminar Speaker, Interdisciplinary Statistical Research Unit, Indian Statistical Institute, Kolkata, India, January 2023.
253. Invited Speaker, Data Science Conference, Calcutta University, Kolkata, India, February 2023.
254. Invited Speaker,International Indian Statistical Association meeting, Golden, CO.
255. Invited Speaker, Tenth Purdue Statistics Symposium, West Lafayette, IN, June 2023.
256. Invited Speaker, Pushing the Boundary of Data Science through Statistical Modeling and Inference: A Conference in Honor of Professor Dipak Dey, Virginia Tech and State University, Blacksburg, VA, July 2023.
257. Plenary Speaker, A New Era of Statistical Science: A Special Conference in Honor of Professor Dipak Dey's 70th Birthday Anniversary, Belo Horizonte, Brazil, August 2023.
258. Invited Speaker, Department of Statistics, Campinas State University, Campinas, Brazil, August 2023.
259. Invited Speaker, Joint UMASS and UCONN colloquium, Department of Mathematics and Statistics, University of Massachusetts, Amherst, November 2023.
260. Plenary Speaker, P.K. Sen Memorial lecture, Calcutta University, Kolkata,India, February 2024.
261. Special Invited Speaker at Indian Statistical Institute, Kolkata,India, February 2024.
262. Special Invited Speaker at Indian Institute of Technology, Kanpur,India, February 2024.
263. Bradley Lecture: Department of Statistics, University of Georgia, Athens, GA, April, 2024.
264. Keynote Lecture at the International Conference on Recent Developments in the Techniques of Bayesian Paradigm. Banaras Hindu University, Varanasi, India, December 2025.
265. Invited Speaker, Interdisciplinary Statistical Research Unit, Indian Statistical Institute, Kolkata, India, January 2025.
266. Invited Speaker, Department of Mathematics and Statistics, Indian Institute of Technology, Kanpur, India, February, 2025.
267. Keynote speaker at the National Mathematics Day for celebration of Ramanujan's birthday at the Indian Institute of Technology, Kanpur, India, February, 2025.

268. Special Invited Speaker, Department of Mathematics and Statistics, Kyungpook National University, Daegu, Korea, March, 2025.
269. Special Invited Speaker, Department of Mathematics and Statistics, Sungkyunkwan University, Humanities and Social Sciences, Seoul, Korea, March, 2025.
270. Special Invited Speaker, Department of Statistics, Yonsei University, Seoul, Korea, March, 2025.
271. Ronald Hocking endowed Lecture and award. Department of Statistics, Texas A and M University, College Station, Texas, April, 2025.
272. Invited Speaker, International Chinese Statical Association, Storrs, CT, June, 2025.
273. Plenary Speaker, International Biometrics Society-Brazilian Region Meeting (R-BRAS), Vitoria, Espirito Santo, Brazil, August 2025.
274. Invited Speaker, Institute for Advancing Intelligence, TCG CREST, Kolkata, India, December 2025.
275. Invited Speaker, SKEW 2026 workshop, Department of Statistics, University of Padova, Italy, January 2026.
276. Invited Speaker, St. Xavier's college, Kolkata, India, January, 2026.

CONTRIBUTED PAPERS PRESENTED

1. IMS Annual Meeting, Cincinnati, August 1982.
2. Sixth International Symposium on Multivariate Analysis, Pittsburgh, July, 1983.
3. IMS Regional Meeting, Austin, Texas, March 1985.
4. International Symposium on Advances of Multivariate Analysis Indian Statistical Institute, Calcutta, India, December 1985.
5. National ASA Meeting, Las Vegas, August 1985.
6. National ASA Meeting, Chicago, August 1986.
7. First New England Statistics Symposium, April 1987.
8. IMS Regional Meeting, Blacksburg, Virginia, May 1987.
9. National ASA Meeting, San Francisco, August 1987.
10. Second New England Statistics Symposium, University of Massachusetts, April 1988.
11. National ASA Meeting, New Orleans, August 1988
12. National ASA Meeting, Washington, D.C., August 1989.
13. Fourth Valencia International Meeting on Bayesian Statistics, Peniscola, Spain, April 1991.
14. NBER-NSF seminar on Bayesian Inference in Econometrics and Statistics, Duke University, October 1992.

FIELDS OF RESEARCH INTEREST

Decision Theory, Multivariate Analysis, Bayesian Analysis, Biostatistics, Computational Statistics, Reliability and Survival Analysis, Statistical Shape Analysis, Statistical Genetics, Bioinformatics.

BOOKS

1. Practical Nonparametric and Semiparametric Bayesian Statistics. Springer-Verlag Lecture Notes Series, Volume 133 (with P. Müller and D. Sinha), 1999.
2. Generalized Linear Models: A Bayesian Perspective. Marcel-Dekker, Inc. (with S. K. Ghosh and B.K. Mallick), 2001.
3. A First Course for Linear Models. Chapman and Hall, CRC (with N. Ravishanker), 2002.
4. Handbook of Statistics Vol.25, "Bayesian Thinking, Modeling and Computation", Elsevier Science, Amsterdam (with C.R. Rao), 2005.
5. Bayesian Statistics and its Application. Proceedings of the International conference on Bayesian Statistics, Varanasi, India, eds. with U. Singh and S.K. Upadhyaya, 2006.
6. Essential Bayesian Models. November 2010. North Holland. (With C.R. Rao).
7. Bayesian Bioinformatics. Chapman & Hall CRC (with S. Ghosh and B.K. Mallick), 2010.
8. Frontiers of Statistical Decision Making and Bayesian Analysis. Springer (with M.-H. Chen, P. Mueller, D. Sun and K. Ye). 2010.
9. Current Trends in Bayesian Methodology with Applications, May 2015. CRC Press. (With Satyanshu K. Upadhyay and Umesh Singh).
10. Extreme Value Modeling and Risk Analysis: Methods and Applications. January 2016. CRC Press. (With J. Yan).
11. A First Course for Linear Models. Chapman and Hall, CRC (with N. Ravishanker and Zhiyi Chi), Second edition, (2021).

PUBLICATIONS

1. On truncation of shrinkage estimators in simultaneous estimation of normal means. J. American Statist. Assoc. (1983), 78 (384): 865 869 (with J.O. Berger).
2. Combining coordinates in simultaneous estimation of normal means. J. Statist. Planning and Inference (1983)2: 143 161 (with J.O. Berger).
3. On truncation of multiparameter estimator in discrete exponential families. Comm. Statist. A (1983),(12): 89 101.
4. On the choice of coordinates in simultaneous estimation of normal means under misspecification of normal priors. Comm. Statist. A (1983),(6): 661 673.
5. Trimmed estimates in simultaneous estimation of parameters in exponential families. J. Multivariate Analysis (1984), 15 (2): 183 200 (with M. Ghosh).
6. On simultaneous estimation of parametric functions in a contingency table. J. Statist. Comp. & Simul. (1984), 20: 261 269.
7. Simultaneous estimation of Poisson means under contaminated prior. Metron. (1984), 85 91.
8. Truncation of shrinkage estimators of normal means in the nonsymmetric case. Multivariate Analysis (1985), 6: 43 56 (ed. P.R. Krishnaiah) (with J.O. Berger).
9. Estimation of Covariance matrix under Stein's loss. Ann. Statist. (1985), 13, 1581 1591 (with C. Srinivasan).
10. On the inadmissibility of preliminary test estimators when the loss involves a complexity cost. Ann. Inst. Statist.Math. (1986), 38, A: 419 427.
11. Trimmed minimax estimator of covariance matrix. Ann. Inst. Statist. Math. (1986), 38, A: 47 54 (with C. Srinivasan).

12. On estimation of Poisson logits. Comm. Statist. (1986), A 15: 2087 2098. Special issue on Stein type multivariate estimation (with C. Srinivasan).
13. Simultaneous estimation of parameters under entropy loss. J. Statist. Planning and Inference (1987), 15: 347 363 (with M. Ghosh and C. Srinivasan).
14. A flexible bathtub hazard model for nonrepairable systems with uncensored data. Microelectronics and Reliability (1987), 27 (1): 87 103 (with L. Jaisingh and W. Kolarik).
15. A bathtub hazard model and an application to system warranty. Transactions of the Kentucky Academy of Sciences (1987), 48: 20 25 (with L. Jaisingh and W. Kolarik).
16. Improved estimation of a multinormal precision matrix. Statistics and Probability Letters (1987), 6: 125 128.
17. A new inadmissibility theorem with applications to estimation of survival and hazard rates and means in the scale parameter family. Sankhya (1988), A, 50(2),269 281. (With A. Das Gupta and A.E. Gelfand).
18. Improved estimator of disturbance variance in a linear regression model. Journal of Econometrics (1988), 39,387 395 (with A .E. Gelfand).
19. On the estimation of variance ratio. J. Statistical Planning and Inference (1988), 19: 121 131 (with A.E. Gelfand).
20. Simultaneous estimation of eigenvalues. Ann. Instistitute of Statistal Math. (1988), 1: 137 147.
21. Improved estimation of variance components in mixed models. Comm. Statist. (1988) A (17): 3313 3331, (with A.E. Gelfand).
22. Estimation of system reliability for independent series components with Weibull life distributions. IEEE Transactions on Reliability (1988), 37: 401 405 (with L. Jaisingh).
23. Estimation of series system reliability for exponentially distributed component life times. Microelectronics and Reliability, (1988), 28; 6: 909 917, (with A.K. Singh and A. Singh).
24. On estimation of the scale matrix of the multivariate F distribution. Comm. Statist. (1989), A, 1373-1384.
25. Improved estimation of a patterned covariance matrix. J. Multivariate Analysis (1989), 31:(1), 107-116. (with A.E. Gelfand).
26. A class of minimax estimators of the scale parameter of uniform distribution, Statist. and Prob. Letters, (1990), 9, 317-321. (with A.L. Rukhin and L. Kuo).
27. Estimation of parameters and reliability from generalized life models, Comm. Statist. (1990) A, 19, 1073-1099. (With P.S. Liu).
28. Estimation of scale parameters in mixture distributions. Canadian J. Statist. (1990), 18, 171-178.
29. On the admissibility of the linear estimators of the Poisson mean using LINEX loss function, Statist. and Decisions, (1990), 8, 201-210. (With L. Kuo).
30. A new class of improved estimators of a multinormal precision matrix. Statistics and Decisions, (1990), 8, 141-151. (With C. Srinivasan and M. Ghosh).
31. On estimation of discriminant coefficients Statist. and Prob. Letters, (1991) 11, 189-193 (with C. Srinivasan).
32. On measuring Bayesian robustness of contaminated classes of priors. Statistics and Decisions, (1991) 9, 63-80 (with A.E. Gelfand).

33. A new empirical Bayes estimator with type II censored data, Computational Statistics & Data Anal. (1991) 12, 271-279 (with L. Kuo).
34. Multiparameter estimation in truncated power series distributions under Stein's loss. Comm. Statist. (1991), A. 20, 309-326 (with Y. Chung).
35. Comments on "Bayesian Pitman Closeness" by M. Ghosh and P.K. Sen, Comm. Statist. (1991) A, 20, 3689-3691.
36. On comparison of estimators in a generalized life model. Microelectronics and Reliability 32, 207-221 (1992) (with P.S. Liu).
37. Compound Poisson distributions: properties and applications. Comm. Statist. (1992) A, 21, 3097-3122 (with Y. Chung).
38. Model determination using predictive distributions with implementation via sampling-based methods. (With A.E. Gelfand and H. Chang). Bayesian Statistics 4. (Bernardo et al. ed.), (1992), 147-167.
39. Bayes computation for life testing and reliability. IEEE Transactions in Reliability (1992), 41, 621-626 (with T.M. Lee).
40. Improved estimation of common scale parameter of several Pareto distributions. Calcutta Statist. Assoc. Bull. (1992), 42, 177-189 (with P.S. Liu).
41. Frequentist validity of posterior quantiles in the presence of a nuisance parameter: higher order asymptotics. Biometrika, (1993), 80, 3, 499-505 (with R. Mukerjee).
42. Estimating bivariate errors-in-variables models with instrumental variables. Comm. Statist. B, (1993), 22, 863-876 (with J.M. Clapp).
43. Measuring local influence of posterior features under contaminated classes of priors. Statistics and Decisions (1993), 11, 377-390 (with L. Birmiwal).
44. On the choice of prior for the Bayes estimation in accelerated life testing. J. Statist. Comp. and Simultaion (1993), 48, 207-217 (with F. Peng).
45. Properties for a multivariate survival distribution generated by Weibull-inverse Gaussian mixture, IEEE Transactions on Reliability (1993), 42, 618-622 (with W.S. Griffith & L. Jaisingh).
46. Bayesian robustness for multiparameter problems. J. Statist. Planning and Inference (1994), 40, 375-382 (with M. Delampady).
47. Comments on "Uniform and subuniform posterior robustness: the sample size problem" by A. DasGupta and S. Mukhopadhyay, J. Statist. Planning and Inference, (1994), 40, 201-203.
48. Bayesian Model Choice: Asymptotics and Exact Calculations. Journal of the Royal Statistical Society. Series B, Vol. 56, No. 3 (1994), pp. 501-514 (with A. E. Gelfand)
49. Robust Bayesian analysis using divergence measures. Statist. Prob. Letters (1994), 20, 287-294 (with L.R. Birmiwal).
50. Simultaneous estimation of parameters from power series distributions under asymmetric loss. J. Korean Statist. Soc. 23, (1994), 151-166 (with Y. Chung).
51. The application of improved eigenvalue estimation to adaptive beamforming and detection. IEEE Twenty-eighth Asilomar Conference on Signals, Systems, and Computers, Pacific Grove, California (1994), 677-681, (with D.A. Abraham).
52. Simultaneous estimation of Poisson means under weighted entropy loss. Calcutta Statist. Assoc. Bulletin (1994), 44, 165-174, (with Y. Chung, and C. Kim).
53. Modeling expert opinion arising as a partial probabilistic specification J. Amer. Statist. Assoc., (1995), 90, 598-604, (with A.E. Gelfand and B. Mallick).

54. Modeling heterogeneity and extraneous variation using weighted distributions. MODA4 - Advances in Model Oriented Data Analysis, Physica-Verlag, (1995), 241-250, (with F. Peng and D. Larose).

55. Bayesian analysis of outlier problems using divergence measures. Canadian Journal of Statistics, (1995), 23,2, 194-213, (with F. Peng).

56. A Bayesian predictive approach to determining the number of components in a mixture distribution. Statistics and Computing, (1995), 5, 297-305, (with L. Kuo and S.K. Sahu).

57. Shrinkage estimation in time series using a bootstrapped covariance estimate. J. of Statist. Comp. & Simul., (1995), 53, 259-267, (with N. Ravishanker and L.S.-Y. Wu).

58. Measuring information contained in nuisance parameters: Poisson ratio problem. Parisankhyan Samikkha, Special Issue. (1995), 2, 9-29, (with F. Peng).

59. Bayesian approach in model selection for the binary response data. Advances in Econometrics, (1996), 11, A, 145-175 (with H. Chang and S. Ray).

60. Estimation of Langmuir constants using linear and nonlinear least squares regression analyses. Soil Science Society of America Journal, (1996), 60, 2, 433-442, (with C.P. Schulthess).

61. Comments on "The Intrinsic Bayes factor for linear models" by J.O. Berger and L.R. Pericchi, Bayesian Statistics 5. (Bernardo et. al. ed.), (1996), 39-40.

62. Comments on "Local sensitivity analysis" by P. Gustafson, C. Srinivasan and L. Wasserman, Bayesian Statistics 5. (Bernardo et al. ed.), (1996), 208-209, (with S. K. Ghosh).

63. On local sensitivity measures in Bayesian analysis (with discussion). Lecture Notes - IMS Monograph Series, (1996), 29, 21-39, (with S.K. Ghosh and K. Lou).

64. Bayesian estimation of entropy with applications in model diagnostics, Special Issue: Journal of Statistical Research, (1996), 30, 1, 9-20, (with A. Gangopadhyay).

65. Shrinkage estimation of contemporaneous outliers in concurrent time series. Comm. Statist. B, (1996), 25, 643-656, (with N. Ravishanker, L.S.-Y. Wu).

66. Weighted distributions viewed in the context of model selection: a Bayesian perspective. Test, (1996), 5, 227-246, (with D. T. Larose).

67. Bayes factor for change-point problem with conjugate prior. J. Korean Statist. Soc., 25, 577-588, (with Y. Chung).

68. Bayesian approach to change point problems via predictive distribution. Comm. Statist., Theory and Methods, (1997), 26, 2035-2047, (with S. Purkayastha).

69. Overdispersed generalized linear models. Journal of Statistical Planning and Inference (1997), 64, 93-107, (with A.E. Gelfand and F. Peng).

70. Grouped random effects models for Bayesian meta-analysis, Statist. in Medicines, (1997), 16, 1817-1829, (with D.T. Larose).

71. Semiparametric Bayesian analysis of survival data. J. Amer. Statist. Assoc., (1997) 92, 1195-1212, (with D. Sinha).

72. A nonparametric approach to the k-sample inference based on entropy. Nonparametric Statistics, (1997),8, 237-252, (with A. Gangopadhyay and R. DiSario).

73. A Weibull regression model with gamma frailties for multivariate survival data. Life Time Data Analysis (1997), 3, 1-15, (with S.K. Sahu, H. Aslanidou and D. Sinha).

74. Bayesian approach for the nonlinear random effects models. Biometrics (1997), 53, 15-28, (with M.-H. Chen and H. Chang).

75. Measuring the effect of observations using posterior and intrinsic Bayes factor with vague prior information. (1997), Sankhya, A, 59, 376-391 (with S.K. Ghosh and H. Chang).

76. Modeling toxicological multivariate mortality data: a Bayesian perspective. Proceedings of the conference on "Modelling Longitudinal and Spatially Correlated Data: Methods, Applications and Future Directions". (1997), 123-134, Springer-Verlag (with D. Sinha and H. Chu).

77. Anilisis Bayesiano de datos de modelos de respuesta bivaria longitudinales. Ciencias Economicas, XVI, (1997), 1, 101-130 (with M.-H. Chen). [In Spanish].

78. A Bayesian approach to loss robustness. Statistics and Decisions (1998), 8, 16, 65-87 (with K. Lou and S. Bose).

79. A Bayesian approach using nonhomogeneous Poisson process for software reliability models. In: Frontiers of Reliability Analysis (eds. Basu et. al.) (1998) 1-18. World Scientific Series on Quality, Reliability and Engineering Statistics, (with J. Achcar and M. Niverthi).

80. Bayesian robustness using local divergence and signal-to-noise ratio. Sixty Fifth Birthday Festschrift Volume in Honor of Dr. Saleh (S. Ejaz Ahmed, ed.), (1998), 411-420, Nova Science Publishers, Inc. (with K. Lou).

81. A simulation-intensive approach for checking hierarchical models. Test, (1998), 7, 325-346 (with A. Gelfand, T. Swartz and P. Vlachos).

82. Bayesian analysis of multivariate survival data using Monte Carlo methods, Canadian J. Statist. (1998), 26, 33-48 (with H. Aslanidou and D. Sinha).

83. Modeling publication bias using weighted distributions in a Bayesian framework. Computational Statistics and Data Analysis, (1998), 26, 279-302 (with D.T. Larose).

84. Box-Cox transformation in Bayesian analysis of compositional data. Environmetrics, (1998), 9, 657-671 (with M. Iyengar).

85. Comments on "The stochastic control of process capability indices" by N.D. Singpurwalla, Test, (1998), 7, 39-43.

86. Survival analysis using semiparametric Bayesian methods. In: Practical Nonparametric and Semiparametric Bayesian methods, (1998), 195-211 (with D. Sinha).

87. Bayesian approach to estimation of intraclass correlation using reference prior. Communications in Statistics, A, (1998), 27, 2241-2255 (with Y. Chung).

88. Bayesian model determination in lifetime data analysis. Brazilian Journal of Probabilities and Statistics, (1998), 2, 113-130 (with D. Sinha).

89. Bayesian analysis of correlated binary data models. Sankhya, A, (1998), 60, 322-343 (with M.-H. Chen).

90. Multivariate survival analysis with positive stable frailties. Biometrics, (1999), 55, 81-88 (with Z. Qiou and N. Ravishanker).

91. A new class of minimax estimators of multivariate normal mean vectors under balanced loss function. Statistics & Decisions, (1999), 17, 255-266 (with Y. Chung and C. Kim).

92. Comments on "Bayesian and frequentist approaches to parametric predictive inference" by R.L.Smith, Bayesian Statistics 6, (Bernardo et. al. ed.), (1999), 604-606.

93. A multivariate mixture of Weibull distributions in reliability modeling. Statistics & Probability Letters (1999), 45, 225-235 (with K. Patra).
94. On estimation with balanced loss functions. Statistics & Probability Letters, (1999), 45, 97-101 (with M. Ghosh and W. Strawderman)
95. A new skewed link model for dichotomous quantal response data. Journal of the American Statistical Association, (1999), 94, 1172-1186 (with M.-H. Chen and Q.-M. Shao).
96. Bayesian analysis for correlated ordinal data models. In: Generalized Linear Models: A Bayesian Perspective, (2000), 135-162 (with M-H. Chen).
97. Bayesian model diagnostics for correlated binary data. In: Generalized Linear Models: A Bayesian Perspective, (2000), 321-338 (with M.-H. Chen).
98. Multivariate process capabilitiy: A Bayesian perspective. Communications in Statistics, A, (2000), 29, 667-687 (with M. Niverthi).
99. Bayesian analysis of compositional data. In: Generalized Linear Models: A Bayesian Perspective, (2000), 357-372 (with M. Iyengar).
100. Bayesian analysis of multivariate mortality data with large families. Applied Statistics, (2000), 49, 129-144. (With M.-H. Chen and D. Sinha).
101. Bayesian data analysis of longitudinal binary response models. Perspectives in Statistical Sciences (Basu et al. ed.), (2000), 110-123 (with M-H. Chen).
102. Bayesian approaches for overdispersion in generalized linear models. In: Generalized Linear Models: A Bayesian Perspective, (2000), 73-90 (with N. Ravishanker).
103. Ranges of posterior expected losses and epsilon-robust actions. In: Robust Bayesian Analysis, (Eds. D. Insua and F. Ruggeri), (2000), 145-160 (with A. Micheas).
104. Comparison of frailty and other models for bivariate survival data. Life Time Data Analysis, (2000), 6, 207-228. (With S. Sahu).
105. Modeling multivariate survival data with a mixture of positive stable frailties. Methodology and Computing in Applied Probability, (2000), 2, 293-308 (with N. Ravishanker).
106. A unified Bayesian approach for analyzing correlated ordinal response data. Brazilian Journal of Probabilities and Statistics, (2000), 14, 87-111 (with M.-H. Chen).
107. Bayesian analysis of binary data using skewed logit models. Calcutta Statistical Association Bulletin, (2001), 51, 11-30 (with Chen and Shao).
108. A general class of multivariate skew-elliptical distributions. Journal of Multivariate Analysis (2001), 79, 99-113 (with M. Branco).
109. Compositional time series analysis of mortality proportions. Communications ion Statistics, Special Issue (2001), 30, 2281-2291 (with N. Ravishanker and M. Iyengar).
110. Applying the Savage Dicky density ratio to default Bayes factors, with an outlier detection in random effects model. Communications in Statistics, Theory and Methods (2001), 30, 12, 2563-2582 (with Y. Chung and S. Lee).
111. Box-Cox transformation. In: Encyclopedia of Environmetrics, Eds. El-Shaarawi, A, and Piegorsch, W. J. Wiley and Sons, (2002), 220-223.
112. Dirichlet distribution. In: Encylopedia of Environmetrics, (Eds. El-Shaarawi, A, and Piegorsch, W.) J. Wiley and Sons, (2002), 520-522 (with T. Maiti).

113. Dirichlet multinomial distribution. Encyclopedia of Environmetrics, (Eds. El-Shaarawi, A, and Piegorsch, W.) J. Wiley and Sons, (2002), 522-523 (with T. Maiti).

114. Model determination for the variance components model using reference priors. Journal of Statistical Planning and Inference (2002), 100, 49-65 (with Y. Chung).

115. A general class of change point and change curve modeling for life-time data. Annals of the Institute of Statistical Mathematics, (2002), 54, 517-530 (with K. Patra).

116. A semiparametric model for compositional data analysis on the simplex. Test (2002), 11, 303-315 (with M. Iyengar).

117. A Bayesian approach to inferring population structure from dominant markers. Molecular Ecology (2002), 11, 1157-1164 (with K. Holsinger and P. Lewis).

118. Regression model under skew elliptical error distribution. The Journal of Mathematical Sciences (2002), 1, 151-171 (with M. Branco).

119. Semiparametric hierarchical selection models for Bayesian meta analysis. Journal of Statistical Computation and Simulation (2002), 72, 825-839 (with Y. Chung and J. Jang).

120. On the relationship between links for binary response data. Journal of Statistical Studies, Special Issue (2002), 159-172 (with Y. Wu and M.-H. Chen).

121. On robustness of choice of links in binomial regression. Calcutta Statistical Association Bulletin, 53, 145-164 (2002), (with M.-H. Chen and Y. Wu).

122. Comments on "Skewed multivariate models related to hidden truncation and/or selective reporting" by B.C. Arnold and R.T. Beaver, Test (2002), 11, 40-47 (with A. Bhaumik).

123. Variable selection for multivariate logistic regression models. Journal of Statistical Planning and Inference, 111, 37-55 (2003), (with M.-H. Chen).

124. A new Bayesian approach for accelerated life test data. Applied Statistics, 52, 249-259 (2003), (with D. Sinha and K. Patra).

125. Prior and posterior predictive p-values in the one-sided location parameter testing problem. Sankhya, Series, A, 65, 158-178 (2003) (with A. Micheas).

126. A new class of multivariate skew distributions with applications to Bayesian regression models. The Canadian Journal of Statistics, 31, 129-150 (2003) (with S.K. Sahu and M.D. Branco).

127. Dynamic multivariate logistic regression model for correlated binary response data. Statistical Methods: Special Issue on Statistics in Industry and Business, 5, 70-86 (2003), (with A. Bhaumik).

128. Bayesian hierarchical model with skewed elliptical distribution. Journal of Korean Statistical Society, 32, 4, 425- 448 (2003), (with Y. Chung, T. Yang and J. Jang).

129. Wavelet modeling of priors on triangles. Journal of Multivariate Analysis, 89, 338-358 (2004), (with Y. Wang).

130. To Bayes or not to Bayes: Application of Bayesian methodology to item response modeling. Structural Equations Modeling, 11(3),424-451, (2004), (with A. Rupp and B. Zumbo).

131. Bayesian criterion based model assessment for categorical data. Biometrika, 91, 45-63 (2004), (with M.-H. Chen and J. Ibrahim).

132. On measuring loss robustness using maximum a posteriori estimate, Communications in Statistics, 33,1069-1085 (2004), (with A.Micheas).

133. Effects of a natural extract of (-)-Hydroxycitric acid (HCA-SX) and a combination of HCA-SX plus niacin-bound chromium and Gymnema sylvestre extract on weight loss. Diabetes, Obesity and Metabolism, 6, 2004, 171-180 (2004), (With H. G. Preuss, D. Bagchi, M. Bagchi, C.V.S. Rao, and S. Satyanarayana).

134. Efficacy of a novel, natural extract of (-)-hydroxycitric acid (HCA-SX) a combination of HCA-SX, niacinbound chromium and Gymnema sylvestre extract in weight management in human volunteers: A pilot study. Nutrition Research, 24, 45- 58 (2004), (with H.G. Preuss, D Bagchi, M. Bagchi, C. V. S. Rao and S. Satyanarayana).

135. Bayesian Analysis of Mixtures of Improper Survival Distributions. Advances in Ranking and Selection, Multiple Comparisons and Reliability with Applications, N. Balakrishnan et.al., eds., Birkhauser, Boston, 353-368, (2004). (With K. Patra and S. Ghosh).

136. Modeling shape distribution and inferences for assessing differences in shapes. Journal of Multivariate Analysis, 92, 257-280 (2005), (with A. Micheas).

137. Proportional odds model for spatially correlated survival data. Life Time Data Analysis, 11, 175-191 (2005), (With S. Banerjee).

138. Multivariate skew-elliptical distribution. Skew-Elliptical Distributions and Their Applications: A Journey Beyond Normality. Eds. Marc G. Genton. 43-62 (2005), (With J. Liu).

139. Assessing shape differences in populations of shapes using the complex Watson shape distribution. Journal of Applied Statistics, 33,1069-1085 (2005). (With A. Micheas).

140. Bayesian inference of population structure from dominant markers from mixtures of Betas. Bioinformatics, 21, 1516- 1529 (2005). (with R. Fu and K. Holsinger).

141. Comparison of Bayes and frequentist approaches for the estimation and prediction for the normal population. Sankhya , 66, 678-706 (2005) . (with D. Sun and C. Ren).

142. Convolutions of the T Distribution. Computers & Mathematics with Applications, 49, 715-721 (2005). (with S. Nadarajah).

143. A new constructions for skew multivariate distributions. Journal of Multivariate Analysis, 95, 323-344 (2005), (with J. Liu).

144. Multitude of Multivariate T distributions. Statistics, 39, 149-181 (2005). (With S. Nadarajah).

145. On a Bayesian multivariate survival model with a skewed frailty, Skew-Elliptical Distributions and Their Applications: A Journey Beyond Normality. Eds. Marc G. Genton., 321-336, (2005), (With S.K. Sahu).

146. Bayesian and frequentist estimation and prediction for exponential distributions. Journal of Statistical Planning and Inference, 136, 2873-2897(2006). (With C. Ren and D. Sun).

147. Complex elliptical distributions with applications to shape analysis. Journal of Statistical Planning and Inference, 136, 2961-2982, (2006). (with A. Micheas and K.V. Mardia).

148. Bayesian Model Choice in Exponential Survival Models. Communications in Statistics, Theory and Methods, 34, 2311-2330 (2005). (with Y. Chung, M. Kim and C. Kim).

149. On the product and ratio of t random variables. Applied Mathematics Letters, 19, 45-55. (2006). (With S. Nadarajah).

150. Differentiation among populations with migration, mutation, and drift: implications for genetic inference. Evolution, 60, 1-12. (2006). (With S. Song and K. Holsinger).

151. Shape classification procedures with application to schizophrenia diagnosis. Bayesian Statistics and its Application. Proceedings of the International conference on Bayesian Statistics, Varanasi, India, eds. with U. Singh and S.K. Upadhyaya, 2006. (With R.E. Zackula and A. Micheas)

152. On Bayesian analysis of generalized linear models using Jacobian techniques. The American Statistician, 60, 3, 264-268. (2006), (with S. Das).

153. Semiparametric multivariate survival models with random effects. Bayesian Statistics and its Application. Proceedings of the International conference on Bayesian Statistics, Varanasi, India, eds. with U. Singh and S.K. Upadhyaya, 2006, 290-300. (With S. Kim and D. Sinha).

154. Statistical approach to metabonomic analysis of rat urine following surgical trauma. Journal of Chemometrics, 20, 87-98. (2006). (With S. Ghosh, D. Grant, D. Hill, B. Luo, N. Petty and R. Melchert).

155. A quantitative study of quantile based direct prior elicitation from expert opinion. Bayesian Analysis, 2, 137-166. (2007). (with J. Liu).

156. Hierarchical overdispersed Poisson model with macrolevel autocorrelation. Statistical Methodology, 4, 354-370 (2007). (With J. Liu).

157. Modeling spatially correlated survival data for individuals with multiple cancers. Statistical Modelling, 7,191-213. (2007). (With U.Diva and S. Banerjee).

158. Reconciling Bayesian and frequentist evidence in the one-sided scale parameter testing problem. Communications in Statistics: Theory and Methods, 36, 1123-1138. (2007). (with A. Micheas).

159. Bayesian analysis of generalized odds-rate hazards models for survival data. Life Time Data Analysis, 13, 241-261. (2007). (with T. Banerjee, M.- H. Chen and S. Kim).

160. Bayesian dynamic models for survival data with a cure fraction. Life Time Data Analysis, 13, 17-35. (2007). (With S. Kim, M-H. Chen, D. Gamerman).

161. Bayesian estimation of stochastic frontier production model with multivariate skew t error terms. Communications in Statistics: Theory and Methods, 36, 907-916. (2007). (With S. Tchumtchoua).

162. Hierarchical overdispersed Poisson model with macrolevel autocorrelation. Statistical Methodology, 4, 354-370 (2007). (With J. Liu).

163. Modeling multilevel survival data using frailty models. Communications in Statistics, Theory and Methods, Special issue, 37, 1734-1741 (2008). (with S. Kim).

164. Flexible generalized t-link models for binary response data, Biometrika, 95: 93-106 (2008).(With S. Kim and M-H. Chen).

165. Skew random effects in multilevel binomial models: an alternative to nonparametric approach, Statistical Modelling, 8(3): 221–241 (2008). (With J. Liu).

166. Parametric models for spatially correlated survival data for individuals with multiple cancers. Statistics in Medicines, 7, 191-213 (2008) (With U.Diva and S. Banerjee).

167. A hierarchical Bayesian approach for estimating origin of a mixed population. IMS, Lecture Notes Monograph Series, Vol.23, 237- 250.(2008).(With F.Guo and K. Holsinger).

168. A unified modeling framework for metabonomic profile development and covariate selection for acute trauma subjects. Statistics in Medicines. 27, 19, 3776–3788, (2008).(With S. Ghosh).

169. A semiparametric profile and bio-marker discovery framework. BMC, Bioinformatics, 2008,9: 38doi:10.1186/1471-2105-9-38 2008,(With S. Ghosh, D.Hill and D.Grant).

170. A double blind, randomized, placebo controlled study of the efficacy and safety of 5-Loxin(R) for treatment of osteoarthritis of the knee. Arthritis Research & Therapy 2008, 10:R85 doi:10.1186/ar2461 (with K. Sengupta, K. V Alluri, A. R. Sathi, S. Mishra ,T. Golakoti, KVS Sarma ,S. P.Raychaudhuri)

171. A semiparametric Bayesian estimation of random coefficients discrete choice Bayesian models using aggregate data. Advances in Econometrics, 23, 275–307, 2008, (with S. Tchumtchoua).

172. A Bayesian hierarchical model for analysis of SNP diversity in multilocus, multipopulation samples. Journal of the American Statistical Association, 104, 142-154. 2009, (With F. Guo and K. Holsinger).

173. Robust linear mixed models with skew-normal independent distributions from a Bayesian perspective. Journal of Statistical Planning and Inference, 139, 4098 – 4110, 2009, (With V. Lachos and V. Cancho).

174. Safety and efficacy of undenatured type II collagen in the treatment of osteoarthritis of the knee: a clinical trial. International Journal of Medical Sciences, 6(6): 312–321, 2009.(With D. C. Crowley, F. C. Lau, P. Sharma, M. Evans, N. Guthrie, M. Bagchi, D. Bagchi,S. P. Raychaudhuri).

175. Constrained statistical decisions in evolving environments. Journal of Intelligent Systems, 18, 171-192, 2009. (With E. Gaioni and D. Larose).

176. Clustering: A pervasive data analytic technique. Multivariate Statistical Methods. Macmillan Advanced Research Series. Eds. A. Sengupta, 171- 201, 2009. (with S. Ghosh).

177. Bayesian isotonic change point analysis, Annals of the Institute of Statistical Mathematics, 61, 355-370 (2009). (with E. Alvarez).

178. On Bayesian inference for generalized multivariate gamma distributions. Statistics and Probability Letters, 80, 19-20, (2010).1492-1499 (With S. Das).

179. On Bayesian inference for generalized multivariate gamma distributions. Statistics and Probability Letters, 80, 19-20, (2010). 1492-1499 (With S. Das).

180. Non-Gaussian Hierarchical Generalized Linear Geostatistical Model Selection. Frontiers of Statistical Decision Making and Bayesian Analysis, eds.M.-H. Chen, D.K. Dey, P. Mueller, D.Sun and K. Ye. Springer.2010. (With X. Wang, and S. Banerjee).

181. Estimating Threshold-exceeding Probability Maps of Continuous Environmental Variables with Markov Chain Random Fields. Journal of Stochastic Environmental Research and Risk Assessment. DOI 10.1007/s00477-010-0389-9, 2010. (With W. Li, C. Zhang and S. Wang).

182. Bayesian modeling of flash floods using generalized extreme value distribution with prior elicitation. Chilean Journal of Statistics: Special invited issue, 18, 171-192, 2010. (With E. Gaioni and F. Ruggeri).

183. Analysis of Extreme Drinking in Patients with Alcohol Dependence Using Pareto Regression, Statistics in Medicine. 2010, 29(11):1250- 1258. (With Das, S.,Harel, O., Covault, J. and Kranzler, H).

184. A New Threshold Regression Model for Survival Data with a Cure Fraction, Lifetime Data Analysis, 2011 Jan;17(1):101-22. (With S. Kim and M.-H. Chen).

185. Generalized Extreme Value Regression For Binary Response Data: An Application to B2B Electronic Payments System Adoption. Annals of Applied Statistics, 2010.(With X. Wang).

186. Baltic Sea Peracarids Diurnal Activity Data: Issues on Multiple Imputation in Overdispersed Poisson Regression Model and Model Selection. Calcutta Statistical Association Bulletin,62, 261-276. (2010). (With O. Harel and J. Liu). Received Bose-Nandi memorial award for the best application paper.

187. Intervention Analysis of Hurricane Effects on Snail Abundance in a Tropical Forest Using Long-Term Spatio-Temporal Data. Journal of Agriculture, Biological and Environmental Statistics, 2010. (With M. Prates, J. Yan and M. Willig).

188. Three-dimensional photon counting integral imaging using Bayesian estimation 2010, Vol. 35, No. 11, Optics Letters (With J. Jung, M. Cho and B. Javidi).

189. A beta mixture model for assessing genetic population structure. Biometrics, 2010. Nov 29. doi: 10.1111/j.1541-0420.2010.01506.x. (with R.Fu and K. Holsinger).

190. Bayesian Nonlinear Regression Models with Scale Mixtures of Skew Normal Distributions: Estimation and Case Influence Diagnostics. Computational Statistics and Data Analysis, 2011, 55, Issue 1, 588-602. (With V. Cancho, V. Lachos and M.G. Andrade).

191. Three-dimensional visualization and identification of objects in photon starved scenes using statistical estimation. Max ENT, (2010). (with B.Javidi, M. Cho, and J. Jung).

192. Generalized Extreme Value Regression for Ordinal Response Data. Environmental and Ecological Statistics, DOI: 10.1007/s10651-010- 0154-8, 2010. (with X. Wang).

193. Test to Distinguish a Brownian Motion from a Brownian Bridge using Polya Tree Process. Statistics and Probability Letters, 81, 1, 140-145.(2011). (with K.Bharath).

194. Linear and non-linear mixed-effects models for censored HIV viral loads using normal/independent distributions. Biometrics, 2011. Apr 19. doi: 10.1111/j.1541-0420.2011.01586.x. (With V. Lachos and D. Bandopadhyay).

195. Recognition and Classification of Red Blood Cells Using Digital Holographic Microscopy and Data Clustering with Discriminant Analysis. Journal of the Optical Society of America, A, 28(6):1204- 1210, 2011.(With Liu, R, Boss, D. Marquet, P. and Javidi, B.).

196. Modeling survival data using the piecewise exponential model with random time grid. Recent Advances in Biostatistics: False Discovery, Survival Analysis, Genomics and other topics, 2011. (With F. N. Demarqui, R. H. Loschi, and E. A. Colosimo).

197. Genetic Diversity of Microsatellite Loci in Hierarchically Structured Populations. Theoretical Population Biology, 80(1):29-37,2011, (with S. Song and K.Holsinger).

198. Modeling experimental cross transiograms of neighboring landscape categories with the gamma distribution. The International Journal of Geographical Information Science, 26:4, 599-620, 2012). (With W. Li and C. Zhang).

199. A class of dynamic Piecewise Exponential Models with Random Time Grid. Journal of Statistical Planning and Inference, 142, 728-742. (2012). (With F. N. Demarqui, R. H. Loschi, E. A. Colosimo).

200. On dynamic generalized linear models with applications. Methodology and Computation in Applied Probability, 15, 407-421.(2013). (With S. Das).

201. A Comparison of Generalized Multinomial Logit (GMNL) and Latent Class Approaches to Studying Consumer Heterogeneity With Some Extensions of the GMNL model (with discussion). Applied Stochastic Models in Business and Industry, (2011).(With J. Pancras).

202. Bayesian Modelling of Bathtub Shaped Hazard Rate Using Various Weibull Extensions and Related Issues of Model Selection, Sankhya, 74,1; 15-43, (2012). (With S.K. Upadhyay, and A. Gupta).

203. Skew-normal/independent linear mixed models for censored responses with applications to HIV viral loads. Biometrical Journal, 54, 3, 405-425. (2012). (With D. Bandyopadhyay, V.H. Lachos and M. Castro).

204. Modeling Associations among Multivariate Longitudinal Categorical Variables in Survey Data: a Semiparametric Bayesian Approach. Psychometrika, 77, 4, 670–692 (2012) (With S. Tchumtchoua).

205. Long-term Survival Models With Latent Activation Under a Flexible Family of Distributions. Brazilian Journal of Statistics and Probability, 27, 585- 600,(2012). (With V. Cancho, M. de Castro).

206. A transformation class for spatio-temporal survival data with a cure fraction. Statistical Methods in Medical Research, DOI: 10.1777. (2012). (With S. Huartado).

207. Mining the Salivary Proteome with Grating-Coupled Surface Plasmon Resonance Imaging and Surface Plasmon Coupled Emission Microarrays. Current Protocols in Toxicology, 18.16.1 – 18.16.19. (2012), (With M. Lynes).

208. A Dengue fever study in the State of Rio de Janeiro with the use of generalized skew-normal / independent spatial fields, Chilean Journal of Statistics, vol. 3. No. 2, 143-155, (2012).(With M. Prates and V.H. Lachos).

209. Ultrasensitive Detection of Cancer Biomarkers in the Clinic using a Nanostructured Microfluidic Array. Analytical Chemistry (2012). (With Malhotra, R.; Patel, V.; Chikkaveeraiah, B.; Munge , B.; Cheong, S.; Zain, R.; Abraham, M. Gutkind, J.; Rusling, J.).

210. State space mixed models for binary responses with scale mixture of normal distributions links, Computational Statistics and Data Analysis: Special Issue on Bayesian Computing, Methods and Applications. 71, 274-287. (2014). (With C. Abanto-Valle).

211. University of Connecticut Department of Statistics, Strength in Numbers: The Rising of Academic Statistics Departments in the U. S. 2013, pp 353-367. (With N. Mukhopadhyay, L. Kuo, and M-H. Chen).

212. Bayesian Inference in Nonlinear Mixed–Effects Models Using Normal Independent Distributions. Computational Statistics and Data Analysis, . 64, issue C, pages 237-252 (With V.H. Lachos, and M. Castro).

213. Asymptotics of a Clustering Criterion for Smooth Distributions. Electronic Journal of Statistics, 7,1078- 1093. 2013. (With K. Bharath and V. Pozdnyakov).

214. A new class of flexible link functions with application to species co occurrence in cape floristic region. Annals of Applied Statistics, 7, 4, 1837- 2457. (2013). (With X. Jiang, A. Wilson, R. Prunier and K. Holsinger).

215. Assessing Intervention Efficacy on High Risk Drinkers Using Generalized Linear Mixed Models with a New Class of Link Functions. Biometrical Journal, 55 (2013) 6, 912–924. (With M. Prates, J. Yan and R. Aseltine).

216. Bayesian Model Diagnostics using Functional Bregman Divergence. Journal of Multivariate Analysis, 124, 371-383. (2014). (With G. Goh).

217. Propriety of Posterior Distributions Arising in Categorical and Survival Models under Generalized Extreme value Distribution. Statistica Sinica, 24,2, 699-722. (2014). (With V. Roy).

218. State space mixed models for binary responses with scale mixture of normal distributions links, Computational Statistics and Data Analysis: Special Issue on Bayesian Computing, Methods and Applications. 71, 274-287. (2014). (With C. Abanto-Valle).

219. Asymptotics of the empirical cross-over function. Annals of the Institute of Statistical Mathematics, 2014, 66, 369-382. (With K. Bharath and V. Pozdnyakov).

220. A full semiparametric Bayesian approach for modeling survival data with cure fraction, Biometrical Journal, 2014, 56, 2, 198-218. (With F.N. Demarqui, R. H. Loschi and E. A. Colosimo).

221. Updating Categorical Soil Maps Using Limited Survey Data by Bayesian Markov Chain Co-Simulation". The Scientific World Journal, Volume 2013, Article ID 587284, http://dx.doi.org/10.1155/2013/5872842013, (with W. Li, C. Zhang, and M. R. Willig).

222. Bayesian estimation of a skew-Student-t Volatility model Methodology and Computing in Applied Probability,17, 721-738. (2015). (With C.A. Abanto-Valle and V.H. Lachos).

223. On a Type of Probability Stopping Rule for Toxicity Study. Sequential Analysis, 32, 382-403. 2013. (With J. Liu).

224. A closer look at the spatial exponential matrix specification. Spatial Statistics, 2014. (With E. Rodrigues and R. Assunc˜ao).

225. An entropy based clustering of embryonic stem cell using digital holographic microscopy. J. Opt. Soc. Am. A. (With R. Liu, A. Anand and B. Javidi).

226. Bayesian estimation of a skew-Student-t stochastic volatility model. Methodology and Computing in Applied Probability. 21, 2013. (With C. Abanto-Valle and Lachos, V).

227. Bayesian Design of Non-Inferiority Clinical Trials with Co-Primary Endpoints and Multiple Dose Comparison. 2014 ICSA Symposium book. (With Wenqing Li, Ming-Hui Chen and Huaming Tan).

228. Bayesian Spatial-Temporal Modeling of Ecological Zero-Inflated Count Data. Statistica Sinica, 2014. (With Xia Wang, Ming-Hui Chen and Rita C. Kuo).

229. Symmetric power link with ordinal response model. Current Trends in Bayesian Methodology with Applications, Eds. D. K. Dey, U. Singh and A. Loganathan, eds. Chapman & Hall/CRC Press, 2014.(With Xun Jiang).

230. A Type of Sample Size Planning for Mean Comparison in Clinical Trials, Journal of Data Science. 2014. (With J. Liu).

231. Bayesian Markov Chain Random Field co-simulation for Improving Land Cover Classification Accuracy. Mathematical Geoscience, 2014. (With W, Li, C Zhang and M. Willig).

232. Bayesian Estimation of Depth Information in Three-Dimensional Integral Imaging. SPIE Sensing Technology plus Applications, Baltimore, MD, 2014. (With X. Xiao and B. Javidi).

233. Binary state space mixed models with flexible link functions: a case study on deep brain stimulation on attention reaction time. Statistics and Its Interface, 8, 2, 187-194. (2015). (With C. Abantovalle and X. Jiang).

234. 3D Automatic Identification of Embryonic Stem Cells Using Quantitative Phase contrast Imaging Digital Holographic Microscopy (With R. Liu, A. Anand, V. Chhaniwal, and B. Javidi).

235. Bayesian Estimation of Depth Information in Three-Dimensional Integral Imaging. SPIE Sensing Technology plus Applications, Baltimore, MD, 2014. (With X. Xiao and B. Javidi).

236. Transformed Gaussian Markov random fields and spatial modeling. Spatial Statistics, 14, 382-399. (2015). (With Prates, M. O., Willig, M. R., and Yan, J).

237. Flexible link functions in nonparametric binary regression with Gaussian process priors. Biometrics (2015). (With D. Li, X. Wang and L. Lizhen).

238. A Flexible Cure Rate Model for Spatially Correlated Survival Data Based on Generalized Extreme Value Distribution and Gaussian Process Priors. Biometrical Journal. DOI: 10.1002/bimj.DOIsuffix.(2015). (With D. Li and X. Wang).

239. Flexible Link Functions in a Joint Model of Binary and Longitudinal Data. Stat.,Volume 4, Issue 1, Pages: 320–330 (2015).(With D.li, X.Wang, S.Song & N. Zhang).

240. Analysis of Bivariate Survival Data Based on Copulas with Log Generalized Extreme Value Marginals. Extreme Value Modeling and Risk Analysis: Methods and Applications Eds. D. K. Dey and J. Yan. Chapman & Hall/CRC Press. Pages 475- 493. (2016).(With Y. Jiang & J. Yan).

241. Dynamic Spatial Pattern Recognition in Count Data. New Developments in Statistical Modeling, Inference and Application Selected Papers from the 2014 ICSA/KISS Joint Applied Statistics Symposium in Portland, OR, 185-202.(2016).(With X. Wang, M-H. Chen& R.C. Kuo).

242. Univariate Extreme Value Analysis. Extreme Value Modeling and Risk Analysis: Methods and Applications Eds. D. K. Dey and J. Yan. Chapman & Hall/CRC Press. Pages 1-22.(2016).(With D. Roy & J. Yan).

243. Multivariate Extreme Value Analysis. Extreme Value Modeling and Risk Analysis: Methods and Applications Eds. D. K. Dey and J. Yan. Chapman & Hall/CRC Press,Pages 23-39. (2016) (With Y. Jiang & J. Yan).

244. Canonical Variate Regression. Biostatistics, 17, 468-483.(2016). (With C. Luo, J. Liu & K. Chen).

245. Partially Supervised Sparse Factor Regression For Multi-Class Classification. Statistical Applications from Clinical Trials and Personalized Medicine to Finance and Business Analytics pp 323-335, Springer. (With C. Luo, J. Liu & K. Chen).

246. Clustering by Propagating Probabilities Between Data Points.41, Pages 390 – 399. Applied Soft Computing. (2016). (With G.Gan & Y. Zhang).

247. Unified multivariate survival model with a surviving fraction: An application to a Brazilian customer churn data". Journal Applied of Statistics, (2016). ISSN: 0266-4763 (Print) 1360-0532 (Online) Journal homepage: http://www.tandfonline.com/loi/cjas20. (With Vicente G. Cancho, Dipak K. Dey & Francisco Louzada).

248. A New lifetime model for multivariate survival data with a surviving fraction. Journal of Statistical Computation and Simulation, 86, 2, 279-292. (2016). ISSN: 0094-9655 . (With Vicente G. Cancho, Francisco Louzada, & Gladys D.C. Barriga).

249. Latent Class Analysis of Incomplete Data via an Entropy-Based Criterion. Statistical Methodology. Sep;32:107-121. (2016). (With C. Larose , O. Harel and K. Kordas).

250. Flexible link functions in nonparametric binary regression with Gaussian process priors. Biometrics, DOI: 10.1111/ biom.12462, 2016. (With D. Li, X. Wang and L. Lin).

251. Time series effects of dissolved oxygen and nitrogen on Long Island Sound lobster harvest. Natural Hazards. DOI: 10.1007/s11069-016-2522-7, 84(3),(2016).(With Mukherjee, Z. Gupta, R).

252. Bayesian inference and diagnostics in zero-inflated generalized power series regression model, 45, 22. Pages 6553-6568. Communications in Statistics - Theory and Methods.(2016). (With Barriga, G.D.C.).

253. Regularizing Portfolio Risk Analysis: A Bayesian Approach. Methodology and Computing in Applied Probability. DOI: 10.1007/s11009-016-9524-5, (2016). (With Das, S.and Halder, A.).

254. Robust Regression Modeling for Censored Data based on Mixtures of Student-t Distributions. Computational Statistics, (2017). (With V. Lachos, L. Benites,& C. Cabral).

255. Inference for Large Tree-structured Data. Journal of the American Statistical Association.http://dx.doi.org/10.1080/01621459.2016.1240081(2017) (Wih K. Bharath, P. Kambadur, Rao, A. and B. Baladandyuthapani).

256. Asymptotic Properties of Marginal Least Squares Estimator for Ultrahigh-Dimensional Linear Regression Models with Correlated Errors. The American Statistician (2017). (With G. Goh).

257. Censored regression models with auto regressive errors: A likelihood-based perspective. The Canadian Journal of Statistics, 45, 375–392 (2017). (With F. L. Schumacher & V. H. Lachos).

258. Discrete-response state space models with conditional heteroscedasticity: An application to forecasting the federal funds rate target. Economics Letters, 154, 20–23. (2017). (With S. Dimitrakopolous).

259. Influence Diagnostics in Spatial Models with Censored Response. Environmetrics, 28, 1-21. (2017). (With T. S. Barbosa, Víctor H. Lachos Larissa A. Matos and Aldo M. Garay).

260. The Exponentiated Inverse Weibull Geometric Distribution. Pakistan Journal of Statistics (2017), Vol. 33 Issue 3, 161-178. (With Y. Chung and M, Jung).

261. Sequential co-sparse factor regression. Journal of Computational and Graphical Statistics, 814-825. (2017). (With Mishra, A., and Chen, K).

262. Bayesian sparse reduced rank regression. Journal of Multivariate Analysis (2017). (With Goh, G. and Chen, K).

263. Scale mixtures log-Birnbaum–Saunders regression models with censored data: a Bayesian approach. Journal of Statistical Computation and Simulation, 2002-2022. (2017).(with V. H. Lachos, V. G. Cancho and F. Louzada).

264. Bayesian Design of Non-Inferiority Clinical Trials via the Bayes Factor. Statistics in Bioscience, 10:439–459 (2018). (With W. Liu, M.-H. Chen and X. Wang).

265. The Impact of Missing Values on Different Measures of Uncertainty. Statistica Sinica (2018). (with C. Larose and O. Harel).

266. A Bayesian Approach to Robust Skewed Autoregressive Processes. Calcutta Statistical Association Bulletin, 69(2) 165– 182. (2018). (With M. Maleki, R. B. Arellano-Valle, M. R. Mahmoudi, S. M. J. Jalali).

267. Bayesian MAP estimation using Gaussian and diffused-gamma prior. Canadian Journal of Statistics,Vol. 46, No. 3, Pages 399–415. (2018). (With G. Goh).

268. Estimation and influence diagnostics for zero-inflated hyper-Poisson regression model: full Bayesian analysis, Communications in Statistics - Theory and Methods,47,11.(2018). (With V. G. Cancho, B. Yiqi, J. A. Fiorucci and G. D. C. Barriga).

269. Leveraging Mixed and Incomplete Outcomes via Reduced-Rank Modeling. Journal of Multivariate Analysis, 2018, Volume 167, Pages 378-394. (2018). (With C. Luo, J. Liang, G. Li, F. Wang, C. Zhang, and K. Chen).

270. Categorical data analysis using a skewed Weibull regression model. Entropy, 20(3), 176; https://doi.org/10.3390/ e20030176. (2018). (With R. Caron, A. Polpo, and D. Sinha).

271. The Marshall-Olkin generalized gamma distribution. Communications for Statistical Applications and Methods, Vol. 25, No. 3, 245–261. (2018). (With G.D.C. Barriga, G. M. Cordeiro, V. G. Cancho, F. Louzada and A. K. Suzuki).

272. Reforming Generative Autoencoders via Goodness-of-Fit Hypothesis Testing. Uncertainty in Artificial Intelligence, (2018). (With A. Palmer and J. Bi).

273. Learning Semiparametric Regression with Missing Covariates Using Gaussian Process Models. Bayesian Analysis, (2019). (With A. Bishoyi and X. Wang).

274. The degree profile and Gini index of random caterpillar trees. Probability in the Engineering and Informational Sciences, (2019). (With P. Zhang).

275. Variable Selection for Correlated Bivariate Mixed Outcomes Using Penalized Generalized Estimating Equations. Statistics and Its Interface, (2019). (With V . Deshpande and E. Schifano).

276. Flexible Regression Modeling for Censored Data based on Mixtures of Student-t Distributions. Computational Statistics, Computational Statistics. March 2019, Volume 34, Issue 1, pp 123–152.(2019).(With V. H. Lachos,R. B. Cabral and M. O. Prates).

277. A Bayesian Piece-wise Survival Cure Rate Model for Spatially Clustered Data. Spatial and Spatio-temporal Epidemiology, (2019). (With S. Hurtado Rua).

278. Clique-based method for social network clustering. Journal of Classification, https://doi.org/10.1007/s00357-019-9310-5 (2019). (With G. Ouyang and P. Zhang).

279. Performance of asymmetric links and correction methods for imbalanced data in binary regression. Journal of Statistical Computation and Simulation,89, 1694-1714. (2019). (With A. la Cruz Huayanay, J.L. Bazan and V.G. Cancho).

280. Power Link Functions in Modeling Dependent Ordinal Data. Environmetrics, (2019). (With D. Li and X. Wang).

281. A note on response mean confidence band for linear regression models. Communication in Statistics- Simulation and Computation, DOI: 10.1080/03610918.2019.1568469, 778-785. (2019). (With J. Liu, N. Ravishanker and E.Q. Zhang).

282. An Extended Poisson Family of Life Distribution: A Unified Approach in Competitive and Complementary Risks. Journal of Applied Statistics, 47, 2, 306-322. doi.org/10.1080/02664763.2019.1644488.(2019). (With P.Ramos, F. Louzada, and V.H. Lachos).

283. Bayesian variable selection using spike and slab prior with application to high dimensional EEG data by local modeling. Journal of the Royal Statistical Society, Series C.(2019).(With S. Mohammed and Y. Zhang).

284. Assessing malaria using neutral zone classifiers with mixture discriminant analysis on 2D images of red blood cells. Journal of Biostatistics and Epidemiology.(2019).(With S. Mohammed).

285. D- Measure A Bayesian Model Selection Criterion for Survival Data. Advances in Data Science and Adaptive Analysis, Vol. 11, No. 3 and 4, (2019).(With B. Yiqi, V. G. Cancho, F. Louzada and A. K. Suzuki).

286. Power series cure rate model for spatially correlated interval-censored data based on generalized extreme value distribution. Journal of Computational and Applied Mathematics, https://doi.org/10.1016/j.cam.2019.112362.(With B. Yiqi, V. G. Cancho, N. Balakrishnan and A. K. Suzuki). (2020).

287. A new regression model for bounded response with application in the study of cure rate of Colorectal cancer. Statistical Methods in Medical Research. doi: 10.1177/0962280219881470,29,7. (2019). (With Cancho, G. V. and J. L. Bazan).

288. Track-to-Track Fusion Using Inside Information from Local IMM Estimators. Journal of Advances in Information Fusion. (2020). (With R. Visina, Y. Bar-Shalom, with P. Willett).

289. Investigating Nested Geographic Structure in Consumer Purchases: A Bayesian Dynamic Multi-scale Spatiotemporal Modeling Approach. Journal of Applied Statistics,Volume 48, 2021 - Issue 3, 410-433. 10.1080/02664763.2020.1725810.(2020). (With X. Wang and J. Pancras).

290. Fully and empirical Bayes approaches to estimating copula-based models for bivariate mixed outcomes using Hamiltonian Monte Carlo. TEST volume 30, pages133–152 (2021). (With V. Deshpande, H. Jeong and E. Schifano).

291. Track-to-Track Fusion Using Inside Information From Local IMM Estimators. Journal of Advances in Information Fusion, Vol. 15, No. 2 December 2020. (With R. Visina, Y. Bar-Shalom and P. Willet).

292. Mixed Effects State-Space Models with Student-t errors, Journal of Statistical Computation and Simulation. Volume 90, 2020 - Issue 17, 3157-3170. (With L. Hernandez-Velasco and C.A. Abanto-Valle).

293. On Foundation of Statistical Inference by C. R. Rao Relating to Information Inequality.Proceedings-Mathematical Sciences, of the Indian Academy of Science.130:42.(2020). (With G.Goh).

294. Three-dimensional polarimetric integral imaging using visible and long wave infrared sensors in photon-starved conditions. Optics Express. Vol. 28, Issue 13, pp. 19281-19294, (2020). (With K. Usmani, T. O'Connor, X. Shen, P. Marasco, A. Carnicier, and B. Javidi).

295. On Posterior Properties of the Two Parameter Gamma Family of Distributions. Annals of the Brazilian Academy of Sciences. c (2021) 93(Suppl. 3): e20190826 DOI 10.1590/0001-3765202120190826. (With P. Ramos, E. Ramos and F.Louzada).

296. Bayesian model assessment and selection using Bregman divergence. Contributions of Barry C. Arnold to Statistical Sciences - Theory and Applications,295-313. Eds.I. Ghosh, N. Balakrishnan, Hon Keung Tony Ng, Springer, book series Emerging Topics in Statistics and Biostatistics. (2021).

297. Classification of High-Dimensional Electroencephalography Data with Location Selection using Structured Spike-and-Slab Prior. Statistical Analysis and Data

Mining, Volume 13, Issue 5,Pages 465-481 (2020).(With S. Mohammed and Y. Zhang).

298. Scalable Spatio-Temporal Bayesian Analysis of High-Dimensional EEG Data, Volume 49, Issue 1, 107-128. Canadian Journal of Statistics: Special issue on neuroimaging. (With S. Mohammed).(2021).

299. Generalized Co-Sparse Factor Regression. Computational Statistics and Data Analysis.Volume 157, 107-127. (With A. Mishra, Y.Chen and K. Chen).(2021).

300. Comparisons of zero-inflated continuous regression models from a Bayesian perspective. Statistics in Medicines. Volume 40, Issue 5, 1073-1100. (2021).(With T. Ye, V. H. Lachos Davila and X. Wang). (2021).

301. Application of Vine Copula for Multi-line Insurance Reserving. 8(4), 111; https://doi.org/10.3390/ Special Issue on Data Mining in Actuarial Science: Theory and Applications.Risks..(With H. Jeong).(2020).

302. Heckman selection-t model: parameter estimation via the EM-algorithm. Journal of Multivariate Analysis. https://doi.org/10.1016/j.Journal of Multivariate Analysis. Volume 184 Issue C (With V. H. Lachos and M. O. Prates). (2021).

303. Prostate Cancer Diagnosis in the Clinic with an 8-Protein Biomarker Panel. Analytical Chemistry.19;93(2):1059-1067. doi: 10.1021/acs.analchem. 19;93(2):1059-1067. doi: 10.1021/acs.analchem. (With Jones, Abby ; Dhanapala Mudiyanselage, Lasangi D Sharafeldin, Mohamed N. ; Colleen Krause ; Shirin Moghaddam ; Ronaldo Faria ; Dey, Dipak ; Watson William ; Ramez Andrawis ; Norman Lee). (2021).

304. Bregman Divergence to Generalize Bayesian Influence Measures for Data Analysis. Journal of Statistical Planning & Inference, Volume 213, Pages 222-232. (With M. De Oliveira, L. Castro and D. Sinha).(2021).

305. Approximate inferences for nonlinear mixed effects models with scale mixtures of skew–normal distributions. Journal of Statistical Theory & Practice. Special Issue for the Birth Centenary of C.R. Rao. (With F. L. Schumacher and V. H. Lachos). (2021).

306. Spatial Tweedie exponential dispersion models: An application to insurance rate-making. Spatial Tweedie exponential dispersion models: An application to insurance rate-making. Issue 10, Pages 1017-1036, Scandinavian Actuarial Journal. (With A. Halder, S. Mohammed and K. Chen).(2021).

307. An Extended Poisson Family of Life Distribution: A Unified Approach in Competitive and Complementary Risks. Jul 18;47(2):306-322. Annals of the Brazilian Academy of Sciences.(With P. L. Ramos, F. Louzada, V. H. Lachos).(2021).

308. A flexible GEV link for zero inflated Conway Maxwell Poisson regression with a case study on motor vehicle crashes. Vol. 55, No. 1, pp. 159-174. Special Issue of the Journal of Statistical Research.(With X. Li). (2021).

309. Estimation of COVID-19 Deaths in the United States using Spatio-Temporal Conway Maxwell Poisson Model. Volume 49, June 2022, 100542. Spatial Statistics. (With X. Li). (2022).

310. Investigating several fundamental properties of random lobster trees and random spider trees. Volume 24, pages 431–447 Methodology and Computing in Applied Probability. (With Y. Ren and P. Zhang).(2022).

311. Zero Inflated Poisson Model with Clustered Regression Coefficients: an Application to Heterogeneity Learning of Field Goal Attempts of Professional Basketball Players. Canadian Journal of Statistics. https://doi.org/10.1002/cjs.11684. (With Y.Xue, H-C. Yang and G.Hu).(2022).

312. On moments of folded and doubly truncated multivariate extended skew-normal distributions. Journal of Computational and Graphical Statistics, Vol. 31, issue 2, pages 455-465. (With C. E. G. Morales, L. A. Matos and V. H. Lachos).(2022).

313. Power laws distributions in objective priors. Statistica Sinica. (With P. L. Ramos, F. A. Rodrigues, E. Ramos and F. Louzada). (2022).

314. On Posterior Properties of the Two Parameter Gamma Family of Distributions. Annals of the Brazilian Academy of Sciences ISSN 0001-3765 (With P.Ramos, F. Louzada and E. Ramos).(2022).

315. Approximation of Zero-Inflated Poisson Credibility Premium via Variational Bayes Approach. Risks 2022, 10(3), 54 Special Issue "Advanced Statistical and Machine Learning Models in Non-life and Health Insurance". (With M. Kim and H. Jeong). (2022).

316. The latent-space adjusted approach: An alternative form in modeling Economic Development and Forest Cover. Vol. 22(1), page 197-212. International Journal of Statistical Sciences. (With B. Ndreka). (2022).

317. A finite Mixture Mixed Proportion Regression Model for Classification Problems in Longitudinal Voting Data, Journal of Applied Statistics,vol. 50. no. 4, 871-888, https://doi.org/10.1080/02664763.2021.1998392. (With R. da Paz, J. Bazan and V. H. Lachos).(2023).

318. Revisiting the Samejima-Bolfarine-Bazan IRT models: New features and Extensions. (With J. Bazan, S.E. Flores Aria and C. L. N. Azevedob). Brazilian Journal of Statistics and Probability. (2023).

319. Bayesian Modeling with Spatial Curvature Processes. Journal of the American Statistical Association, Theory and Method. DOI 10.1080/01621459.2023.217716. (With A. Halder and S. Banerjee). (2023).

320. Fast Bayesian inference of Block Nearest Neighbor Gaussian models for large data. Statistics and Computing. (With Z. C. Quiroz, M. O. Prates and H. Rue). (2023).

321. Bayesian Variable Selection in Double Generalized Linear Tweedie Spatial Process Models. Volume 1, Issue 2 (2023), pp. 187–199. New England Journal of Statistics and Data Science. (With A. Halder and S. Mohammed. (2023).

322. Finite Mixture of Regression Models for Censored Data Based on the skew-t Distribution. (With J. Park and V.H. Lachos). Computational Statistics. (2024).

323. A Bayesian Approach for Mixed Effects State-Space Models Under Skewness and Heavy Tails. Biometrical Journal,. https://doi.org/10.1002/bimj.202100302. (With L. L. Hernandez-Velasco, C. Abanto-Valle and M. Castro). (2023).

324. Power laws distributions in objective priors. Statistica Sinica, Vol. 33 , Page 1-26. (With P. L. Ramos, F. A. Rodrigues, E. Ramos and F. Louzada). (2023).

325. A Mixed-Membership Model for Social Network Clustering. Special Issue: Journal of Data Science. Volume 21, Issue . https://doi.org/10.6339/23-JDS1109. (With P. Zhang and G. Ouyang). (2023).

326. Generalized Variable Selection Algorithms for Gaussian Process Models by LASSO-like Penalty. Journal of Computation and Graphical Statistics. https://doi.org/10.1080/10618600. (With Z. Hu). (2023).

327. Flexible Modeling of Hurdle Conway-Maxwell-Poisson Distributions with Application to Mining Injuries. Statistical Theory and Practice. (With S. Yin, E. A. Valdez, G. Gan and X. Li). (2024).

328. Fast Generalized Spatial Multilevel block NNGP Modeling. ECOSTAT. (With M. Prates, Z. Q. Cornejo, Z. Hu. (2024).

329. Bayesian Joint Modeling of Response Times with Dynamic Latent Ability in Educational Testing. Psychometrika. (With X. Wang and A. Saha).(2024).

330. Evaluating methods for estimating influence effects in social networks: a simulation study. (With B. Ndreka, R. Xu). Communications in Statistics-Simulation and Computation. https://doi.org/10.1080/03610918.2024.2413901.

331. Multivariate Robust Linear Models for Multivariate Longitudinal Data. (With K. Lee, E. Jang and J. Choi).Journal of Multivariate Analysis.(2024).

332. Variable selection in high-dimensional generalized linear mixed models for correlated binary data. (With J. M. F. Carrasco, L. C. Fabio,and V ´ıctor H. Lacho. Statistics in Biosciences. To appear.

333. Distribution-free inference for LightGBM and GLM with Tweedie loss. Applied Stochastic Models in Business and Industry. (With A. Manna, A. Sett, Y.Gu, E. Schifano, and J. He.). (2025). DOI: 10.1002/asmb.70045.

334. Bayesian Estimation of Contagion Effect: An Application of Friendship Networks and Alcohol Behavior. (With B. Ndreka and V. H. Lachos). The New England Journal of Statistics and Data Science.

335. Interval Estimation of Coefficients in Penalized Regression Models of Insurance Data. (With A. Manna. Z. Huang, Y.Gu and J. He). In "Data Science and Statistical Modeling in Business: Towards Operational and Business Excellence", Eds. R. N. Sengupta, B. Basu, J.K. Jha and I. Mukherjee). Springer.

336. Mixture cure models with flexible survival and link functions: Parameter estimation via the EM algorithm.(With Yoo C, Lachos Davila VH, Carrasco JMF. R Package for flexible mixture cure models via EM algorithm.

PAPERS SUBMITTED FOR PUBLICATION

1. Mixture cure models with flexible survival and link functions: Parameter estimation via the EM algorithm. (With C. Yoo, J. M. F. Carrasco and V. H. Lachos).
2. Mixed-effects censored regression based on the odd log-logistic Weibull distribution. (with A. V. Sett, E. M. M. Ortega and V. H. Lachos).
3. Modeling Covariate Effects in Power-Law Distributions: A Cox Proportional Hazards Approach. (With M. O. Salva˜na),
4. Posterior Consistency under mis-specified models in Scalable Point Process. (with Alokesh Manna,and Neil Spencer).
5. Posterior propriety in censored lifetime models. (With Jesus E. Achirea, Pedro L. Ramos).
6. Bayesian Feature Extraction using Gaussian and Diffused-gamma Priors for High Dimensional Spatio-Temporal Data. (with Garrett Frady and Shariq Mohammed).
7. Bayesian Modeling of Structured Sparsity in Mixture Cure Models (with Chaeyeon Yoo, Sanjib Basu and Yunju Im).
8. Robust Bayesian Predictive Model Selection Using Bregman Divergence (with Jongwoo Choi and Neil Spencer).
9. Fully Bayesian synthetic control methods with sparse convex hull restriction and Gaussian process. (With J. Jo and G. Goh).
10. Scalable Spatial Point Process Models for Large-Scale Forensic Footwear Database. (With A. Manna, and N. Spencer).
11. Predictive Modeling of Short-Term Recidivism: A Cure Rate Mixture Approach with Diverse Link Functions. (With Chaeyeon Yoo). (2024).

12. Multivariate Robust Linear Models for Multivariate Longitudinal Data. (With K. Lee and J. Choi). Submitted.
13. Gaussian and Diffused-Gamma Feature Extraction with Application to Sparse, High Dimensional Spatio-Temporal Data. (With G. Frady and S. Mohammed).Submitted.
14. Distributed Analysis and Nonparametric model for Semicontinuous data. (with Z, Huang and Y. Gu). Submitted.
15. Interaction Selection for Tweedie's Compound Poisson Models. (with L.Wang and Y. Gu).
16. Curvature Processes: Directional Concvaity in random fields. (With A. Halder & S. Banerjee).
17. A Skew Testlet IRT Model under a Bayesian Approach.(2019). (With Flores, S.; Azevedo, C.; Bazán, J.L.).
18. Efficiency Comparison Between Regular and Supreme Group Sequential Log-rank Tests. (With J. Liu and E.Q. Zhang).
19. Stochastic volatility with heavy-tails: An approximate Bayesian approach using Hidden Markov Models. (With C. Abanto- Valle, V.H. Lachos and M.H. Chen).
20. 3D Automatic Identification of Embryonic Stem Cells Using Quantitative Phase contrast Imaging Digital Holographic Microscopy. (With R. Liu, A. Anand, V. Chhaniwal, and B. Javidi).
21. Analysis of survival data with a cure fraction under generalized extreme value distribution (With D. Roy and V. Roy).
22. A simple mixed membership model for social network clustering. (with G. Ouyang, and P. Zhang).
23. Negative-Binomial Cure Rate Models with Spatial Frailties for Interval-Censored Data. (With Y. Bao, J.A. Fiorucci, V.G. Cancho).
24. Bayesian inference for ordinal-response state space mixed models with conditional heteroscedasticity. (With S. Dimitrikopoulos).
25. A New Lifetime Model for Multivariate Survival Data with a Surviving Fraction (With V.G. Cancho).
26. A Type of Probability Stopping Rule for Toxicity Study. (With J. Liu).
27. Model-Based Method for Social Network Clustering. (With G. Ouyang and P. Zhang).
28. Model-based methods for social network analysis: A review. (With P. Zhang and Z. Yang).
29. Bayesian Approach to the Logistic Positive Exponent IRT Model with Testlets. (With S. E. Flores, C. L. N. Azevedo and J. L. Bazan).
30. Modeling Single Level and Multilevel One-parameter IRT Model With an Efficient Bayesian Approach. (With J. Bazan, M. Prates and A. C. Huggins-Manley).
31. Spatial Tweedie exponential dispersion models. https://arxiv.org/abs/2003.06299. (With A. Halder, S. Mohammed and K. Chen.).
32. Bayesian Spatial Homogeneity Pursuit Regression for Count Value Data. (With P. Zhao, H-C.Yang and G. Hu). Submitted to ICML Proceeding. https://arxiv.org/abs/2002.0667
33. Nonparametric modeling for dynamic changes of ability in item response theory models. Submitted.(With Y. Li, X. Wang).
34. The Latent-Space Adjusted Approach: An Alternative Form in Modeling Economic Development and Forest Cover.(With B. Ndreka).

35. The Study of Drug Related Death using Non-Homogeneous Poisson Process.(With X. Li,and S. Yin).
36. Flexible Semi-Parametric Gaussian Process Classification. (With Z. Hu).
37. Fast Spatial Multilevel Modeling with Replicates at Locations. (With Z. Hu).
38. Interaction Selection for Tweedie's Compound Poisson Models with the Strong Heredity Constraint. (With L. Wang and Y. Gu).
39. Structured Gaussian and Diffused-Gamma Feature Extraction and Prediction with Application to Sparse High Dimensional Spatiotemporal Data. (With G. Frady and S Mohamed).

PROCEEDING PAPERS/ UNPUBLISHED MANUSCRIPTS

1. Improved estimators in simultaneous estimation of scale parameters (with Alan E. Gelfand), Technical Report #399, Department of Statistics, Stanford University.
2. Multiparameter estimation of truncated discrete exponential distributions under entropy loss (with M. Ghosh), Technical Report #87 1, Department of Statistics, University of Connecticut.
3. On estimating eigenvalues in a two sample problem. Technical Report #87 8, Department of Statistics, University of Connecticut.
4. Estimation of matrix means and the precision matrix: A unified approach (with M. Ghosh and C. Srinivasan), Technical Report #87 18, Department of Statistics, University of Connecticut.
5. Forecasting, planning and contemporaneous outlier analysis from IBM regional revenue based on shrinkage estimation. Proceeding of the Business and Economic section, Joint Statistical meeting 1994 at Toronto.
6. Detection of number of signals in high resolution array processing by decision theoretic criterion. Technical Report No., Department of Statistics, University of Connecticut (with D. Abraham).
7. Estimation of scale matrix from elliptical distributions. Technical Report, Department of Statistics, University of Connecticut (with C. Srinivasan).
8. Publication bias models using weighted distributions in a Bayesian setting. Proceeding of the Section on Bayesian Statistics, Joint Statistical Meeting, 1995 at Orlando (with D. Larose).
9. Sensitivity diagnostics and robustness issues in Bayesian inference. Technical Report 9, Department of Statistics, University of Connecticut (with S.K. Ghosh).
10. Bayesian analysis of multivariate survival data using Monte Carlo methods. Proceeding of the Section on Bayesian Statistics, Joint Statistical Meeting, 1995 at Orlando (with H. Aslanidou and D. Sinha).
11. Simulation based model checking for hierarchical models. Technical Report, 95-29, University of Connecticut (with A. Gelfand, T. Swartz and P. Vlachos).
12. Model determination for multivariate survival data under gamma frailty models. Proceeding of the Section on Bayesian Statistics, Joint Statistical Meeting, 1996 at Chicago (with H. Aslanidou).
13. Model determination for multivariate survival data. Research report No. 96-31, Statistical Laboratory, University of Cambridge (with S.K. Sahu and H. Aslanidou).
14. Mentor Program in Statistics - Summer 1996. Technical report 96-37 (with A. Cole, J. Dutton, N. Ravishanker and M. Iyengar).

15. A Simulation-intensive approach for checking hierarchical models. Proceedings of the Interface of Statistics and Computing, 1997 (with A. Gelfand, P. Vlachos and T. Swartz).
16. On identifying mixing density of scale mixtures of normal distributions (with L.R. Birmiwal), Technical Report, Department of Statistics, University of Connecticut.
17. Is estrogen linked to cancers of the breast and endometrium? New meta-analyses using Bayesian grouped random effects models (with D. Larose), Technical Report, Department of Statistics, University of Connecticut.
18. Estimation of Poisson means with applications to mortality indices (with T. Kubokawa), Technical Report, University of Connecticut.
19. Time series analysis of compositional data using a dynamic linear model approach. Proceeding of the Section on Bayesian Statistical Science, Joint Statistical meetings, 2003 at San Francisco, 226-231, (with A. Bhaumik and N. Ravishanker).
20. Bayesian analysis of compositional time series by using multivariate skew normal distribution. Proceeding of the Section on Bayesian Statistical Science, 2003 at San Francisco, 1082-1086, (with R. Fu and N. Ravishanker).
21. Modeling skew random effects for multilevel binomial regression models (with J. Liu).
22. Variable selection for multilevel Poisson regression models with missing data (with J. Liu).
23. Shape classification procedures with applications, Proceedings of the American Statistical Association , Section on Bayesian Statistical Sciences, San Francisco, 2003. (with A. Micheas).
24. Dynamic generalized linear models for correlated binary responses. (with A. Bhaumik).
25. Local sensitivity analysis using divergence measures under parametric classes of perturbations. (with K. Lou and Y-Chung).
26. Model assessments: An appraisal from a Bayesian perspective. (with T. Maiti).
27. The exponential inverse Weibull Geometric distribution.Pakistan Journal of Statistics. (With Y. Chung).
28. Nonparametric Bayesian binary segmentation procedure to multiple change-point problems. (with C. Kim and Y. Chung).
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39. On Bayesian analysis of Generalized Linear Models: A new perspective. (with S. Das).
40. Semiparametric Functional Estimation Using Quantile-Based Prior Elicitation. SAMSI, Technical Report 2008-6 June 23, 2008. (With E. Gaioni and M. Grigoriu).
41. Bayesian approach to semiparametric transformation models with cure rate. (with S. Kim).
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51. Approximate inferences for nonlinear mixed-effects model with skew-normal independent distributions. (With V. H. Lachos).
52. Bayesian Analysis of Scale Mixtures of Log-Birnbaum-Saunders Regression Models with Censored Data (With V.H. Lachos and V.G. Cancho).
53. Robust Bayesian nonlinear mixed-effects models.(With V.H. Lachos and V. G. Cancho).
54. Robust nonlinear mixed-effects models with application to AIDS studies (with V. Lachos).
55. Sequential Estimation of Sparse Factor Regression. (With A. Mishra and K. Chen).
56. Compositional Data Analysis of the Effects of Hypoxia on Lobster Harvest in the Long Island Sound. (With Z. Mukherjee).

57. Partially supervised sparse factor regression model for multi-class classification. In J. Lin, B. Wang, X. Hu, K. Chen, and R. Liu, editors, In Statistical Applications from Clinical Trials and Personalized Medicine to Finance and Business Analytics, pages 323–335. Springer, International, 2016. (With C. Luo and K. Chen).

58. Clustering incomplete data via normal mixture models and multiple imputation. Conference: 142nd APHA Annual Meeting and Exposition 2014. (With D. Larose, C. Chantal and O Harel).

59. Skewed Link Regressions for Imbalanced Binary Response Data with an Application to Life Insurance. (With S. Yin, E. Valdez and G. Zhang).

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61. Opioid Use Disorder Risk Modelling through Mobility and Genetic Feature Integration. (With S. Légitime, K. Prabhu, D. McConnell, B. Wang, and D. Aguiar).