



Asis Kumar Senapati, Ph.D

Assistant Professor

(Grade I/ Stage III)

Department of Economics

Ravenshaw University

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Academic Qualifications

Associate Professor and Head in Economics and Development Studies, Central University of Jharkhand, Ranchi from August, 2023 to July 2024.

Assistant Professor (Stage III/Grade I) in Department of Economics, Ravenshaw University since November, 2013.

Submitted and awarded Ph.D. Thesis on” *Rural Household Vulnerability and Insurance against Climatic Shocks in Agriculture: Evidence from Irrigated and Rain-fed Regions of Odisha*” in School of Economics, University of Hyderabad, December, 2017.

Submitted and awarded a Dissertation titled “*Impact of Liberalization on the Growth and Productivity of Manufacturing Sector: A Comparative Study of Orissa and Tamil Nadu* ” for M. Phil. Degree from Pondicherry Central University in September, 2009 with First Class with Distinction as well as **Topper (Gold Medalist)** of the Department. Qualified **UGC- JRF** (Junior Research Fellowship) twice held in 2008 and 2009.

Completed Master of Arts in Analytical & Applied Economics from Utkal University in September, 2007 with First Division as well as **Topper (Gold Medalist)** of the Department. Received two Gold medals in Economics. Micro Economics, Macro Economics, Indian Economy, Public Finance, Environmental Economics, Development

Economics, International Trade, Statistics, Econometrics and Finance are the papers studied during P.G. level.

Passed Bachelor of Arts with Economics (Hons.), Statistics and History as electives from B.J.B (A) College, Bhubaneswar, under Utkal University, B.B.S.R, Orissa in June, 2005 and secured the **Second Topper (Rank 2) with Distinction** in the college. Micro Economics, Macro Economics, Indian Economy, Public Finance, Development Economics, Money Banking and International Trade, Statistics, and Mathematical Economics are the papers studied during U.G. level.

Research Area of Interest

Applied Econometrics, Environmental Economics, Behavioral Economics, Risk management in agriculture and Development Economics

Papers Taught: Elementary Econometrics, Basic Econometrics, Advance Econometrics,

Applied Econometrics, Economics of Growth, Statistics (Minor), Statistics for Economics-II (Major), Development Economics-I, and Indian Economy and Policy

Research Guidance (Ph.D)

1. Gayatree Sahoo (Ph.d Submitted)
(ICSSR Doctoral Fellow)UGC-NET
QualifiedPh.D
E-mail: sahoogayatree100@gmail.com
2. Sanket Bohidar
(OURIIP Fellow)UGC-NET
QualifiedPh.D
E-mail: sanketbohidar@gmail.com
3. Milan Kumar Sethy
Ph.D
UGC-NET Qualified (NFSC Fellow)
E-mail: skmilankumar16@gmail.com
4. Shabnam Parwin
E-mail: shabnamsp02@gmail.com

Asish Kumar Pradhan (awarded M.phil thesis): “Linking Growth and Productivity of MCL with Workmen Safety and R&R Policy”. (2013-14)

Subhashree Lenka (awarded M.phil Thesis): “Assessment of Coping and Adaptation Strategies of Farmers against Climate Induced Natural Disasters in Odisha”. (2015-16)

Kalpana Ojha (awarded M.phil thesis) “Socio Economic Empowerment of Women through Micro Entrepreneurship in Jagatsinghpur District of Odisha”. (2016-17)

Gayatree Sahoo (Awarded M.phil Thesis) “Effects of coal mining operations on health, environment, and livelihood of local residents: A study of Talcher coalfield area of Anugul district, Odisha”. (2018-19)

Milan Kumar Sethi (Awarded M.phil) “Biodiversity Conservation and Eco-tourism: An Assessment of Chilika Coastal Wetland Ecosystem of Odisha”. (2020-21)

Shabnam Parwin (Awarded M.Phil), “Discrimination and health awareness at workplace: a case study in Odisha”, 2021-22.

Publications

1. **Senapati, A.K.**, Insuring against climatic shocks: Evidence on farm households' willingness to pay for rainfall insurance product in rural India, *International Journal of Disaster Risk Reduction*, 2020, 42(2020): 01-12. (**Elsevier**)
2. **Senapati, A.K.**, Evaluation of risk preferences and coping strategies to manage with various agricultural risks: evidence from India, *Heliyon*, 2020, 6(3):1-13. (**Elsevier**)
3. **Senapati, A.K.**, Assessing the vulnerability of agricultural households to covariate and idiosyncratic shocks: a case study in Odisha, India, *Climate and Development*, 2019, 1-15. (**Taylor and Francis, Routledge**)
4. **Senapati, A.K.**, An indicator-based approach to assess farm households' vulnerability to climate change: evidence from Odisha, India, *Spatial Information Research*, 2019, 1-19. (**Springer Nature, Singapore**)
5. **Senapati, A.K.**, Weather effects and their long-term impact on agricultural yields in Odisha, East India: Agricultural policy implications using NARDL approach, *Journal of Public Affairs*, 2020, 20(4): 01-15. (**WILEY**)
6. **Senapati, A.K.**, Do Farmers Value Insurance Against Extreme Droughts and Floods? Evidence from Odisha, India, *Global Business Review*, 2020, 21(5): 01-24. (**SAGE**)
7. **Senapati, A.K.** Role of Risk Aversion and Insurance Adoption against Extreme Climatic Shocks: Evidence from Indian Paddy Growers. *CAB International, U.K .*, September, 2023.
8. **Senapati, A.K.**, G. Sahoo., and D. Parida, Need for Financing and Empowering Women Entrepreneurs in the MSME Sector: Evidence from Odisha, India, *Journal of Development Policy and Practice*, 2024 (**SAGE**).
9. C.S. Bahinipati., U. Patnaik., and **A.K.Senapati**, Building resilience to floods in India: human development, income, inequality and forest cover, **Current Science**, 127(8): 931-939.
10. Akber, N., K.R. Paltasingh, **A.K. Senapati.**, and A.K. Mishra, Exploring the role of public investment and farm subsidy in driving farm TFP convergence across Indian states, *European Review of Agricultural Economics*, 1-29, 2025 (**Oxford University Press**)
11. Sahoo, G., and **A.K. Senapati**, Are the households in coal mining regions more vulnerable? A study in Talcher Coalfield of India, *Mineral Economics*, 2021, 34

(2021): 01-21. (**Springer Nature**)

12. Sahoo, P., and **A.K. Senapati.**, Poverty Alleviation and Pro-Poor Growth in Odisha, India: A Disaggregate Analysis, *Economic & Political Weekly*, 2022, 57(46): 45-52. (**EPW Special Article**)
13. **Senapati, A.K.**, and P. Goyari, Effect of Climate Variability on Yields of Major Crops Grown in Odisha, India. *Indian Journal of Agricultural Economics*, 2020, 6(3): 186-216. (**Won Dr. D.K. Desai Award for Best paper**)

14. Sahoo, P., and **A.K. Senapati**, Growth and Regional Disparities in Odisha: An Analysis in the Post-reform Period, *Arthaniti: Journal of Economic Theory and Practice*, 2020, 20(1):1-18. (SAGE)
15. Pradhan, A.K., and **A.K. Senapati**, Mining Displacements and Rehabilitation and Resettlement Process in Mahanadi Coalfields Limited: An Empirical Investigation, *Energy, Environment and Globalization*, 2019, 145-161. (Springer Nature, Singapore)
16. **Senapati, A.K.**, and K. Ojha, Socio-economic Empowerment of Women Through Micro-entrepreneurship: Evidence from Odisha, India, *International Journal of Rural Management*, 2019, 15(2): 159-184. (SAGE)
17. **Senapati, A.K.**, and D. Parida, Labour force Participation, Gender Equality and Women's Empowerment through Micro- entrepreneurship: Evidence from Odisha, India, *IMIB Journal of Innovation and Management*, 2022, 2(1): 01-18 (SAGE)
18. Milan, S.K. and **A.K. Senapati**. Ecotourism Opportunities and Biodiversity Conservation: Evidence from Chilika Coastal Wetland Ecosystem, Odisha, 2023, *International Journal of Geo-heritage and Park*, 13(2):497-513 (Elsevier).
19. Sahoo, G. and **A.K. Senapati**. Coal Mining in India: A Micro-level Analysis of Impacts on Human Health, 59(32): 57-62. 2024, *Economic & Political Weekly (EPW Special Article)*
20. **A.K. Senapati.**, G.Sahoo., and D. Parida. Need for Financing and Empowering Women Entrepreneurs in the MSME Sector: Evidence from Odisha, India, 2024, *Journal of Development Policy and Practice* (SAGE)
<https://doi.org/10.1177/24551333241293875>
21. Sahoo, G., B. Mahata; and **A.K. Senapati**. Understanding the mining-induced displacement and variation in land use pattern of Talcher Coalfield Region of Odisha, India, 90(3): 1-16, 2025, *GeoJournal* (Springer Nature)
22. Bohidar, S., and **A.K. Senapati**. Assessing Agricultural Vulnerability to Climate Extremes in Rayalaseema and KBKK Regions of India: A Panel ARDL Approach, 2025, 3 (1): 1-23, *Discover Agriculture* (Springer Nature)
23. **Senapati, A.K.**, and P. Goyari, Growth and instability in agricultural productivity in Odisha, *Agricultural Economics Research Review*, 2019, 32(1): 55-65.
24. Pradhan, A.K., and **A.K. Senapati**, Workmen Safety and Health: A Rethinking on Mines Safety in Mahanadi Coal Limited (MCL), *Productivity*, 2018, 59(2): 148-163.
25. **Senapati, A.K.** and P. Goyari, Agricultural Growth and Production Variability of Principal Crops in India: An Empirical Investigation, *Advances in Plants & Agriculture Research*, 2018, 8 (1): 45-51. (Medcrave, U.S.A.)

26. **Senapati, A.K.**, and K.R. Paltasingh, Controversy of Trade Policy Orientation and Productivity Growth in the manufacturing sector: Evidence from three Indian states, *Asian Economic Review*, 2010, 52 (3), 471-486.
27. **Senapati, A.K.**, and P. Goyari, Growth Performance and Fluctuations in Output of Selected Crops in Odisha: A District Level Analysis, *Agricultural Economics Research Review*, 2012, 25(conf).
28. **Senapati, A.K.**, and S. Lenka, Farm Households' Adaptation Strategies to Climate Change: Empirical Evidences from Kendrapara and Bargarh District of Odisha. eds. Book Titled "*Sustainable Natural Resources Management*", 2020, SSDN Publishers& Distributors, New Delhi.
29. **Senapati, A.K.**, An investigation into observational characteristics of Precipitation and temperature in Odisha from 1950 to 2015: a non-parametric analysis. eds. Book Titled "*Socio-Economic Impact of Climate Change and Urbanisation*", 2019, SSDN Publishers & Distributors, New Delhi.
30. **Senapati, A.K.**, Role of Climatic Shocks in Subsistence Agriculture of Odisha: Evidence from Major Crops. eds. Book Titled "*Agrarian crisis and farmers suicides in India*", 2018, S.K. Book Agency, New Delhi.
31. **Senapati, A.K.**, and K.R. Paltasingh, Impact of Trade Liberalization on the Growth and Productivity of Manufacturing Sector of Three States: A Comparative Study. Eds. Book Titled "*Infrastructure Finance*", 2011, Macmillan, U.K.
32. Lenka, S., and **A.K. Senapati**, Farm Households' Adaptation Strategies to Climate Change against Extreme Climatic Shocks in Odisha, *Ravenshaw Journal of Economics*, 4(1): 96-110.
33. Paltasingh, K.R., and **A.K. Senapati**, *Trade Liberalization and Industrial Productivity*, 2011, New Century Publication, New Delhi.
34. Pradhan, A.K., and **A.K. Senapati**, *Development-induced Displacement and Workmen Safety: A Rethinking on Mines Safety*, 2018, SSDN Publishers& Distributors, New Delhi.
35. Lenka, S., and **A.K. Senapati**, *Farmers' Adaptation Strategies to Climate Change*, 2019, S.K. Book Agency, New Delhi.

Conference/Seminar Attended

1. **Senapati, A.K.**, presented a paper titled "Trade Policy Orientation and Productivity Growth in the Manufacturing Sector: A Comparative Study of Three

States” in a National Conference on ‘Frontier Issues in Technology, Development and Environment’ organized by IASSI, Madras School of Economics and Supported by Global Knowledge Forum, Chennai, March19-21, 2010.

2. **Senapati, A.K.**, presented a paper titled “*Impact of Trade Liberalization on the Growth and Productivity of Manufacturing Sector of Three States: A Comparative Study*” in the International Conference on ‘Infrastructure Finance’, organized by Vinod Gupta School of Management, IIT Kharagpur, West Bengal, June 3-5, 2010.
3. **Senapati, A.K.**, presented a paper titled “Performance of Manufacturing Sector in terms of Growth and Productivity During Pre-reform and Post-reform Period: An Evidence from Indian States” in the 47th Annual Conference of The Indian Econometric Society (TIES), Organized by Devi Ahalya University, Indore, Madhya Pradesh, January 6-8, 2011.
4. **Senapati, A.K.**, presented a paper titled “Risk, Uncertainty and Crop Insurance in Indian Agricultural Sector: A Review” in the National Seminar on “Inclusive Growth in Agriculture”, organized by the Department of Economics, Osmania University, Hyderabad, Andhra Pradesh, 12th February 2011.
5. **Senapati, A.K.**, received Best Research Paper award in a National seminar on Climate change, Agriculture and food security-issues and challenges organized by Council of Social Action, Berhampur, Odisha during 19-20 October 2015.
6. **Senapati, A.K.**, presented a paper titled “Agricultural Growth Performance and Widespread Instability in Odisha: A Disaggregate Analysis”, in the 53rd Annual Conference of The Indian Econometric Society (TIES), held at the National Institute of Science Education and Research (NISER), Bhubaneswar on December 22-24, 2016.
7. **Senapati, A.K.**, presented a paper titled “An Indicator-based Approach to Assess Farm Households’ Vulnerability to Climate Change: A Case Study in Odisha, India” in the NABARD Chair Seminar on “Restored Ecosystem and Rural Livelihood” held at Institute of Economic Growth, New Delhi on 8th & 9th March, 2018.
8. **Senapati, A.K.**, organized a 2-day National Seminar on “Green Revolution and Agricultural Sustainability in India: Issues and Challenges” at Ravenshaw University as organizing secretary.
9. **Senapati, A.K.**, contributed in a visiting lecture titled “Role of risk aversion and insurance adoption against extreme climatic shocks: Evidence from Indian Paddy Growers” organized by SJSOM, IIT Bombay in an International Workshop on “Reimagining risk and vulnerability in Indian Agriculture” from 10th March to 11th March, 2023.

10. **Senapati, A.K.**, participated a National Conference on “Health Economics in India: Issues, Strategies and Challenges Organized by the Department of Economics, School of Management, Pondicherry Central University ,20th April 2009.
11. **Senapati, A.K.**, attended a Workshop-cum-Training Programme on “Financial Econometrics” Organized by the Department of Economics, University of Hyderabad and The Indian Econometric Society (TIES) from 9th November to 13th November, 2010.
12. **Senapati, A.K.**, participated in the national seminar on “India’s Approach to Rural Development in 21st Century”, October 18-19, 2014 at Ravenshaw University, Cuttack.
13. **Senapati, A.K.**, participated in the national seminar on “Agrarian Distress in Odisha: Causes, Consequences, and Remedies”, March 20, 2015 at Ravenshaw University, Cuttack.
14. **Senapati, A.K.**, participated in the International Conference on “India & The Indian Ocean: Renewing the Maritime trade & Civilisational Linkages”, March 20-22, 2015 at Bhubaneswar, Odisha.
15. **Senapati, A.K.**, participated 2-day training program on “Gender Budgeting” organized by Madhusudan Academy, Bhubaneswar during 25-26 September 2015.
16. **Senapati, A.K.**, participated 3-day training program on DEV-INFO software organized by Gopabandhu Academy of Administration, Bhubaneswar during July 16-18, 2015.
17. **Senapati, A.K.**, participated 2-day teachers training programme under India-Eu E-QUAL project organized by University of Hyderabad during 18-19th October, 2016.
18. **Senapati, A.K.**, participated in 98th orientation programme held in University of Hyderabad during May 17 to June 13, 2017.
19. **Senapati, A.K.**, participated in Refresher course held in University of Hyderabad during June 01 to June 21, 2018.
20. **Senapati, A.K.**, participated in one-week Faculty Development Programme held at University of Delhi during 17th September to 23 September 2019.
21. **Senapati, A.K.** participated two-week Refresher course held in University of Hyderabad during July 01-15, 2021.
22. **Senapati, A.K.**, contributed in a Visiting Lecture Titled: “Heteroscedasticity Problem and Practical Session”, The Indian Econometric Society, 2017.

23. **Senapati, A.K.**, contributed in a Visiting Lecture Titled: “The Relevance and Significance of Correlation and Regression Analysis in Social Science Research”, Central University of Punjab, 2021.
24. **Senapati, A.K.**, contributed in a Visiting Lecture Titled: “Publish or Perish: Role of Journal Finder Tools Viz. JANE, Elsevier and Springer Nature for Academic Research”, RPE Course work session, Ravenshaw University organized centrally, 2021.
25. **Senapati, A.K.**, contributed in a Visiting Lecture Titled: “Mitigation and Adaptation Strategies for Climate Related Disasters at the Backdrop of COVID-19 with examples from previous Disasters, Assam Don Bosco University, 2020.
26. **Senapati, A.K.**, contributed in a Visiting Lecture Titled: “Towards the realization of Gender Equality and Women’s Empowerment through Micro Entrepreneurship”, Sociology Department, Ravenshaw University, 2019.
27. **Senapati, A.K.**, received Best record of research paper publication during 2018-19 and 2019-20 from the honourable Vice Chancellor, Ravenshaw University.
28. **Senapati, A.K.**, received Best record of research paper publication during 2023-24 from the honourable Vice Chancellor, Ravenshaw University.
29. **Senapati, A.K.**, contributed in a visiting lecture series titled “Financial Econometrics” from 16.12.2021 to 21.12.2021 online mode organized by Utkal University. (Total 7 Lectures 2 hours each).
30. **Senapati, A.K.**, contributed in a visiting lecture titled “Understanding Climate Change in India: Issues and Challenges” organized by G.M. University, Sambalpur, Odisha on 03.12.2022.
31. **Senapati, A.K.**, contributed in a visiting lecture titled “Training on Research Methodology” organized by regional institute of planning, applied economics & statistics (Planning & Convergence Department, Govt. of Odisha) from 16th to 21st January, 2023.
32. **Senapati, A.K.**, Won Best research paper award from **Springer Nature** organized by NIDM in a conference title “Resummit-2047” on 19th Jan 2023.
33. **Senapati, A.K.**, Developed one online e-course module for Utkal University titled “Financial Economics”, 2021.
34. **Senapati, A.K.**, working as NSS Programme Coordinator, Ravenshaw University from march, 2022.
35. **Senapati, A.K.**, working as associate editor of Ravenshaw Journal of Economics.
36. **Senapati, A.K.**, Executive editor of “Arthatathya”, annual magazine of Department of Economics, Ravenshaw University.
37. **Senapati, A.K.**, Faculty screening committee member from 2014 to 2020,

Ravenshaw University, Cuttack

38. **Senapati, A.K.**, Screening officer of Prerana Fellowship section, Ravenshaw University.
39. **Senapati, A.K.**, Admission Committee member, Ravenshaw University.
40. **Senapati, A.K.**, Seminar Advisor, Department of Economics, Ravenshaw University from 2019 to 2022.
41. **Senapati, A.K.**, chaired a technical session and participated in a panel discussion on “Localizing SDGs in Odisha: evidence from the field” in an International conference organized by CIM, Patna (Government of Bihar) and Georgia University, USA, 25-26 June, 2025.
42. **Senapati, A.K.**, delivered a lecture on “The need and Relevance of Behavioral assumptions in Economics” as key note speaker in the state level seminar organized by department of economics, Gopabandhu college, Bari, Jajpur on 16th April 2025.
43. **Senapati, A.K.**, delivered an extramural lecture on “Mental health and well-being at the workplace: evidence from Odisha, India” as key note speaker in the state level seminar organized by department of economics, North Orissa University (MSCB University) on 26th March 2025.
44. **Senapati, A.K.**, delivered an extramural lecture on “Mental health and well-being at the workplace: evidence from Odisha, India” as key note speaker in the state level seminar organized by department of economics, North Orissa University (MSCB University) on 26th March 2025.
45. **Senapati, A.K.**, delivered a lecture on “Understanding farm households’ Insurance Adoption Behaviour in India: Issues and Challenges” as chief speaker in a state level seminar organized by department of economics, Derabis College, Kendrapara on 6th March 2025.
46. **Senapati, A.K.**, delivered a lecture on “Towards developing a theory on occupational stress and mental well-being of workers in India: Issues and challenges” as chief speaker in a state level seminar organized by department of economics and political science, Government women’s college, Baripada on 4th March 2025.
47. **Senapati, A.K.**, chaired a session and acted as a discussant in a technical session organized by Odisha Economic Association and department of economics, Ravenshaw university on 8th feb, 2025.
48. **Senapati, A.K.**, acted as a coordinator in pre-conference workshop on NSSO data extraction and analysis organized by Odisha Economic Association and department of economics, Ravenshaw university on 6th

feb, 2025.

49. **Senapati, A.K.**, contributed in a two day visiting lecture titled “Emerging issues in Agricultural and Resource Economics: Data base, methods and policy implications” and “Emerging issues in Environmental and Ecological Economics” organized by Department of Economics, FSS, Banaras Hindu University (BHU), U.P. from 24th Sept to 25th Sept, 2023.

50. **Senapati, A.K.**, contributed in a two day visiting lecture organized by Department of Economics, MANUU, Central University, from 22nd March to 23rd March, 2022.

Research funds sanctioned and received from various agencies, industry and other organisations

Project Title	Agency	Period	Amount (Rs. in lakhs)
Role of Women Entrepreneurs in promotion of rural economy of Odisha	OURIIP SEED FUND, OSHEC, GOVT. OF ODISHA	2 years as sole PI	402000 (Completed)
Climate Shocks, Insurance Adoption and Farmers Welfare in select areas of Eastern India: Assessing the impact of PMFBY on farm productivity	ICSSR	Special Short term Empirical Research 2023-24 as Project Director	1300000 (Completed)

Reviewer Certificate Received

Journal Name
Scientific Reports (Nature)
European Journal of Development Research (Springer)
Journal of Public Affairs (Wiley)
World Development Perspectives (Elsevier)
Environmental Quality Management (Wiley)
Journal of Economic and Administrative Sciences (Emerald Insight)
Environmental Science and Pollution Research (Springer)
International Journal of Rural Management (SAGE)
SN Business & Economics (Springer)
Research in Globalization (Elsevier)
Cogent Economics and Finance (Taylor and Francis, Routledge)
International Journal of Public Administration (Taylor and Francis, Routledge)
Innovation and Green Development (Elsevier)
Indian Economic Journal (SAGE)
Energy Research and Social Science (Elsevier)
Heliyon (Elsevier)
Climate Services (Elsevier)
Humanities and social science open (Elsevier)
International Journal of disaster risk reduction (Elsevier)
Progress in disaster science (Elsevier)

Academic Distinctions

Selected for University Grants Commission Junior Research Fellowship (JRF) in 2008 and again in 2009.

Gold Medalist and Topper in M.A., and M.Phil Level.

2nd rank holder in Odisha during Under-graduate level in Economics (Hons.)

Best Research Paper Award from Council of Social Action.

Dr. D.K. Desai Award for Best Research Paper Award from Indian Journal of Agricultural Economics (Scopus Listed) and received citation and a cheque INR 10,000.

Won Best Research Paper Award from **Springer Nature** in a conference titled “Resummit-2047” organized by NIDM.

Best Publication record from Ravenshaw university during 2018-19 and received a citation.

Best Publication record from Ravenshaw university during 2023-24 and received a citation.

Computer Knowledge:

- Software Packages E-VIEWS, STATA, SPSS, and RATS

Qualitative Skills:

- Strong Interpretation Skills
- In-depth Understanding of the Subject
- Keen Observer
- Good Comprehensive Skill.

- Precise Writing



(Asis Kumar Senapati)