

CURRICULUM VITAE

Bhagirath Behera

Professor (Economics)

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Education and Qualifications

Post-doc	University of Bonn, Germany	2006
Ph.D. (Economics)	University of Bonn, Germany	2005
M. Phil (Economics)	University of Hyderabad	1999
Masters (Economics)	University of Hyderabad	1998

Research Interests

Environment and Natural Resource Economics, Development Economics, Green Economics, New Institutional Economics, Wellbeing Economics, Public Policy and Governance

Professional Experiences

05.04.2018 – Running: Professor, Indian Institute of Technology, Kharagpur, Kharagpur-721302

02.08.2013 – 04.04.2018: Associate Professor, the Indian Institute of Technology, Kharagpur, Kharagpur-721302

03.05.2007 – 01.08.2013: Assistant Professor, Indian Institute of Technology, Kharagpur, Kharagpur-721302

20. 06. 2006 – 31. 03. 2007: **Research Associate**, Tata Institute of Social Sciences (TISS), Mumbai, in the TATA – LAHDC Development Support Program, Leh, Ladakh.

01. 11. 2005 - 31. 01. 2006: **Post Doc. Researcher**, Center for Development Research (ZEF), University of Bonn, under the junior research group project “Determinants and Effects of Alternative Institutions for Natural Resource Management in Developing Countries”

05. 08. 2002 – 30. 10. 2005: **Junior Researcher**, Center for Development Research (ZEF), University of Bonn, under the junior research group “Determinants and Effects of Alternative Institutions for Natural Resource Management in Developing Countries”.

01. 08. 1999 – 01. 07. 2002: **Research Assistant**, Centre for Economic and Social Studies (CESS), Hyderabad, India.

Research and Consultancy Projects

1. Impact Evaluation Study on Social Sector Projects (Anganwadis) Assisted under Rural Infrastructure Development Fund (RIDF) in West Bengal **National Bank for Agriculture and Rural Development (NABARD)**
2. Impact Evaluation Study on Social Sector Projects (Rural Drinking Water Supply) Assisted under Rural Infrastructure Development Fund (RIDF) in Odisha **National Bank for Agriculture and Rural Development (NABARD)**
3. Third Party Impact Assessment Study of Poornata Course Introduced in 50 Govt. Schools in UP, **Dalmia Bharat Limited**
4. UKIERI Study in India (SII1937) **The University of Edinburgh**
5. Dried Fish Matters: Mapping the Social Economy of Dry Fish in South and South East Asia for Enhanced Well-being and Nutrition **Social Science and Humanities Research Council (SSHRC)**
6. Documentation of Successful Case Studies of Water Conservation under MGNREGS”, Sponsored by National Institute of Rural Development and Panchayati Raj, Hyderabad (Ongoing)
7. Socializing the Micro-Solar Dome: Empowering Marginalized Rural ST and Tribal Communities through Solar Illumination and Solar Electricity, funded by Department of Science and Technology, Government of India (Ongoing).
8. Socializing the Micro-Solar Dome: Empowering Marginalized Rural SC Communities through Solar Illumination and Solar Electricity, Department of Science and Technology, Government of India (Ongoing).
9. Pro-social and pro-environmental preferences of school children in India, sponsored by University of Osnabruck, Germany (Ongoing).
10. Rural Water Quality and Management (Co-PI), sponsored by University of Edinburgh, England (Completed)
11. One Decade of Mahatma Gandhi NREGA - Participatory Assessment and Way Forward in the state of West Bengal, sponsored by National Institute of Rural Development and Panchayati Raj, Rajendranagar, Hyderabad (Continuing)
12. Promoting Socially Inclusive & Sustainable Agricultural Intensification in West Bengal & Bangladesh, sponsored by Australian Centre for International Agricultural Research (ACIAR) (Continuing)
13. Adaptation to Climate Change and Sustainable Development: A Study of Convergence Initiatives Under MGNREGA in West Bengal, sponsored by National Institute of Rural Development and Panchayati Raj, Rajendranagar, Hyderabad (Continuing)

14. Political Ecology of River: Indo-Swiss exploration of Hydrosocial Dynamics in the Lower Stretch of the Ganges, sponsored by Indian Council of Social Science Research and University of Lausanne, Switzerland (Completed)
15. Impact of Watershed Development on Livelihoods and Households Resilience to Droughts and Other Climatic Shocks: Experience of Odisha and West Bengal, sponsored by National Bank for Agriculture and Rural Development (NABARD) (Completed)
16. Impact evaluation study on irrigation and roads & bridges projects supported under RIDF in West Bengal, sponsored by National Bank for Agriculture and Rural Development (NABARD) (Completed)
17. Impact evaluation study on irrigation and roads & bridges projects supported under RIDF in Odisha, sponsored by National Bank for Agriculture and Rural Development (NABARD) (Completed)
18. Coping with Changing Climate: The Role of Sustainable Use and Management of Traditional Water Harvesting Systems in Odisha and West Bengal, Sponsored by Indian Council of Social Science Research (ICSSR), New Delhi (Completed)
19. Socio-Economic and Ecological Impact Evaluation Study of Forestry Projects Supported under RIDF in West Bengal, sponsored by National Bank for Agriculture and Rural Development (NABARD) (Completed)
20. Ganga River Basin Management Plan, Sponsored by the Ministry of Environment and Forest, Government of India, New Delhi (Completed)
21. Monitoring Convergence between NREGS and Ongoing Schemes of the other Ministries in Orissa, Funded by UNDP, New Delhi (Completed)
22. Appraisal of Procedures and Processes of NREGA in Orissa, funded by the Ministry of Rural Development, Government of India (completed).
23. Payments for environmental services: A review of experiences across countries, Funded by RULNR, Hyderabad (completed)

Research Guidance

Ph.D. Students: 18 M.Sc./M.Tech Students: 30

Publications

Books

1. Datta, P., Mishra, P., & Behera, B. (Forthcoming). Climate Change and Human Well-being: Bridging Subjective and Objective Perspectives. Springer.
2. Reddy, V. R. & Behera, B. 2025. Understanding the Current Socioeconomic and Ecological Crises: In Search of an Alternative Integrated System. Springer
3. Datta, P., Behera, B., Rahut, D.B., and Sonobe, T., 2025. Living on the Edge: Climate Change and Human-Wildlife Interactions in the Buxa Tiger Reserve of India. Springer (April, 2025).

4. Behera, B. 2006. *Determinants of Sustainable Management of Natural Resource: The Case of Joint Forest Management (JFM) in India*, Cuvillier Verlag, Gottingen, Germany.

Articles in International Journals

1. Chettri, D., Datta, P., Behera, B. Rahut, D.B., and Sonobe, T., 2025. Factors influencing the household food security of forest villagers in eastern sub-himalayan india. *Food and Energy Security*. (accepted).
2. Rahut, D.B., Chhay, P., Datta, P., Behera, B., 2025. The Transition of Household Energy Use in Cambodia Since 2004: Trends, Patterns, and Determinants. *Asian Development Review*. (accepted).
3. Mishra, T., Datta, P. and Behera, B., 2024. Corporate environmental responsibility, financial performance and environmental outcomes in India: a review. *Discover Sustainability*, 5(1), pp.1-20.
4. Mishra, T and Behera, B., 2024. External shocks and dynamics of resource use patterns: empirical evidence from the Indian manufacturing sector. *Discover Sustainability* 5(1). DOI: 10.1007/s43621-024-00362-8
5. Datta, P., Behera, B. Rahut, D.B., and Sonobe, T., 2024. Assessing Forest Villagers' Livelihood Vulnerability to the Environmental Changes in Buxa Tiger Reserve of Sub-Himalayan India. *Trees, Forests and People*, p.100632. <https://doi.org/10.1016/j.tfp.2024.100632>
6. Chettri, D., Datta, P., Behera, B., 2024. Climate Change and Household Food Security in the Himalayas: A Systematic Review of the Challenges and Household Adaptative Measures. *Environmental Development*. <https://doi.org/10.1016/j.envdev.2024.101019>
7. Das, U., & Behera, B. (2024). Geospatial assessment of ecological vulnerability of fragile Eastern Duars Forest integrating GIS-based AHP, CRITIC and AHP-TOPSIS models. *Geomatics, Natural Hazards and Risk*, 15(1). <https://doi.org/10.1080/19475705.2024.2330529>
8. Das, U., & Behera, B. (2024). Determinants of household dependency on Buxa Tiger Reserve in India for fuelwood collection and livestock grazing. *International Journal of Geoheritage and Parks*, 12(2), 241-255. <https://doi.org/10.1016/j.ijgeop.2024.03.002>.
9. Das, U., Datta, P., Behera, B., 2024. Assessing the threats of climate change, hazards, and anthropogenic activities on biodiversity conservation in the Buxa Tiger Reserve, India. *Environmental Management*. <https://doi.org/10.1007/s00267-024-01998-y> [Impact factor: 3.5]
10. Naveen, N., Datta, P., Behera, B., Rahut, D.B., 2024. Climate-Smart Agriculture in South Asia: Exploring Practices, Determinants, and Contribution to Sustainable Development Goals. *Mitigation and Adaptation Strategies for Global Change*. <https://doi.org/10.1007/s11027-024-10126-4> [Impact factor: 4.0]
11. Datta, P., Rahut, D.B., Behera, B., Sonobe, T. and Chand, S., 2024. Human Coexistence with Leopards and Elephants: Losses and Coping Strategies in an Indian Tiger Reserve. *Trees, Forests and People*, p.100518. <https://doi.org/10.1016/j.tfp.2024.100518>. [Impact factor: 2.7]
12. Datta, P., Behera, B., Timsina, J., and Rahut, D.B., 2023. Achieving sustainable development through agriculture-forestry-livestock nexus in Bangladesh : Synergies and trade-offs. *Agricultural Systems*. <https://doi.org/10.1016/j.agsy.2024.103854>. [Impact factor: 6.6]
13. Datta, P., Behera, B., and Rahut, D.B., 2023. India's approach to agroforestry as an effective strategy in the context of climate change: An evaluation of 28 state climate change action plans. *Agricultural Systems*. <https://doi.org/10.1016/j.agsy.2023.103840>.

[Impact factor: 6.6]

14. Datta, P., Behera, B., and Rahut, D.B., 2023. Assessing the role of agriculture-forestry-livestock nexus in improving farmers' food security in South Asia: A systematic literature review. *Agricultural Systems*. <https://doi.org/10.1016/j.agry.2023.103807> [Impact factor: 6.6]
15. Behera, B., Chowdhury, K., Mishra, T., Rahut, D. B. 2023. Climate Variability, Rainwater-Harvesting Structures, and Groundwater Levels in Odisha, India: An Empirical Analysis. *International Journal of Water Resources Development*. 10.1080/07900627.2023.2279962
16. Datta, P., Rahut, D. B., Behera, B., Sonobe, T. 2023. Integrating Community Insights into Leopard and Tiger Conservation: Lessons from the Indian Sub-Himalayan Forest. *Global Ecology and Conservation*. DOI: 10.1016/j.gecco.2023.e02723
17. Datta, P., Behera, B. 2023. Assessing farmers' maladaptation to climate change in a sub-Himalayan region of India. *Environment, Development and Sustainability*. <https://doi.org/10.1007/s10668-023-03925-3>
18. Datta, P., Behera, B., Rahut, D. B. 2023. Climate change and water-related threats in the Indian Sundarbans: food security and management implications. *International Journal of Water Resources Development*. DOI: [10.1080/07900627.2023.2224459](https://doi.org/10.1080/07900627.2023.2224459)
19. Chand, S., Behera, B. 2023. Does Assignment of Individual Property Rights Improve Forest Conservation Outcomes? Empirical Evidence from West Bengal, India. *Ecology, Economy and Society—the INSEE Journal* 6(2): 7-31. DOI: [10.37773/ees.v6i2.709](https://doi.org/10.37773/ees.v6i2.709)
20. Chand, S & Behera, B. 2023. Does secured forest land tenure enhance forest dwellers' food security? Empirical evidence from West Bengal, India, *Forests, Trees and Livelihoods*, 32:3, 125-143, DOI: [10.1080/14728028.2023.2217838](https://doi.org/10.1080/14728028.2023.2217838)
21. Das, U & Behera, B. 2023. Forest Dwellers' livelihoods and attitudes towards relocation: insights from Buxa Tiger Reserve, India, *Forests, Trees and Livelihoods*, 32:3, 144-166, DOI: [10.1080/14728028.2023.2217191](https://doi.org/10.1080/14728028.2023.2217191)
22. Das, U & Behera, B. 2023. Trends, patterns and determinants of biodiversity conservation outcomes in Buxa Tiger Reserve, West Bengal, India, *Biodiversity*, 24:1-2, 2-13, DOI: [10.1080/14888386.2023.2195829](https://doi.org/10.1080/14888386.2023.2195829)
23. Das, U., & Behera, B. 2023. Promotion of Biodiversity Conservation and Local Livelihoods in Buxa Tiger Reserve: Challenges and Opportunities. *Journal of Rural Development*, 41(3), 373–386. <https://doi.org/10.25175/jrd/2022/v41/i3/168518>
24. Datta, P., Behera, B. 2022. Factors Influencing the Feasibility, Effectiveness, and Sustainability of Farmers' Adaptation Strategies to Climate Change in The Indian Eastern Himalayan Foothills. *Environmental Management*, 70: 911–925.
25. Datta, P., Behera, B., Rahut, D. B. 2022. Climate change and Indian agriculture: A systematic review of farmers' perception, adaptation, and transformation. *Environmental Challenges*, 8: 1-12.
26. Datta, P., Behera, B. 2022. Do farmers perceive climate change clearly? An analysis of meteorological data and farmers' perceptions in the sub-Himalayan West Bengal, India. *Journal of Water and Climate Change*, 13 (5).
27. Datta, P., Behera, B. 2022. Assessment of adaptive capacity and adaptation to climate change in the farming households of Eastern Himalayan foothills of West Bengal, India. *Environmental Challenges*, 7:1-12.
28. Datta, P., Behera, B. 2022. What caused smallholders to change farming practices in the era of climate change? Empirical evidence from Sub-Himalayan West Bengal, India. *GeoJournal*, 87: 3621–3637.
29. Paria, B., Mishra, P., Behera, B. 2022. Climate change and transition in cropping patterns: District level evidence from West Bengal, India. *Environmental Challenges*, 7:1-07.

30. Chowdhury, K., Behera, B. 2022. Institutional dynamics and water resource management: the case of traditional water bodies in West Bengal, India. *International Journal of Water Resource Development*, 38: 836–860.
31. Pramanik, M., Chowdhury, K., Rana, M. J., Bisht, P., Pal, R., Szabo, S., Pal, I., Behera, B., Liang, Q., Padmadas, S. S., Udmale, P. 2022. Climatic influence on the magnitude of COVID-19 outbreak: a stochastic model-based global analysis. *International Journal of Environmental Health Research*, 32: 1095–1110.
32. Bagchi, N., Mishra, P., Behera, B., Reddy, V. R. 2022. Collectivization of smallholder farmers, strategic competition, and market performance: Experiences from two selected villages of West Bengal, India. *Agribusiness*, 38(3): 710-733.
33. Paria, B., Pani, A., Mishra, P., Behera, B. 2021. Irrigation-based agricultural intensification and future groundwater potentiality: experience of Indian states. *SN Applied Sciences*, 449: DOI:10.1007/s42452-021-04417-7.
34. Bagchi, N., Mishra, P., Behera, B. 2021. Value chain development for linking land-constrained farmers to markets: Experience from two selected villages of West Bengal, India. *Land Use Policy*, 104: 1-13.
35. Baral, N., Paria, B., Behera, B., Mishra P. 2021. Household behaviour and nutrition-sensitive agricultural practices: Experiences of smallholder farmers in Northern West Bengal, India. *World Development Perspective*, 21: 1-10.
36. Chowdhury, K., Behera, B. 2021. Traditional water bodies and cultural ecosystem services: Experiences from rural West Bengal, India. *World Development Perspective*, 24: 1-10.
37. Chowdhury, K., Behera, B. 2021. Economic significance of provisioning ecosystem services of traditional water bodies: Empirical evidence from West Bengal, India. *Resources, Environment and Sustainability*, 5: 1-10.
38. Chowdhury, K and Behera, B. 2020. Traditional water bodies and ecosystem services: Empirical evidence from West Bengal, India. *Natural Resource Forum*, 44(3): 219-235
39. Das, S., Behera, B., Mishra, A. 2020. Property rights and institutional arrangements of a man-made wetland in dryland area of West Bengal, India. *Wetlands*, 40:2553-2560
40. Behera, B., Rahut, D. B. and Sethi, N. 2020. Analysis of household access to drinking water, sanitation, and waste disposal services in urban areas of Nepal, *Utilities Policy*, 62:
41. Hota, P and Behera, B. 2019. Extraction of mineral resources and regional development outcomes: Empirical evidence from Odisha, India, *The Extractive Industries and Society*, 6(2): 267-278.
42. Bhattacharjee, K and Behera, B. 2018. Does forest cover help prevent flood damage? Empirical evidence from India, *Global Environmental Change*, 53: 78-89.
43. Bhattacharjee, K and Behera, B. 2018. Determinants of Household Vulnerability and Adaptation to Floods: Empirical Evidence from the Indian State of West Bengal. *International Journal of Disaster Risk Reduction*, 31: 758-769.
44. Dash, M and Behera, B. 2018. Biodiversity Conservation, Relocation and Socio-economic Consequences: A Case Study of Similipal Tiger Reserve, India. *Land Use Policy*, 78: 327-337.
45. Chowdhury, K and Behera, B. 2018. Is declining groundwater levels linked with the discontinuity of traditional water harvesting systems (tank irrigation)? Empirical evidence from West Bengal, India. *Groundwater for Sustainable Development*, 7: 185-194.
46. Behera, B and Mishra, P. 2018. Democratic Local Institutions for Sustainable Management and Use of Minor Irrigation Systems: Experience of Pani Panchayats in Odisha, India. *Water Economics and Policy*, 4(3): 1-27.
47. Dash, M., Behera, B., Rahut, D. B. 2018. Understanding the Factors Influencing Household Use of Clean Energy in the Similipal Tiger Reserve, India. *Natural Resources Forum*, 42(1): 3-18.

48. Jena, L. K and Behera, B. 2017. Environmental Crisis and Human Well-Being: A Review. *International Journal of Development and Sustainability*, 6(8): 561-574.
49. Ali, A., Imtiaz, M., Rahut, D. B., Behera, B. 2017. Impact of Secured Land Rights on Crop Productivity: Empirical Evidence from Pakistan. *Land Tenure Journal*, 1(16): 62-87. FAO.
50. Rahut, D. B., Behera, B., Ali, A., Marennya, P. 2017. A Ladder within a Ladder: Understanding the Factors Influencing a Household's Domestic Use of Electricity in Four African Countries. *Energy Economics*, 66: 167-181.
51. Rahut, D. B., Behera, B., Ali, A. 2017. Domestic Use of Dirty Energy and Its Effects on Human Health: Empirical Evidence from Bhutan. *International Journal of Sustainable Energy*, 36: 983-993.
52. Bhattacharjee, K and Behera, B. 2017. Forest Cover Change and Flood Hazards in India. *Land Use Policy*, 67: 436-448.
53. Rahut, D. B., Behera, B., Ali, A. 2017. Factors Determining Household Use of Clean and Renewable Energy Sources for Lighting in Sub-Saharan Africa. *Renewable & Sustainable Energy Reviews*, 72: 661-672.
54. Rahut, D. B., Behera, B., Ali, A. 2016. Patterns and Determinants of Household Use of Fuels for Cooking: Empirical Evidence from Sub-Saharan Africa. *Energy*, 117: 93-104.
55. Dash, M., Behera, B., Rahut, D. B. 2016. Determinants of Household Collection of Non-timber Forest Products (NTFPs) and Alternative Livelihood Activities in Similipal Tiger Reserve, India. *Forest Policy and Economics* 73, 215–228.
56. Rahut, D. B., Ali, A., Chhetri, N. B., Behera, B and Jena, P. R. 2016. Access to Safe Drinking Water and Human Health: Empirical Evidence from Rural Bhutan. *Water Science and Technology: Water Supply*, DOI: **10.2166/ws.2016.063**
57. Hota, P and Behera, B. 2016. Opencast Coal Mining and Sustainable Local Livelihoods in Odisha, India. *Mineral Economics*, 29: 1-13.
58. Rahut, D. B., Ali, A., Behera, B. 2016. Do Forest Resources Help Increase Rural Household Income and Alleviate Rural Poverty? Empirical Evidence from Bhutan. *Forests, Trees and Livelihoods*, 25(3): 187-198.
59. Mishra, P and Behera, B. 2016. Socio-Economic and Environmental Implications of Solar Electrification: Experience of Rural Odisha. *Renewable and Sustainable Energy Reviews*, 56: 953-964.
60. Rahut, D. B., Jena, P. R., Ali, A., Behera, B., Chhetri, N. B. 2015. Rural Nonfarm Employment, Income, and Inequality. *Asian Development Review*, 32(2): 1–30.
61. Ali, A., Rahut, D. B., Behera, B. 2016. Factors Influencing Farmers' Adoption of Energy-Based Water Pumps and Impacts on Crop Productivity and Household Income in Pakistan. *Renewable and Sustainable Energy Reviews*, 54: 48-57.
62. Rahut, D. B., Behera, B., Ali, A. 2016. Household Energy Choice and Consumption Intensity: Empirical Evidence from Bhutan. *Renewable and Sustainable Energy Reviews*, 53: 993-1009.
63. Dash, M and Behera, B. 2015. Local Institutions, Collective Action and Forest Conservation: The case of Similipal Tiger Reserve in India. *Journal of Forest Economics*, 21: 167-184.
64. Hota, P and Behera, B. 2015. Coal Mining in Odisha: An Analysis of Impacts on Agricultural Production and Human Health. *The Extractive Industries and Society*, 2(4): 683-693.
65. Rahut, D. B., Ali, A., Behera, B. 2015. Household Participation and Effects of Community Forest Management on Income and Poverty Levels: Empirical Evidence from Bhutan. *Forest Policy and Economics*, 61: 20-29
66. Behera, B., Rahut, D. B., Aryal, J., Ali, A. 2015. Household Collection and Use of Biomass Energy Sources in South Asia. *Energy*, 85: 468-480.

67. Das, S., Behera, B., Mishra, A. 2015. Determinants of Household Use of Wetland Resources in West Bengal. *Wetland Ecology and Management*, 23: 803-816 (Springer).
68. Ali, A., Rahut, D. B., Behera, B., Imtiaz, M. 2015. Farmers' Access to Certified Wheat Seed and its Effect on Poverty Reduction in Pakistan. *Journal of Crop Improvement*. 29(2): 247-265 (Taylor and Francis).
69. Rahut, D. B., Behera, B., Ali, A. 2015. Household Access to Water and Choice of Treatment Methods: Empirical Evidence from Bhutan. *Water Resources and Rural Development*, 5: 1-16 (Elsevier).
70. Rahut, D. B., Das, S., Groote, H. D., Behera, B. 2014. Determinants of Household Energy Use in Bhutan", *Energy*, 69: 661-672 (Elsevier).
71. Dash, M., Behera, B. 2012. Management of Similipal Biosphere Reserve Forest: Issues and Challenges. *Advances in Forestry Letter*, 1: 7-15 (Science and Engineering Publishing Company, USA).
72. Behera, B., Vishnu, R. 2011. Analyzing the Impact of Anthropogenic Factors on the Environment in India. *Environment and Natural Resources Research*, 1(1): 117-129 (Canadian Center of Science and Education).
73. Nath, P. K., Behera, B. 2011. A Critical Review of Impact of and Adaptation to Climate Change in Developed and Developing Economies. *Environment, Development and Sustainability* 13(1): 141-162 (Springer).
74. Mishra, P., Behera, B., Nayak, N. C. 2010. A Development Delivery Institution for the Tribal Communities: Experience of the National Rural Employment Guarantee Scheme in India. *Development Policy Review* 28(4): 457-479 (Blackwell).
75. Behera, B. 2009. Explaining the Performance of State-Community Joint Forest Management in India. *Ecological Economics*, 69 (1): 177-185 (Elsevier).
76. Reddy, V. R., Behera, B. 2009. Economic Viability of Rehabilitation of Traditional Water Harvesting System: Empirical Evidence from South India. *Quarterly Journal of International Agriculture*, 48(4): 321-336 (Humboldt University, Berlin).
77. Reddy, V. R., Behera, B. 2009. The Economic and Ecological Impacts of Tank Restoration in South India. *European Journal of Development Research* 21(1): 112-136 (Palgrave).
78. Reddy, V. R., Behera, B. 2006. Impact of Water Pollution on Rural Communities: An Economic Analysis. *Ecological Economics* 58(3):520-537 (Elsevier).
79. Behera, B., Engel, S. 2006. Institutional Analysis of Evolution of Joint Forest Management (JFM) in India: A New Institutional Economics (NIE) Approach. *Forest Policy and Economics* 8(4): 350-362 (Elsevier).

Articles in Indian Journals

1. Nayak, N. C., Mishra, P., Behera, B & Chatterjee, R. S. 2018. What Determines Labour Force Participation in MGNREGA? An Investigation in Odisha. *Indian Journal of Labour Economics*, 61(4): 493-514.
2. Das, S., Behera, B., Mishra, A. 2014. Factors Affecting Households Perceptions of Wetland Biodiversity Conservation in West Bengal, India. *International Journal of Ecological Economics and Statistics*, (34(3): 72-82.
3. Hota, P., Behera, B. 2014. Understanding the Household Perceptions of and Adaptations to Heat Wave: A Case Study", *International Journal of Ecological Economics and Statistics*, 33(2): 99-117.
4. Dash, M., Behera, B. 2013. Biodiversity Conservation and Local Livelihoods: A Study on Similipal Biosphere Reserve in India. *Journal of Rural Development*, 32(4): 409-426.
5. Behera, B., Mishra, P. 2012. Natural Resource Abundance in the Indian States: Curse or Boon?. *Review of Development and Change*, 15(1): 53-73.

6. Behera, B., Mishra, P., Nayak, N. C. 2011. Payments for Environmental Services: Issues and Implications for India. *Economic and Political Weekly*, 56(20): 64-68.
7. Nath, P. K., Behera, B. 2009. Climate Change and Rural Livelihoods in Developing Countries: Issues and Challenges. *Vidyasagar University Journal of Economics* 14(1): 113-126.
8. Mishra, P., Behera, B. 2008. Growth of Small Scale Industry in India: Is there a Unit Root?. *Vidyasagar University Journal of Economics* 13(1): 80-92.
9. Behera, B. 2008. Institutional Dynamics and Natural Resource Management: A study of JFM in Andhra Pradesh. *Journal of Rural Development* 27(4): 575-606.
10. Mishra, P., Behera, B. 2007. Instabilities in Market Concentration: An Empirical Investigation in Indian Manufacturing Sector. *Journal of Indian School of Political Economy* 19(3): 419-449.
11. Behera, B., Vaswani, R. T. 2007. Household Perceptions of Climate Change in Leh. *Vidyasagar University Journal of Economics*: 12(1): 82-89.
12. Behera, B., Mishra, P. 2007. Acceleration of Agricultural Growth in India: Suggestive Policy Framework. *Economic and Political Weekly* 42(42).
13. Reddy, V. R., Reddy, M. G., Behera, B. 2004. Institutional Environment and Common Pool Resource (CPR) Management in India. *Asian Economic Review*, 46(2).
14. Behera, B., Reddy, V. R. 2002. Environment and Accountability: Impact of Industrial Pollution on Rural Communities. *Economic and Political Weekly*, 36(3).
15. Reddy, V. R., Behera, B., Rao, D. M. 2001. Forest Degradation in India: Extent and Determinants. *Indian Journal of Agricultural Economics*, 56(4), October-December issue.

Book Chapters and working papers

1. Rahut, DB., Rajendra, R.T., Behera, B., Easwaran, J. 2024. Non-Traditional Security Threats for Bhutan: Policy Options. In book: THINK20@G20 TOWARDS A RESILIENT SOUTH ASIA
2. Behera, B. (2023). A New Economy for Happiness. In: Chetri, S., Dutta, T., Mandal, M.K., Patnaik, P. (eds) *Handbook of Happiness*. Springer, Singapore. https://doi.org/10.1007/978-981-99-2637-4_8
3. Datta, P., Behera, B. (2023). Climate Change Adaptation Through Agroforestry: Empirical Evidence from Indian Eastern Himalayan Foothills. In: Bandh, S.A. (eds) *Strategizing Agricultural Management for Climate Change Mitigation and Adaptation*. Springer, Cham.
4. Mishra, P., B. Behera, N. S. Bagchi, B. Pariaare, V. R. Reddy, C. Tallapragada, S. Majumdar, and D. B. Rahut. 2023. Development of Capitals and Capabilities of Smallholder Farmers for Promoting Inclusive Intensification in Agriculture: Experiences from Northern West Bengal, India. ADBI Working Paper 1356. Tokyo: Asian Development Bank Institute. Available: <https://doi.org/10.56506/IDLS6570>
5. Behera, B., Mishra, P., Rahut, D. B. 2020. Coping with changing climate The case of water conservation structures in Eastern India. In: Chakraborty et al (ed) *Contemporary Issues in Sustainable Development: The Case of India*. Routledge India. London.
6. Behera, B. (2007), "Joint Forest Management (JFM) Forests in Andhra Pradesh", In N. C. Nayak, K. Goswami and B. Chatterjee (ed), *Economic Reforms, Human Well Being and Sustainable Development in India*, New Century Publication, New Delhi.
7. Behera, B and Stefanie Engel, (2007), "Participation and Joint Forest Management (JFM) in Andhra Pradesh, India" In *Dinello, N and Popov, V (ed): Political Institutions and Development: Failed Expectations and Renewed Hopes*, Camberley, UK: Edward Elgar, pp.200-227.

8. Behera, B and Stefanie Engel, (2006), “Who forms local institutions? Levels of household participation in India’s Joint Forest Management program”, ZEF - Discussion Paper on Development Policy:103, Center for Development Research (ZEF), University of Bonn, Germany, February.
http://www.zef.de/fileadmin/webfiles/downloads/zef_dp/zef_dp103.pdf
9. Reddy, V. R and Behera, B (2002), “Ecological Divide: Regional Disparities in Land and Water Management in Andhra Pradesh” in Y. V Krishna Rao and S. Subramanyam (ed), *Development of Andhra Pradesh: 1956-2001: A Study of Regional Disparities*, Visalaandhra Publication, Hyderabad.
10. Reddy, V. R and Behera, B (2002), “Environment and Sustainable Development in Andhra Pradesh: Status and Strategies”, in S. Mahendra Dev and C.H. Hanumnta Rao (ed) *Andhra Pradesh Development Report*, Center for Economic and Social Studies (CESS), Hyderabad.
11. Reddy, V. R., Reddy, M. G and Behera, B (2001), “Role of Formal institutions in Common Pool Resources (CPR) Management in India: A Macro View”, in S. P Jain (ed) *Emerging Institutions for Decentralized Rural Development*, Volume-II, National Institute for Rural Development (NIRD), Hyderabad, November.
12. Behera, B and Reddy, V. R (2001) “Killing Fields: Life Savers and Externalities: A study of the impact of industrial pollution on rural communities in Andhra Pradesh, *Working Paper No.40*, Centre for Economic and Social Studies (CESS), Hyderabad.

Policy Briefs

1. Bridging the Climate Finance Gap: Unpacking the Global Disparities and Imperatives for Developing Countries (Forthcoming ADBI Policy Brief)
2. Role of Think20 in enhancing institutional quality for ensuring global food security.
<https://www.t20brasil.org/en/pbs?page=4>
3. Addressing the impact of climate change on women farmers’ health in South Asia.
<https://www.adb.org/publications/addressing-the-impact-of-climate-change-on-women-farmers-health-in-south-asia>
4. Food Security in Times of Crisis: An Action Plan for the G7.
<https://www.think7.org/publication/food-security-in-times-of-crisis-an-action-plan-for-the-g7/>
5. Food and Nutrition Security in the Global South: Policies, Technologies, and Institutions.
<https://www.orfonline.org/research/food-and-nutrition-security-in-the-global-south/>.

Blog posts

1. Datta, P., Behera, B., and Rahut, D.B., 2022. Fixing the agriculture–climate change maladaptation information gap. Asia Pathways.
<https://www.asiapathwaysadbi.org/2022/06/fixing-the-agriculture-climate-change-maladaptation-information-gap/>
2. Datta, P., Behera, B., and Rahut, D.B., 2022. Protecting victims of climate-induced migration and displacement in South Asia. Asia Pathways. <https://www.asiapathways-adbi.org/2022/06/protecting-victims-of-climate-induced-migration-and-displacement-in-south-asia/>
3. Naveen, Datta, P., Behera, B., Rahut, D. B. 2023. Revitalizing South Asia’s groundwater resources with direct-seeded rice. Asia Pathways. <https://www.asiapathways-adbi.org/2023/10/revitalizing-south-asias-groundwater-resources-with-direct-seeded-rice/>

Book Review

1. Multifunctionality of Rice Production in Asia: A Synoptic Review by V. Ratna Reddy and Dil B. Rahut. Asian Development Bank Institute, 2023, 125 pages. ISBN: 978-4-89974-279-1, Water Policy Vol 26 No 8, 856 doi: 10.2166/wp.2024.140
2. An Introduction to Sustainable Development, by Peter P. Rogers, Kazi F. Jalal, John A. Boyd. Glen Educational Foundation, Inc. Earthscan, 2008, 416pp, *Development Policy Review* 27(1): 112-114, 2009 (Blackwell)

Monograph

1. Behera, B., Mishra, P., Nayak, NC and Reddy, VR 2010, Payments for Environmental Services (PES) A Review of Experiences across Countries, Monograph 2, RULNR, CESS, Hyderabad

Awards and Fellowships

Won the medals for research on development of the Global Development Network (GDN) for the year 2005

Awarded a Ph.D. fellowship by the German Academic Exchange Service (DAAD) from August 2002 to October 2005

Awarded a post-doctoral fellowship by the Robert Bosch Foundation from November 2005 to January 2006

Awarded a prize for the best paper published in the Indian Journal of Agricultural Economics by the Indian Society of Agriculture Economics (ISAE) for the year 2001

Awarded a merit-cum-means fellowship to complete MA and M.Phil degree by the University of Hyderabad from 1996-1999.

Member

1. International Society for Ecological Economics
2. International Society for New Institutional Economics (ISNIE)
3. International Association for the Study of Common Property (IASCP)
4. South Asian Network for Development and Environmental Economics (SANDEE)
5. The Theosophical Society

Referring

Water Resources and Economics, Energy, Journal of environmental management, Water Policy, Ecological Economics, Journal of Hydrology, Society and Natural Resources, Forest Policy and Economics, Natural Resources Forum, African Journal of Agriculture Research, Environment, Development and Sustainability

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