




Gangadhar Meher University, Sambalpur (Faculty Profile)

Name	Dr. Nirupama Sahoo			
Designation	Assistant Professor			
School	Statistics			
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Researcher ID	AAJ-5571-2021			
SCOPUS ID	57195151766			
PubMed ID				
Qualifications				
Degree	Institution	Year	Subject Details	
BA/BSc/BCom	Utkal University, Bhubaneswar	2007	Statistics(H)	
MA/MSc/MCom	Utkal University, Bhubaneswar	2009	Statistics	
PhD	Utkal University, Bhubaneswar	2018	Statistics	
Any other				
Areas of Interest/ Specialization				
Survey Sampling, Econometrics				
Teaching/Research Experience				
Organization/Institution	Designation	Duration	Role	
Utkal University, Bhubaneswar	Ph.D. Scholar	5	Research	
Central University of Odisha, Koraput	Lecturer	2	Teaching	
G.M University, Amruta Vihar, Sambalpur	Assistant Professor	3 (Continuing)	Teaching	
Awards and Honors (Top Five only)				
Gold Medal (P.G. Topper)				
Ph.D. Award				
International Collaboration/Consultancy (Top Five only)				
Extra-mural Projects (Give Details)				
Completed :				
Projects in hand :				
Projects submitted:				
Ph. D. Guidance				
Guided (2), Guiding (1)				
Publications				
Number of Publications:				
Books/Monographs :	Total (1),	Last Five Years (),	Last Three Years (),	Last One Year ()
Book Chapters :	Total (),	Last Five Years (),	Last Three Years (),	Last One Year ()
Research papers:	Total (17),	Last Five Years (),	Last Three Years (),	Last One Year ()
Reviews:	Total (),	Last Five Years (),	Last Three Years (),	Last One Year ()
Book chapters:	Total (),	Last Five Years (),	Last Three Years (),	Last One Year ()



Best Scopus/Peer/Review Publications (Up to 5)

1. Panda, K.B. and Sahoo, N.(May-June, 2015): Systems of Exponential Ratio-based and Exponential Product-based Estimators with their Efficiency, IOSR Jour. Mathematics; Vol. 11, Issue.3, Ver. 1, pp. 73-77, e-ISSN:2278-5728, p-ISSN: 2319-765X.
2. Sahoo, N. and Panda, K.B. (Dec., 2015): Study On Product Estimation; Int. Jour. Of Multidisciplinary Research Review, Vol. 1, No. 10, pp. 165-167, ISSN : 2395-1877.
3. Panda, K.B. and Sahoo, N.(2015): An Efficient Product-type Exponential Estimator of Finite Population mean Using Variable Transformation; Int. Jour. of Statistical Sciences, Vol. 15, pp. 13-19, ISSN: 1683-5603.
4. Panda, K.B. and Sahoo, N. (Nov., 2016): Estimation of Finite Population Variance Using Auxiliary Information; Int. Jour. of Maths. Trends and Technology, Vol. 39, No. 3, pp. 227-231, ISSN: 2231-5373.
5. Panda, K.B. and Sahoo, N. (Oct.-Dec., 2016): An efficient Exponential Ratio-type Estimator for Estimating Population Variance; Bull. Maths and Stat. Research, Vol. 4, Issue. 4, pp. 51-56, ISSN: 2348-0580.
6. Panda, K.B. and Sahoo, N.(2016): Improved Ratio-type Exponential Estimator for Estimating Population Variance Using Auxiliary Information; Int. jour. of Stat. and Systems, Vol. 11, No. 2, pp. 187-195, ISSN: 0973-2675.
7. Panda, K.B. and Sahoo, N. (2017): Estimation of Finite Population Mean Using Variable Transformation; Int. Jour. of Agri. Stat. Sci., Vol. 13, No. 1, pp. 141-144, ISSN: 0973-1903.
8. Panda, K.B. and Sahoo, N. (2017): An Efficient Product Estimator using Harmonic Mean; Int. Jour. of Maths. Trends and Technology, Vol. 50, No. 5, pp. 276-278, ISSN: 2231-5373.
9. Panda, K.B. and Sahoo, N. (2018): An Efficient Product-Type Estimator of Finite Population Mean; Int. Jour. for Research in Applied Science and Engineering Technology, Vol. 6, Issue. 2, pp. 933-936, ISSN: 2321-9653.
10. Panda, K.B. and Sahoo, N. (2020): An Efficient Exponential Ratio-type Estimator in Post-Stratification using Variable Transformation; Int. Jour. of Mathematics and Statistics, Vol. 21, Issue. 1, pp. 68-74, ISSN: 0973-8347 (online).
11. Sahoo, N. (2020): An Improved Class of Ratio-Type Estimators of the Population Variance in Simple Random Sampling Scheme; International Journal of Research and Analytical Reviews (IJRAR), Vol. 7, Issue. 4, pp. 94-101, E-ISSN 2348-1269, P- ISSN 2349-5138.
12. Sahoo, N. and Dash, S. (2020): An Efficient Product-Type Exponential Estimator In Post-Stratification; Bull. Maths and Stat. Research, Vol. 8, Issue. 2, pp. 01-05, ISSN: 2348-0580.
13. Sahoo, N. and Dash, S. (2021): Sequence of Exponential Ratio-type and Exponential Product-type estimators in Post-Stratification with their Efficiency; Int. jour. of Stat. and Systems, Vol. 6, No. 1, pp. 67-76, ISSN: 0973-2675.
14. Sahoo, N. and Bhoi, Doleswar (2021): An Analysis of Family Medical History with Chronic Health Condition and Death among Elderly Population in Odisha; Journal of Cardiovascular Disease Research, Vol. 12, Issue No.-01, pp. 679-687, ISSN: 0975-3583,0976-2833.
15. Sahoo, N. and Jhankar, S. K. (2022): A Chain Product-Type Exponential Estimator for Population Mean in Double Sampling; Bull. Maths and Stat. Research, Vol. 10, Issue. 4, pp. 36-41, ISSN: 2348-



0580. DOI:10.33329/bomsr.10.4.36

16. Sahoo, N. and Jhankar, S.K. (2022): An Exponential Ratio-Type Estimator For Estimating Population Variance With its Efficiency; Int. Jour. of Agri. Stat. Sci., Vol.18, Supplement 1, pp. 1085-1089, ISSN: 0973-1903, e-ISSN: 0976-3392. DocID: <https://connectjournals.com/03899.2022.18>
17. Sahoo, N. and Jhankar, S.K. (2023): Enhancement of Exponential Ratio-Type and Product-Type Estimators in Two-Phase Sampling; Int. Jour. of Mathematics and Statistics, Vol.24, Issue.1, pp.51-60, ISSN: 0974-7117 (print), ISSN: 0973-8347 (online).

BOOK PUBLICATIONS:

1. Sahoo, Nirupama, **Auxiliary Information in Survey Sampling**, AAYU Publication, Delhi, 2022-2023, ISBN: 978-93-91685-03-4.

Paper Presentation in Major Conferences (Up to 5)

Presentation of Paper in Conferences and Seminars

1. 17th Annual Conference on “Statistics and Informatics for Smart Decisions in Managing Resources: Issues and Challenges” held at Birla Institute of Management Technology, Bhubaneswar, Odisha from 23rd to 25th February 2015.
2. Utkal University Research Scholars’ Conclave-2016 (UURSC-2016), VaniVihar, held on 30th April, 2016, Bhubaneswar, Odisha.
3. National Seminar on “Operational Competitiveness in Service & Manufacturing Sector in 21st Century” on 24th February 2018 organized by Birla School of Management Technology, Birla Global University, Bhubaneswar, Odisha.
4. National Seminar on “ Statistics In Research: Trends & Applications” organized by P.G. Department of Statistics, Utkal University, Vani Vihar, Odisha in association with ORSI, Bhubaneswar Chapter; on 15th April, 2018.
5. International Conference On “Recent Advances in Statistics And Data Science For Sustainable Development” organized by P.G. Department of Statistics, Utkal University, Vanivihar, Bhubaneswar, Odisha in conjunction with Indian Society for Probability & Statistics (ISPS) during 21-23rd December, 2019.
6. International Conference On “Statistics and Data Science: Theory and Practice for Progress and Prosperity ” organized jointly by P.G. Department of Statistics, University College of Science, Osmania University, Hyderabad and Indian Society for Probability & Statistics (ISPS) during 11-13 March, 2022.
7. A one day International Seminar on “Applications of Statistical Computing & Data Analytics-2022” organized jointly by P.G. Department of Statistics, Sambalpur University, Sambalpur on 29th June 2022.
8. Odisha Research Conclave-2022 organized by Odisha State Higher Education Council (OSHEC), held on 14th -16th November 2022, Ravenshaw University, Cuttack, Odisha.
9. An Invited Talk Presentation in International Conference On Knowledge Discoveries On Statistical Innovations & Recent Advances In Optimization organized by Department of Statistics and Population Research Centre, Andhra University, Visakhapatnam (ICON-KSRAO) held on 29th & 30th December-2022.

Patents (if any)

Filed: (), Accepted: ()

Events (Seminar/Symposium/Webinar/Workshop/FDP/Conference etc.) organized in capacity of convener/co-convener

Organization of Conferences /Seminars/Webinars/Workshops

1. National Webinar Series on “Statistical Methodology for Working with Uncertainty” organized by School of Statistics, Gangadhar Meher University, Amruta Vihar, Sambalpur-768004 on 24th and 26th September 2020. **(Organising Secretary)**
2. National Webinar Series on “Application of Statistics for National Planning” organized by School of Statistics, Gangadhar Meher University, Amruta Vihar, Sambalpur-768004 on 29th June 2021. **(Co-Convener)**
3. Extra-Mural Lecture on the eve of 102nd birth anniversary of Prof. C.R. Rao entitled “Statistics and its Importance in Big data” organized by School of Statistics, Gangadhar Meher University, Amruta Vihar, Sambalpur-768004 on 29th June 2021. **(Organising Secretary)**
4. National Webinar on “Nutrition Assessment for Elderly” organized by Odisha Center for Geriatrics and Gerontology (OCGG), Gangadhar Meher University, Amruta Vihar, Sambalpur-768004 on 25th November 2022. **(Convener)**
5. National Webinar on “ Applications of Statistics and Machine Learning in Research Perspective” organized by



School of Statistics, Gangadhar Meher University, Amruta Vihar, Sambalpur-768004 on 13th January 2023. (Co-Convener)

Refresher Course/ OP/ FDP

1. Completed Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education”, organized by Teaching Learning Centre, Ramanujan College, University of Delhi from 10th December 2020 to 8th January 2021.
2. Completed Refresher Course on “Application of Statistical Techniques in Real World”, organized by Teaching Learning Centre, Ramanujan College, University of Delhi from 01st May 2021 to 15th May 2021.
3. Completed Refresher Course on “Managing online Classes & Co-creating MOOCS 14.0”, organized by Teaching Learning Centre, Ramanujan College, University of Delhi from 07th May 2022 to 21st May 2022.

Memberships of Professional Bodies/Societies (Up to 5)

1. Indian Society for Probability and Statistics
2. Life Member of Society of Statistics, Computer and Applications , New Delhi