

## Kishor Goswami

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### Educational Background

- Ph.D. in Economics, Indian Institute of Technology Kharagpur, 2002
- M. Sc. in Agricultural Economics, Assam Agricultural University, Jorhat, India, 1996
- B. Sc. in Agriculture with specialization in Agricultural Economics, Assam Agricultural University, Jorhat, India, 1994

### Current Position

**Professor of Economics and Head**, Department of Humanities and Social Sciences, Indian Institute of Technology Kharagpur.

### Previous Positions

**Associate Professor of Economics**, Department of Humanities and Social Sciences, Indian Institute of Technology Kharagpur.

**Assistant Professor of Economics**, Department of Humanities and Social Sciences, Indian Institute of Technology Kharagpur.

**Visiting Faculty**, Department of Humanities and Social Sciences, Indian Institute of Technology Kharagpur.

**Scientist**, Tomas Bata University in Zlin, Czech Republic.

**Research Analyst**, International Water Management Institute (IWMI), Hyderabad, India.

### Awards/ Scholarship/ Fellowship

- Selected for Faculty Secondment to the Asian Institute of Technology, Bangkok in January 2015 term.
- Institute Fellowship at Indian Institute of Technology, Kharagpur, India for pursuing doctoral research from January 1997 to January 2002.
- University Merit Scholarship (Grade I) at Assam Agricultural University, Jorhat, India for pursuing Master of Science (M. Sc.) from January 1994 to January 1996.
- National Merit Scholarship based on the results of the High School Leaving Certificate and Higher Secondary School Leaving Certificate Examinations from 1987 to 1994.

### Research and Teaching Interests

**Research interest:** Development Economics (informal economy, micro-entrepreneurship, credit risk, technology adoption, gender and trade, women empowerment, poverty, etc.), Agricultural and Resource Economics (Production and efficiency, organic agriculture, natural farming, agriculture and climate, medicinal crop, services demand in wetland), and Value Chain Management.

**Teaching interest:** Development Economics, Business Economics, and Agricultural Economics

## Courses taught

### Undergraduate level

- Economics
- Development Economics
- Comparative Development Perspectives
- Human Development

### Postgraduate level

- Business Economics
- Agro-project Cash Flow Analysis and Finance
- Manpower Economics

## Publications

### Masters Dissertation Title

“Economics of Citronella Cultivation in Tinsukia District of Assam”, Assam Agricultural University Jorhat, 1996

### Doctoral Thesis Title

“Growth Trends and Demand-Supply Gap in Production of Paddy in Assam: An Empirical Analysis”, Indian Institute of Technology Kharagpur, 2002

### Books

- Economic Reforms, Human Welfare and Sustainable Development in India (Ed), New Century Publications, New Delhi, India, 2007, ISBN 81-7708-146-2.

### Selected Publications in Journals (from 2011)

1. Energy Choice and Fuel Stacking among Rural Households of Southern Ethiopia, *Energy for Sustainable Development*, 76, 101260, 2023, DOI: <https://doi.org/10.1016/j.esd.2023.101260> – with Kassahun Trueha Dumga.
2. An Assessment of Economic Profitability of Black Rice (*Oryza sativa* L. *indica*) Production in Assam, India, *Journal of Applied Research on Medicinal and Aromatic Plants*, 34, 100488, 2023, DOI: 10.1016/j.jarmap.2023.100488 – with Dwiti Baruah Thapa, Jigyasa Sandilya, and Nabajyoti Deka.
3. Organic Cultivation and Sustainable Value Chain Development for Tea Smallholders: Findings from Assam, India, *Sustainable Production and Consumption*, 32: 562-579, 2022, DOI: 10.1016/j.spc.2022.05.004 – with Nabajyoti Deka.
4. Understanding the Constraints and Reasons to Adopt Natural Farming - A Study on Rice Growing Farmers of Andhra Pradesh, India, *International Journal of Agricultural Sustainability*, 20(6): 1209-1224, 2022, DOI:10.1080/14735903.2022.2070340 – with Jyothirmai Balla.
5. Trends in Temperature, Precipitation, Potential Evapotranspiration, and Water Availability across the Teesta River Basin under 1.5 and 2 °C Temperature Rise Scenarios of CMIP6, *Atmosphere: Climatology*, 13, 941, 2022, DOI: 10.3390/atmos13060941 – with Soumik Das, Pritha Datta, and Dreamlee Sharma.
6. What Will Drive the Small Tea Growers towards Environment-friendly Cultivation? Implications from the Tea Sector in Assam, India, *Climate and Development*, 14(5): 443-458, 2021, DOI: 10.1080/17565529.2021.1930988 - with Nabajyoti Deka.
7. Progress in Agricultural Vulnerability and Risk Research in India: A Systematic Review, *Regional Environmental Change*, 21 (24): 2021, DOI: 10.1007/s10113-021-01749-3 – with Soumik Das.

8. Economic Sustainability of Organic Cultivation of Assam Tea Produced by Small-scale Growers, *Sustainable Production and Consumption*, 26: 111-125, 2021, DOI: 10.1016/j.spc.2020.09.020 - with Nabajyoti Deka.
9. Are Farmer Producer Companies Ready to Behave as Business Entities? Insights from the Vegetable-Based Farmer Companies in West Bengal, India, *International Journal of Agricultural Sustainability*, 18(6): 521-536, 2020, DOI: 10.1080/14735903.2020.1794213 – with Nabajyoti Deka, Abhay Shankar Thakur, and P. B. S. Bhadoria.
10. Self-employed or Paid Employed: Who Can Earn More among the Slum Dwellers and Why? *Progress in Development Studies* 20(1): 7-25, 2020, DOI: 10.1177/1464993419870961 - with Shashwati Banerjee.
11. Organic Cultivation and Farm Entrepreneurship: A Case of Small Tea Growers in Rural Assam, India, *Agroecology and Sustainable Food Systems* 44 (4): 446-466, 2019, DOI: 10.1080/21683565.2019.1646373 – with Nabajyoti Deka.
12. The Occupational Illness of Slum Dwellers across Industries: A Case Study in West Bengal, *International Journal of Industrial Ergonomics* 73, 2019, DOI: 10.1016/j.ergon.2019.102834 - with Shashwati Banerjee.
13. Entrepreneurial Motivations of Socio-cultural Relevance: An Exploratory Analysis in the Handloom Industry in Assam, *Asian Journal of Women's Studies* 25(3): 317-351, 2019, DOI: 10.1080/12259276.2019.1637391 – with Bhabesh Hazarika and Kalpana Handique.
14. An Assessment of Economic Viability of Jatropha Plantation in North East India, *International Journal of Energy Sector Management* 13(4): 935-959, 2019, DOI: 10.1108/IJESM-11-2018-0009 – with Hari Kanta Choudhury, Atanu Hazarika, and Rohit Tripathi.
15. Whether the Industrial Workers of Slums have Access to Job Insurance? *International Journal of Workplace Health Management* 12(3): 102-119, 2019, DOI: 10.1108/IJWHM-08-2018-0110 – with Shashwati Banerjee.
16. Biofuels versus Food: Understanding the Trade-offs between Climate Friendly Crop and Food Security, *World Development Perspectives*, 13: 10-17, 2019, DOI: 10.1016/j.wdp.2019.02.004 – with Hari Kanta Choudhury.
17. Micro-entrepreneurship Development in the Handloom Industry: An Empirical Analysis among the Tribal Women in Assam, *International Journal of Rural Management* 14 (1): 1-17, 2018, DOI: 10.1177/0973005218754437 - with Bhabesh Hazarika.
18. Determinants of Financial Risk Attitude among the Handloom Micro-entrepreneurs in North East India, *Asia Pacific Management Review* 22 (6): 168-175, 2017, DOI: 10.1016/j.apmrv.2017.07.013 – with Bhabesh Hazarika and Kalpana Handique.
19. Who Adopts Biogas in Rural India: Evidence from a Nationwide Survey, *International Journal of Rural Management* 13: 54-70, 2017, DOI: 10.1177/0973005217695163 – with Daisy Das and Atanu Hazarika.
20. Supply Chain Network of Jatropha based Biodiesel Industry in North East India, *Sustainable Production and Consumption* 6: 38-50, 2016, DOI: 10.1016/j.spc.2016.01.002 - with Atanu Hazarika.
21. Adoption of Modern Weaving Technology in the Handloom Micro-enterprises in Assam: A Double Hurdle Approach, *Technological Forecasting and Social Change* 102: 344-356, 2016, DOI: 10.1016/j.techfore.2015.08.009 – with Bhabesh Hazarika and Madhurjya Prashad Bezbaruah.
22. Do Home-based Micro-entrepreneurial Earnings Empower Rural Women? Evidence from the Handloom Sector in Assam, *Asian Journal of Women's Studies* 22: 289–317, 2016, DOI: 10.1080/12259276.2016.1205376 - with Bhabesh Hazarika.

23. To Grow or Not to Grow? Factors Influencing the Adoption of and Continuation with *Jatropha* in North East India, *Renewable Energy* 81: 627-638, 2015, DOI: 10.1016/j.renene.2015.03.074 – with Hari Kanta Choudhury.
24. Determinants of the Adoption of Modern Technology in the Handloom Industry in Assam, *Technological Forecasting and Social Change* 90 (Part B): 400-409, 2015, DOI: 10.1016/j.techfore.2014.04.018 – with Alin Borah Bortamuly.
25. Do Different Determinants Affect Differently across Gender and Location in Handloom Entrepreneurship Development?, *Journal of Small Business & Entrepreneurship* 27 (5): 427-449, 2015, DOI: 10.1080/08276331.2015.1088298 – with Alin Borah Bortamuly, Bhabesh Hazarika, and Kalpana Handique.
26. Predictability of Sugar Futures: Evidence from the Indian Commodity Market, *Agricultural Finance Review* 75 (4): 552 – 564, 2015, DOI: 10.1108/AFR-02-2014-0002 – with Prabhati K. Misra.
27. Do Different Approaches to Measurement of Risk Behaviour Yield Different Results?, *Agricultural Economics Research Review* 27 (1): 49-60, 2014, DOI: 10.22004/ag.econ.170248 – with Hari Kanta Choudhury.
28. Factors Influencing Entry of ITES Firms into High Value Services, *Journal of Management Research* 14 (1): 41-56, 2014 – with Soni Agrawal and Bani Chatterjee.
29. Determinants of Occupational Choice of Workers in Handloom Industry in Assam, *International Journal of Social Economics* 40 (12): 1041-1057, 2013, DOI: 10.1108/IJSE-03-2012-0042 – with Alin Borah Bortamuly and Bhabesh Hazarika.
30. Factors Influencing Performance of Offshore Outsourcing Service Provider Firms across Three Locations in India, *International Journal of Business Insights and Transformation* 6 (2): 4-13, 2013 – with Soni Agrawal and Bani Chatterjee.
31. Determinants of Expansion of Area under *Jatropha* Plantation in North East India: A Tobit Analysis, *Forest Policy and Economics* 30: 46–52, 2013, DOI: 10.1016/j.forpol.2013.02.006 – with Hari Kanta Choudhury.
32. Factors Influencing Wage Structure of the Handloom Workers in Assam: An Assessment from Gender Perspective, *Journal of Rural Development* 31 (2): 139-150, 2012 – with Alin Borah Bortamuly.
33. Factors Influencing Farmers' Adoption of Slash and Burn Agriculture in North East India, *Forest Policy and Economics* 15: 146-151, 2012, DOI: 10.1016/j.forpol.2011.11.005 – with Hari Kanta Choudhury and Jitu Saikia.
34. Factors Influencing Performance of ITES Firms in India, *Information Resources Management Journal* 25 (4): 46-64, 2012, DOI: 10.4018/irmj.2012100103 – with Soni Agrawal and Bani Chatterjee.
35. Economic Benefits and Costs of *Jatropha* Plantation in North East India, *Agricultural Economics Research Review* 24 (1): 99-108, 2011, DOI: 10.22004/ag.econ.109423 – with Jitu Saikia and Hari Kanta Choudhury.

#### Selected Recent Publications as Book Chapters (from 2012)

1. Economic Development through the Development of Handloom Micro-entrepreneurship in North-East India in *Development and Regional Planning (Special Focus on North-east Region)* by Abinash Bharali (Ed.), Dr. B.K.B. College, Assam, pp. 9-23, 2019, ISBN: 978-93-84679-59-0 – with Kalpana Handique.
2. Whether Industrial Workers of Slums are better off – An Experimentation in West Bengal? in *Inclusive Growth and Backward Region Development: Sectoral Issues* by Sebak K. Jena and Joydeb Sasmal (Eds.), Serials Publications Pvt. Ltd., New Delhi, 2019, ISBN: 978-93-86611-62-8 - with Shashwati Banerjee.

3. Chapter 8: Biomass Resources for Biofuel Production in Northeast India, in *Bioprospecting of Indigenous Bioresources of North East India*, by Jubilee Purkayastha (Ed.), Springer, 2016, ISBN: 978-981-10-0619-7 – with Rupam Kataki, Neon J. Bordoloi, Rumi Narzari, Ruprekha Saikia, Debashis Sut, and Lina Gogoi.
4. Perspective of Biodiesel Industry in North East India, in *Renewable Energy & Sustainable Development*, by Kataki, Rupam, and Borah, Anil C. (Eds), EBH Publishers, India, pp. 293-309, 2012, ISBN: 978-93-80261-78-2 – with Hari Kanta Choudhury and Jitu Saikia.
5. Biofuels Industry in India and Canada: A Comparative Study, in *Changing Economic Environment and Performance of the Nations: Canada and India*, by Joshi, S., Hejazi, W. and Bhadarka, N. (Eds), Excel India Publishers, New Delhi, pp. 135-143, 2012, ISBN: 978-93-81361-83-2 – with Hari Kanta Choudhury.

#### Selected Publications in Conference Proceedings (from 2012)

1. How the Occupational Diversifications Influence the Economic Status of the Slum Dwellers: An Analysis in the Districts of West Bengal? in the *International Conference on Sustainable and Inclusive Urban Development in Global South: International Experiences and Future Strategies* at the India International Centre (IIC), New Delhi, India, August 10-12, 2023 – with Shashwati Banerjee.
2. Can Kiwifruit Cultivation be an Alternate Livelihood Opportunity for Mountain Farmers? Evidence from Arunachal Pradesh, India in the *93<sup>rd</sup> Annual Meeting of Southern Economic Association (SEA)* at New Orleans Marriott in New Orleans, Louisiana, USA, November 18-20, 2023 – with Jigyasa Sandilya, Dwiti Baruah Thapa, and Nabajyoti Deka.
3. High-Density Farming and Farm Entrepreneurship: A Case of Apple Growers in Rural Kashmir, India in the *93<sup>rd</sup> Annual Meeting of Southern Economic Association (SEA)* at New Orleans Marriott in New Orleans, Louisiana, USA, November 18-20, 2023 – with Ubaid Mushtaq.
4. Is Millet Cultivation Important for North East India? An Analysis in the Context of the Local Poultry Feed Industry in the *National Conference on Rebooting the Hill Farming for Future Sustainability and Livelihood (RHFFSL 2023)* at ICAR Research Complex for NEH Region, Umiam, Meghalaya, India, June 8-9, 2023 – with Dipanjan Kashyap.
5. Trajectories of Agrarian Transformation: State-mediated Commercialization, De-agrarianization and Rural Changes in Kashmir, India in the *National Conference on Evolving Pathways for Sustainable Agriculture & Rural Development* at ADRTC, ISEC, India, January 12-13, 2023 – with Ubaid Mushtaq.
6. Does the Production of Exotic Fruits Create Value for the Farmers? Inferences from the Emerging Kiwifruit Value Chain in Arunachal Pradesh, India in the *92<sup>nd</sup> Annual Meeting of Southern Economic Association (SEA)* at Fort Lauderdale, Florida, USA, November 19-21, 2022 – with Nabajyoti Deka, Jigyasa Sandilya, and Dwiti Thapa Baruah.
7. Alternative Food Networks in a Highly Globalized Agri-Food System: Inferences from the Small-Scale Organic Tea Growers in Eastern India in the *92<sup>nd</sup> Annual Meeting of Southern Economic Association (SEA)* at Fort Lauderdale, Florida, USA, November 19-21, 2022 - with Nabajyoti Deka.
8. Transforming agriculture in India through the 'triple-high' system: A case study on natural rice farms of North-Coastal Zone in Andhra Pradesh, India in the *International Conference on Advances in Agriculture and Food System towards Sustainable Development Goals* organized by ICAR, AIASA, and UAS Bangalore at University of Agricultural Sciences, Bangalore, August 22-24, 2022 – with Jyothirmai Balla.

9. Factors influencing visitors' participation in wetland conservation: A case study from India in the *11<sup>th</sup> Congress of the Asian Association of Environmental and Resource Economics (AAERE)* at the University of Economics, Ho Chi Minh City (UEH), Vietnam, August 19-20, 2022 – with Supriya Hazarika.
10. Residents' preference for wetland conservation: A case study from India in the *HI-LIFE webinar on Strengthening Biodiversity Conservation*, International Centre for Integrated Mountain Development (ICIMOD), July 5-6, 2022 – with Supriya Hazarika.
11. Dynamics of recreational services demand of a peri-urban wetland in India: A travel-cost assessment in the *Third Biennial Canadian Society for Ecological Economics 'EE Academy'*, May 27-28, 2022 – with Supriya Hazarika.
12. A study on the occupational injuries of the slum dwellers in West Bengal in *ICMIAM2021: International Conference on Maintenance and Intelligent Asset Management*, Mt Helen Campus, Federation University Ballarat, Australia, December 12-15, 2021 - with Shashwati Banerjee.
13. Organic cultivation as the way forward to develop value chain and market linkages for small tea growers: Evidence from India in the *2020 Global Marketing Conference at Seoul* held in Seoul, the Republic of Korea during November 5-8, 2020 - with Nabajyoti Deka.
14. Economic Viability of Organic vs. Conventional Tea Cultivation: The Case of Small Tea Growers of Assam, India in the *89<sup>th</sup> Annual Conference of the Southern Economic Association* held in Fort Lauderdale, Florida, USA during November 23-25, 2019 - with Nabajyoti Deka.
15. Public Private Partnership Model for Effective ZBNF by Farmer Producer Company – A Case Study in the Tribal Areas of Visakhapatnam District of Andhra Pradesh, India in proceedings of the KAU-IASE Regional Conference on *Models for Agricultural Development: The Experiences from Farmer Producer Companies (FPC)*, March 25-26, 2019 – with Balla Jyothirmmai, Radha Y., Srinivasa Rao V., and Amaresh D.
16. Challenges and Prospects of Organic Tea Cultivation for the Small Tea Growers in Assam in the *International Conference on Climate Change, Biodiversity and Sustainable Agriculture (ICCBSA-2018)* at Assam Agricultural University Jorhat, India during December 13-16, 2018 – with Nabajyoti Deka (Lead Presentation).
17. Analysis of Income Inequality across Gender among the Handloom Micro-entrepreneurs of Assam in the *International Conference on Climate Change, Biodiversity and Sustainable Agriculture (ICCBSA-2018)* at Assam Agricultural University Jorhat, India during December 13-16, 2018 – with Kalpana Handique (Lead Presentation).
18. Zero Budget Natural Rice Farming versus Conventional Rice Farming - A Case Study in the Tribal Areas in Visakhapatnam District of Andhra Pradesh, India in the *International Conference on Climate Change, Biodiversity and Sustainable Agriculture (ICCBSA-2018)* at Assam Agricultural University Jorhat, India during December 13-16, 2018 – with Balla Jyothirmmai, Radha Y., Srinivasa Rao V., and Amaresh D.
19. Rural Home-based Handloom Micro-entrepreneurship and Financial Risk Attitude: An Across State Study in North East India in the *9<sup>th</sup> International Research Meeting in Business and Management (IRMBAM-2018)* in IPAG Business School Nice, France during July 05-07, 2018 – with Kalpana Handique.
20. How Intensive is the Healthcare Services of the Industrial Workers in the Slums of West Bengal, India? in *14<sup>th</sup> International Conference on Urban Health* in Coimbra, Portugal during September 26-29, 2017 – with Shashwati Banerjee.
21. The Occupational Pattern of the Slum Dwellers in West Bengal in *2nd International Conference on Issues in Economic Theory and Policy* in Presidency University, Kolkata, India on December 14, 2017 – with Shashwati Banerjee.

22. Does the Influence of Risk Attitude on Entrepreneurial Performance Vary across Locations among the Handloom Micro-entrepreneurs in North East India? in *2017 CCSBE/CCPME conference on The Development of SMEs and Entrepreneurship in the New Context of Globalization* in Université Laval, Quebec City, Canada during May 11-13, 2017 – with Kalpana Handique and Bhabesh Hazarika.
23. Whether Better Health can be Ensured with Better Income? An Analysis of Slums in *10<sup>th</sup> Doctoral Thesis Conference* in IBS Hyderabad, India during April 20-21, 2017 – with Shashwati Banerjee.
24. Do Different Determinants Influence Handloom Micro-entrepreneurial Performance Differently across Gender in North East India? in *24th Annual Conference of American Society of Business and Behavioral Sciences* in Golden Nugget, Las Vegas, USA during March 23-26, 2017 – with Kalpana Handique and Bhabesh Hazarika.
25. Determinants of Marketing Responsiveness of the Paddy Farmers in Assam, India in *24th Annual Conference of American Society of Business and Behavioral Sciences* in Golden Nugget, Las Vegas, USA during March 23-26, 2017 – with Atanu Hazarika.
26. Entrepreneurial Settings for the Development of Handloom Micro-entrepreneurs in North East India in *The Twelfth Biennial Conference on Entrepreneurship* at Entrepreneurship Development Institute of India, Ahmedabad, India during February 22-24, 2017 – with Kalpana Handique and Bhabesh Hazarika.
27. Challenges of Producing High Valued Silk Products among the Rural Handloom Micro-enterprises in North East India in *National Seminar on Economic Insects of NE India: Thrust on Recent Advances in Vanya Silks* in Kokrajhar (Assam), India during February 21-22, 2017 – with Kalpana Handique.
28. Determinants of Financial Risk Attitude among the Handloom Micro-entrepreneurs in North East India in *The Fifth International Conference on Entrepreneurship and Business Management (ICEBM 2016)* at Tainan, Taiwan during November 17-18, 2016 – with Kalpana Handique and Bhabesh Hazarika.
29. How intensive is the Insurance Scheme for Industrial Workers? Analyzing the Occupational Risks among the Slum Dwellers, in *58th Annual Conference of the Indian Society of Labour Economics* at IIT Guwahati, India during November 24-26, 2016 – with Shashwati Banerjee.
30. Entrepreneurial Motivation of Rural Women in Developing Economies: An Exploratory Analysis in the Handloom Industry, in *85th Annual Conference of the Southern Economic Association* at New Orleans Marriott in New Orleans, Louisiana during November 21-23, 2015 – with Bhabesh Hazarika.
31. Price Discovery in Indian Commodity Futures Markets in *5th India Finance Conference (IFC)* held at IIM Calcutta, India during December 17-19, 2015 – with Upananda Pani.
32. Biofuels versus Food: Understanding the Trade-offs between Climate Friendly Crop and Food Security in *Food in Bio-based Economy; Sustainable Provision and Access* in Wageningen, Netherlands during May 27-29, 2015 – with Hari Kanta Choudhury.
33. What Influences Adoption and Expansion of New Technology in Rural Micro-entrepreneurship? Evidences from Handloom Industry in *UGC-DRS-SAP Seminar 2015* at Gauhati University, Assam during March 27-28, 2015 – with Bhabesh Hazarika.
34. Volatility Spillovers between Aluminium Spot and Futures Markets of India in *3<sup>rd</sup> International Conference on Management of Infrastructure* at College of Management and Economic Studies, University of Petroleum & Energy Studies, Dehradun, India during February 6-7, 2015 (best paper award in the category of LSLM & others) – with Upananda Pani.

35. Gender Income Gap among Informal Micro-entrepreneurship in Developing Economies: A Decomposition Analysis in the Handloom Industry in *51<sup>st</sup> Annual Conference of the Indian Econometric Society* at Punjabi University, Patiala during December 12-14, 2014 – with Bhabesh Hazarika and Atanu Hazarika.
36. Women Empowerment in Developing Economies through Participation in Home-based Activities: A Study in the Handloom Industry in *3<sup>rd</sup> International Seminar on Population & Development* at Sherubtse College, Bhutan during October 9-10, 2014 – with Bhabesh Hazarika.
37. Rural Non-farm Micro-entrepreneurship or not: Gender Issue in Decision Making in *6<sup>th</sup> Bolivian Conference on Development Economics* at Cochabamba during August 28 - 29, 2014 – with Bhabesh Hazarika.
38. Agricultural Commodity Futures Market in India: Trends and Issues in *Agro Supply Chain Conference (ASCC-2014)* at the University of Petroleum & Energy Studies, Dehradun, India on 22<sup>nd</sup> August 2014 – with Upananda Pani.
39. What Influences Modern Technology Adoption in the Handloom Micro-enterprises? A Tobit Approach, presented in *50<sup>th</sup> Annual Conference of the Indian Econometric Society*, India at Indira Gandhi Institute of Development Research, Mumbai during December 22-24, 2013 – with Bhabesh Hazarika.
40. Does Production of Jatropha Reduce Food Production in North East India? in the *6<sup>th</sup> South Asia Economic Summit* in Colombo, Sri Lanka during September 2-4, 2013 – with Hari Kanta Choudhury.
41. Development of Women Micro-entrepreneurship in the Handloom Industry: An Empirical Analysis among Tribal Communities in Assam, in *National Seminar on Rural Development in India: Issues, Progress, and Programme Effectiveness* in Rajiv Gandhi University, Arunachal Pradesh during April 26-27, 2013 – with Bhabesh Hazarika.
42. Dynamic of Price Behavior in Indian Spot and Futures Markets in *48<sup>th</sup> Annual Conference of the Indian Econometric Society (TIES)* in Pondicherry University during March 1-3, 2012 – with Upananda Pani.

#### **Unpublished Research Reports**

1. Economic Viability, Value Chain Analysis, and Micro-entrepreneurial Development for Selected Crop Varieties with Medicinal Values in North East India (2022)
2. Dynamics of recreational services demand in a freshwater urban wetland: The case of Deepor beel (a Ramsar site) in Assam (2021)
3. Measuring Attitude towards Financial Risk among Handloom Micro-entrepreneurs in North East India (2016)
4. Evaluation of Long Term Impact of Completed Watershed Projects supported by NABARD in West Bengal (2014)
5. Expansion of Trade and Development of Women Entrepreneurs in Handloom Industry in Assam (2013)
6. Economic Value Addition of Jatropha Based Products in Northeast India (2013)
7. Sustainability of Biodiesel Industry in North East India (2012)
8. Impact of Globalization and Adoption of New Technology on Silk Industry in Assam: An Assessment from Gender Perspective (2008)
9. Gender and Trade in Silk Industry: A Study on Silk Workers in Sualkuchi in Assam (2006)
10. Intervention Strategy for Eradication of Rural Poverty: A District Level Analysis (2006)



## Editorial Member

- Editorial Board Member, SAGE Open from 2013 to date
- Editorial Board Member, Asia-Pacific Economic Newsletter from 2013 to date
- Advisory Board Member, International Journal of Economics and Business Modeling from 2013 to date
- Associate Editor, International Journal of Interdisciplinary Social Sciences, Volume II, Common Ground Publisher, Australia.

## Reviewer

- World Development (Elsevier)
- Energy Research & Social Science (Elsevier)
- Technological Forecasting and Social Change (Elsevier)
- Energy for Sustainable Development (Elsevier)
- Journal of Human Development and Capabilities (Routledge)
- International Journal of Gender and Entrepreneurship (Emerald)
- SAGE Open (Sage)
- Journal of Rural Studies (Elsevier)
- Land Degradation & Development (Wiley)
- Asian Journal of Women's Studies (Routledge)
- International Journal of Rural Management (Sage)
- International Journal of Finance & Economics (Wiley)
- Women's Studies International Forum (Elsevier)

## Other Professional Activities

### International Collaboration

- Coordinator for IIT Kharagpur for administering the terms of the MoU between IIT Kharagpur and Rutgers, the State University of New Jersey, USA (2016-2021).
- Coordinator for IIT Kharagpur for administering the terms of the MoU between IIT Kharagpur and Tomas Bata University in Zlin, Czech Republic (The MoU is signed in February 2018).

### Courses Designed

1. Five-year Integrated M. Sc. in Economics in the Department of Humanities & Social Sciences in IIT Kharagpur. The course has already been started (for detail please visit <https://erp.iitkgp.ernet.in/ERPWebServices/curricula/CurriculaSubjectsList.jsp?stuType=UG&splCode=HS>)

### Seminar/ Workshop Organized

- Dynamics of Recreational Services Demand in a Freshwater Urban Wetland: The Case of Deepor Beel (a Ramsar site) in Assam Sponsored by SANDEE and ICIMOD at IASST, Guwahati, India on July 12, 2019.
- Sustainability of Biodiesel Industry in North East India Sponsored by SANDEE at Omeo Kumar Das Institute of Social Change and Development, Guwahati, India on November 9, 2012.

### Selected Recent Keynote Speech/ Session Chair/ Special lecture

- Special lecture on 'Ethics, Confidentiality, and Use of Technology for Teaching in Primary School' at *Two Day State Level Symposium on Orientation Training of Teachers of Primary Schools*, Rabindra Bhavan, Bankura, West Bengal on April 06, 2023.

- Keynote speech on 'Aatma Nirbhar Bharat in Post-COVID India' at *International Conference on Aatmanirbhar Bharat and Post-Covid Challenges in Business and Economy*, Vidyasagar University, West Bengal on March 02, 2023.
- Keynote speech on 'Aatma Nirbhar Bharat: Self-reliance and North East India' at *5<sup>th</sup> National Conference of North East India Commerce & Management Association (NEICMA)*, Mariani College, Assam on September 23, 2022.
- Special lecture on 'Funded Research Project Grants' at K J Somaiya Institute of Management, Mumbai on February 25, 2022.
- Special lecture on 'Contemporary Research in Agricultural Economics' in the TEQIP-III STC on *Contemporary Research and Research Methods in Economics and Finance* at the Department of Humanities and Social Sciences, IIT Kharagpur on December 21, 2021.
- Online lecture on 'Tools and Techniques of Data Collection: Primary and Secondary Data Collection, Questionnaire Design and Testing' in the AICTE STTP on *Research Methodology and Data Analysis* at the Centre for Management Studies, NERIST, Arunachal Pradesh on August 17, 2021.
- Special lecture on 'Comparative Advantage, Livelihood Generation, and Economic Empowerment for the Local Community of NE India' in a national webinar on *Innovative Research for Community Empowerment* organized by the Centre for Management Studies, NERIST, Arunachal Pradesh on March 10, 2021
- Special lecture on 'Making Powerful Research Presentations and Defending Research' in the e-Workshop on *Quality Research and Scholarly Publications in Social Sciences* organized by the Department of Management Studies (DoMS), NIT Hamirpur, on January 22, 2021.
- Plenary speech on 'Rural Micro-entrepreneurial Development in North East India: Challenges and Opportunities in the Handloom Sector' in the *Golden Jubilee Annual Conference of Regional Science Association of India* at Institute for Excellence in Higher Education (IEHE), Bhopal, India on February 20, 2019.
- Chairing a session in the Subconference on Family Business Research VII in the *9th International Research Meeting in Business and Management (IRMBAM-2018)* at IPAG Business School Nice, France on July 07, 2018.
- RBI's Fourth Edition of the Annual Lecture Series on 'Financial Risk Attitude and Micro-entrepreneurial Development in North East India' at Reserve Bank of India (RBI), Kolkata on December 11, 2017.
- DAFRE Seminar on 'To Adopt or Not to Adopt? Examining Factors Influencing Production of Biodiesel Crop (Jatropha) in India' at Department of Agricultural, Food and Resource Economics, Rutgers, The State University of New Jersey, USA on March 27, 2017.
- Special lecture on 'Developing Rural India for Better Economic Development in India' in the National Seminar on Contemporary Issues of Economic Development in India at Vidyasagar University, West Bengal, India on September 21, 2017.
- Keynote speech on 'Issues on Human Resource Development in Silk Sectors' at the National Seminar on *Economic Insects of NE India: Thrust on Recent Advances in Vanya Silks* at Kokrajhar, Assam, India on February 21, 2017.
- Keynote speech on 'Infrastructural Development in North Eastern India (NEI)' in the National Seminar on Infrastructural Development in North Eastern India (NEI) held at Bodoland University Kokrajhar, Assam, India on October 30, 2015.

### Special Webinar Lecture

- 'Aatma Nirbhar Bharat and North East India' in a webinar on *Efficacy of Swachh Bharat Abhiyaan and vision of Mahatma Gandhi's way of life and AtmaNirbhar Bharat and the potential of North East* organized by Press Information Bureau, Ministry of Information and Broadcasting, Guwahati on September 28, 2020.
- 'Self-reliance and One India, One Agriculture Market' in a webinar on *Aatma Nirbhar Bharat: Challenges Ahead* organized by Bodoland University, Kokrajhar, Assam on July 05, 2020.
- 'COVID-19 and the way ahead for Small Businesses in North East India' in a webinar on *COVID-19 and Indian Economy* organized by Indira Gandhi Government College, Tezu, Arunachal Pradesh on June 30, 2020.
- 'Small to Smart: One India, One Agriculture Market' in a webinar on *Recent Cabinet Decision on Agriculture Reforms* organized by the Press Information Bureau, Ministry of Information & Broadcasting, Government of India on June 14, 2020.

### Examiner for Doctoral/M. Phil./ MS Dissertation

- University of Hyderabad, India
- The Maharaja Sayajirao University of Baroda, India
- Assam Agricultural University Jorhat, India
- Indian Institute of Technology Kharagpur

### Expert Committee Member/ External Reviewer for Tenure/Promotion

- Indian Institute of Engineering Science and Technology, Shibpur (IEST Shibpur) - 2018
- International Management Institute, India - 2018

### External Paper Setter

- Faculty of Agriculture, Assam Agricultural University Jorhat, Assam (2009-2011)

### Doctoral Supervision

1. Ms. Kalpana Handique, 2022: "Risk Attitude, Access to Credit, and Micro-Entrepreneurial Performance in the Handloom Industry in North East India".
2. Dr. Nabajyoti Deka, 2021: "Small-scale Tea Growers, Organic Cultivation, and Sustainability: An Evaluation in Eastern India".
3. Dr. Atanu Hazarika, 2020: "Adoption of Modern Technology Practices and Efficiency Analyses of Rice Cultivation in Assam, India".
4. Dr. (Ms.) Shashwati Banerjee, 2020: "Out-of-Pocket Health Expenditure in Industrial Occupations: An Analysis of Slum Dwellers in West Bengal".
5. Dr. Bhabesh Hazarika, 2016: "Determinants of Occupational Choice, Technology Adoption, and Gender Income Gap in Handloom Micro-Entrepreneurship in Assam".
6. Dr. (Mrs.) Prabhati Kumari Mishra, 2014: "Commodity Price Dynamics: A Study on the Indian Commodity Market".
7. Dr. Hari Kanta Choudhury, 2014: "Economic Viability and Farmers' Adoption of Jatropha Plantation in North East India".
8. Dr. (Mrs.) Alin Borah Bortamuly, 2013: "Determinants of Income, Technology Adoption, Occupational Choice, and Entrepreneurial Development in the Handloom Industry in Assam".
9. Dr. (Mrs.) Soni Agrawal, 2012: "Factors Influencing Entry and Performance of Information Technology Enabled Service Firms in India".
10. Dr. (Mrs.) Prabha, 2010: "Rural Poverty in Uttar Pradesh: A District Level Analysis".

**M. Tech/ MHRM/ Integrated M. Sc. Project Supervision** (awarded in number)

M. Tech.: 4 (Agricultural and System Management)

M. Tech.: 4 (Financial Engineering)

MHRM: 10 (Human Resources Management)

Integrated M.Sc. (Economics): 37

**Projects Ongoing/ Completed at IIT Kharagpur**

1. An Assessment of Import Demand for U.S. Millet and Sorghum in India's Feed Industry sponsored by USDA in collaboration with Rutgers, The State University of New Jersey, USA - Collaborating Institution Principal Investigator, 2021-23.
2. Mass-multiplication, Cultivation, Value Addition and Popularization of *Docynia indica* among Tribal Communities of Assam and Meghalaya sponsored by *Department of Biotechnology (DBT), Govt. of India* - Collaborating Institution Principal Investigator, 2021-2024.
3. Economic Viability, Value Chain Analysis, and Micro- Entrepreneurial Development for Selected Crop Varieties with Medicinal Values in North East India sponsored by the *Ministry of Human Resource Development under Impactful Policy Research in Social Science (IMPRESS)* - Principal Investigator, 2019-2021.
4. Dynamics of Recreational Services Demand in a Freshwater Urban Wetland: A Case of Deepor Beel (a Ramsar site) in Assam sponsored by *South Asian Network for Development and Environmental Economics (SANDEE) at the International Centre for Integrated Mountain Development (ICIMOD)* - Principal Investigator, 2018-2020.
5. Documentation of Successful Case Studies of Water Conservation under MGNREGS sponsored by *National Institute of Rural Development and Panchayati Raj (Ministry of Rural Development, Government of India) Hyderabad, India* - Co-Principal Investigator, 2019.
6. Measuring Attitude towards Financial Risk among Handloom Micro-entrepreneurs in North East India sponsored by *Indian Council of Social Science Research, India* - Principal Investigator, 2014-2016.
7. Evaluation of Long Term Impact of Completed Watershed Projects supported by NABARD in West Bengal - sponsored by *National Bank for Agriculture and Rural Development (NABARD)* - Consultant, 2013-2014.
8. Expansion of Trade and Development of Women Entrepreneurs in Handloom Industry in Assam sponsored by *Indian Council of Social Science Research, India* - Principal Investigator, 2011-2013.
9. Sustainability of Biodiesel Industry in North East India - sponsored by *South Asian Network for Development and Environmental Economics (SANDEE)* - Principal Investigator, 2010-2012.
10. Economic Value Addition of Jatropha Based Products in Northeast India – sponsored by *National Oilseeds and Vegetable Oils Development (NOVOD) Board, Ministry of Agriculture, Government of India* - Principal Investigator, 2008-2013.
11. Impact of Globalization and Adoption of New Technology on Silk Industry in Assam: An Assessment from Gender Perspective - sponsored by *Department of Scientific and Industrial Research, New Delhi, India* - Principal Investigator, 2007-2008.
12. Technology Adoption in Tea Industry with Special Reference to North East India - sponsored by *Department of Scientific and Industrial Research, New Delhi, India* - Co-Principal Investigator, 2007-2010.
13. Gender and Trade in Silk Industry: A Study on Silk Workers in Sualkuchi in Assam - sponsored by *United Nations Development Programme (UNDP), New Delhi, India* - Principal Investigator, 2006.
14. Comprehensive Socio-Economic Survey for Pakri Barwadih Coal Mining Project - sponsored by *National Thermal Power Corporation Ltd. (NTPC), India* - Consultant, 2006.

### **Other Projects Completed**

1. Economic Value Added in the Plastic Recycling Industries: An Empirical Study for Major Influencing Factors - sponsored by the *Grant Agency of the Czech Republic at Tomas Bata University in Zlin, Czech Republic* - Principal Investigator, 2004-2006.
2. Factors Influencing Economic Value Added in the Plastic and Rubber Processing Industries sponsored by the *Grant Agency of the Czech Republic at Tomas Bata University in Zlin, Czech Republic* - Associate Member, 2003-2004.
3. Pro-Poor Intervention Strategies in Irrigated Agriculture in Asia at *International Water Management Institute (IWMI), Hyderabad, India* - Research Analyst, 2002.

### **Professional Affiliations**

- Agricultural Economics Research Association, India (Life Member)
- Indian Red Cross Society, India (Life Member)
- International Society on Multiple Criteria Decision Making (MCDM), USA

### **Services to IIT Kharagpur**

- Head, Department of HSS, IIT Kharagpur, from October 1, 2022 to date
- Steering Committee Member, School of Education, IIT Kharagpur from March 07, 2023 to date
- Academic Committee Member, IIT-Malaysia from November 23, 2022 to date
- Admission Committee Member, IIT-Malaysia from November 16, 2022 to date
- Research Coordinator, Department of HSS, IIT Kharagpur from 2019 to 2022
- Coordinating Warden, Hall Management Centre, IIT Kharagpur from 2016 to 2019
- Admission and Registration In-charge (Ph.D.) – HSS from 2018 to 2022
- Building Infrastructure/Physical Facility In-charge – HSS from 2018 to 2022
- Professor-in-charge (HSS Annual Report) from 2010 to 2017
- Admission Coordinator, Master of Human Resource Management, IIT Kharagpur, 2015-16
- Professor-in-charge (Training & Placement - Economics) from 2010 to 2015
- Faculty Adviser, M Sc (Economics), IIT Kharagpur from 2006 to 2015
- Warden, Nehru Hall of Residence, IIT Kharagpur from 2013 to 2015
- Course Coordinator (5-Year M Sc Economics), IIT Kharagpur from 2008 to 2010
- Professor-in-charge (HSS Timetable), IIT Kharagpur from 2004 to 2010
- Professor-in-charge (HSS Computer Lab), IIT Kharagpur from 2005 to 2007
- Assistant Warden, Nehru Hall of Residence from 2005 to 2007.