

CURRICULUM VITAE

DIPANKAR BANDYOPADHYAY

IDENTIFYING INFORMATION

Associate Professor,
 Division of Biostatistics, School of Public Health,
 Member of the Biostatistics Core, Masonic Cancer Center
 University of Minnesota,
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Degrees Awarded

Degree	Institution	Date Degree Granted
B.Sc	University of Calcutta, Calcutta, India Major: <i>Statistics</i> , Minor: <i>Math, Eco</i>	1998
M.Sc	University of Calcutta, Calcutta, India Major: <i>Statistics</i>	2000
M.S.	University of Georgia, Athens, GA Major: <i>Statistics</i>	2003
Ph.D.	University of Georgia, Athens, GA Major: <i>Statistics</i> Advisor: Somnath Datta, PhD Title: ' <i>Novel Nonparametric Methods for Event Time Data</i> '	2006

Employment

University of Minnesota, Twin Cities Associate Professor, School of Public Health	2011 (Aug) – present
Medical University of South Carolina (MUSC) Associate Professor, Div. of Biostat. & Epi	2011 (June) – 2011 (July)
MUSC Assistant Professor, Div. of Biostat. & Epi	2006 (June) – 2011 (May)
University of Georgia PhD student, Teaching assistant, Fellowship	2001 (Aug) – 2006 (May)

Other work experience

Visiting associate professor, Universidad de Concepción, Concepción Chile	2012 (Aug)
Visiting associate professor, Missouri University of Science and Technology, Missouri, CO	2012 (Nov)
Visiting assistant professor, Erasmus University MC, Rotterdam, the Netherlands	2009 (Nov)
Visiting assistant professor, Catholic University of Leuven, Belgium	2009 (Nov)

Current Membership in Professional Organizations

2002 –	American Statistical Association (ASA)
2004 –	International Indian Statistical Association (IISA)
2010 –	Member of the Finance Committee of International Biometrics Society (IBS)
2005 –	Institute of Mathematical Statistics (IMS)
2012 -	International Society for Bayesian Analysis (ISBA)

Past Membership in Professional Organizations

2009 – 2011:	Regional Advisory Board of the ENAR
2008 – 2009:	South Carolina Chapter of the ASA (Chapter Rep)
2009 – 2011:	South Carolina Chapter of the ASA (President)

RESEARCH AND SCHOLARSHIP

Honors and Awards:

2013	Invited by the ENAR president to serve as the ENAR correspondent for the 2013 <i>International Year of Statistics</i> celebration
2012	Appointed by the US <i>Under Secretary for Health</i> to serve as Member of the <i>Rehabilitation Research and Development (RR&D) Service Scientific Merit Review Board</i> , Dept. of Veteran Affairs (VA), Washington DC, effective through August 2016
2012	Invited to serve on the <i>ASA committee on Award of Outstanding Statistical Applications</i> ; Period: Jan 1, 2013 – Dec 31, 2015
2011	Selected as a <i>CDC/ORISE Fellow</i> for Research in Oral Health; Period: Nov 15, 2011 – Nov 14, 2012
2011	<i>CDC/ATSDR Statistical Science Award</i> for ‘Best theoretical paper’: Datta S, Bandyopadhyay D , Satten G. (2010). “Inverse probability of censoring weighted <i>U</i> -statistics for right-censored data with applications to testing of hypothesis”, <i>Scandinavian Journal of Statistics</i> , 37(4), 680-700
2010	Nominated for 2010 MUSC Foundation Developing Faculty Award
2010	Best Poster presentation award (Pediatric Category), ASCRS/ASOA Meeting, Boston, MA
2010	Best Paper presentation award (Pediatric Category), ASCRS/ASOA Meeting, Boston, MA
2009	Elected President of the South Carolina Chapter of the ASA
2008	NIH Travel award to ENAR Workshop for Junior Researchers, 2008 ENAR, Arlington, VA
2008	CRC Book Prize, Bayesian Biostatistics Conference, MD Anderson Cancer Center (MDACC), Houston, TX

- 2006 ASA Stat Bowl (**Team Champion**), JSM Seattle.
- 2005 Univ. of Georgia Graduate **Dissertation Completion Fellowship**
- 2005 Honorable mention, Student paper Award, SCMA 2005 Conference, Auburn, AL
- 2005 ASA Stat Bowl (Individual Championship) **Runner Up**, JSM, Minneapolis
- 2001 National Eligibility Test (NET) in Mathematical Sciences, conducted by UGC-CSIR, Govt. of India.
- 1997 First position, Annual statistics seminar contest, RKM Residential College, Univ. of Calcutta, India
- 1987- 1994 Residential Merit Scholarship, Govt. of India (Entire educational expenses sponsored by Govt. of India)

Travel Awards

- 2012 World Meeting of ISBA (International Society for Bayesian Analysis) Early Career Researcher Travel grant, Kyoto, Japan
- 2010 Junior Researcher Travel award to 2010 UFL Winter Workshop, Gainesville, FL
- 2008 Travel award to Bayesian Biostatistics Conference, MDACC, Houston, TX
- 2007 Travel award to DAE Meeting, University of Memphis, TN
- 2007 Travel award to 9th Bayes Workshop, Carnegie Mellon University, Pittsburgh, PA
- 2007 NSF Travel award to AISC 2007 Meeting, Univ. of North Carolina, Greensboro, NC
- 2007 Travel Award to 32nd Spring Lecture Series on Spatial Statistics, University of Arkansas, Fayetteville, AR
- 2006 Univ. of Georgia Franklin College Mini-Grant/Travel award, ENAR Meeting, Tampa, FL
- 2005 R L Anderson Student Paper Award, SRCOS Annual Meeting, Clemson, SC
- 2005 Travel award to FACM conference, NJIT, Newark, NJ
- 2005 Travel award to MBSW conference, Muncie, IN
- 2004 Travel award to SRCOS SRC Meeting, Blacksburg, VA

Editorships/Journal Reviewer Experience

Associate Editor for *Journal of Agricultural, Biological and Environmental Statistics* (JABES)
Spatial and Spatio-temporal Epidemiology (SSTE)
The Journal of Applied Probability and Statistics (JAPS)
Journal of Dental, Oral and Craniofacial Epidemiology (JDOCE)

Statistical Reviewer for *Eye: The Scientific Journal of The Royal College of Ophthalmologists*

Grant Reviewer:

Adhoc reviewer for the National Research Council of the Govt. of Romania, 2012
 VA Rehabilitation Research and Development (RR&D) Service Merit Review Meeting, 2012, 2013
 NIH/NIDCR Special Emphasis Panel/Scientific Review Group, 2011, 2012, 2013
 Natural Sciences and Engineering Research Council of Canada (NSERC), 2011

Referee (Number in parenthesis indicates # of manuscripts reviewed):

American Statistician (3), Arabian Journal of Mathematics (1), Biometrics (5), Computational Statistics (1), Computational Statistics and Data Analysis (3), Communication in Statistics- Theory and Methods (4), Eye (1), Journal of Statistics and Applications (1), Journal of Statistical Computation and Simulation (1), Journal of Dental Research (6), Journal of the Royal Statistical Society-Series B (1), Journal of Applied Probability and Statistics (3), Journal of Applied Statistics (1), Journal of Traumatic Stress (1), Journal of the American Academy of Dermatology (1), Journal of Neuroscience Methods (1), Lifetime Data Analysis (2), Mathematical Biosciences (1), Sankhya (1), Scandinavian Journal of Statistics (3), Statistics and Probability Letters (6), Spatial and Spatio-temporal Epidemiology (4), Statistics in Medicine (6), Journal of Multivariate Analysis (2), Statistical Papers (1), Sociological Methodology (1), Journal of the American Statistical Association (1), International Statistical Review (1), Electronic Journal of Statistics (2), WIRE Computational Statistics (1).

Book proposal reviewer for Wiley, Prentice-Hall, Kuiper-Collins, CRC Press

Book review for Technometrics, JABES, JASA

Bio-statistical consultant for Health Partners, Bloomington, MN
Centers for Disease Control and Prevention (CDC), Atlanta, GA

Research and Training Grants

External Sources

Received or Pending at the University of Minnesota

- R03 Principal investigator
NIH/NIDCR
Title: Robust spatial models for clustered periodontal data
8/1/11-3/31/14
Direct costs: \$100,000 per year (41% effort, currently 2% in the extension year)
- R03 Principal investigator
NIH/NIAAA
Title: Robust transition models for the analysis of longitudinal drinking outcomes
09/10/11-07/31/13
Direct costs: \$50,000 per year (6% effort)
- Principal investigator
CDC
Title: Statistical models for spatial binary data derived from NHANES surveys
11/15/11-11/14/13
Direct costs: \$17,612 (13.43% effort)
- R03 Principal investigator
NIH/NIDCR

Title: Robust nonparametric methods with variable selection for clustered dental data
8/1/11-6/30/13

Direct costs: \$100,000 per year (Currently 2% effort in the extension year)

- Biostatistician at the UMN Masonic Cancer Center
10% support
- R03 Principal investigator (SUBMITTED)
NIH/NIDCR
Title: Exploring tooth survival using Bayesian semi-parametric spatial models
4/1/13-3/31/15
Direct costs: \$100,000
- R01 Principal investigator (SUBMITTED)
NIH/NIAAA
Title: Mixed Treatment Comparisons Meta-Analysis of Alcohol Dependence Treatment Trials
4/1/13-3/31/17
Direct costs: \$200,000 (per year), 25% support
- R01 Principal investigator (SUBMITTED)
NIH/NIDCR
Title: Efficient Periodontal Prognosis via spatial longitudinal and survival modeling
4/1/13-3/31/17
Direct costs: \$225,000 (per year), 35% support
- P50 Mechanism, Co-I (SUBMITTED)
NIH/NIDA
Tobacco Centers of Regulatory Science for Research Relevant to the Family Smoking Prevention
and Tobacco Control Act
8/1/13-7/31/18, 15% support
- K23 Mechanism, Consultant (SUBMITTED)
NIH/NIDCR
Title: Tobacco carcinogens as markers of exposure, carcinogenesis and risk in oral cancer
4/1/13-3/31/17

Received at the Medical University of South Carolina

- Principal investigator
American Statistical Association (ASA)
Title: Travel support application for 2008 SRCOS SRC ("Modern Semiparametric Methods in
Action"), Charleston, SC
June-July, 2008
Direct costs: \$6,500
- Principal investigator

South Carolina EPSCoR/IDeA Funding Mechanism

Title: Conference sponsor application for 2008 SRCOS SRC ("Modern Semiparametric Methods in Action"), Charleston, SC

June-July, 2008

Direct costs: \$10,000

- Co-investigator
Name of PI: Keith Kirkwood, Elizabeth Slate (Core B: Biostatistics Core)
NIH/NCRR
Title: South Carolina COBRE for Oral Health: Core B: Biostatistics Core
06/01/06-07/30/11
Direct costs: \$269,776 (50% effort)
- Co-investigator
Name of PI: Kathleen Brady
NIH/NIDA
Title: Southern Consortium Node of Clinical Trials Network (CTN)
09/01/09-02/28/11
Direct costs: \$895,473 (30% effort)
- Co-investigator
Name of PI: Paul Nietert
MUSC Division of Biostatistics Collaborative Unit Fund
Title: Investigating disparity in Type 2 diabetes
01/01/10-06/30/11
Direct costs: \$15,000 (15% effort)
- Co-investigator
Name of PI: Kathleen Brady
NIH/NICHHD
Title: Building Interdisciplinary Research Careers in Women's Health
02/10/10-08/01/10
Direct costs: 10% effort
- Co-investigator
Name of PI: Hon Yuen
NIH/NIDCR
Title: Oral Home telecare with Tetraplegics
07/01/09-05/30/10
Direct costs: \$275,000 for 2 years (10% effort)
- Co-investigator
Name of PI: Elizabeth Letourneau
National Institute of Justice
Title: Evaluating the Effectiveness of Sex Offender Registration and Notification Policies for Reducing Sexual Victimization
09/01/06 - 07/31/09
Direct costs: 8.5% effort

- Co-investigator
Name of PI: Elizabeth Letourneau
Centers for Disease Control and Prevention (CDC)
Title: Preventing Sexual Violence: Does Sex Offender Registration and Notification work?
09/01/05-08/31/09
Direct costs: 25.5% effort

MUSC Student Mentored Grant

- Student name/PI: Anthony J. Parker (Parent F31)
NIH/NIDCR Ruth L. Kirschstein Predoctoral Fellowships
Title: Estimation Periodontal Disease Progression in the Presence of Diagnostic Error
07/01/11-06/30/12
Direct costs: 0% effort

Publications:

Refereed Journal Articles (In reverse chronological format, *denote a student author, § denote joint first-author, # denotes postdoctoral fellow)

1. Balbo S, James-Yi S, Johnson C, O'Sullivan MG, Stepanov I, Wang M, **Bandyopadhyay D**, Kassie F, Carmella S, Upadhyaya P and Hecht SS. (2013). "(S)-N'-Nitrosonornicotine, a constituent of smokeless tobacco, is a powerful oral cavity carcinogen in rats", (In Press), *Carcinogenesis*
2. **Bandyopadhyay D**. (2013). "From mouth level to tooth level DMFS: Conceptualizing a theoretical framework", (In Press), *Journal of Dental, Oral and Craniofacial Epidemiology*
3. §Reich BJ, **Bandyopadhyay D** and Bondell H. (2013). "A nonparametric spatial model for periodontal data with non-random missingness", (In Press), *Journal of the American Statistical Association*
4. DeSantis SM, **Bandyopadhyay D**, Prisciandaro JJ, Baker NL, Randall PK, Anton R. (2013). "Modeling longitudinal data in substance use clinical trials: an application to the COMBINE study", (In Press), *Drug and Alcohol Dependence*
5. *Boehm L, Reich BJ and **Bandyopadhyay D**. (2013). "Bridging conditional and marginal shapes for spatially-referenced binary data, (In Press), *Biometrics*. (This paper won the prestigious **John van Ryzin award** at the 2013 ENAR meetings of the IBS).
6. Sora ND, Marlow NM, **Bandyopadhyay D**, Leite RS, Slate EH and Fernandes JK. (2013). "Metabolic syndrome and periodontitis in Gullah African Americans with Type-2 diabetes mellitus". (In Press), *Journal of Clinical Periodontology*
7. Nieto-Barajas LE and **Bandyopadhyay D**. (2013). "A zero-inflated spatial gamma process model with applications to disease mapping", (In Press), *Journal of Agricultural, Biological and Environmental Statistics*
8. Cancho VG, **Bandyopadhyay D**, Louzada-Neto F and Yiqi B. (2013). "The destructive negative binomial cure rate model with latent activation", (In Press), *Statistical Methodology*
9. John MT, Larsson P, Nilner K, **Bandyopadhyay D** and List T. (2013). "Validation of the orofacial esthetic scale in the general population". (In Press), *Health and Quality of Life Outcomes*

10. Parker NP, **Bandyopadhyay D**, Misono S and Goding GS. (2013). "Endoscopic Cold Incision, Balloon Dilation, Mitomycin-c Application, and Steroid Injection for Adult Laryngotracheal Stenosis", (In Press), *The Laryngoscope*
11. Letourneau EJ, Armstrong KS, **Bandyopadhyay D** and Sinha D. (2013) "Sex offender registration and notification policy increases juvenile plea bargains", (In Press), *Sexual Abuse: A Journal of Research and Treatment*
12. Voss TS, Elm JE, Wielinski C, Aminoff MJ, **Bandyopadhyay D**, Chou KL, Sudarsky L and Tilley, B. (2012). "Fall frequency and risk assessment in early Parkinson's disease", *Parkinsonism and Related Disorders*, 18(7), 837-841
13. *VanMeter EM, Garrett-Mayer E and **Bandyopadhyay D**. (2012). "Dose finding clinical trial design for ordinal toxicity grades using the continuation ratio model: an extension of the continual reassessment method", *Clinical Trials*, 9(3), 303-313
14. Egan BM, **Bandyopadhyay D**, Shaftman SR, Wagner CS, Zhao Y and Yu-Isenberg K. (2012). "Initial mono- and combination therapy and hypertension control the first year", *Hypertension*, 22(1), 29-37
15. Yuen HK, Westwater C, *DeGarmo J and **Bandyopadhyay D**. (2012) "Immediate effect of Xylitol chewing gum and mouth rinse on salivary levels of mutans streptococci in adults with systemic sclerosis – a pilot study", *Journal of Experimental and Integrative Medicine*, 2(1), 89-92
16. Prisciandaro JJ, DeSantis SM and **Bandyopadhyay D**. (2012). "Simultaneous modeling of the impacts of treatments on alcohol consumption and quality of life in the COMBINE study: a coupled hidden Markov analysis", *Alcoholism: Clinical and Experimental Research*, 36(12), 2141-2149
17. **Bandyopadhyay D**, #Lachos VH, Dey DK and Castro LM. (2012) "Skew-normal/independent linear mixed models for censored responses with applications to HIV viral loads", *Biometrical Journal*, 54(3), 405-425
18. Egan BM, Shaftman SR, Wagner CS, **Bandyopadhyay D** and Szymanski KA. (2012). "Demographic differences in the treatment and control of glucose in Type-2 diabetic patients: implications for healthcare practice", *Ethnicity and Disease*, 22, 29-37
19. Trivedi R, Wilson ME and **Bandyopadhyay D**. (2012). "Refractive shift in pseudophakic eyes during second decade of life", *Journal of Cataract and Refractive Surgery*, 38(1), 102-107
20. Korte JE, Magruder KM, *Chiuzan C, Logan S, Killen T, **Bandyopadhyay D** and Brady KT. (2011) "Assessing drug use during follow-up: direct comparison of candidate outcome definitions in pooled analyses of addiction treatment studies", *American Journal of Drug and Alcohol Abuse*, 37(5), 358-366
21. *Swearingen CJ, Tilley BC, Adams RJ, Rumboldt Z, Nicholas J, **Bandyopadhyay D** and Woolson RF. (2011) "Application of Beta regression to analyze ischemic stroke volume in NINDS rt-PA clinical trials", *Neuroepidemiology*, 37(2), 73-82
22. Hafez GA, Trivedi RH, Wilson ME and **Bandyopadhyay D**. (2011). "Use of aphakic refraction for secondary in-the-bag intraocular lens power estimation in the pediatric population: a comparison of two formulas", *Journal of the American Association for Pediatric Ophthalmology and Strabismus*, 15(5), 432-434
23. Yuen HK, *Weng Y, **Bandyopadhyay D**, Mahoney S, Reed SG, Silver RM and Leite R. (2011). "Effect of multi-faceted intervention on gingival health among adults with systemic sclerosis", *Clinical and Experimental Rheumatology*, 29(Suppl. 65), S26-S32.
24. # Lachos VH, **Bandyopadhyay D** and Garay AM. (2011). "Heteroscedastic nonlinear regression models based on scale mixtures of skew-normal distributions", *Statistics and Probability Letters*, 81(8), 1208-1217

25. **Bandyopadhyay D**, DeSantis SM, Korte JE and Brady KT. (2011). "Some considerations for excess zeroes in substance abuse research", *American Journal of Drug and Alcohol Abuse*, 37(5), 376-382
26. Gray KM, Riggs PD, Min S-J, Mikulich-Gilbertson SK, **Bandyopadhyay D** and Winhusen T. (2011). "Cigarette and cannabis use trajectories among adolescents in treatment for attention deficit hyperactivity disorder and substance use disorders", *Drug and Alcohol Dependence*, 117(2-3), 242-247
27. #Lachos VH, **Bandyopadhyay D** and Dey DK. (2011) "Linear and non-linear mixed-effects models for censored HIV viral loads using normal/independent distributions", *Biometrics*, 67(4), 1594-1604
28. Marlow N, Slate E, **Bandyopadhyay D** and Leite R. (2011). "Health insurance status is associated with periodontal disease progression among Gullah African Americans with Type-2 diabetes mellitus", *Journal of Public Health Dentistry*, 71(2), 143-151.
29. *VanMeter EM, Garrett-Mayer E and **Bandyopadhyay D**. (2011). "Proportional odds model for dose finding clinical trial designs with ordinal toxicity grading", *Statistics in Medicine*, 30(17), 2070-2080 (**Won 2011 Society for Clinical Trials Student Presentation Award**)
30. DeSantis S and **Bandyopadhyay D**. (2011) "Hidden Markov models for zero-inflated Poisson counts with an application to substance use", *Statistics in Medicine*, 30(14), 1678-1694
31. **Bandyopadhyay D**, Reich BJ and Slate EH. (2011). "A spatial Beta-Binomial model for clustered count data on dental caries", *Statistical Methods in Medical Research*, 20, 85-102
32. Marlow N, Slate E, **Bandyopadhyay D**, Salinas C, Fernandes J. (2011). "An evaluation of serum albumin, root caries, and other covariates in Gullah African Americans with Type-2 diabetes", *Community Dentistry and Oral Epidemiology*, 39(2), 186-192
33. DeSantis SM, Baker NL, Back SE, Spratt E, *Ciolino JD, Moran-Santa Maria M, **Bandyopadhyay D** and Brady KT. (2011). "Gender differences in the effect of early life trauma on HPA axis functioning", *Depression and Anxiety*, 28(5), 383-392
34. *Li X, **Bandyopadhyay D**, Lipsitz S, Sinha D. (2011). "Likelihood methods for binary responses of present components in a cluster", *Biometrics*, 67(2), 629-635 (**Won 2011 ENAR Distinguished Student Paper Award**)
35. **Bandyopadhyay D**, Lachos VH, Abanto-Valle C and Ghosh P. (2010) "Linear mixed models for skew normal/ independent bivariate responses with applications to periodontal data", *Statistics in Medicine*, 29(25), 2643-2655.
36. **Bandyopadhyay D**, Marlow N, Fernandes JK, Leite R. (2010). "Periodontal disease progression and glycemic control among Gullah African Americans with type-2 diabetes", *Journal of Clinical Periodontology*, 37(6), 501-509.
37. Datta S, **Bandyopadhyay D**, Satten G. (2010). "Inverse probability of censoring weighted U-statistics for right-censored data with applications to testing of hypothesis", *Scandinavian Journal of Statistics*, 37(4), 680-700.
38. Letourneau EJ, **Bandyopadhyay D**, Armstrong K, Sinha D. (2010). "Do sex offender registration and notification requirements deter juvenile sex crimes?", *Criminal Justice and Behavior*, 37(5), 553-569
39. Letourneau EJ, Levenson JS, **Bandyopadhyay D**, Armstrong K, Sinha D. (2010). "Effects of South Carolina's sex- offender registration and notification policy on deterrence of adult sex crimes", *Criminal Justice and Behavior*, 37(5), 537-552.
40. Letourneau EJ, Levenson JS, **Bandyopadhyay D**, Armstrong KS and Sinha D. (2010). "The effects of sex offender registration and notification on judicial decisions", *Criminal Justice Review*, 35(3), 295-317

41. **Bandyopadhyay D**, Sinha D, Lipsitz S and Letourneau E. (2010) "Changing approaches of prosecutors towards juvenile repeated sex-offenders: a Bayesian evaluation", *The Annals of Applied Statistics*, 4(2), 805-829
42. Yuen HK, *Wolf BJ, Magruder KM, **Bandyopadhyay D**, Selassie AW and Salinas CF. (2010) "Factors that limit access to dental care for people with spinal cord injury", *Special Care in Dentistry*, 30(4), 151-156.
43. Letourneau EJ, Levenson JS, **Bandyopadhyay D**, Sinha D and Armstrong KS. (2010) "Effects of South Carolina's sex offender registration and notification policy on adult recidivism", *Criminal Justice Policy Review*, 21(4), 435-458.
44. Reich B and **Bandyopadhyay D**. (2010) "A latent factor model for spatial data with informative missingness", *The Annals of Applied Statistics*, 4(1), 439-459.
45. Abanto-Valle CA, **Bandyopadhyay D**, Lachos VH and Enriquez I. (2010) "Robust Bayesian analysis of heavy-tailed stochastic volatility models using scale mixtures of normal distribution", *Computational Statistics and Data Analysis*, 54, 2883-2898.
46. Subramanian S, **Bandyopadhyay D**. (2010) "Doubly robust semiparametric estimation for the missing censoring indicator model", *Statistics and Probability Letters*, 80, 621-630
47. **Bandyopadhyay D** and Jacome-Pumar A. (2010) "Nonparametric estimation of conditional cumulative hazards for missing population marks", *Australian and New Zealand Journal of Statistics*, 52(1), 75-91
48. *Lin L, **Bandyopadhyay D**, Lipsitz S and Sinha D. (2010) "Association models for clustered data with binary and continuous responses", *Biometrics*, 66(1), 287-293
49. Yuen HK, *Wolf, BJ, **Bandyopadhyay D**, Magruder KM, and London S. (2009) "Oral health knowledge and behavior among adults with diabetes", *Diabetes Research and Clinical Practice*, 86(3), 239-246
50. DeSantis S, **Bandyopadhyay D**, Back S and Brady K. (2009). "Non-treatment clinical studies of cocaine and methamphetamine users are protective against follow-up substance abuse", *Drug and Alcohol Dependence*, 105, 227-233.
51. Slate E and **Bandyopadhyay D**. (2009). "An investigation of the MC-SIMEX method with application to measurement error in periodontal outcomes", *Statistics in Medicine* 28, 3523-3538.
52. Chi AC, Appleton K, Henriod J, Krayner J, Marlow NM, **Bandyopadhyay D**, Sigmon R and Kurtz DT. (2009). "Differential induction of CYP1A1 and CYP1B1 by benzo[a]pyrene in oral squamous cell carcinoma cell lines and by tobacco in oral mucosa", *Oral Oncology*, 45(11), 980-985.
53. Welton JM, Zone-Smith L and **Bandyopadhyay D**. (2009) "Estimating nursing intensity and direct cost using the nurse-patient assignment", *Journal of Nursing Administration*, 39(6), 276-284.
54. Letourneau EJ, **Bandyopadhyay D**, Sinha D and Armstrong KS. (2009) "The influence of sex offender registration on juvenile sexual recidivism", *Criminal Justice Policy Review*, 20(2), 136-153.
55. Letourneau EJ, **Bandyopadhyay D**, Sinha D and Armstrong KS. (2009) "Unintended effects: The influence of sex offender policies on juvenile justice decision making", *Sexual Abuse: A Journal of Research and Treatment*, 21(2), 149-165
56. **Bandyopadhyay D**, Reich B and Slate E. (2009). "Bayesian modeling of multivariate spatial binary data with applications to dental caries", *Statistics in Medicine*, 28, 3523-3538.
57. Yuen HK, *Mountford WK, Magruder KM, **Bandyopadhyay D**, Hudson PL, Summerlin LM and Salinas CF. (2009). "Adequacy of oral health information for patients with diabetes", *Journal of Public Health Dentistry*, 69(2), 135-141
58. Subramanian S and **Bandyopadhyay D** (2008). "Semiparametric models for left truncation and right censoring with missing censoring indicators", *Statistics and Probability Letters*, 78, 2572-2577
59. **Bandyopadhyay D** and Datta S. (2008) "Testing equality of survival curves when population marks are missing", *Journal of Statistical Planning and Inference*, 138, 1722-1732

60. Yuen HK, Gillespie B, Barkley RA, Day TA, **Bandyopadhyay D** and Sharma A (2007) "Driving performance in patients with cancer in the head and neck region: A pilot study", *Archives of Otolaryngology- Head and Neck Surgery*, 133(9), 904-909
61. Berenhaut K, Foley JD and **Bandyopadhyay D** (2006). "Maximization for inner products under quasi- monotone constraints", *Journal of Inequalities in Pure and Applied Mathematics*, 7(5), 1-10
62. Berenhaut KS, **Bandyopadhyay D** (2005). "Monotone convex sequences and Cholesky decomposition of symmetric Toeplitz matrices", *Linear Algebra and its Applications*, 403(1), 75-85
63. Chowdhury AS, Arabnia H and **Bandyopadhyay D** (2005). "Improved stereo correlation using Moravec operator and Kolmogorov-Smirnov test", *Proceedings of the 2005 International Conference on Computer Vision (VISION, '05)*: June 20-23, 2005, Las Vegas, USA, 24-30

Non-refereed Journal Articles/Book Chapters/Book Reviews:

1. **Bandyopadhyay D.** (2012) Book Review: "Spatial Data Analysis in Ecology and Agriculture using R" by Richard E. Plant, *Journal of Agricultural, Biological and Environmental Statistics*, 17(4), 700-701.
2. **Bandyopadhyay D.** (2011) Book Review: "Bayesian Econometric Methods" by Koop, Poirier and Tobias, *Technometrics*, 53(2), 210
3. **Bandyopadhyay D** (2010). Book Review: "Measuring Efficiency in Healthcare- Analytic Techniques and Health Policy" by Jacobs, Smith and Street, *Technometrics*, 52(4), 461-462.
4. **Bandyopadhyay D.** (2010) Book Review: "Multiscale Modeling- A Bayesian Perspective" by Ferreira and Lee, *Technometrics*, 52(2), 259-260.

Peer-reviewed Electronic Abstracts:

1. Adhikari M, **Bandyopadhyay D**, Paudel L, Houston J. "Water demand forecasting for animal agriculture: A time-series approach", abstract published in CD-ROM, AWRA Annual Conference, Nov 2-5, 2003, San Diego, CA.
2. Adhikari M, Houston J, Paudel L, **Bandyopadhyay D**, Paudel BN, Devkota N. (2003). Forecasting irrigation water demand: structural and time series analysis, *AAEA Annual Meeting, Montreal Canada (July 27-30, 2003)*.
3. Adhikari M, Houston J, Bandyopadhyay D, Paudel L, Devakota L, Paudel BN (2003). Water demand forecasting for poultry production: structural, time series and deterministic assessment, *AAEA Annual Meeting, Montreal, Canada (July 27-30, 2003)*
4. **Bandyopadhyay, D.**, Wiegand, R., Slate, E., Fernandes. J., London, S. "Association between periodontal disease and HbA1c: A nonparametric assessment", *Journal of Dental Research*, 86 (Spec. Iss. A): 0074, 2007
5. Yuen, H.K., Magruder, K.M., **Bandyopadhyay, D.**, Salinas, C., Slate, E., London, S. "Adequacy of oral health information provided to diabetic patients", *Journal of Dental Research*, 86 (Spec. Iss. A): 2132, 2007
6. Marlow N, Slate E, **Bandyopadhyay D**, Fernandes J, Salinas CJ. "Association between root-carries and serum albumin in Gullah African-American diabetics", *Journal of Dental Research*, 88 (Spec. Iss. A): 96, 2009

Contributed Papers/Posters Presented at Professional Meetings, Conferences, etc

1. Reich BJ, **Bandyopadhyay D** and Bondell H. Nonparametric spatial models for periodontal disease data, Topic-contributed talk, 2012 Joint Statistical Meetings, San Diego, CA, July 28-Aug 2.
2. Reich BJ, **Bandyopadhyay D** and Bondell H. Nonparametric spatial models for periodontal disease data, Contributed poster presented at the 2012 IBC Meetings, Kyoto, Japan, Aug 26-31.
3. Trivedi RH, Wilson ME and **Bandyopadhyay D**. "Long-term longitudinal change in keratometry after pediatric cataract surgery", Poster presented at the 2012 Joint Meeting of the American Academy of Ophthalmology and the Asia-Pacific Academy of Ophthalmology, Chicago, IL, Nov 10-13.
4. Wolff ER, Buchanan TS, Konchellah MN, Youssef MS, Thomas JL, Shanafelt AP, Hoffman MC, **Bandyopadhyay D**, and Ahluwalia J. "Factors associated with nondaily smokers' motivation to quit smoking". Poster presented at: *Annual Meeting of the Society for Research on Nicotine and Tobacco*; Houston, Texas, March 16 2012
5. Konchellah MN, Youssef MS, Buchanan TS, Wolff ER, Shanafelt AP, Hoffman MC, **Bandyopadhyay D**, Thomas JL, and Ahluwalia J. Perceived Vulnerability and Intention to Quit among Nondaily Smokers. Poster to be presented at: *Annual Meeting of the Society for Research on Nicotine and Tobacco*; Houston, Texas, March 16 2012
6. Buchanan TS, **Bandyopadhyay D**, Wolff ER. and Ahluwalia JS. Trajectories from Adolescence to Adult Nondaily Smoking : Data from ADD Health. Poster to be presented at: *Annual Meeting of the Society for Behavioral Medicine*; New Orleans, LA, April 13 2012
7. **Bandyopadhyay D**. Statistical Methods for Dental Research, Contributed poster, *MUSC Department of Medicine 5th Research Day*, December 9 2010.
8. **Bandyopadhyay D**, Sinha D, Lipsitz SL and Letourneau E. Bayesian change-point models in sex-offender research, Contributed poster, *Univ. of Florida Workshop on "Categorical Data Analysis"*, Jan 14-16 2010.
9. Reich BJ and **Bandyopadhyay D**. Spatial Methods in Dentistry, Contributed poster, *MUSC Department of Medicine Annual Research Day*, Dec 10 2009.
10. **Bandyopadhyay D**, Reich BJ and Slate. A spatial Beta-Binomial model for clustered dental data, Contributed poster, *2009 GEOMED Meeting*, Charleston, SC, Nov 14-16 2009
11. **Bandyopadhyay D**, Sinha D, Lipsitz SL and Letourneau E. Bayesian change-point models in sex-offender research, Contributed talk, *WNAR Annual Meeting*, Univ. of California, Davis, CA, June 22-25, 2008
12. Subhramaniam S and **Bandyopadhyay D**. Semiparametric models for left truncation and right censoring with missing censoring indicators Contributed poster, *2008 SRCOS Summer Research Conference*, Charleston, SC, June 8-11, 2008
13. **Bandyopadhyay D**, Sinha D, Lipsitz SL and Letourneau E. Bayesian change-point models in sex-offender research, Contributed talk, *ENAR Annual Meeting*, Arlington, VA, March 16-19, 2008
14. **Bandyopadhyay D**, Sinha D, Lipsitz SL and Letourneau E. Bayesian change-point models in sex-offender research, Contributed poster, *Bayesian Biostatistics Conference*, MD Anderson Cancer Center, Jan 31-Feb 1, 2008
15. **Bandyopadhyay D**, Slate EH and Dey DK. A two-part spatial model with excess zeros, with applications to caries research, Contributed poster, *Bayesian Statistics Workshop*, Carnegie Mellon Univ. on October 19-20, 2007
16. **Bandyopadhyay D**, Sinha D, Lipsitz SL and Letourneau E. Bayesian change-point models in sex-offender research, Contributed talk, *Joint Statistical Meeting (JSM)*, Salt Lake City, UT, July 29-Aug 2, 2007

17. **Bandyopadhyay D**, Reich BJ and Slate EH. Bayesian modeling of multivariate spatial binary data with applications to dental caries, Contributed poster, *32nd Annual Spring Lecture Series in Spatial Statistics, Univ. of Arkansas, AR* on April 12-14, 2007
18. **Bandyopadhyay D**, Slate EH and Fernandes JK. Two group nonparametric tests for clustered dental data, Contributed talk, *2007 IADR Meeting, New Orleans, LA*, March 20-23, 2007
19. **Bandyopadhyay D** and Datta S. *U*-statistics for right censored data, Contributed talk, *ENAR 2006 Spring Meeting, Tampa, FL*, March 26-29, 2006
20. **Bandyopadhyay D** and Datta S. Testing equality of survival curves when population marks are missing, Contributed talk, *SCMA 2005 Conference, Auburn, AL*, December 2-4, 2005
21. **Bandyopadhyay D** and Datta S. Testing equality of survival curves when population marks are missing, Contributed talk, *Joint Statistical Meeting (JSM), Minneapolis, MN*, August 7-11, 2005
22. **Bandyopadhyay D** and Datta S. *U*-statistics for right censored data, Poster presentation, *SRCOS Annual Research Conference in Statistics, Clemson, SC*, June 5-8, 2005
23. **Bandyopadhyay D** and Datta S. *U*-statistics for right censored data, Poster presentation, *MBSW 2005 Conference, Muncie, IN*, May 23-25, 2005
24. **Bandyopadhyay D** and Datta S. Testing equality of survival curves when population marks are missing, Poster presentation, *FACM Conference, NJIT, Newark, NJ*, May 13-15, 2005
25. **Bandyopadhyay D** and Datta S. Testing equality of survival curves when population marks are missing, Contributed talk, *Graduate Student Seminar, University of Georgia, Athens, GA*, January 2005

Invited Presentations Presented at Professional Meetings, Conferences, etc

1. Jin I-H, Yuan Y and **Bandyopadhyay D**. Bayesian modeling of multivariate spatial discrete data, with applications to dental caries, Invited talk, *2013 Joint Statistical Meetings, Montreal, Canada*, August 3-8, 2013
2. **Bandyopadhyay D**. Exploring periodontal disease progression as a spatially-referenced phenomenon, Invited speaker, *XIII School of Regression Models Annual Meeting, Maresias, São Sebastião – SP, Brazil*, February 24-27 2013
3. Luis Neito-Barajas and **Bandyopadhyay D**. Bridging conditional and marginal shapes for spatially-referenced binary data, Invited speaker, *ISBA Regional Meeting, Varanas Hindu University, Varanasi, India*, January 6-10 2012
4. **Bandyopadhyay D**, Lachos VH, Castro LM and Dey D. Bridging conditional and marginal shapes for spatially-referenced binary data, Invited Speaker, *8th International Triennial Calcutta Symposium on Probability and Statistics, Kolkata, India*, December 27-30 2012
5. Reich BJ, **Bandyopadhyay D** and Bondell H. Nonparametric spatial modeling of periodontal disease data with non-random missingness, Invited speaker, *Division of Biostatistics, Medical College of Wisconsin, Milwaukee, WI*, December 11 2012
6. Reich BJ, **Bandyopadhyay D** and Bondell H. Exploring periodontal disease progression as a spatially-referenced phenomenon, Invited speaker, *Department of Mathematics and Statistics, Missouri University of Science and Technology, Rolla, MO*, November 2 2012
7. Reich BJ, **Bandyopadhyay D** and Bondell H. Nonparametric spatial modeling of periodontal disease data with non-random missingness, Invited speaker, *Department of Statistics, Texas A&M University, College Station, TX*, September 7 2012

8. Reich BJ, **Bandyopadhyay D** and Bondell H. Exploring periodontal disease progression as a spatially-referenced phenomenon, Invited speaker, *Departamento de Estadística, Facultad de Ciencias Físicas y Matemáticas, Universidad de Concepción, Concepción, Chile*, August 30 2012
9. **Bandyopadhyay D**. Statistical Methods for Oral Health Data, Invited speaker, *Division of Periodontics, University of Iowa, Iowa City, IA*, May 8 2012
10. Reich BJ, **Bandyopadhyay D** and Bondell H. Nonparametric spatial modeling for clustered periodontal data with informative missingness, Invited speaker, *Division of Biostatistics, MD Anderson Cancer Center, Houston, TX*, January 13 2012
11. **Bandyopadhyay D**. Statistical Methods for Oral Health Data, Invited speaker, *Division of Oral Health, CDC, Atlanta, GA*, December 7 2011
12. Reich BJ and **Bandyopadhyay D**. A latent factor model for spatial data with informatively present mixed responses, Invited Colloquium, *Dept. of Mathematics and Statistics, University of Windsor, Ontario, Canada*, Oct 13 2011
13. Reich BJ and **Bandyopadhyay D**. A latent factor model for spatial data with informatively present mixed responses, Invited talk, *2011 Dental Task Force Meetings, Newark, NJ*, May 9-10
14. Reich BJ and **Bandyopadhyay D**. A latent factor model for spatial data with informatively present mixed responses, Invited Colloquium, *Department of Bio-medical Engineering, GA Tech, Atlanta GA*, May 6 2011
15. Reich BJ and **Bandyopadhyay D**. A latent factor model for spatial data with informatively present mixed responses, Invited talk, *2011 IISA Conference on Probability, Statistics and Data Analysis, Raleigh, NC*, April 21-24
16. Reich BJ and **Bandyopadhyay D**. A latent factor model for spatial data with informatively present mixed responses, Invited talk, *Division of Biostatistics, University of Miami, FL*, Feb 25 2011
17. Reich BJ and **Bandyopadhyay D**. A latent factor model for spatial data with informatively present mixed responses, Invited talk, *Department of Biostatistics and Computational Biology, University of Rochester, NY*, Feb 22 2011
18. Reich BJ and **Bandyopadhyay D**. A latent factor model for spatial data with informatively present mixed responses, Invited speaker, *Division of Biostatistics, University of Minnesota SPH, Minneapolis, MN*, Feb 18 2011
19. **Bandyopadhyay D**. Statistical methods for Oral health data, *Department of Bioinformatics and Biostatistics, University of Louisville, Louisville, KY*, Sep 3 2010.
20. Reich BJ and **Bandyopadhyay D**. A latent factor model for spatial data with informatively present mixed responses, *2010 SRCOS Summer Research Conference, Virginia Beach, VA*, June 8 2010.
21. **Bandyopadhyay D**, Slate EH and Dey DK. A two-part spatial model with excess zeros, with applications to caries research, Invited Colloquium, *Department of Craniofacial Biology, Medical University of South Carolina*, Jan 27 2010.
22. **Bandyopadhyay D**, Slate EH and Dey DK. A two-part spatial model with excess zeros, with applications to caries research, Invited Colloquium, *Department of Biostatistics, Catholic University of Leuven, Belgium*, Nov 26 2009
23. Reich BJ and **Bandyopadhyay D**. A latent factor model for spatial data with informatively present mixed responses, Invited Colloquium, *Department of Biostatistics, Erasmus University, Rotterdam, Netherlands*, Nov 24 2009
24. **Bandyopadhyay D**, Reich BJ and Slate EH. Bayesian modeling of multivariate spatial binary data with applications to dental caries, Invited Young Researcher Session, *2009 GEOMED Conference, Charleston, SC*, Nov 14-16 2009.
25. **Bandyopadhyay D**, Reich BJ and Slate EH. Bayesian modeling of multivariate spatial binary data with applications to dental caries, *Department of Biostatistics and Epidemiology, University of South Carolina, Columbia*, September 30, 2009

26. **Bandyopadhyay D**, Reich BJ and Slate EH. Bayesian modeling of multivariate spatial binary data with applications to dental caries, Invited talk, 2009 Joint Statistical Meeting at Washington DC, August 5 2009
27. Reich BJ and **Bandyopadhyay D**. A latent factor model for spatial data with informatively present mixed responses, *Department of Statistics, University of Calcutta, India*, April 24 2009
28. **Bandyopadhyay D** and Datta S. *U*-statistics for right censored data, Invited 'Teatime for Science' Talk, *Dept. of Biostatistics, Bioinformatics and Epidemiology, Medical University of South Carolina, Charleston, SC* on April 6 2009
29. **Bandyopadhyay D**, Lachos VH, Abanto-Valle C and Ghosh P. Linear mixed models for skew-normal/ independent bivariate responses with applications to periodontal data, *Division of Biostatistics, Ohio State University, Columbus, OH* on March 19 2009
30. **Bandyopadhyay D**, Lachos VH, Abanto-Valle C and Ghosh P. Linear mixed models for skew-normal/ independent bivariate responses with applications to periodontal data, *Department of Biostatistics, Medical College of Georgia, February 26 2009*
31. **Bandyopadhyay D**, Lachos VH, Abanto-Valle C and Ghosh P. Linear mixed models for skew-normal/ independent bivariate responses with applications to periodontal data, Invited Teatime for Science Talk, *Dept. of Biostatistics, Bioinformatics and Epidemiology, Medical University of South Carolina, Charleston, SC* on October 20 2008
32. **Bandyopadhyay D**. 2008 SRCOS – A Grand Success, *SRCOS Business Meeting, Columbia, SC, October 3 2008*
33. **Bandyopadhyay D**, Slate EH and Dey DK. A two-part spatial model with excess zeros, with applications to caries research, *2007 DAE Meeting, University of Memphis, Memphis, TN, Oct 31 – Nov 2 2007*
34. **Bandyopadhyay D**, Slate EH and Dey DK. A two-part spatial model with excess zeros, with applications to caries research, Invited talk, *ICAISC Meeting, Univ. of North Carolina, Charlotte, NC* on October 12-14 2007
35. **Bandyopadhyay D** and Datta S. *U*-statistics for right censored data, Invited Colloquium, *Dept. of Mathematics and Statistics, Georgia State University, Atlanta, GA* on December 1 2006
36. **Bandyopadhyay D**. Novel nonparametric approaches to event-time data, *Dept. of Mathematics and Statistics, Bowling Green State University, Bowling Green, OH, February 15 2006*
37. **Bandyopadhyay D**. Novel nonparametric approaches to event-time data, *Dept. of Biostatistics, Bioinformatics and Epidemiology, Medical University of South Carolina, Charleston, SC, October 13 2005*
38. **Bandyopadhyay D**. Novel nonparametric approaches to event-time data, *Dept. of Mathematics, Wake Forest University, Winston Salem, NC* on May 31 2005

Workshops/courses attended

1. Workshop on semiparametric regression by Matt Wand (Sydney), 2011 Graybill Conference, Fort Collins, CO June 22st 2011
2. Workshop on NHANES and Oral Health by Laurie Barker (CDC), MUSC, May 18th 2011
3. Spring 2010 SC-ASA conference (featuring Dr. Dennis Lin), Columbia, SC, April 9 2010
4. Spring 2009 SC-ASA conference (featuring Dr. Ron Wasserstein), Columbia, SC, April 10 2009
5. SC SAS Users Group Conference (featuring Jennin Milum), Columbia, SC, April 10, 2009
6. Grants Forms & Budget Workshop by Barbara Tilley, DBE-MUSC, Charleston, SC, January 2009
7. Spring 2008 SC-ASA conference (featuring Alan Agresti), Columbia, SC, April 11 2008
8. Workshop for Junior Researchers, ENAR Spring Meeting, Arlington, VA, March 20 2008

9. Teaching using Problem Based Learning, DBBE-MUSC, Dec 8 2007

Post-doctoral fellows / MS statistician supervised

At MUSC

Dr. Crystal Fynn-Longmire, Assistant Professor, Dept. of Neurosciences, MUSC
March 2010 – August 2010

Dr. Victor H. Lachos, Associate Professor, Universidade Estadual de Campinas, Campinas, Brazil
Summer 2010 and Spring 2011

Dr. James J. Priscindiaro, Post-doctoral Fellow, Dept. of Psychiatry and Behavioral Science, MUSC
Summer 2010 and Summer 2011

Ms. Nicole Marlow, MS statistician, Div. of Biostatistics and Epidemiology, MUSC, June 2008- July 2011

TEACHING AND ADVISING

University of Minnesota

Courses taught

- PubH 8472: Spatial Biostatistics, Spring 2012
- PubH 7440: Introduction to Bayesian Analysis, Spring 2013

Doctoral Dissertations Directed

- Wenjun Kang, ongoing (Expected completion: Spring '14)
- Diana Milena Galvis Soto (Co-advising, with Dr. Victor H. Lachos @ University of Campinas, Campinas, Sao Paulo, Brazil; Expected completion: Spring '14)

Doctoral Committees Served

- Harrison Quick, ongoing (Expected completion: Fall '13)
- Aldo Medina (@ University of Campinas, Sao Paulo, Brazil; Expected completion: Spring '14)

Master's Theses Directed

- Patrick Hilden (Completed: Summer '12)
- Brad Lewis, ongoing (Completed: Spring '13)

Master's Committees Served

- Xiaopei Wang, Department of Statistics, UMN (Completed: Fall '11)
- Xinling Xu, Department of Statistics, UMN (Expected completion: Summer '13)

Academic Advising

- Jonah Popp (PhD student in HRSP, SPH)
- Yuqian Zhang (MS student, Biostatistics)
- Maitreyee Bose (PhD student, Biostatistics)

Medical University of South Carolina

Courses taught

BMTRY 711: Categorical Data Analysis, Spring 2007 & 2011
BMTRY 718: Stochastic Processes in Biology & Medicine, Spring 2008
BMTRY 704: Nonparametric Methods in Biology & Medicine, Fall 2009

Doctoral Dissertations Directed:

- Anthony J. Parker (co-directed with Elizabeth Slate), Title: 'New statistical methods for the analysis of periodontal data', Completed: Fall 2012
- Emily Van Meter (co-directed with Elizabeth Garrett-Mayer), Title: 'Adaptive dose-finding clinical trial designs with ordinal toxicity grading', Completed: Summer 2010
- Christopher Swearingen (co-directed with Barbara Tilley), 'Beta Regression: Modeling extremely skewed distributions within a generalized linear framework', Completed: Summer 2009

Doctoral Committees Served on

- Bichun Ouyang

Master's Committees Served

- Alex Smith
- Karra Grasso
- Jumana Jaradat
- William Mountford

Other students (at a different institution) mentored

- Lanjia Lin (Florida State University)
- Xiaoyun Li (Florida State University)
- Timothy Mustvari (Catholic University of Leuven, Belgium)

SERVICE TO THE DISCIPLINE/PROFESSION

- ENAR Correspondent to the 2013 IYS (International Year of Statistics) celebration.
- ASA Committee member on Award of Outstanding Statistical Applications, Jan 1 2013 – Dec 31 2015.
- Member of the Award Committee on the SBSS-sponsored student paper competition at the 2013 Joint Statistical Meetings, Montréal, Canada

- Chair, Invited session titled “Spatial random effect modeling for small area environmental health data” at the 2013 Joint Statistical Meetings, Montréal, Canada.
- Organizing an IISA (International Indian Statistical Association) sponsored invited session titled ‘Computer-intensive methods and geographically-referenced data: A blissful marriage against all odds?’ at the 2013 JSM, Montréal, Canada.
- Member, Organizing Committee, “Young Statisticians Meet – An International Conference”, at University of Burdwan, India, December 24-25 2012
- Participated in the VA Rehabilitation Research and Development (RR&D) Service Merit Review Meeting, March 2012, February 2013.
- Reviewer for Natural Sciences and Engineering Research Council of Canada (NSERC) grants, 2012.
- Organized a topic-contributed session titled ‘Advances in latent-variable spatial models, with applications to bio-sciences’ at the 2012 JSM, San Diego, CA, July 28-Aug 2
- Organized an invited session titled ‘Advances in spatial latent variable modeling, with applications to bio-sciences’ at the 2012 IBC at Kobe, Japan, August 26-31
- Participated in MUSC Center for Oral Health Research (COHR) Steering Committee Meeting for pilot project reviews, June 9th 2011
- Participated in NIH/NIDCR Special Emphasis Panel Study Section , June 2011 and March 2012
- Organized a CDC workshop (by Laurie Barker) on “NHANES and Oral Health” at MUSC, May 18th 2011.
- External Examiner for Masters Thesis, University of Fort Hare, South Africa
- External examiner of PhD dissertation, University of Lahore, Pakistan
- Judge, Student Paper Competition, 2010 SRCOS Summer Research Competition, Virginia Beach, VA, June 6-9
- Chaired an invited session titled ‘High dimensional variable selection: At the crossroads of Bayes and frequentist inference’, at the 2009 Joint Statistical Meetings, Washington DC, August 1-6
- Organized an invited session titled ‘Recent advances in nonparametric methods for interval-censored data’, at the 2009 Joint Statistical Meetings, Washington DC, August 1-6
- Organized a topic-contributed session titled ‘Applications of Bayesian methods to biomedical data’, at the 2009 Joint Statistical Meetings, Washington DC, August 1-6
- Chaired an invited session titled ‘Semiparametric Methods in Survival Analysis’ at the 2008 Southern Regional Council on Statistics (SRCOS) Summer Research Conference, Charleston, SC June 8-11
- **Conference Chair** for 2008 SRCOS Summer Research Conference (SRCOS SRC), Charleston, SC June 8-11
- Chaired an invited session titled ‘Regularization and Hierarchical Modeling: Two philosophies for Variable Selection’ at the 2008 ENAR Spring Meeting, Arlington, VA, March 16-19.

SERVICE TO THE UNIVERSITY/COLLEGE/DEPARTMENT

University of Minnesota

University-wide service:

SPH representative to the Faculty Senate (2013-2016)

School of Public Health Service:

Public Health Practice (PHP) faculty development committee (2012-Present)

SPH health disparities working group (2012-Present)

Judge, SPH Student Research Day (2013)

Division of Biostatistics Service:

Admissions committee, both MS/PhD and Applied Biostatistics Certificate (2012- Present)

Recruiting committee (2011-Present)

Medical University of South Carolina

University-wide committee:

Full member of graduate faculty (May 2010- July 2011)

Associate member of graduate faculty (Sep 2006 – April 2010)

Division of Biostatistics and Epidemiology Committees:

Seminar Committee Chair, Biostatistics Division (July 2006 – July 2011)

Library Committee (August 2006 – July 2009)

Advanced Exam Committee Chair, Biostatistics Division (Jan 2007 – June 2010)

Graduate Student Admissions Committee (June 2009-July 2011)

Student development committee (June 2007 – July 2011)

Local organizing committee, 2008 SRCOS Summer Research Conference, June 8-11, 2008

University of Georgia

Department Committee:

Graduate Student Seminar Committee (July 2005 – May 2006)