1. SANKU DEY.
   1. Associate professor
   2. M.Sc. (statistics); Ph.D.
   3. Gauhati University.
   4.

Details of the articles Published in Journals :

1. Dey, Sanku and Pradhan B.(2014).Generalized Inverted Exponential Distribution Under Hybrid Censoring.**Statistical Methodology**, 18, 101-114.
2. Dey, Sanku and Dey, T. (2014). Bayesian and Classical Inference for the Rayleigh Distribution using Progressive Type-II Censoring with binomial removals. **Applied Mathematical Modelling**, 38, 974-982.
3. Dey, T., Dey, Sanku and Kundu, Debasis (2013).Bayesian Inference for the two parameters Rayleigh Distribution in Presence of Progressive Type-II Censoring. **Communication in Statistics Computation and Simulation.** (To appear).
4. Dey, Sanku, Dey, T. and Anis, Z. (2013).WeightedWeibull Distribution: Properties and Estimation. **Journal of Statistical Theory and Practice,** DOI: 10.1080/15598608.2013.875966.
5. Dey, Sanku, Dey, T. and Kundu, Debasis (2014). Two parameter Rayleigh distribution: Different methods of estimation.**American Journal of Mathematical and Management Sciences** , 33:5574.
6. Dey, Sanku, and Dey, T. (2014). Generalized Inverted Exponential Distribution: Different methods of Estimation. **American Journal of Mathematical and Management Sciences**, 33:194215, 2014.
7. Dey, Sanku and Dey, T. (2014). On Progressively Censored Generalized Inverted Exponential Distribution. **Journal of Applied Statistics,** http://dx.doi.org/10.1080/02664763.2014.922165.
8. Dey, Sanku (2014). A Study of Family Planning Acceptance among Slum Dwellers in Shillong City, Meghalaya. **Indian J. of Community Health.**Vol 26(1), 111-14.
9. . Dey, Sanku (2014). Awareness on HIV/AIDS Amongst Slum Women of Shillong City, Meghalaya: A Logistic Regression Approach. **Spectrum-Journal of Humanities and Social Sciences**, Vol. 1,29-39.
10. Salehi,Mahdi, Ahmadi, Jafar and Dey, Sanku. (2014).Comparison of two sampling schemes for generating record-breaking data from the proportional hazard rate models. **Communication in Statistics-Theory and Methods** (to appear).

11.. Dey, Sanku, Ali Sajid and Park, Chanseok(2015). Weighted exponential distribution: Properties and Different Methods of Estimation. **Journal of Statistics Computation and Simulation**, DOI: 10.1080/00949655.2014.992346.

12. Dey, Sanku, Dey, T. and Maiti, S. S. (2015). Bayes Shrinkage Estimation of the Parameter of Rayleigh Distribution for Progressive Type-II Censored Data.**Austrian J. of Statistics** (to appear).

13.. Dey, Sanku, Mazucheli, J and Anis, M.Z. (2015). Estimation of Reliability of Multicomponent Stress-Strength for a Kumaraswamy Distribution. **Communication in Statistics-Theory and Methods**. (to appear).

14. Dey, Sanku and Raheem, E (2015). Socio-economic Determinants of Family Planning Acceptance Among Slum Dwellers of Shillong City, Meghalaya-A Multivariate Analysis Using Logistic Regression Model. **Demography India**.(to appear).

15. Dey, Sanku, Raheem, E. and Sarkar, P. (2015). Identifying the Factors Inuencing Institutional and Non-Institutional Delivery Practices in Slums of Shillong City.**Health and Population Perspective and Issues.**(to appear).

16. Dey, Sanku, Dey, T. and Vasiliue, Daniel (2015).Bayesian Inference and Prediction for a Generalized Inverted Exponential Distribution under Type-II Censored Sample. **Model Assisted Statistics and Applications.**(to appear).

17. Dey, Sanku, Dey, T. and Luckett, Daniel (2015). Statistical Inference for the Generalized Inverted Exponential Distribution Based on Upper Record Values. **Mathematics and Computers in Simulation** (to appear).

18.Sanku Dey, Vikas Kumar Sharma, M. Z. Anis, Babita Yadav (2016). Assessing lifetime performance index of Weibull distributed products using progressive type II right censored samples. **Int J Syst Assur Eng Manag. DOI 10.1007/s13198-016-0437.**

19.Sanku Dey, Sudhansu S. Maiti and Munir Ahmad (2016). COMPARISON OF DIFFERENT ENTROPY MEASURES **Pak. J. Statist. 2016 Vol. 32(2), 97-108.**

20.Sanku Dey, Devendra Kumar and Chanseok Park (2016). Transmuted gamma-mixed Rayleighdistribution: Properties and estimation with bladder cancer data example**. Model Assisted Statistics and Applications -1 (2016) 1–21.**

21.Sanku Dey , Tanujit Dey. and Daniel Vasiliu. (2016). Bayesian inference and prediction for generalized inverted exponential

distribution for Type-II censored data. **Model Assisted Statistics and Applications 11 (2016) 125–136.**

22. Indrani Mukherjee, Sanku Dey and Sudhansu S. Maiti (2016). Comparison of estimators of the PDF and CDF of the Generalized Exponential Distribution. **The 10th International Conference MSAST 2016, December 21 - 23, 2016, Kolkata, India**.

23. Sanku Deyand Enayetur Raheem (2016). Multilevel multinomial logistic regression model for identifying factors associated with anemia in children 6–59 months in northeastern states of India. *Cogent Mathematics* **(2016), 3: 1-12.**

24. M.H. Alamatsaz, S. Dey, T. Dey and S. Shams Harandi (2016). DISCRETE GENERALIZED RAYLEIGH DISTRIBUTION. **Pak. J. Statist. Vol. 32(1), 1-20.**

25. Sanku Dey, Sukhdev Singh , Yogesh Mani Tripathi , A. Asgharzadeh (2016). Estimation and prediction for a progressively censored generalized inverted exponential distribution. **Statistical Methodology 32 , 185–202.**

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27. Mazen Nassar,Sanku Deyand Devendra Kumarc (2017) **A New Generalization of the Exponentiated Pareto Distribution With an Application.**AMERICAN JOURNAL OF MATHEMATICAL AND   MANAGEMENT SCIENCES. **DOI 10.1007/s13198-016-0437. SCOPUS**

28. **Sanku Dey, Mazen Nassar and Devendra Kumar** (2017). *α Logarithmic* **Transformed Family of Distributions with Application.Ann. Data. Sci**. DOI 10.1007/s40745-017-0115-2.**Springer Journal**

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Schemes.**Ann. Data. Sci**. 	DOI 	10.1007/s40745-017-0101-8. **Springer Journal**

31. Sanku Dey, Vikas Kumar Sharma and Mhamed Mesfioui (2017). A New Extension of Weibull Distribution with Application to Lifetime Data.**Ann. Data. Sci.** DOI 10.1007/s40745-016-0094-8. **Springer Journal**

32. Sanku Dey, Bander Al-Zahrani & Samerah Basloom (2017). Dagum Distribution: Properties and Different Methods of Estimation. **International Journal of Statistics and Probability**; Vol. 6, No. 2; 74-92.

33. Yogesh Mani Tripathi, Amulya Kumar Mahto and Sanku Dey (2017). Efficient Estimation of the PDF and the CDF of a Generalized Logistic Distribution. **Ann. Data. Sci.** DOI 10.1007/s40745-016-0093-9. **Springer Journal**

34. Sanku Dey, Josmar Mazucheli & M. Z. Anis. Estimation of reliability of multicomponent stress–strength for a Kumaraswamy distribution. **COMMUNICATIONS IN STATISTICS—THEORY AND METHODS**., VOL. 46, NO. 4, 1560-1572. **Web of Science, Scopus, IF=.406**

35. Sanku Dey, Mahendra Saha, Sudhansu S. Maiti, and Chi-Hyuck Jun (2017). **Bootstrap confidence intervals of generalized process capability index** *Cpyk* **for Lindley and power Lindley distributions. COMMUNICATIONS IN STATISTICS— SIMULATION AND COMPUTATION**. http://dx.doi.org/10.1080/03610918.2017.1280166. **Web of Science, Scopus, IF=.50**

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38. Devendra Kumar · Tanujit Dey and· Sanku Dey (2017). Statistical Inference of Exponentiated Moment Exponential Distribution Based on Lower Record Values**. Commun. Math. Stat.,** 5:231–260 DOI 10.1007/s40304-017-0110-0. **Web of Science, SCOPUS**

39. Yogesh Mani Tripathi , Tanmay Kayal and Sanku Dey. (2017). Estimation of the PDF and the CDF of exponentiated moment exponential distribution. **Int J Syst Assur Eng Manag** (November 2017) 8(Suppl. 2):S1282–S1296. DOI 10.1007/s13198-017-0599-3. **Web of Science, Scopus**

40. Sanku Dey, Devendra Kumar, Pedro L. Ramos, and Francisco Louzada (2017). Exponentiated Chen distribution: Properties and estimation.**COMMUNICATIONS IN STATISTICS—SIMULATION AND COMPUTATION**. 46(10), 8118-8139. **Web of Science, Scopus, IF=.50**

41. Devendra Kumar, Sanku Dey & Saralees Nadarajah (2017). Extended exponential distribution based on order statistics**.** COMMUNICATIONS IN STATISTICS—THEORY AND METHODS. 46(18). 9166-9184. **Web of Science, Scopus, IF=.407**

42. Josmar Mazucheli, André Felipe Berdusco Menezesa, and Sanku Dey (2017). Improved maximum-likelihood estimators for the parameters of the unit-gamma distribution**. COMMUNICATIONS IN STATISTICS—THEORY AND METHODS**. article: http://dx.doi.org/10.1080/03610926.2017.1361993. **Web of Science, Scopus, IF=.407**

43. Devendra Kumar, Muhammad Qaiser Shahbaz and Sanku Dey (2017). RECURRENCE RELATIONS FOR MOMENTS ANDESTIMATION OF PARAMETERS OF GENERALIZED PARETO DISTRIBUTION BASED ON GENERALIZEDORDER STATISTICS.**Journal of Applied Statistical Science**ISSN 1067-5817, Volume 22, Number 3-4.

44. Devendra Kumar and Sanku Dey (2017). POWER GENERALIZED WEIBULL DISTRIBUTION BASED ON ORDER STATISTICS.

Journal of Statistical Research ISSN 0256 - 422 X , Vol. 51, No. 1, pp. 61-78.

45. Vikas Kumar Sharma, Sanku Dey, Sanjay Kumar Singh, and Uzma Manzoor (2017). On length and area-biased Maxwell distributions.**COMMUNICATIONS IN STATISTICS— SIMULATION AND COMPUTATION**. article: http://dx.doi.org/10.1080/03610918.2017.1317804.
Web of Science, Scopus, IF=.50

46. Sanku Dey, Ayman Alzaatreh, Chunfang Zhang, and Devendra Kumar (2017). A New Extension of Generalized Exponential Distribution with Application to Ozone Data. **OZONE: SCIENCE & ENGINEERING ,** VOL. 39, NO. 4, 273–285.
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47. Devendra Kumarand Sanku Dey (2017). Relations for Moments of Generalized Order Statistics from Extended Exponential Distribution**. AMERICAN JOURNAL OF MATHEMATICAL AND MANAGEMENT SCIENCES**.http://dx.doi.org/10.1080/01966324.2017.1369474.
SCOPUS

48. Sophia D.Waymyers, Sanku Dey, and Hrishikesh Chakraborty (2017). A new generalization of the gamma distribution with application to negatively skewed survival data.**COMMUNICATIONS IN STATISTICS—SIMULATION AND COMPUTATION**.
Web of Science, Scopus, IF=.50

49. Sanku Dey, Tanmay Kayal & Yogesh Mani Tripathi (2017). Statistical Inference for the Weighted Exponential Distribution under Progressive Type-II Censoring with Binomial Removal. **American Journal of Mathematical and Management Sciences.** article: https://doi.org/10.1080/01966324.2017.1395375. **Scopus**

50. H.S. BAKOUCH1, S. DEY, P.L. RAMOS and F. LOUZADA (2017). Binomial-exponential 2 Distribution: Different EstimationMethods with Weather Applications.**Tendencias em Matem´ atica Aplicada e Computacional,18**, N. 2 (2017), 233-251.

51. Sanku Dey, Enayetur Raheem, Saikat Mukherjee & Hon Keung Tony Ng. (2017). Two parameter exponentiated Gumbel distribution: properties and estimation with flood data example. *Journal of Statistics & Management Systems.* Vol. 20 (2017), No. 2, pp. 197–233. **Web of Science, Scopus**

Invited Lectures: Series of Lectures given in the Dept. of Statistics, Central University of Haryana, Mahendragarh, India from 30th January to 31st January, 2018.

Conference/Seminar Attended:

1. Paper presented at 9th International Statistics Day Symposium ISDS'2014 (IGS2014) held at **Antalya, Turkey during 10-14 May, 2014.**

2. **Invited Talk** given at "National Conference in Special Functions and their Applications" organized by Dept. Of Mathematics, TDPG College, Jaunpur (U.P), India and Ramanujan Society of Mathematics and Mathematical Sciences during November 4-6, 2014.

3. **Invited Talk** given at "International Conference on Applied Statistics" organized by Institute of Statistical Research and Training (ISRT), **University of Dhaka, Bangladesh**, during December 27-29, 2014.

4. Paper presented at International Conference on Robust Statistics, ICORS 2015, organised by Indian Statistical Institute, Kolkata, India during 12-16 January, 2015.

5. **Invited Talk** given at the International Seminar on "Climate Change Impact on Developing Countries" organised by Union Christian College, Umiam Khwan, Meghalaya, India on 15-17th October, 2015.

6. Paper presented at "Platinum Jubilee International Conference on Applications of Statistics, Organised by Dept. of Statistics, University of Calcutta, December 21-23, 2016.

7. Paper presented in Joint International Society for Clinical Biostatistics and Australian Statistical Conference 2018 (ISCB ASC 2018) held at the **Melbourne Convention and Exhibition Centre** from 26 – 30 August 2018.