

VITA

DEBASIS KUNDU

Rahul and Namita Gautam Chair Professor

Professor, Department of Mathematics and Statistics

Indian Institute of Technology Kanpur

PIN 208016, India

Phone: 91-512-2597141 (Office), 91-512-2598271 (Home)

FAX : 91-512-2597500, 91-512-2590007

e-mail: Kundu@iitk.ac.in

EDUCATION

B.Stat.(1982) Statistics, Indian Statistical Institute

M.Stat.(1984) Statistics, Indian Statistical Institute

M.A.(1985) Mathematics, University of Pittsburgh

Ph.D.(1989) Statistics, Pennsylvania State University

PH.D. DISSERTATION

Results in Estimating the Parameters of Exponential Signals in Presence of Noise

(Adviser : Prof. C.R. Rao).

RESEARCH INTERESTS

Statistical Signal Processing

Distribution Theory

Reliability & Survival Analysis

RESEARCH PROFILE

Total citations more than 14772. (Scholar Google Citation)

H-index: 61

i10-index: 191

APPOINTMENTS

1984-86 Teaching Assistant, University of Pittsburgh

1985-86 Research Assistant, University of Pittsburgh

1986-88 Teaching Fellow, University of Pittsburgh

1986-88 Research Fellow, University of Pittsburgh

1988-89 Teaching Fellow, Pennsylvania State University

1989-90 Assistant Professor, University of Texas at Dallas, (Tenure Track).

1990-95 Assistant Professor, Department of Mathematics, Indian Institute of Technology Kanpur, India.

1995-99 Associate Professor, Department of Mathematics, Indian Institute of Technology Kanpur, India.

1999-2011 Professor, Department of Mathematics, Indian Institute of Technology Kanpur, India.

2011- Professor on Higher Academic Grade, Department of Mathematics and Statistics, Indian Institute of Technology Kanpur, India.

SPECIAL APPOINTMENTS

1991 June - July, Visiting Scientist, Center for Multivariate Analysis at The Pennsylvania State University.

1992 June - July, Visiting Scientist, Div. of Mathematics and Theor. Statistics, Indian Statistical Institute.

1993 June - July, Visiting Scientist, Div. of Mathematics Theor. Statistics, Indian Statistical Institute.

1993 December, Visiting Scientist, Div. of Mathematics Theor. Statistics, Indian Statistical Institute.

1995 June-July, Visiting Scientist, Electrical Communications Engineering Department, Indian Institute of Science.

1996 May-July, Visiting Scientist, Dept. of Math., Stat. and Comp. Sc., Univ. of New Brunswick, Saint John.

1997 May-July, Visiting Scientist, Dept. of Math., Stat. and Comp. Sc., Univ. of New Brunswick, Saint John.

1998 Jan-July, Visiting Professor, Dept. of Math., Stat. and Comp. Sc., Univ. of New Brunswick, Saint John.

1998 Aug-Dec, Visiting Associate Professor, Department of Statistics, The Pennsylvania State University, University Park.

1999 Jan-May, Visiting Associate Professor, Department of Mathematics and Statistics, The University of Texas at San Antonio.

2000 June-July, Visiting Scientist, Department of Mathematics and Statistics, The University of Texas at San Antonio.

2001 May-July, Visiting Scientist, Department of Mathematics and Statistics, McMaster University.

2002 June, Visiting Scientist, Department of Mathematics and Statistics, McMaster University.

2002 September - 2003 May Visiting Professor, Department of Management Science and Statistics, The University of Texas at Antonio.

2004 June, Visiting Scientist, Department of Mathematics and Statistics, McMaster University.

2005 - 2013 (Summer), Visiting Scientist, Department of Management Science and Statistics, The University of Texas at San Antonio.

HONORS AND AWARDS

1. Recipient of National Scholarship, awarded by Ministry of Education and Culture, Government of India, 1977.
2. Recipient of National Scholarship, awarded by Ministry of Education and Culture, Government of India, 1979.
3. Elected as a **Fellow of the National Academy of Sciences, India** in the year 2001.
4. Elected as a **Fellow of the Royal Statistical Society, London** in the year 2003.
5. **C.L. Chandana Mathematics Award** from Canadian World Education Foundation for Distinguished and Outstanding Contribution to Mathematics Research and Teaching, 2004. Received Rs. 51,000.00 cash prize and a plaque.
6. Endowed USV Chair Professor 2008-2011.
7. Distinguished visitor of the Cochin University of Science and Technology, Kerala, India, under the ERUDITE scheme of the Government of Kerala, India, during 20-26 February, 2011.
8. Distinguished Visiting Professor, King Syed University, Saudi Arab, 2011-2012.
9. Endowed Arun Kumar Chair Professor 2011 - 2014.
10. Recipient of the first **Distinguished Statistician Award** by the Indian Society of Probability and Statistics, 2014.
11. Endowed Rahul and Namita Gautam Chair Professor 2014 - 2017.
12. Recipient of the first **Professor P.C. Mahalanobis Distinguished Educator Award** by the Operation Research Society of India, 2017.
13. Recipient of **Excellence In Teaching Award** by I.I.T. Kanpur, 2019.
14. Elected as a Fellow of the **Indian Society of Probability and Statistics** in 2019.

KEYNOTE, PLENARY AND ENDOWMENT LECTURES

1. Delivered **C.N. R. Rao** Lecture at I.I.T. Kanpur on March 06, 2013.

2. **Key Note Speaker** at the two-day conference on research in statistical science: past, present and future in Sardar Patel University, Gujarat on February 21, 2014.
3. **Key Note Speaker** at the annual conference of the Turkish Statistical Association, May 10 - May 14, 2014.
4. **A.M. Mathai** endowed lecture at the annual meeting of the Indian Society of Probability and Statistics held at University of Lucknow, Lucknow on Nov. 28 - 30, 2015.
5. **Key Note Speaker** at the National Conference on Recent Statistical Computing Techniques and Their Applications, Ramanujan College, University of Delhi, Delhi, India, March 11 - March 12, 2016.
6. **Key Note Speaker** at the IRSYSC-2016 conference on Statistics and its Applications, Hecettepe University, Ankara, Turkey during May 4-8, 2016.
7. **Plenary Speaker** at the First BRICS-2017 conference on Mathematics, Beijing, China during August 21-25, 2017.
8. **Plenary Speaker** at the Indian Society of Probability and Statistics Annual conference held at Coimbatore, India during January 3-5, 2018.
9. **P.V. Sukhatme** endowed lecture at the annual meeting of the Indian Society of Probability and Statistics held at M.D. University, Rohtak on December 27-30, 2018.
10. **Key Note Speaker** at the RAMSA-2019 conference held at the Jiyajee Institute of Information Technology, Noida during January 17-19, 2019.
11. **Key Note Speaker** at the ISMSCON-2021 conference held at the Rajendra Institute of Medical Sciences, Ranchi during December 9-11, 2021.
12. **K. Viswanathan** endowed lecture at the ICASMA-2022 held at University of Madras, on January 24-25, 2022.

MEMBERSHIP IN SCIENTIFIC SOCIETIES :

1. Institute of Mathematical Statistics
2. American Statistical Association
3. Indian Science Congress (Life Member)
4. Indian Society of Probability and Statistics (Life Member)

5. National Academy of Sciences, India (Fellow, Life Member)
6. Royal Statistical Society, London (Fellow)
7. Indian International Statistical Association (Life Member)

M.TECH. THESIS GUIDED:

1. Basu, B, “A Study on ordered peaks in seismic damage analysis”, M. Tech Thesis Department of Civil Engineering, I.I.T. Kanpur, 1994 (jointly with Professor V. Gupta).
2. Rajat Kanodia, “Parameter estimation and model discrimination in single response models”, M. Tech Thesis Department of Chemical Engineering, I.I.T. Kanpur, 2001 (jointly with Professor M.S. Rao).
3. Dinesh Kumar Bolisetty, “Parameter estimation and model selection in single and multi response systems”, M. Tech Thesis Department of Chemical Engineering, I.I.T. Kanpur, 2004 (jointly with Professor M.S. Rao).
4. Hemangini Parmar, “Modelling drivers’ toll-lane choice behaviour using mixed logit model”, M. Tech Thesis Department of Civil Engineering, I.I.T. Kanpur, 2013 (jointly with Prof. P. Chakroborty).
5. Dhananjay Ram, “Parameter estimation for non-uniform speaker identification”, M. Tech Thesis Department of Electrical Engineering Department, I.I.T. Kanpur, 2013 (jointly with Prof. Rajesh Hegde).

PH.D. THESIS GUIDED/ IN PROGRESS

1. Mitra, A. “Estimating the Parameters of Signal Processing and Some Related Models”, I.I.T. Kanpur, 1996. (Currently a Professor at IIT Kanpur).
2. Sunderajan, S. “An Approach to Spatio-temporal Modeling of Some Meteorological Phenomena”, I.I.T. Kanpur, 1997. (Currently working in an industry).
3. Bhattacharya, P. “Aspects of Radial Basis Function Net Design with Application in Speech Recognition”, I.I.T. Kanpur, 1999. (Currently working in an industry).
4. Nandi, S. “Analysis of Some Non-Stationary Signal Processing Models”, I.I.T. Kanpur, 2002. (Currently an Associate Professor at ISI Delhi).

5. Singh, B.B. “Small Area Estimation”, I.I.T. Kanpur, 2003. (Currently Dy. Director at Indian Statistical Service).
6. Gupta, B. “Random geometric graphs on a class of densities with unbounded supports”, I.I.T. Kanpur 2008. (Currently an Assistant Professor at IIIT Jabbalpur).
7. Prasad, A. “Some Non-Linear Regression Models and their Applications in the Statistical Signal Processing”, I.I.T. Kanpur 2008. (Currently working in an industry).
8. Arabin Dey, “Discrimination among several distributions”, I.I.T. Kanpur 2010. (Currently an Associate Professor at IIT Guwahati).
9. Abhijit Joarder, “Analysis of progressively hybrid censoring data”, Meerut University, 2011. (Currently working in Reserve Bank of India).
10. Ananya Lahiri, “Estimators of parameters of chirp signals and their properties”, I.I.T. Kanpur, 2012. (Currently an Assistant Professor at IIT Tirupati).
11. Sabyasachi Patra, “Variable selection and estimation in presence of multicollinear and categorical variables”, I.I.T. Kanpur, 2012. (Currently an Assistant Professor at Indian Institute of Management Kashipore).
12. Ayon Ganguly, “Some contribution to the life testing models”, I.I.T. Kanpur 2013. (Currently an Assistant Professor at IIT Guwahati).
13. Arnab Koley, “Some contributions to exponential failure data modeling”, I.I.T. Kanpur, 2018. (Currently an Assistant Professor at IIM Indore).
14. Subhashree Mondal, “On joint type-II progressive censoring schemes”, I.I.T. Kanpur, 2019. (Currently an Assistant Professor at IIT Dhanbad).
15. Rhythm Grover, “Frequency and frequency rate estimation of some non-stationary signal processing models”, I.I.T. Kanpur, 2020, (Currently an Assistant Professor at IIT Guwahati).
16. Deepak Prajapati, “Decision theoretic sampling plans under different censoring schemes”, I.I.T. Kanpur, 2020 (Currently an Assistant Professor at IIT Mandi).
17. Ayan Pal, “On Failure Rate Based Accelerated Life Testing and Cure Based Models”, I.I.T. Kanpur, 2021, (Currently an Assistant Professor at the Burdwan University).
18. Kiran Prajapat, “Some Contributions to Reliability Sampling Plans and Statistical Inference for Non-regular Family of Distributions”, Submitted at I.I.T. Kanpur, Feb. 2022.

19. Abhinek Shukla, “Statistical Signal Processing”, in progress at IIT Kanpur.
20. Anajali Jain, “Statistical Signal Processing”, in progress at IIT Kanpur.
21. Sanjay Kumar, “Singular bivariate distribution”, in progress at IIT Kanpur.

POSTDOCTORAL CANDIDATE GUIDED:

1. Dr. Farha Sultana, 2019 - 2022. Currently at IIIT Guwahati.

CONFERENCES/ SEMINARS:

1. W.N. Tauxe, D. Kundu, P. Rezende, H.A. Klein, E.V. Dubovsky, P.R. Krishnaiah; “Optimization of the Plasma Sampling Times in the Estimation of ERPF”. Presented at IV International Congress World Federation of Nuclear Medicine and Biology, held at Buenos Aires, Argentina, Nov. 2-7, 1986.
2. W.N. Tauxe, D. Kundu, A. Bagchi, H.A. Klein, P.R. Krishnaiah, E.V. Dubovsky; “Optimization of Plasma Sampling Time in the Determination of Effective Renal Plasma Flow”, Presented at the 36th Annual Meeting of the Society of Nuclear Medicine held at Cervantes Convention Center, St. Louis, U.S.A, June 13-16, 1989.
3. W.N. Tauxe, D. Kundu, H.A. Klein; “Prior Triage of Adult Patients and Fragmentation of Reference Curves Lower Error of FF Estimation”, Presented at the 5th International Congress- World Federation of Nuclear Medicine and Biology held at Paris des Congress, Montreal, Canada, Aug. 26-31, 1990.
4. D. Kundu, “Estimating the Parameters of the Complex Valued Exponential Signals”, Presented at the Interface 90, held at the Michigan State Univ., U.S.A., May 1990.
5. D. Kundu, “Estimating the Number of Signals Using Cross Validation Approach”, Presented at the Indian Computing Congress Conference held at Hyderabad, India Dec. 1991.
6. D. Kundu, “A Modified Prony Algorithm for Damped or Undamped Exponential Signals”, Presented at the International Multivariate variate Conference held at I.S.I. N. Delhi, India Dec, 1992.
7. D. Kundu and R. Kundu, “Consistent Estimates of Superimposed Exponential Signals when Some Observations are Missing”, Presented at the International Conferences on Advances in Pattern Recognition and Digital Techniques held at I.S.I. Calcutta, India, 28-31 December 1993.

8. D. Kundu and A. Mitra, "Asymptotic Properties of the Least Squares Estimators of the Complex Valued Exponential Model", Presented at the International Conferences on Advances in Pattern Recognition and Digital Techniques held at I.S.I., India, 28-31 December, 1993.
9. D.Kundu and A. Mitra, "Asymptotic Properties of Some Non-Linear Time Series Regression Model", Presented at the Statistics Section of the 82nd. Indian Science Congress Conference held at Calcutta, 3-10 January, 1995.
10. N. Kannan, D. Kundu and A. Mitra, "Estimating DOA of Signals", Presented at the International Conference on Signal Processing and Communication held at The Indian Institute of Science, 9-12 August, 1995.
11. D. Kundu and A. Mitra, "Fitting Sum of Exponentials to Equispaced Data", presented at the Workshop "Inference on Non-Standard Data", held at Chandigarh University, 9-12 January, 1996. (Invited Lecture).
12. D. Kundu, "Importance of Science and Technology in The National Development", Presented at the 84th. Indian Science Congress, Held at New Delhi, January, 1997 (Invited Lecture).
13. D. Kundu, "Asymptotic Properties of the Least Squares Estimators of Sinusoidal Signals", Presented at the International Conference on Signal Processing and Communications, Held at I.I.Sc. Bangalore, 1997.
14. D. Kundu, "Estimating the Number of Sinusoids in Additive White Noise", Presented at the Canadian Statistical Association Conference, held at Fredericton, Canada, June 1-4, 1997.
15. D. Kundu, "On the determination of the number of signals and its performance analysis in presence of white noise", Presented at the International Conference on Signal Processing and Communications, I.I.Sc. Bangalore July 1999.
16. Swagata Nandi and D. Kundu, "Two dimensional frequency estimation", Presented at the International conference on Signal Processing and Communications, I.I.Sc. Bangalore, July 1999.
17. Swagata Nandi and Debasis Kundu, "Determination of Discrete Spectrum in a Stationary Random Field", Presented at the International Conference, *Reflections on the Past and Visions for the Future*, held at University of Texas San Antonio, March 2000. (Invited Lecture).

18. Debasis Kundu and Swagata Nandi, "Estimating the number of components in a two dimensional model", Presented at the International Conference, *International Symposium on Advances in Statistical Methods and Applications*, held at the University of Madras, December 21-22, 2000, (Invited Lecture).
19. Debasis Kundu, N. Kannan and N. Balakrishnan, "Analysis of Progressively Censored Competing Risks Data", *Indian Science Congress*, held at the University of Lucknow, January 4-7, 2002, (Featured Speaker).
20. Debasis Kundu and Swagata Nandi, "Asymptotic Properties of the Least Squares Estimators of the Parameters of the Chirp Signals", *IISA Fourth Biennial International Conference on Statistics, Probability and Related Areas*, held at the Northern Illinois University, DeKalb during June 14-16, 2002, (Invited Speaker).
21. Debasis Kundu, Nandini Kannan and N. Balakrishnan, "Analysis of Hybrid Censored Competing Risks Data", *International Conference on Recent Developments in Theoretical and Applied Statistics*, held at the University of Tamsui, Taiwan, during December 15-16, 2003, (Invited Speaker).
22. Debasis Kundu and N. Balakrishnan, "Analysis of new Step-Stress model", *One Day Conference in Recent Developments in Statistics*, held at the McMaster University, Canada, July 11, 2004, (Invited Speaker).
23. Debasis Kundu, "Analysis of partially complete time and type of failure data", *Conference in Reliability Analysis*, held at Indian Statistical Institute New Delhi, Dec 20-22, 2005, (invited speaker).
24. Debasis Kundu and R.D. Gupta, "Generalized exponential distribution", *Indo-Chinese conference on Probability and Statistics*, held at Indian Statistical Institute Kolkata, Jan 4-6, 2006, (invited speaker).
25. Debasis Kundu, "Step-Stress Model", *National Conference on Lifetime Data*, held at Cochin University of Science and Technology, Feb 20-22, 2006, (invited speaker).
26. Debasis Kundu, "Experimental Error", *REACH Symposium* held at Trimber Trail by IIT Kanpur, Mar 7-10, 2007, (invited speaker).
27. Debasis Kundu, "Bayesian inference and reliability sampling plan for Weibull distribution", *Platinum Jubilee Conference at the Indian Statistical Institute on Recent Advances in Statistics*, held at the Indian Statistical Institute, Kolkata, January 1 - 4, 2008.

28. Debasis Kundu, "On Progressive Censoring", *National Conference on Statistics*, held at University of Jammu, Feb 22 - 23, 2008.
29. Debasis Kundu, "Bivariate Generalized Exponential Distribution", Presented at Indian Statistical Institute, New Delhi, Sept. 15, 2008.
30. Debasis Kundu, "Reliability Sampling Plan", Presented at Indian Statistical Institute, New Delhi, Sept. 16, 2008.
31. Debasis Kundu, "On hybrid censoring", Kuwait University, Dec. 2009.
32. Debasis Kundu, "On bivariate proportional reverse hazard model", Kuwait University, Dec. 2009.
33. Debasis Kundu, "On bivariate distribution", Cochin University of Science and Technology, Feb. 2011.
34. Debasis Kundu, "Texture Modeling", Cochin University of Science and Technology, Feb. 2011.
35. Debasis Kundu, "Random Numbers", Cochin University of Science and Technology, Feb. 2011.
36. Debasis Kundu, "On bivariate and multivariate generalized exponential distribution", University of Pune, May, 2012.
37. Debasis Kundu and Swagata Nandi, "Estimating Periodic Signals: 1 & 2, Presented at the National Workshop on Statistical Signal Processing and its Applications, Andhra University, August, 2012.
38. Debasis Kundu, "Bivariate Marshall-Olkin Weibull Distribution", Presented at the National Workshop on Reliability, Survival Analysis and Industrial Statistics, University of Pune, Nov. 2012.
39. Debasis Kundu, "Step-Stress Analysis", Presented at the National Workshop on Research Scholar Meet at the Indian Statistical Institute Kolkata, February 2013.
40. Debasis Kundu, "Analyzing Periodic Data: Statistical Perspectives", C.N.R. Rao Lecture at I.I.T. Kanpur, March 2013.
41. Debasis Kundu, "Step-Stress Model and Introduction", Presented at the Kuwait University, April, 2013.
42. Debasis Kundu, "Analysis of Partially Complete Time and Type of Failure Time Data", Presented at the Kuwait University, April, 2013.

43. Debasis Kundu, "Analysis of Incomplete Competing Risks Data", Presented at the University of Pune, November, 2013.
44. Debasis Kundu, "On bivariate Weibull-Geometric Distribution", Presented at the NIT Kozhimode, January 2014. (Special invited lecture)
45. Debasis Kundu, "On bivariate geometric Weibull and generalized exponential distribution", Presented at the two-day conference on research in statistical science: past, present and future in Sardar Patel University, Gujarat on February 21, 2014 as the key Note lecture.
46. Debasis Kundu, "Geometric skew-normal distribution", Presented at the 9th International Statistics Day Symposium on May 10 - 14, 2014, in Antalya, Turkey as a Plenary speaker.
47. Debasis Kundu, "Step-Stress Model: An Introduction", Presented at the National Workshop organized by ISI Chennai, on August 19, 2014.
48. Debasis Kundu, "Hybrid Censoring: An Introduction", Presented at the National Workshop organized by ISI Chennai, on August 19, 2014.
49. Debasis Kundu, "A Journey Beyond Normality", Presented at the National Workshop organized by ISI Chennai, on August 19, 2014.
50. Debasis Kundu, "Normal Distribution and its Extensions", Presented at NISER, Bhubaneswar, November 17, 2014.
51. Debasis Kundu, "Analyzing Periodic Signals: Some Statistical Challenges", Presented at NISER, Bhubaneswar, November 20, 2014.
52. Debasis Kundu, "Monte Carlo method and statistical computing: my personal experience", Presented at the National Workshop on Statistics and Information Technology for a Growing Nation organizes by ISI Chennai and S.V. University Tirupati, at tirupati on November 29, 2014.
53. Debasis Kundu, "Geometric skew normal distribution", Presented at the annual conference of Indian Society of Probability and Statistics held at S.V. Univeristy Tirupati on November 30, 2014.
54. Debasis Kundu, "On two different signal processing models", Presented at the Indo-Russian workshop held at Indian Statistical Institute, Delhi on January 15 to January 17, 2015.

55. Debasis Kundu, "Future of Statistics", Presented at the Lulea Technological University, Sweden on September 3rd, 2015.
56. Debasis Kundu, "A Journey beyond Normality", Presented at the Indian Institute of Information Technology, Allahabad on December 1, 2015.
57. Debasis Kundu, "Skew-Normal distribution", Presented at the Indian Institute of Management Udaipur, February 19, 2016.
58. Debasis Kundu, "Normal distribution and its extensions", Presented at the National Conference on Recent Statistical Computing Techniques and its Applications, Ramanujan College, Delhi, March 11 - March 12, 2016.
59. Debasis Kundu, "Multivariate geometric skew-normal distribution", Presented at the Two Days National Seminar on Statistics and its Applications, West Bengal State University, March 21 - March 22, 2016.
60. Debasis Kundu, "Normal distribution and beyond", Presented at the IRSYSC-2016 conference held at Hecettepe University, Ankara, Turkey during May 4-8, 2016.
61. Debasis Kundu, "On left truncated right censored competing risks data", Presented at the ISBIS-2016 conference held at Barcelona, Spain during June 8-10, 2016.
62. Debasis Kundu, "Random numbers: How random they are?", Presented at the Vijaywara Loyla College, Oct. 20th, 2016 in a INSPIRE program sponsored by Department of Science and Technology, Government of India for high school students.
63. Debasis Kundu, "Accelerated Life Testing: Introduction and Preliminaries", Presented at the International workshop on Reliability Theory and Survival Analysis, Nov. 3rd, 2016, held at the Pune University, India.
64. Debasis Kundu, "Accelerated Life Testing: Different Models", Presented at the International workshop on Reliability Theory and Survival Analysis, Nov. 4th, 2016, held at the Pune University, India.
65. Debasis Kundu, "Accelerated Life Testing: Miscellaneous Topics", Presented at the International workshop on Reliability Theory and Survival Analysis, Nov. 5th, 2016, held at the Pune University.
66. Debasis Kundu, "Multivariate geometric normal distribution", Presented at the Department of Mathematics and Statistics, University of Tanta, Egypt on 17th. December, 2016.

67. Debasis Kundu, "Two important signal processing models", Presented at the Department of Mathematics and Statistics, University of Tanta, Egypt on 18th. December, 2016.
68. Debasis Kundu, "Analyzing competing risks data", Presented at the Department of Mathematics and Statistics, University of Tanta, Egypt on 19th. December, 2016.
69. Debasis Kundu, "Step-Stress models", Presented at the International Conference of Mathematics, Statistics and Information Technology, held at the Department of Mathematics and Statistics, University of Tanta, Egypt during 20th-22nd December, 2016.
70. Shuvashree Mondal and Debasis Kundu, "Balanced Joint Progressive Censoring Scheme", Presented at the MMR-2017 conference held at Grenobble, France during 3rd-6th July, 2017.
71. Debasis Kundu, "Multivariate geometric skew-normal distribution", Presented at the First BRICS-2017 conference in Mathematics held at Beijing, China during August 21-25, 2017.
72. Debasis Kundu, "Bivariate generalized exponential distribution", Presented at a national conference in Statistics at the University of Trivandrum on Dec. 14, 2017.
73. Debasis Kundu, "Bir nabum-Saunders Distribution: Some recent developments", Plenary lecture at the ISPS conference held at University of Coimbatore during January 3-5, 2018.
74. Debasis Kundu, "Bivariate distributions with singular component", One of the main speakers at Statquest held at the University of Kolkata, March 14, 2018.
75. Debasis Kundu, "Normal distribution: its use and its extensions", One of the main speakers at the National One Day Conference on the Applications of Mathematics in Biotechnology, held at the Ramanada College, Bishnupur, West Bengal, March 28, 2018.
76. Debasis Kundu, "Random numbers; how to generate and their uses", One of the main speakers at the short term training programme on Mathematical Modelling and Statistical Techniques organized by The department of Mathematics, SLIET, Longowal, Punjab from 30th July - 3rd Aug., 2018.
77. Debasis Kundu, "Reliability: a need of the day", One of the main speakers at the short term training programme on Mathematical Modelling and Statistical Techniques organized by The department of Mathematics, SLIET, Longowal, Punjab from 30th July - 3rd Aug., 2018.

78. Debasis Kundu, “Statistical Signal Processing”, One of the main speakers at the short term training programme on Mathematical Modelling and Statistical Techniques organized by The department of Mathematics, SLIET, Longowal, Punjab from 30th July - 3rd Aug., 2018.
79. Debasis Kundu, “Skew-normal regression model”, University of Colombo, March 21, 2019.
80. Debasis Kundu, “Bivariate Joint Progressive Scheme”, Invited Speaker, City University of Hong Kong, MMR-2019, June 3-7, 2019.
81. Debasis Kundu, “Accelerated Life-Testing Models”, One of the main speakers at the short term programme on Reliability Analysis organized by the DRDO, Chandigarh, from July 15-17, 2019.
82. Debasis Kundu, “Symmetric geometric skew normal regression model”, Invited speaker, at the conference on Current Trend in Survey Statistics held at the National University of Singapore, August 13-16, 2019.
83. Debasis Kundu, “Professor C.R. Rao’s contribution in Statistics Signal Processing and its Implications”, Invited Speaker at the Birth Centenary of Professor C.R. Rao organized by the Indian Academy of Science in Bangalore, December 12-13, 2019.

EDITORIAL ACTIVITIES

1. Associate Editor of *Communications in Statistics-Theory & Methods*, Taylor and Francis, 2005 -
2. Associate Editor of *Communications in Statistics-Simulation & Computation*, Taylor and Francis, 2005 -
3. Associate Editor of *Journal of Statistical Theory and Practice*, Taylor and Francis, 2011 -
4. Associate Editor of *Journal of Statistical Distributions and its Applications*, Springer, 2012 -
5. Associate Editor of *Sankhya, Series B*, Springer, 2015 -
6. Associate Editor of *IEEE Transactions on Reliability*, 2017 -
7. Editor-in-Chief of *Journal of the Indian Society of Probability and Statistics*, Springer, 2017 -

BOOK:

1. *Statistical Computing; Existing Methods and Recent Developments*, eds. D. Kundu and A. Basu, Narosa, New Delhi, 2004.
2. *Statistical Signal Processing: Frequency Estimation*, D. Kundu and S. Nandi, Springer, New Delhi, ISBN 978-81-322-0627-9, 2012, MR3012502.
3. *Analysis of Step-Stress Models: Existing Results and Some Recent Developments*, D Kundu and A. Ganguly, Academic Press, London, ISBN: 9780128097137, 2017, MR3676749.
4. *Statistical Signal Processing: Frequency Estimation*, 2nd-Edition, S. Nandi and D. Kundu, Springer, Singapore, ISBN 978-981-15-6280-8, 2020.

BOOK CHAPTER:

1. R. N. Sengupta and D. Kundu, "Statistical Methods", Chapter 8, *Decision Sciences; Theory and Practice*, Eds. R.N. Sengupta, A. Gupta and J. Dutta, CRC Press, ISBN 9781466564305, 2016.
2. (with Rhythm Grover and Swagata Nandi), "A review of chirp and some other related signal processing models", *Advances in Signal Processing: Reviews*, Vol. 2, Editor: Sergey Y. Yurish, IFSA Publishing, S.L. Barcelona, Spain. (to appear).

RESEARCH PUBLICATIONS IN REFERRED JOURNALS:

DISCUSSION PAPER

1. (with N. Balakrishnan) "Hybrid censoring: models, inferential results and applications", (with discussions), *Computational Statistics and Data Analysis*, vol. 57, no. 1, 166 - 209, 2013.
2. (with N. Balakrishnan) "Birnbaum-Saunders Distribution: A Review of Models, Analysis and Applications", (with discussions), *Applied Stochastic Models in Business and Industry*, (to appear). vol. 35, no. 1, 4 - 132, 2019.

COMPLETE LIST OF PUBLICATIONS:

1. (with W.N. Tauxe & H.A. Klein) "Clinical Evaluation of Filtration Fraction : Multivariate Statistical Analysis", *Contribution to Nephrology*, vol. 79, 58-62, 1990.
2. (with B.R. Rao & S.Talwalkar) "Confidence Intervals for the Relative Relapse Rate of Placebo vs. 6-Mercaptopurine Group of Acute Leukemia Patients Under a Random Censorship Model", *Biometrical Journal*, vol. 33, no. 5, 579-598, 1991.
3. (with B.R. Rao & S.Talwalkar) "Confidence Intervals for the Relative Risk Ratio Parameter from Survival Data Under a Random Epidemiology Studies", *Biometrical Journal*, vol. 33 no. 8, 959-984, 1991.
4. "Asymptotic Properties of the Complex Valued Non-Linear Regression Model", *Communications in Statistics - Theory and Methods*, vol 20, no. 12, 3793- 3803, 1991. (MR No. 93e: 62111)
5. (with N. Kannan and M. Mazumdar) "Inference on Risk Rates Based on Mortality Data Under Censoring and Competing Risks Using Parametric Models", *Biometrical Journal*, vol. 34, no.3, 315-328, 1992.
6. "Estimating the Number of Signals Using Information Theoretic Criterion", *Journal of Statistical Computation and Simulation*, vol. 44, 117-131, 1992.
7. "Estimating the Parameters of Undamped Exponential Signals", *Technometrics*, vol. 35, no. 2, 215 - 218, 1993. (MR No. 94b: 62056)
8. "Asymptotic Theory of Least Squares Estimator of a Particular Non Linear Regression Model", *Statistics and Probability Letters*, vol. 18, no. 1, 13-17, 1993. (MR No. 94c: 62095)
9. (with A. Mitra, N. Mishra and I. D. Dhariyal) "Estimating the Ratio of the Smaller and the Larger of the two Uniform Scale Parameters", *Journal of Statistical Computation and Simulation*, vol. 50, 197-211, 1994,
10. (with N. Kannan) "On Modified EVLP and *ML* Methods for Estimating Superimposed Exponential Signals", *Signal Processing*, vol. 39, no. 3, 223-233, 1994.
11. "Estimating the Parameters of Damped Exponential Signals", *Computational Statistics and Data Analysis*, vol 18, no. 5, 525-536, 1994.
12. "A Modified Prony Algorithm for Damped or Undamped Exponential Signals", *Sankhya, Ser A.*, vol. 56, no. 3, 524- 544, 1994.

13. "Consistency of the Undamped Exponential Signals Model on a Restricted Parameter Space", *Communications in Statistics - Theory and Methods*, vol. 24, no. 1, 241-251, 1995. (MR No. 95k: 62235)
14. (with R. Kundu) "Consistent Estimates of Super Imposed Exponential Signals When Some Observations are Missing: *Journal of Statistical Planning and Inference*, vol 44, 205 - 218, 1995. (MR No. 96a: 62029)
15. (with A. Mitra) "Consistent Method of Estimating the Superimposed Exponential Signals", *Scandinavian Journal of Statistics*, vol. 22, no. 1, 73-82, 1995. (MR No. 96g:62173)
16. "Small Sample Properties of Some Parametric and Non Parametric Methods for Detection of Signals by Monte Carlo Simulation", *IEEE-Part F, Vision, Image and Signal Processing*, Vol. 142, No. 3, 181-186, 1995.
17. (with A. Mitra) "Estimating the Parameters of Damped Exponential Signals; A Non-Iterative Approach", *Signal Processing*, vol. 46, no. 3, 363-368, 1995.
18. "A Modified MUSIC Algorithm to Estimate the DOA of Signals", *Signal Processing*, vol. 48, no. 1, 85-90, 1996.
19. (with A. Mitra) "Asymptotic theory of Least Squares Estimates of a Non-Linear Time Series Regression Model", *Communications in Statistics - Theory and Methods*, vol. 25, no. 1, 133 - 141, 1996. (MR No. 96k: 62262)
20. (with A. Mitra) "Asymptotic Properties of the Least Squares Estimates of 2-D Exponential Signals", *Multidimensional Systems and Signal Processing*, vol. 7, no. 2, 135 - 150, 1996. (MR No. 97f: 62140)
21. "A Note on the Consistency of the Undamped Exponential Signals Model", *Statistics*, vol. 28, no. 1, 25-33, 1996. (MR No. 98b: 62116)
22. (with Z.D. Bai and A. Mitra) "A Theorem in Probability and its Applications in Multidimensional Signal Processing", *IEEE Trans. on Signal Processing*, vol. 44, no. 12, 3167 - 3169, 1996.
23. (with B. Basu and V. Gupta) "Order Peak Statistics through Digital Simulation", *Earthquake Engineering and Structural Dynamics*, vol. 25, 1061-1073, 1996.
24. (with G. Murali) "Model Selection in Linear Regression", *Computational Statistics and Data Analysis*, vol. 22, 461-469, 1996.

25. (with B. Basu and V. Gupta) “ A Markovian Approach to Ordered Peak Statistics”, *Earthquake Engineering and Structural Dynamics*, vol. 25, 1335-1351, 1996.
26. (with N. Kannan) “Constrained Maximum Likelihood Estimates for Superimposed Exponential Signals”, *Communications in Statistics - Simulation and Computation*, vol. 26, no. 2, 733-764, 1997. (MR No. 98g: 62182)
27. “Estimating the Number of Sinusoids in Additive White Noise”, *Signal Processing*, Vol. 56, 103-110, 1997.
28. (with A. Mitra) “Consistent Methods of Estimating Sinusoidal Frequencies; A Non Iterative Approach”, *Journal of Statistical Computation and Simulation* , Vol. 58, 171-194, 1997.
29. “Asymptotic Theory of the Least Squares Estimators of Sinusoidal Signals”, *Statistics*, vol. 30, 221-238, 1997. (MR No. 99c: 62172)
30. “Estimating the Number of Sinusoids and the Performance Analysis”, *Journal of Statistical Computation and Simulation*, vol. 60, no. 4, 347-362, 1998.
31. “Estimating the Parameters of the Linear Compartment Models”, *Journal of Statistical Planning and Inference*, vol. 70, no. 2, 317-334, 1998.
32. (with A. Mitra) “Different Methods of Estimating Sinusoidal Frequencies: A Numerical Comparison”, *Journal of Statistical Computation and Simulation*, vol. 62, no. 1, 9-28, 1998. (MR No. 99k: 62170)
33. (with R.D. Gupta) “Asymptotic Properties of the Least Squares Estimators of a Two Dimensional Texture Model”, *Metrika*, vol. 48, no. 2, 83-97, 1998. (MR No. 2000e:62066)
34. (With R.D. Gupta) “Hybrid Censoring Schemes with Exponential Failure Distribution”, *Communications in Statistics - Theory and Methods*, vol. 27, no. 12, 3065-3083, 1998.
35. (with A. Mitra) “Fitting A Sum of Exponentials when the Data are Equispaced”, *Sankhya Ser. B*, vol. 60, no. 3, 448-463, 1998..
36. (with A. Mitra) “On Asymptotic Properties and Confidence Intervals for Exponential Signals”, *Signal Processing*, vol. 72, no. 2, 129-139, 1999.
37. “Estimating DOA of Signals; Some Asymptotic Results”, *Sankhya, Ser. A*, vol. 61, no. 1, 120-138, 1999. (MR No. 2000i:62032)

38. (with R.D. Gupta) "Generalized Exponential Distributions", *Australian and New Zealand Journal of Statistics*, vol. 41, no. 2, 173-188, 1999.
39. (With R.D. Gupta) "Feasibility of the Method of Moment Estimators", *International Journal of Mathematical and Statistical Sciences*, vol. 8, no. 1, 63-77, 1999. (MR No. 2000g:62050)
40. (with Z.D. Bai and A. Mitra) "A Note on the consistency of the Multidimensional Exponential Signals", *Sankhya, Ser A.*, vol. 61, no. 2, 270-275, 1999. (MR No. 2000e:62018)
41. (with S. Nandi) "Least squares estimators in a stationary random field", *Journal of Indian Institute of Science* (Invited paper), Mar-Apr, vol. 79, 75-88, 1999.
42. (with A. Mitra) "Detecting the number of signals using cross validation approach", *Signal Processing*, vol. 80, no. 3, 525-534, 2000.
43. (with S. Basu) "Analysis of Competing Risks Models in Presence of Incomplete Data", *Journal of Statistical Planning and Inference*, vol. 87, no. 2, 221-239, 2000.
44. "Estimating the number of signals in the presence of white noise", *Journal of Statistical Planning and Inference*, vol. 90, no. 1, 57-68, 2000.
45. (With A. Mitra) Asymptotic Theory of the Least Squares Estimator of Superimposed Exponential Signals", *American Journal of Mathematical and Management Sciences*, vol. 20, no. 3 & 4, 345-365, 2000. (MR No. 2001m:62102)
46. (With R.D. Gupta) "Asymptotic Behavior of the Least Squares Estimators of Superimposed Exponential Signals in Presence of stationary Noise", *American Journal of Mathematical and Management Sciences*, vol. 20, no. 3 & 4, 367-385, 2000. (MR No. 2001m:62103)
47. (with R.D. Gupta) "Exponentiated Exponential Family; An Alternative to Gamma and Weibull", *Biometrical Journal*, vol. 43, no. 1, 117-130, 2001.
48. "Estimating the Number of Signals of the Damped Exponential Models", *Computational Statistics and Data Analysis*, vol. 36, no. 2, 245-256, 2001.
49. (with S. Nandi) "Some comments on "Complex AM signal model for non-stationary signals by Sircar and Syali", *Signal Processing*, vol. 81, no. 5, 1089-1094, 2001.
50. (with N. Kannan) "Estimating parameters of the damped exponential models", *Signal Processing*, vol. 81, no. 11, 2343-2351, 2001.

51. (with R.D. Gupta) "Generalized Exponential Distributions: Different Methods of Estimation", *Journal of Statistical Computation and Simulation*. vol. 69, no. 4, 315-338, 2001.
52. (with Swagata Nandi) "On Asymptotic Properties of a Two Dimensional Frequency Estimators", *Communications in Statistics - Theory and Methods*, vol. 30, no. 8-9, 1561-1577, 2001. (MR No. 2002k:62298)
53. (with P. Chowdhuri and N. Misra) "Likelihood Ratio Test for Testing Simultaneously the Mean and Variance of a Normal Distribution", *Journal of Statistical Computation and Simulation*, vol. 71, no. 4, 313-334, 2001. (MR No. 2002k:62037)
54. (with N. Bansal) "Poisson Regression with Sinusoidal Model", *Communications in Statistics - Theory and Methods*, vol. 31, no. 7., 1123-1136, 2002. (MR No. 2003e:62115)
55. "Estimating Parameters of Sinusoidal Frequency; Some Recent Developments", *National Academy of Sciences Letters, India*, vol. 25, no. 3 & 4, 53-73, 2002.
56. (with N. Misra and I.D. Dhariyal) "Natural Estimators for the larger of two exponential location parameters with a common unknown scale parameter", *Statistics and Decision*, vol. 20, no. 1, 67-80, 2002. (MR no. 2003d:62073)
57. (with N. Misra, P.K. Chowdhuri, I.D. Dhariyal) "Smooth estimators for estimating order restricted scale parameters of two gamma distributions", *Metrika*, vol. 56, no. 2, 143-162, 2002. (MR No.2003i:62051)
58. (with S. Nandi and S. Iyer) "Estimating the Frequencies in Presence of Heavy Tail Errors", *Statistics and Probability Letters*, vol. 58, no. 3, 265-282, 2002. (2004f:62171)
59. (with S. Nandi) , "Complex AM Model for Analyzing Non-Stationary Speech Signals", *Calcutta Statistical Association Bulletin*, vol. 52, no. 205-208, 349-370, 2002. (2004d:62108)
60. (with R.D. Gupta) "Generalized exponential distributions: Statistical Inferences", *Journal of Statistical Theory and Applications*, vol. 1 no. 1, 101-118, 2002. (2003m:62069)
61. (with R.D. Gupta and A. Manglick) "Probability of Correct Selection of Gamma versus GE or Weibull versus GE Models Based on Likelihood Ratio Test", *Recent Advances in Statistical Methods*, Editor Y. P. Chaubey, Publisher World Scientific Publishing Company Inc., London, 147 - 156, 2002.
62. (with Z.D. Bai, C.R. Rao and M. Chow) "An efficient algorithm for estimating the parameters of superimposed exponential signals", *Journal of Statistical Planning and Inference*, vol. 110, no. 1-2, 23-34, 2003. (MR no. 2003k:62062)

63. (with R.D. Gupta) “Discriminating Between the Weibull and the GE Distributions”, *Computational Statistics and Data Analysis*, vol. 43, 179-196, 2003.
64. (with S. Nandi) “Estimating the Number of Components by a Data Independent Penalty Function Approach”, *Journal of Statistical Planning and Inference*, vol. 116, no. 2, 437-450, 2003. (MR no. 2004f:62067)
65. (with H.K.T. Ng and N. Balakrishnan) “Modified Moment Estimators for the Two-Parameter Birnbaum-Saunders Distributions”, *Computational Statistics and Data Analysis*, vol. 43, 283-298, 2003. (MR no. 2004e:62047)
66. (with A. Childs, B. Chandrasekhar, N. Balakrishnan), “Exact Likelihood Inference Based on Type-I and Type-II Hybrid Censored Samples from the Exponential Distribution”, *Annals of the Institute of Statistical Mathematics*, vol. 55, no. 2, 319-330, 2003. (MR no. 2004g:62168)
67. (with S. Nandi) “Determination of Discrete Spectrum in a Stationary Random Field”, *Statistica Neerlandica*, vol. 57, no. 2, 258-184, 2003. (MR no. 2005c:62147)
68. (with S.S. Basu) “Analysis of Incomplete Data in Presence of Dependent competing Risks”, *Recent Advances in Statistics and Probability*, Editors: N. Balakrishnan, N. Kannan and M.R. Srinivasan, Narosa, New Delhi, 313-322, 2003.
69. (with R.D. Gupta) “Closeness of Gamma and Generalized Exponential Distribution”, *Communications in Statistics - Theory and Methods*, vol. 32, no. 4, 705-721, 2003.
70. (with S. Nandi) “Estimating the Parameter of the Fundamental Frequency Model”, *Statistical Methods and Applications*, vol. 12, no. 3, 341-360, 2003. (MR no. 2005c:62043)
71. (with R.D. Gupta) “Discriminating Between Gamma and generalized exponential Distributions”, *Journal of Statistical Computation and Simulation*, vol. 74, no. 2, 107-121, 2004. (MR no. 2004k:62054)
72. (with N. Kannan) “Statistical Signal Processing”, *Encyclopedia of Statistical Sciences*, 2-nd edition, 2004, Wiley and Sons, New York.
73. (with N. Kannan and N. Balakrishnan) “Analysis of Progressively Censored Competing Risks Data”, *Handbook of Statistics on Survival Analysis*, vol. 23, chapter 18, Editors: C.R. Rao and N. Balakrishnan, Elsevier Publications, 331-348, 2004. (2005e:62131)
74. (with A. Manglick) “Discriminating between the Weibull and Log-Normal distributions”, *Naval Research Logistics*, vol. 51, no. 6, 893 - 905, 2004. (MR no. 2005b:62033)

75. (with S. Nandi and S.K. Iyer) "Amplitude Modulated Signal Model for Analyzing Non-Stationary Speech Data", *Statistics*, vol. 38, no. 5, 439 - 456, 2004. (MR no. 2006d:62080)
76. (with S. Nandi) "A note on estimating the parameters of fundamental frequency model", *Signal Processing*, vol. 84, 653-661, 2004.
77. (with R.D. Gupta) "Characterization of the (reversed) hazard rate distributions", *Communications in Statistics - Theory and Methods, Special issue on Characterizations*, vol. 33, no. 12, 3095-3102, 2004. (MR no. 2005f:62029)
78. "Parameter Estimation of the Partially Complete Time and Type of Failure Data", *Biometrical Journal*, vol. 46, no. 2, 165-179, 2004.
79. (with S. Nandi) "Asymptotic properties of the least squares estimators of the parameters of the Chirp signals", *Annals of the Institute of Statistical Mathematics*, vol. 56, no. 3, 529 - 544, 2004. (MR no. 2005h:62090)
80. "Computational aspects in statistical signal processing", *Statistical Computing; Existing Methods and Recent Developments*, eds. D. Kundu and A. Basu, Narosa, New Delhi, 371-393, 2004.
81. "A note on the asymptotic properties of the least squares estimators of the parameters of the multidimensional exponential signals", *Sankhya*, vol. 66, no. 3, 528 - 535, 2004
82. "Exponentiated exponential distribution", *Encyclopedia in Statistics*, 2-nd edition, 2004, Wiley and Sons, New York.
83. (with Anubhav Manglick) "Discriminating Between the Gamma and Log-normal Distributions", *Journal of the Applied Statistical Sciences*, vol. 14, no. 1 & 2, 175 - 187, 2005.
84. (with R.D. Gupta) "Estimation of $P(Y < X)$ for Generalized exponential distribution", *Metrika*, vol. 61, no. 3, 291-308, 2005.
85. (with M.Z. Raqab) "Generalized Exponential Distributions: Different Methods of Estimations", *Computational Statistics and Data Analysis*, vol. 49, 187-200, 2005.
86. "Discriminating between the normal and Laplace distributions", *Advances in Ranking and Selection, Multiple Comparisons, and Reliability*, eds. N. Balakrishnan, H.N. Nagaraja and N. Kannan, Birkhäuser, Boston, 65-78, 2005.
87. (with S. Nandi) "Estimating the number of components of the fundamental frequency model", *Journal of the Japan Statistical Society*, vol. 35, no. 1, 41-59, 2005.

88. (with R.D. Gupta and A. Manglick) “Discriminating Between the Log-Normal and Generalized Exponential Distribution”, *Journal of the Statistical Planning and Inference*, vol. 127, 213-227, 2005. (MR no. 2006a:62026)
89. (with M.Z. Raqab), “Comparing different estimators of $P(X < Y)$ for a Burr Type X distribution”, *Communications in Statistics - Simulation and Computation*, vol. 34, no. 2, 465-483, 2005.
90. (with D.T. Shirke and R.R. Kumbhar), “Tolerance intervals for exponentiated scale family of distributions”, *Journal of Applied Statistics*, vol. 32, no. 10, 1067-1074, 2005.
91. (with B.B. Singh, G.K. Shukla), “Spatio-Temporal Models in Small Area Estimation”, *Survey Methodology*, vol. 31, no. 2, 183-195, 2005.
92. (with R.D. Gupta and Anubhav Manglick), “A convenient way of generating normal random variables using generalized exponential distribution”, *Journal of Modern Applied Statistical Methods*, vol. 5, no. 1, 300-306, 2006.
93. (with S. Nandi), “Analyzing non-stationary signals using generalized multiple fundamental frequency model”, *Journal of the Statistical Planning and Inference*, vol. 136, 3871 - 3903, 2006.
94. (with A. Joarder), “Analysis of Type-II progressively hybrid censored data”, *Computational Statistics and Data Analysis*, vol. 50, no. 10, 2509 - 2528, 2006.
95. (with H.K.T. Ng and N. Balakrishnan), “Point and interval estimations for the two-parameter Birnbaum Saunders distribution”, *Computational Statistics and Data Analysis*, vol. 50, no. 11, 3222 - 3242, 2006.
96. (with S. Nandi), “On discrete domain multidimensional Sinusoidal models”, *Statistics*, vol. 40, no. 2, 129-147, 2006.
97. (with A. Joarder), “Analysis of Type-II progressively hybrid censored competing risks data”, *Journal of Modern Applied Statistical Methods*, vol. 5, no. 1, 186-204, 2006.
98. (with A. Mitra and Gunjan Agarwal), “Frequency estimation of undamped exponential signals using genetic algorithm”, *Computational Statistics and Data Analysis*, vol. 51, 1965-1985, 2006.
99. (with Ammar Sarhan) “Analysis of incomplete data in presence of competing risks among several groups”, *IEEE Transactions on Reliability*, vol. 55, no. 2, 262 - 269, 2006.

100. (with R.D. Gupta), "Estimation of $P(Y < X)$ for Weibull distribution", *IEEE Transactions on Reliability*, vol. 55, no. 2, 270- 280, 2006.
101. (with S. Nandi), "Fast and efficient algorithm for estimating the frequencies of sinusoidal signals", *Sankhya*, vol. 68, no. 2, 283-306, 2006.
102. (with M.Z. Raqab), "Burr type X distribution: revisited", *Journal of Probability and Statistical Sciences*, vol. 4, no. 2, 179-193, 2006.
103. (with R.D. Gupta) "On the comparison of Fisher Information of the Weibull and GE distributions", *Journal of the Statistical Planning and Inference*, vol. 136, no. 9, 3130 - 3144, 2006.
104. (with N. Balakrishnan, H.K.T. Ng and D. Kundu), "Point and interval estimation for a simple step-stress model with type-II censoring", *Journal of Quality Technology*, vol. 39, no. 1, 35 - 47, 2007.
105. (with R.D. Gupta), "Analysis of hybrid life-tests in presence of competing risks", *Metrika*, vol. 65, 159-170, 2007, MR2288055.
106. "On hybrid censored Weibull distribution", *Journal of the Statistical Planning and Inference*, vol. 137, 2127-2142, 2007, MR2325420.
107. (with R.D. Gupta), "A convenient way of generating gamma random variables", *Computational Statistics and Data Analysis*, vol. 51, 2796-2802, 2007, MR2345608.
108. (with M.Z. Raqab), "Discriminating between the Log-Normal and Generalized Rayleigh Distributions", *Statistics*, vol. 41, no. 6, 505 - 515, 2007, MR2395055.
109. " Comments on: Progressive Censoring Methodology: An appraisal by N. Balakrishnan," *TEST*, vol. 17, 276-278, 2007, MR2393651.
110. (with R.D. Gupta), "Generalized exponential distribution: existing methods and recent developments", *Journal of the Statistical Planning and Inference*, vol. 137, 3537 - 3547, 2007, MR2363275.
111. (with Swagata Nandi), "Estimating the parameters of chirp signals in stationary noise", *Statistica Sinica*, vol. 18, no. 1, 187 - 201, 2008, MR2384984.
112. (with S.K. Iyer and S.R. Jammalamadaka), "Analyzing middle censored data with exponential lifetime distributions", *Journal of Statistical Planning and Inference*, vol. 138, 3550 - 3560, 2008, MR2450095.

113. (with S. Mitra), "Analysis of the left censored data from the generalized exponential distribution", *Journal of Statistical Computation and Simulation*, vol. 78, no. 7, 669 - 679, 2008, MR2528229.
114. (with A. Prasad and A. Mitra), "Sequential estimation of the sum of sinusoidal model parameters", *Journal of Statistical Planning and Inference*, vol. 138, no. 5, 1297 - 1313, 2008, MR2388012.
115. (with A. Sarhan), "Bayes estimators for reliability measures in geometric distribution model using masked system life test data", *Computational Statistics and Data Analysis*, vol. 52, 1821-1836, 2008, MR2418473.
116. (with R.D. Gupta), "Generalized exponential distribution; Bayesian Estimation", *Computational Statistics and Data Analysis*, vol. 52, 1873-1883, 2008, MR2418477.
117. "Bayesian inference and reliability sampling plan for Weibull distribution", *Technometrics*, vol. 50, no. 2, 144 - 154, 2008, MR2439875.
118. (with A. Banerjee), "Inference based on Type-II hybrid censored data from Weibull distribution", *IEEE Transactions on Reliability*, vol. 57, no. 2, 369 - 378, 2008.
119. (with N. Kannan and N. Balakrishnan), "On the hazard function of Birnbaum-Saunders distribution and associated inference", *Computational Statistics and Data Analysis*, vol. 52, 2692 - 2702, 2008, MR2419535.
120. (with M.Z. Raqab and M.T. Madi), "Estimation of $P(Y < X)$ for 3-parameter generalized exponential distribution", *Communications in Statistics - Theory and Methods*, vol. 37, no. 18, 2854 - 2864, 2008, MR2467737.
121. (with C.S. Kakade and D.T. Shirke) "Inference for $P(Y < X)$ in Exponentiated Gumbel Distribution", *Journal of Statistics and Applications*, vol. 3, no. 1-2, 121 - 133, 2008.
122. (with Anurag Prasad), "Modeling and estimation of symmetric color textures", *Sankhya, Series B*, vol. 71, no. 1, 30 - 54, 2009, MR2599996.
123. (with N. Balakrishnan and Q. Xie), "Exact inference for a simple step-stress model from the exponential distribution under time constraint", *Annals of the Institute of Statistical Mathematics*, vol. 61, 251 - 274, 2009, MR2481037.
124. (with Biswabrata Pradhan) "Estimating the parameters of the generalized exponential distribution in presence of hybrid censoring", *Communications in Statistics - Theory and Methods*, vol. 38, no. 12, 2030 - 2041, 2009, MR2552982.

125. (with Ammar Sarhan) "Generalized linear failure rate distribution", *Communications in Statistics - Theory and Methods*, . vol. 38, no. 5, 642 - 660, 2009, MR2510811.
126. (with R.D. Gupta) "Bivariate generalized exponential distribution" *Journal of Multivariate Analysis*, vol. 100, no. 4, 581 - 593, 2009, MR2478183.
127. (with R.D. Gupta) " A new class of weights exponential distributions", *Statistics*, vol. 43, no. 6, 621 - 634, 2009, MR2588273.
128. (with Arabin Kumar Dey) "Discriminating among the log-normal, Weibull and generalized exponential distributions", *IEEE Transactions on Reliability*, vol. 58, no. 3, 416-424, 2009.
129. (with Arabin Kumar Dey) "Estimating the parameters of the Marshall Olkin bivariate Weibull distribution by EM algorithm", *Computational Statistics and Data Analysis*, vol. 53, no. 4, 956 - 965, 2009, MR2657061.
130. (with R. D. Gupta) "Introduction of shape/ skewness parameter(s) in a probability distribution", *Journal of Probability and Statistical Sciences*, vol. 7, no. 2, 153 - 171, 2009, MR2762758.
131. (with B. Basu, D. Tiwari and R. Prasad), "Is Weibull distribution the most appropriate statistical strength distribution for brittle materials?", *Ceramics International*, vol. 35, 237 - 246, 2009.
132. (with Biswabrata Pradhan), "On progressively censored generalized exponential distribution", *TEST*, vol. 18, no. 3, 497 - 515, 2009, MR2566413.
133. (with N. Balakrishnan) "Point and Interval Estimation for a Simple Step-Stress Model with Random Stress-Change Time", *Journal of Probability and Statistical Sciences*, vol. 7, no. 2, 113 - 126, 2009, MR2762755.
134. (with B. Pareek and S. Kumar) "On Progressively Censored Competing Risks Data For Weibull Distribution", *Computational Statistics and Data Analysis*, vol. 53, 4083 - 4094, 2009, MR2744306.
135. (with B. Pradhan) "Bayesian Inference and Life Testing Plans for Generalized Exponential Distribution", *Science in China, Series A: Mathematics* (Special volume dedicated to Professor Z.D. Bai) , vol. 52, no. 6, 1373 - 1388, 2009, MR2520581.
136. (with M.Z. Raqab) "Estimation of $R = P(X < Y)$ for three parameter Weibull distribution" *Statistics and Probability Letters* , vol. 79, 1839 - 1846, 2009, MR2560482.

137. (with H.K.T. Ng, P.S. Chan), “Statistical analysis of exponential lifetimes under an adaptive type-II progressive censoring scheme”, *Naval Research Logistics*, vol. 56, 689 - 698, 2009, MR2590730.
138. (with A. Joarder and H. Krishna), “On type-II progressively hybrid censoring”, *Journal of Modern Applied Statistical Methods*, vol. 8, no. 2, 534 - 546, 2009.
139. (with Madhusudan Bhandary), “Testing for the equality of the number of signals”, *Journal of Modern Applied Statistical Methods*, vol. 8, no. 2, 566 - 570, 2009.
140. (with N. Kannan and N. Balakrishnan), “Survival Models for Step-Stress Experiments with Lagged Effects”, *A volume dedicated to W. Meeker*, eds. Misha Nikulin and Nikolaos Limnios and N. Balakrishnan, *Advances in Degradation Modeling*, Birkhauser, pp. 355 - 369, 2010, MR2642594.
141. (with N. Kannan, P. Nair, R.C. Tripathi), “The generalized exponential cure rate model with covariates”, *Journal of Applied Statistics*, vol. 37, no. 9-10, 1625 - 1636, 2010, MR2758672.
142. (with Anurag Prasad, Swagata Nandi), “An efficient and fast algorithm for estimating the parameters of two-dimensional sinusoidal signals”, *Journal of Statistical Planning and Inference*, vol. 140, 153 - 168, 2010, MR2568129.
143. ((with Arabin Kumar Dey) “Discriminating between the log-normal and log-logistic distributions”, *Communications in Statistics - Theory and Methods*, vol. 39, 280 - 292, 2010, MR2654878.
144. (with Swagata Nandi) “Estimating the parameters of Burst Type signals”, *Statistica Sinica*, vol. 20, no. 2, 733 - 746, 2010, MR2682639.
145. (with F. S. Alshunnar and M. Z. Raqab) “On the comparison of the Fisher information of the log-normal and generalized Rayleigh distributions”, *Journal of Applied Statistics*, vol. 37, no. 3, 391 - 404, 2010, MR2756639.
146. (with M. Aslam and M. Ahmad) “Time truncated acceptance sampling plans for generalized exponential distribution”, *Journal of Applied Statistics*, vol. 37, no. 4, 555 - 566, 2010, MR2756652.
147. (with Amit Mitra), “Genetic algorithm based robust frequency estimation of sinusoidal signals with stationary errors”, *Engineering Applications of Artificial Intelligence*, vol. 23, 321 - 330, 2010.

148. (with Hatem Howlader), “Bayesian inference and prediction of the inverse Weibull distribution for Type-II censored data”, *Computational Statistics and Data Analysis*, vol. 54, 1547 - 1558, 2010, MR2600855.
149. (with R.D. Gupta), “A class of absolute continuous bivariate distribution”, *Statistical Methodology*, vol. 7, 464 - 477, 2010, MR2719945.
150. (with R. D. Gupta), “A Class of Bivariate Models with Proportional Reversed Hazard Marginals”, *Sankhya, Ser. B*, vol. 72, no. 2, 236 - 253, 2010, MR2820133.
151. (with R.D. Gupta), “Modified Sarhan-Balakrishnan singular bivariate distribution”, *Journal of Statistical Planning and Inference*, vol. 140, 526 - 538, 2010, MR2558383.
152. (with N. Balakrishnan, Ahad Jamalizadeh), “Bivariate Birnbaum-Saunders distribution and associated inference” *Journal of Multivariate Analysis* , vol. 101, 113-125, 2010, MR2557622.
153. (with Sulabh Dube and Biswabrata Pradhan), “Parameter estimation of the hybrid censored log-normal distribution”, *Journal of Statistical Computation and Simulation* , vol. 81, 275 - 287, 2011, MR2772796.
154. “Statistical Signal Processing”, *International Encyclopedia of Statistical Science*, Springer New York, S-section, 2011.
155. (with D.K. Al-Mutairi and M.E. Ghitany), “A new bivariate distribution with weights exponential marginals and its multivariate generalization”, *Statistical Papers*, vol. 52, no. 4, 921 - 936, 2011, MR2846694.
156. (with B. Pradhan), “Bayes estimation and prediction of the two-parameter gamma distribution”, *Journal of Statistical Computation and Simulation*, vol. 81, no. 9, 1187 - 1198, 2011, MR2826305.
157. (with A. Joarder, Hare Krishna), “Inference of Weibull parameters with conventional Type-I censoring”, *Computational Statistics and Data Analysis*, vol. 55, 1- 11, 2011, MR2736531.
158. (with A. M. Sarhan, D. C. Hamilton and B. Smith), “ The bivariate generalized linear failure rate distribution and its multivariate extension” *Computational Statistics and Data Analysis*, vol. 55, 644 - 654, 2011, MR2736584.
159. (with R.D. Gupta) “Generalized logistic distributions”, *Journal of Applied Statistical Sciences*, vol. 18, no. 1, 2011, MR2808605.

160. (with N. Balakrishnan, R.C. Gupta, V. Leiva and A. Sanhueza), "On some mixture models based on the Birnbaum-Saunders distribution and associated inference", *Journal of Statistical Planning and Inference*, vol. 141, 2175 - 2190, 2011, MR2775197.
161. (with S. Mitra and A. Mitra), "Genetic algorithm and M-estimator based robust sequential estimation of parameters of nonlinear sinusoidal signals", *Communications in Nonlinear Sciences and Numerical Simulations*, vol. 16, 2796 - 2809, 2011, MR2772295.
162. (with R.D. Gupta), "An extension of the generalized exponential distribution", *Statistical Methodology*, vol. 8, no. 6, 485 - 496, 2011, MR2834035.
163. (with M. Aslam, C-H Jun, M. Ahmad), "Time truncated group acceptance sampling plans for generalized exponential distribution", *Journal of Testing and Evaluation*, vol. 39, no. 4, 1-7, 2011. (Electronic Journal)
164. (with R.D. Gupta), "Absolute continuous bivariate generalized exponential distribution", *Advances in Statistical Analysis*, vol. 95, 169 - 185, 2011, MR2795592.
165. (with B. Pradhan), "Bayesian analysis of progressively censored competing risks data", *Sankhya, B*, vol. 73, no. 2, 276 - 296, 2011, MR2924196.
166. (with Z.D. Bai, S. Nandi, L. Bai), "Super efficient frequency estimation", *Journal of Statistical Planning and Inference*, vol. 141, 2576 - 2588, 2011, MR2787728.
167. (with R.C. Gupta), "Weighted Inverse Gaussian - a Versatile Lifetime Model", *Journal of Applied Statistics*, vol. 38, no. 12, 2695 - 2708, 2011, MR2859828.
168. (with Manuel Franco, Juana-Maria Vivo), "Multivariate extension of modified Sarhan-Balakrishnan bivariate distribution", *Journal of Statistical Planning and Inference*, vol. 141, no. 11, 3400 - 3412, 2011, MR2817350.
169. (with A. Prasad and A. Mitra), "Sequential estimation of two dimensional sinusoidal models", *Journal of Probability and Statistical Sciences*, vol. 10, no. 2, 161 - 178, 2012.
170. (with M.Z. Raqab), "Bayesian inference and prediction of order statistics for Type-II censored Weibull distribution", *Journal of Statistical Planning and Inference*, vol. 142, no. 1, 41 - 47, 2012, MR2827128.
171. (with A. Ganguly, S. Mitra, D. Samanta), "Exact inference for the two-parameter exponential distribution under Type-II hybrid censoring", *Journal of Statistical Planning and Inference*, vol. 142, no. 3, 613 - 625, 2012, MR2853570.
172. (with A. K. Dey), "Discriminating between the Weibull and Log-normal distributions for type-II censored data", *Statistics*, vol. 46, no. 2, 197 - 214, 2012, MR2903522.

173. (with Ananya Lahiri and A. Mitra) “Efficient algorithm for estimating the parameters of chirp signal”, *Journal of Multivariate Analysis*, vol. 108, 15-27, 2012, MR2903130.
174. (with Arabin K. Dey) “Discriminating between bivariate bivariate generalized exponential and bivariate Weibull distributions”, *Chilean Journal of Statistics*, vol. 3, no. 1, 93-110, 2012, MR2922270.
175. (with Sajid Ali, M. Aslam and S.M.A. Kazmi) “Bayesian estimation of the mixture of generalized exponential distribution using censored sample under different loss functions”, *Journal of the Chinese Institute of Industrial Engineers*, Vol. 29, no. 4, 246 - 169, 2012.
176. (with A. Dubedi, P. Chakroborty, K.H. Reddy) “Modeling automobile driver’s toll-lane choice behavior at a toll plaza”, *American Society of Civil Engineering: Journal of Transportation Engineering*, vol. 138, no. 11, 1350 - 1357, 2012.
177. (with Ammar Sarhan and R.D. Gupta), “On Sarhan-Balakrishnan bivariate distribution”, *Journal of Statistics Applications and Probability*, vol. 1, no. 3, 163 - 170, 2012.
178. “Discussion on ‘Hierarchical Bayesian auto-regressive models for large space time data with applications to ozone concentration modelling’ by S.K. Sahu and K.S. Bakar” *Applied Stochastic Models in Business and Industry*, vol. 28, no. 5, 416, 2012, MR3012502.
179. (with B. Saracoglu, I. Kinaci), “On estimation of $P(Y < X)$ for exponential distribution under progressive Type-II censoring”, *Journal of Statistical Computation and Simulation*, vol. 82, no. 5, 729 - 744, 2012, MR2916087.
180. (with N. Balakrishnan) “Hybrid censoring: models, inferential results and applications” *Computational Statistics and Data Analysis*, (with discussion), vol. 57, no. 1, 166 - 209, 2013, MR2981081.
181. (with D.K. Al-Mutairi, M.E. Ghitany), “Inference on stress-strength reliability from Lindley distribution”, *Communications in Statistics - Theory and Methods*, vol. 42, 1443 - 1463, 2013, MR3038588.
182. (with Ananya Lahiri and Amit Mitra), “Efficient algorithm for estimating the parameters of two dimensional chirp signal”, *Sankhya, B*, Part 1, 65 - 89, 2013, MR3082811.
183. (with Ahad Jamalizadeh) “Weighted Marshall-Olkin bivariate exponential distribution”, *Statistics*, vol. 47, no. 5, 917 - 928, 2013, MR3175724.

184. (with Arjun Gupta) “Bayes estimation for the Marshall-Olkin bivariate Weibull distribution”, *Computational Statistics and Data Analysis*, vol. 57, 271 - 281, 2013, MR2981087.
185. (with R.D. Gupta), “Power Normal Distribution, *Statistics*, Vol. 47, no. 1, 110 - 125, 2013, MR3023018.
186. (with Swagata Nandi, R.K. Srivastava), “Noise Space Decomposition method for two dimensional sinusoidal model”, *Computational Statistics and Data Analysis*, vol. 58, no. 2, 147 - 161, 2013, MR2997932.
187. (with Swagata Nandi), “Estimation of parameters of partially sinusoidal frequency model”, *Statistics*, Vol. 47, no. 1, 45 - 60, 2013, MR3023014.
188. (with D. Samanta, A. Ganguly and S. Mitra) “Bayesian analysis of different hybrid and progressive life tests”, *Communications in Statistics - Simulation and Computation*, vol. 42, no. 9, 2160 - 2173, 2013.
189. (with N. Balakrishnan and Ahad Jamalizadeh) “Generalized Multivariate Birnbaum-Saunders distribution and related inferential issues”, *Journal of Multivariate Analysis*, vol. 116, 230 - 244, 2013, MR3049902.
190. (with Biswabrata Pradhan) “Inference and Optimal censoring schemes for progressively censored Birnbaum-Saunders distribution”, *Journal of Statistical Planning and Inference*, vol. 143, no. 6, 1098 - 1108, 2013, MR3029236
191. (with Ananda Sen and Nandini Kannan) “Bayesian planning and inference of a progressively censored sample from linear hazard rate distribution”, *Computational Statistics and Data Analysis*, vol. 62, 108 - 121, 2013, MR3040266.
192. “Bayesian analysis for partially complete time and type of failure data”, *Journal of Applied Statistics*, vol. 40, no. 6, 1289 - 1300, 2013, MR3286273.
193. (with S. Mitra, A Ganguly, D. Samanta), “On simple step-stress model for two-parameter exponential distribution”, *Statistical Methodology*, vol. 15, 95 - 114, 2013, MR3072961.
194. (with P.G. Sankaran) “On a bivariate Pareto model”, *Statistics*, vol. 48, no. 2, 241 - 255, 2014, MR315768.
195. (with Ananya Lahiri and Amit Mitra) “On least absolute deviation estimator of one dimensional chirp model”, *Statistics*, vol. 48, no. 2, 405 - 420, 2014, MR315778.

196. (with Shrijita Bhattacharya and Biswabrata Pradhan), "Analysis of hybrid censored competing risks data", *Statistics*, vol. 48, no. 5, 1138 - 1154, 2014, MR3259880.
197. (with K.S. Sultan and N.H. Alsadat), "Bayesian and maximum likelihood estimation of the inverse Weibull parameters under progressive Type-II censoring", *Journal of Statistical Computation and Simulation*, vol. 84, no. 10, 2248 - 2265, 2014, MR3223623.
198. (with Manuel Franco and Juana-Maria Vivo), "Multivariate Distributions with Proportional Reversed Hazard Marginals", *Computational Statistics and Data Analysis*, vol. 77, 98-112, 2014, MR3210051.
199. (with Manuel France, N. Balakrishnan, Juana-Maria Vivo), "Generalized mixture of Weibull distributions", *TEST*, vol. 23, 515 - 535, 2014, MR3252093.
200. (with Biswabrata Pradhan), "Analysis of interval censored data with Weibull lifetime distribution", *Sankhya, ser. B*, vol. 76, 1, 120 - 139, 2014, MR3194310.
201. (with Arjun Gupta), "Bivariate Weibull-Geometric distribution", *Journal of Multivariate Analysis*, vol. 123, 19 - 29, 2014, MR3130418.
202. (with S. Dey and T. Dey), "Two-parameter Rayleigh distribution: different methods of estimation", *American Journal of Mathematical and Management Science*, vol. 33, 55 - 74, 2014.
203. "Geometric skew-normal distribution", *Sankhya-B*, vol. 76, 167 - 189, 2014, MR3302269.
204. (with M.Z. Raqab), "Estimation of $R = P[Y < X]$ for three parameter generalized Rayleigh distribution", *Journal of Statistical Computation and Simulation*, vol. 85, no. 4, 725 - 739, 2015, MR3284639.
205. (with David Han), "Inference for step-stress model with competing risks for failure from the generalized exponential distribution under type-I censoring", *IEEE Transactions on Reliability*, vol. 64, no. 1, 31 - 43, 2015.
206. "Bivariate sinh-normal distribution and a related model", *Brazilian Journal of Probability and Statistics*, vol. 29, no. 3, 590 - 607, 2015, MR3355749.
207. (with Ananya Lahiri and A. Mitra) "Estimating the parameters of multiple chirp signals", *Journal of Multivariate Analysis*, vol. 139, 189 - 205, 2015, MR3349486.
208. "Bivariate log Birnbaum-Saunders distribution", *Statistics*, vol. 49, no. 4, 900 - 917, 2015, MR3367730.

209. (with S.M. Mirhosseini, M. Amini and A. Dolati) "On a new absolutely continuous bivariate generalized exponential distribution", *Statistical Methods and Applications*, vol. 24, 61 - 83, 2015, MR3328167.
210. (with Mohsen Khosravi and Ahad Jamalizadeh) "On Bivariate and Mixture of Bivariate Birnbaum-Saunders Distributions", *Statistical Methodology*, vol. 23, 1-17, 2015, MR3278798.
211. (with Ayon Ganguly, S. Mitra) "Bayesian analysis of simple step-stress model under Weibull lifetimes", *IEEE Transactions on Reliability*, vol. 64, no. 1, 473 - 485, 2015.
212. (with G.S. Rao and M. Aslam), "Burr-XII distribution: parametric estimation and estimation of reliability of multicomponent stress-strength", *Communications in Statistics - Theory and Methods*, vol. 44, 4953 - 4961, 2015. MR3429812
213. (with D.K. Al-Mutairi, M.E. Ghitany) "Inference on stree-strenth reliability from weighted Lindley distributions", *Communications in Statistics - Theory and Methods*, vol. 44, 4096 - 4113, 2015. MR3406333.
214. "Bivariate Geometric (maximum) generalized exponential distribution", *Journal of Data Sciences*, vol. 13, 693 - 712, 2015.
215. (with Ahad Jamalizadeh) "Multivariate Birnbaum-Saunders distribution based on multivariate skew normal distribution", *Journal of the Japan Statistical Society*, vol. 45, no. 1, 1 - 20, 2015. MR3444401
216. (with M. Ristic) "Marshall-Olkin generalized exponential distribution", *METRON*, vol. 73, 317 - 333, 2015. MR3429802
217. (with Ankush Kumar and Arjun K. Gupta) "Absoulte continuous multivariate generalized exponential distribution", *Sankhya, Ser. B*, vol. 77, no. 2, 175 - 206, 2015. MR3434481
218. (with B. Pradhan) "Bayes estimates of the Block and Basu bivariate and multivariate Weibull distribution", *Journal of Statistical Computation and Simulation*, vol. 86, no. 1, 170 - 182, 2016. MR3403631
219. (with Tanujit Dey and Sanku Dey), "On progressively type-II censored two-parameter Rayleigh distribution", *Communications in Statistics - Simulation and Computation*, vol. 45, no. 1, 1 - 18, 2016.
220. (with Debanjan Mitra) "Bayesian inference of Weibull distribution based on left truncated and right censored data", *Computational Statistics and Data Analysis*, vol. 99, 38-50, 2016. M3473080

221. (with Ayon Ganguly) “Analysis of simple step-stress model in presence of competing risks”, *Journal of Statistical Computation and Simulation*, vol. 86, no. 10, 1989 - 2006, 2016. MR3479046
222. (with Miroslav M. Ristic) “Generalized exponential geometric extreme distributions”, *Journal of Statistical Theory and Practice*, vol. 10, no. 1, 179 - 201, 2016. M3453035
223. (with Nandini Kannan) “Statistical Signal Processing”, *Wiley StatsRef: Statistics Reference Online*, edited by N. Balakrishnan, Paolo Brandimarte, Brian Everitt, Geert Molenberghs, Walter Piegorsch and Fabrizio Ruggeri, 2016.
224. (with Suchismita Das) “On weighted exponential distribution and its length biased version”, *Journal of the Indian Society of Probability and Statistics*, vol. 17, no. 1, 57 - 77, 2016.
225. (with Biswabrata Pradhan) “A choice between Poisson and geometric distributions”, *Journal of the Indian Society of Probability and Statistics*, vol. 17, no. 2, 111 - 123, 2016.
226. (with G. Asha and Jagathnath Krishnan, K.M.) “An extension of the Freund’s bivariate distribution to model load sharing systems”, *American Journal of Mathematical and Management Sciences*, vol. 35, no. 3, 207 - 226, 2016.
227. (with D. Samanta, A. Ganguli and S. Mitra) “Order restricted Bayesian inference for exponential simple step-stress model”, *Communications in Statistics - Simulation and Computation*, vol. 46, no. 2, 1113 - 1135, 2017.
228. (with R. Valiollahi and A. Ashharzadeh) “Prediction of future failures for generalized exponential distribution under Type-I or Type-II hybrid censoring”, *Brazilian Journal of Probability and Statistics*, vol. 31, no. 1, 41-61, 2017. MR3601660.
229. (with Abbas Mahdavi) “A new method for generating distributions with an application to exponential distribution”, *Communications in Statistics - Theory and Methods*, vol. 46, no. 13, 6543 - 6557, 2017. MR3631530
230. (with Arjun Gupta) “On bivariate inverse Weibull distribution”, *Brazilian Journal of Probability and Statistics*, vol. 31, no. 2, 275 - 302, 2017. MR3635906.
231. (with Jafar Ahmadi and Elham Basiri) “Confidence and prediction intervals based on interpolated records”, *Journal of Nonparametric Statistics*, vol. 29, no. 1, 1-21, 2017. MR3597215.

232. (with Debanjan Mitra and Ayon Ganguly) “Analysis of left truncated right censored competing risks data”, *Computational Statistics and Data Analysis*, vol. 108, 12-26, 2017. MR3589898.
233. (with A. Asgharzadeh and M. Kazemi) “Estimation of $P(X > Y)$ for Weibull distribution based on hybrid censored samples”, *International Journal of Systems Assurance Engineering and Management*, vol. 8., 489 – 498, 2017.
234. (with Ananya Lahiri) “On parameter estimation of two-dimensional polynomial phase signal model”, *Statistica Sinica*, vol. 27, no. 4, 1757 - 1777, 2017. MR3726765.
235. (with M. A. Ahmad and M.Z. Raqab) “Discriminating between the generalized Rayleigh and Weibull distributions: Some comparative studies”, *Communications in Statistics - Simulation and Computation*, vol. 46, no. 6, 4880 – 4895, 2017. MR3672583.
236. (with Siddharth Biswanathan) “Bayesian inference and optimal censoring scheme under progressive censoring”, *Advances in Reliability and System Engineering*, Editors, Mangey Ram and J. P. Davim, Springer, 239 – 253, ISSN 2365-0532, 2017.
237. (with Ramesh C. Gupta) “On bivariate Birnbaum-Saunders distribution”, *American Journal of Mathematical and Management Sciences*, vol. 36, no. 1, 21 – 33, 2017.
238. (with Vahid Nekoukhou) “Bivariate discrete generalized exponential distribution”, *Statistics*, vol. 51, no. 5, 1143 – 1158, 2017. MR3698507.
239. (with A. Koley) “On generalized progressive hybrid censoring in presence of competing risks”, *Metrika*, vol. 80, 401 – 426, 2017. MR3635469.
240. (with A. Koley) “Interval estimation of the unknown exponential parameter based on time truncated data”, *American Journal of Mathematical and Management Sciences*, vol. 36, no. 3, 188 – 195, 2017.
241. “Multivariate geometric skew normal distribution”, *Statistics*, vol. 51, no. 6, 1377 – 1397, 2017. MR3734029.
242. (with Arnab Koley and Ayon Ganguly), “Analysis of Type-II hybrid censored competing risks data”, *Statistics*, vol. 51, no. 6, 1304 – 1325, 2017. MR3734025.
243. “On multivariate log Birnbaum-Saunders”, *Sankhya, Ser. B*, vol. 79, 292 – 315, 2017. MR3749273.
244. “On Bayesian inference of $P(Y < X)$ for Weibull distribution”, *Mathematical and Statistical Applications in Life Sciences and Engineering*, Editors, A. Adhikari, M.R. adhikari and Y. P. Chaubey, Springer, ISBN:978-981-10-5369-6, pp: 225 – 246, 2017.

245. (with Debashis Samanta), “Order restricted inference of a multiple step-stress model”, *Computational Statistics and Data Analysis*, vol. 117, 62 – 75, 2018. MR3711481.
246. (with Nandini Kannan), “Weibull step-stress model with a lagged effect”, *American Journal of Mathematical and Management Sciences*, vol. 37, 33 – 50, 2018.
247. (with D.K. Al-Mutairi and M.E. Ghitany) “Weighted Weibull distribution: bivariate and multivariate cases”, *Brazilian Journal of Probability and Statistics*, vol. 32, 20 – 43, 2018.
248. (with Debasish Samanta and Ayon Ganguly), “Order Restricted Bayesian Analysis of a Simple Step Stress Model”, *Sankhya*, Ser. B., vol. 80, no. 2, 195 - 221, 2018.
249. (with M.Z. Raqab and S. Al-Awadhi) “Discriminating among Weibull, log-normal and log-logistic distributions”, *Communications in Statistics - Simulation and Computation*, vol. 47, no. 5, 1397 - 1419, 2018.
250. (with Ali Akbar Jafari and Rasool Roozegar), “On bivariate generalized exponential-power series class of distributions”, *Journal of the Iranian Statistical Society*, vol. 17, no. 1, 63 - 88, 2018.
251. (with Aniket Jain and Biswabrata Pradhan) “Bayesian inference on general order statistic models”, *Modeling and Simulation Based Analysis in Reliability Engineering*, Mangey Ram, Editor, CRC Press: Taylor and Francis Group, pp 163 - 182, 2018.
252. (with Vahid Nekoukhou) “Univariate and bivariate geometric discrete generalized exponential distribution”, *Journal of Statistical Theory and Practice*, vol. 12, no. 3, 595 - 614, 2018.
253. (with Sunil Taneja, Samarth Vohra, Neha Agarwal) “Patient education in bronchial asthma: analysis of feedback from parents”, *International Journal of Contemporary Pediatrics*, vol. 5, 1159 - 1160, 2018 (Letter to the editor).
254. (with Rhythm Grover and Amit Mitra), “On approximate least squares estimators of parameters on one dimensional chirp signal”, *Statistics*, vol. 52, no. 5, 1060 - 1085, 2018.
255. (with Rhythm Grover and Amit Mitra), “Asymptotic of approximate least squares estimators of parameters of two-dimensional chirp signal”, *Journal of Multivariate Analysis*, vol. 168, 211 - 220, 2018.
256. (with E. Mahmoudi, R.S. Meshkat and B. Kargar), “Extended exponentiated Weibull distribution and its applications”, *Statistica*, vol. 78, no. 4, 363-396, 2018.

257. (with Vahid Nekoukhou) “On bivariate discrete Weibull distribution”, *Communications in Statistics - Theory and Methods*, vol. 48, no. 14, 3464 - 3481, 2019.
258. (with N. Balakrishnan) “Birnbbaum-Saunders Distribution: A Review of Models, Analysis and Applications” (with discussions), *Applied Stochastic Models in Business and Industry*, vol. 35, no. 1, 4 - 132, 2019.
259. (with Debashis Samanta and Arindam Gupta), “Analysis of Weibull step-stress model in presence of competing risks”, *IEEE Transactions on Reliability*, vol. 68, no. 2, 420 - 438, 2019.
260. (with B. Paul and A.K. Dey) “Bayesian analysis of three parameter absolute continuous Marshall-Olkin bivariate Pareto distribution”, *Communications in Statistics - Case Studies and Data Analysis*, vol. 4, no. 2, 57 - 68, 2019.
261. (with Debashis Samanta, Ayon Ganguly and Arindam Gupta), “On classical and Bayesian order restricted inference for multiple exponential step stress model”, *Statistics*, vol. 53, no. 1, 177 - 195, 2019.
262. (with Swagata Nandi), “Estimating the fundamental frequency using modified Newton-Raphson algorithm”, *Statistics*, vol. 53, no. 2, 440 - 458, 2019.
263. (with Subhra Shankar Dhar and Ujjal Das), “On testing parameters of chirp signal model”, *IEEE Transactions on Signal Processing*, vol. 67, no. 16, 4291 - 4301, 2019.
264. (with Deepak Prajapati and Sharmistha Mitra), “A new decision theoretic sampling plan for type-I and type-II hybrid censored samples from the exponential distribution”, *Sankhya, Ser. B.*, vol. 81-B, Part 2, 251 - 288, 2019.
265. (with Deepak Prajapati and Sharmistha Mitra), “Decision theoretic sampling plan for one-parameter exponential distribution under type-I and type-I hybrid censoring schemes”, *Statistical Quality Technologies: Theory and Practice*, Springer, Eds: Yuh-long Lio, Hon Keung Tony Ng, Tzong-Ru Tsai and Ding-Geng Chen, Springer, pp: 183 - 210, 2019.
266. (with Shuvashree Mondal) “A new two sample type-II progressive censoring scheme”, *Communications in Statistics - Thoery and Methods*, vol. 48, no. 10, 2602-2618, 2019.
267. (with S. Mondal) “Point and interval estimation of Weibull parameters based on joint progressively censored data data”, *Sankhya, Ser. B.*, vol. 81, no. 1, 1-25, 2019.
268. (with Shuvashree Mondal, Ritwik Bhattacharya, Biswabrata Pradhan), “Bayesian optimal life-testing plan under the balanced two sample type-II progressive censoring

- scheme”, *Applied Stochastic Models in Business and Industry*, vol. 36, no. 4, 628 - 640, 2020.
269. (with D. Prajapati, S. Mitra) “A New Decision Theoretic Sampling Plan for Exponential Distribution under Type-I Censoring”, *Communications in Statistics - Simulation and Computation*, vol. 49, no. 2, 453 - 471, 2020.
270. “On a general class of discrete bivariate distributions”, *Sankhya, Ser. B*, vol. 82, 270 - 304, 2020.
271. (with Nandini Kannan), “Simple step-stress models with a cure rate fraction”, *Brazilian Journal of Probability and Statistics*, vol 34, no. 1, 2-17, 2020.
272. (with Shuvashree Mondal), “On the joint type-II progressive censoring scheme”, *Communications in Statistics - Thoery and Methods*, vol. 49, no. 4, 958 - 976, 2020.
273. (with H. Najarzagdegan, M.H. Alamatsaz and I. Kazemi), “On weighted bivariate geometric distribution”, *Communications in Statistics - Thoery and Methods*, vol. 49, no. 9, 2419 – 2443, 2020.
274. (with Shuvashree Mondal), “Bayesian Inference for Weibull distribution Under The Balanced Joint Type-II Progressive Censoring Scheme”, *American Journal of Mathematical and Management Sciences*, vol. 39, no. 1, 56 - 74, 2020.
275. (with Shuvashree Mondal), “Inference on Weibull parameters under a balanced two-sample type-II progressive censoring scheme”, *Quality and Reliability Engineering International*, vol. 36, no. 1, 1-17, 2020.
276. (with Shuvashree Mondal), “A bivariate inverse Weibull distribution and its application in complementary risks model”, *Journal of Applied Statistics*, vol. 47, no. 6, 1084 - 1108, 2020.
277. “Professor C.R. Rao’s contribution in Statistical Signal Processing and its longterm implications”, *Proceedings of Mathematical Sciences*, Indian Academy of Sciences, vol. 130, Article no. 43, 2020.
278. (with Swagata Nandi), “Estimation of parameters in random amplitude chirp signal”, *Signal Processing*, vol. 168, Art. 107328, 2020.
279. (with Debashis Samanta, Arnab Koley and Arindam Gupta), “Exact inference of a simple step stress model with hybrid type-II stress changing time”, *Journal of Statistical Theory and Practice*, vol. 14, no. 1, Art 12, 27 pp, 2020.

280. (with Rasool Roozeger), “Generalized exponential power series distribution”, *Communications in Statistics - Simulation and Comutations*, vol. 49, no. 7, 1678 - 1703, 2020.
281. (with Manuel Franco and Juana-Maria Vivo), “A generalized Freund bivariate model for a two-component load sharing system”, *Reliability Engineering and System Safety*, vol. 203, Art No. 107096, 2020.
282. (with Manuel Franco and Juana-Maria Vivo), “A generator of bivariate distributions: Properties, estimation and applications”, *Mathematics*, vol. 8, no. 10, Art no. 1776, 2020.
283. “A general method of construction of a bivariate lifetime distribution with a singular component”, *Journal of Kerala Statistical Association*, (invited paper), vol. 31, December 2020, 1-28.
284. (with Ayan Pal and Sharmistha Mitra), “Order restricted classical inference of a Weibull multiple step-stress model”, *Journal of Applied Statistics*, vol. 48, no. 4, 623 - 645, 2021.
285. (with Rhythm Grover and Amit Mitra), “An efficient methodology to estimate the parameters of a two-dimensional chirp signal model”, *Multidimensional Systems and Signal Processing*, vol. 32, no. 1, 49 – 75, 2021.
286. (with Ayan Pal and Shuvashree Mondal), “A Cure rate model for exponentially distributed lifetimes with competing risks”, *Journal of Statistical Theory and Practice*, vol. 15, no. 1, Paper no. 21, 2021.
287. (with Mohammad Z. Raqab and Fahimah A. Al-Awadhi), “Compound zero-truncated Poisson normal distribution and its applications”, *Communications in Statistics - Theory and Methods*, vol. 50, no. 13, 3030 - 3050, 2021.
288. (with Ayan Pal, Debashis Samanta and Sharmistha Mitra), “A simple step-stress model for Lehmann family of distributions”, *Advances in Statistics - Theory and Applications: Honoring the Contributions of Barry C. Arnold in Statistical Science*, Eds. Indranil Ghosh, Hon Keung Tony Ng and N. Balakrishnan, pp 315 - 343, Springer,2021.
289. (with Rhythm Grover and Swagata Nandi), “A review of chirp and some other related signal processing models”, *Advances in Signal Processing: Reviewes*, Vol. 2, Editor: Sergey Y. Yurish, IFSA Publishing, S.L. Barcelona, Spain, pp 149 - 233, 2021, ISBN: 978-84-09-28830-4.

290. (with Arnab Koley), “Analysis of progressive type-II censoring in presence of competing risk data under step stress modeling”, *Statistica Neerlandica*, vol. 75, no. 2, 115 - 136, 2021.
291. (with Swagata Nandi and Rhythm Grover), “Estimation of Parameters of Multiple Chirp Signal in Presence of Additive Alpha-Stable Errors”, *Signal Processing*, vol.189, Paper no. 108232, 2021.
292. (with Nandini Kannan), “C.Radhakrishna Rao: A Century in Statistical Science”, *International Statistical Review*, vol. 89, no. 2, 216 - 236, 2021.
293. (with Swagata Nandi), “On chirp and some related signals analysis: a brief review and some new results”, *Sankhya, Ser. A*, vol. 83, no. 2, 844 - 890, 2021.
294. (with Deepak Prajapati and Shuvashree Mondal), “Optimal Decision-theoretic Sampling Plan For Two Exponential Distributions under Joint Censoring Scheme”, *Applied Stochastic Models in Business and Industry*, vol. 37, no. 3, 560 - 576, 2021.
295. (with Ayan Pal and Sharmistha Mitra), “Bayesian order restricted inference of a Weibull multi-step step-stress model”, *Journal of Statistical Theory and Practice*, vol. 15, no. 1, Paper no. 21, 24pp, 2021..
296. (with Debashis Samanta) “ Meta-analysis of a step-stress experiment under Weibull distribution”, *Journal of Statistical Computation and Simulation*, vol. 91, no. 9, 1867 - 1889, 2021.
297. (with Rhythm Grover) “On a chirp-like model and its parameter estimation using periodogram-type estimators”, *Journal of Statistical Theory and Practice*, vol. 15, no. 1, Paper no. 21, 24pp, 2021.
298. (with Debanjan Mitra N. Balakrishnan), “Likelihood analysis and stochastic EM algorithm for left truncated and right censored data and associated model selection from the Lehmann family of life distributions”, *Japanese Journal of Statistics and Data Science*, (invited paper), vol. 4, no. 2, 1019 – 1048, 2021.
299. (with Debashis Samanta), “Bayesian Inference of a Dependent Competing Risk Data”, *Journal of Statistical Computation and Simulation*, vol. 91, no. 15, 3069 – 3086, 2021.
300. (with Rhythm Grover and Amit Mitra), “Estimation of parameters of a harmonic chirp model”, *IET Signal Processing*, vol. 15, no. 6, 375 - 395, 2021.
301. (with Rhythm Grover and Amit Mitra), “Asymptotic properties of least squares estimators and sequential least squares estimators of a chirp-like signal model parameters”, *Circuits, Systems and Signal Processing*, vol. 40, no. 11, 5421 – 5467, 2021.

302. “An Absolute Continuous Bivariate Inverse Generalized Exponential Distribution: Properties, Inference and Extensions”, *Methodology and Applications of Statistics: A Volume in Honor of C.R. Rao on the Occasion of his 100th Birthday*, Eds. Barry C. Arnold, N. Balakrishnan and Carlos A. Coelho, Springer, pp: 129 – 148, 2021.
303. (with Rhythm Grover, Aditi Sharma and Theo Delcourt), “Computationally efficient algorithm for frequency estimation of a two-dimensional sinusoidal model”, *Circuits, Systems and Signal Processing*, vol. 41, no. 1, 346 – 371, 2022.
304. (with Kiram Prajapat and Sharmistha Mitra), “A consistent method of estimation for three-parameter generalized exponential distribution”, *Communications in Statistics - Simulation and Computation*, (to appear).
305. (with Deepak Prajapati), “Symmetric Geometric Skew normal regression model”, *Springer Handbook of Engineering Statistics*, Editor: Hoang Pham, Springer, (to appear).
306. “Bivariate distributions with singular components”, *Springer Handbook of Engineering Statistics*, Editor: Hoang Pham, Springer, (to appear).
307. (with Tanmay Kayal, Yogesh Mani Tripathi and Manoj Kumar Rastogi), “Statistical inference of Chen distribution based on Type-I rogressive hybrid censored samples”, *Statistics, Optimization & Information Computing*, (to appear).
308. (with Deepak Prajapti and Sharmistha Mitra), “Bayesian Sampling Plan for the Exponential Distribution with Generalized Type - II Hybrid Censoring Scheme”, *Communications in Statistics - Simulation and Computation*, (to appear).
309. (with Fatemah A. Alqallaf), “A bivariate inverse generalized exponential distribution and its applications in dependent competing risks model”, *Communications in Statistics - Simulation and Computation*, (to appear).
310. (with Kiran Prajapat, Arnab Koley and Sharmistha Mitra), “An optimal Bayesian sampling plan for two-parameter exponential distribution under Type-I hybrid censoring”, *Sankhya*, Ser A, (to appear).
311. (with Mohammed A. Meraou, Noriah M. Al-Kandari, M.Z. Raqab) “Analysis of Skewed Data by using Compound Poisson-Exponential Distribution with Applications to Insurance Claims”, *Journal of Statistical Computation and Simulation*, (to appear).
312. (with M.Z. Raqab and O.M. Bdair), “Comparison of estimates and predictors using joint type-II progressive censored samples from two generalized Rayleigh distribution Insurance Claims”, *Thailand Statistician*, (to appear).

313. "Stationary GE-process and its application in analyzing gold price data", *Sankhya, Ser B*, (to appear).
314. (with Biplab Paul and Shyamal K. De), "A sequential sampling approach for discriminating log-normal, Weibull and log-logistic distribution", *Communications in Statistics - Simulation and Computation*, (to appear).
315. (with Farha Sultana, Arnab Koley and Ayan Pal), "On two exponential populations under a joint adaptive type-II progressive censoring", *Statistics*, (to appear).
316. (with Ammar M. Sarhan and Joeseeph Apaloo), "A new bivariate lifetime distribution: properties, estimations and its extension", *Communications in Statistics - Simulation and Computation*, (to appear).
317. (with Swagata Nandi), "Estimating parameters in multichannel sinusoidal mode", *Circuits, Systems, and Signal Processing*, (to appear).

RESEARCH PUBLICATIONS IN CONFERENCE PROCEEDINGS:

- [1] "Estimating the Parameters of the Complex Valued Exponential Signals". *INTERFACE-90*, Eds: Connie Page and Raoul Le-Page, Springer Verlag, NY, 406-409, 1990.
- [2] "Estimating the Number of Signals Using Cross Validation Approach", *Information Technology*, Eds.: E. Balagurusamy and B. Sushila, Tata-McGraw Hill, New Delhi, 1991, 444-447.
- [3] (with A. Mitra) "Asymptotic Behavior of the Least Squares Estimators of Superimposed Exponential Signals: Main Results", *P. C. Mahalanobis Birth Centenary Volume*, Edited by A. K. Datta, Published by Indian Statistical Institute, 1993, 663 - 670.
- [4] (with R. Kundu) "Consistent Estimates of Super Imposed Exponential Signals When Some Observations are Missing: Part I", *P. C. Mahalanobis Birth Centenary Volume*, edited by A. K. Datta, Published by Indian Statistical Institute, 1993, 679 - 685.
- [5] (with N. Kannan and A. Mitra) "Estimating DOA of Signals", *Signal Processing and Communications*, 63-68, 1995.
- [6] (with P. Bhattacharya, S.K. Mullick) "A Sequential Decision Method for Reasoning with Imprecise Tests", *Pattern Recognition, Image Processing and Computer Vision* Eds. P.P. Das and B.N. Chatterji, Norosa Publishing House, New Delhi, 112-117, 1996.

- [7] "Parameter Estimation", *Reliability, Availability and Maintainability*, Vol. 1, 62-78, 1997. (Invited paper)
- [8] "Some Properties of the Estimators of the Sinusoidal Signals", *Signal Processing and Communications*, 147-152, 1997.
- [9] "Frontiers of Science and Engineering and Their Relevance to National Developments", *Proceedings of the 84th. Indian Science Congress, Young Scientist Session*, 1997,5-6. (Invited Lecture)
- [10] "On the determination of the number of signals and its Performance analysis in presence of white noise", *Proceedings of the SPCOM99*, Eds. A. Makur and V. Sundar Rajan, 11-18, 1999.
- [11] "On asymptotic properties of the least squares estimators in a stationary random field", *Proceedings of the SPCOM99*, Eds. A. Makur and V. Sundar Rajan, 33-42, 1999.
- [12] (with Swagata Nandi) "Determination of Discrete Spectrum in a Stationary Random Field", *Applicable Mathematics, Its Perspectives and Challenges*, Editor: J.C. Misra, Narosa Publishing House, New Delhi, 304-311, 2001.
- [13] "Experimental Errors: How much we can Handle?", *Directions*, vol. 8, no. 2, 41 - 43, 2009.

GRANTS:

- [1] Received a Grant of amount Rs. 15,000.00 from *Quality Improvement Program*, I.I.T. Kanpur to organize a work shop on *Teaching Statistics with the Help of Computers* for the college teachers (jointly with Prof. G.K. Shukla) 1992.
- [2] Received a Grant of amount Rs. 80,000.00 from *Indian Society of Technical Education* and *National Board of Higher Mathematics* to organize a summer school on *Mathematical Modeling* (jointly with Prof. P. Chandra), 1994.
- [3] Received a Grant of amount Rs. 15,000.00 from *Indian Society for Technical Education* to Write a Working Manual on *Statistics for Engineers*, 1993-1994
- [4] Received a Grant *SR/OY/M – 06/93* of amount Rs. 1,54,700.00 from *Department of Science and Technology, Govt. of India*, on *Statistical Methods to Estimate Signal Processing Models*, 1994-1996

- [5] Received a Travel Support of amount Rs. 20,000.00 from *National Board of Higher Mathematics* to attend an *International Statistical Conference* at Canada 1997.
- [6] Received a grant from *Department of Science and Technology* on *Analyzing Non-Stationary Signals* of amount Rs. 9,50,000.00. (2008-2010)
- [7] Received a grant from *Department of Science and Technology* on *Accelerated Life Testing* of amount Rs. 12,50,000.00. (2009-2011)
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