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KHONDOKER A. MOTTALEB

EDUCATION

Doctorate of Philosophy in International Development Studies, 2007.

The National Institute for Policy Studies (GRIPS), Tokyo, Japan

Dissertation: Human Capital and Industrial Development: The case of the Knitwear Garment Industry in Bangladesh

Master of Arts in International Development Studies, 2004

The National Institute for Policy Studies (GRIPS), Tokyo, Japan

Dissertation: Determinants of Foreign Direct Investment in Developing Countries

Master of Social Science (M.S.S.) in Economics, 1992 (Exam was held in 1996)

Rajshahi University, Bangladesh

- First class first

Bachelor of Social Science (B.S.S.), Honors in Economics, minor in Political Science and Islamic History, 1991 (Exam was held in 1993)

Rajshahi University, Bangladesh

- Department first

EXPERIENCE

Professor (Assistant), Department of Agricultural and Applied Economics, Texas Tech University, Lubbock, Texas 79409, USA. September 2024 and onward

- Teach international trade and strategic agribusiness management for the undergraduate students
- Managing an Asian Development Bank Institute (ADBI) funded project in Bangladesh

Research Scientist, Agricultural Economics and Agribusiness, University of Arkansas
November 2022- August 2024

- 100% responsibility in research
- Manage the project on zinc rice in Bangladesh
- Mentor and supervise graduate students

- Prepare publication manuscripts for submission to high quality disciplinary and multidisciplinary peer reviewed journals.
- Teach course on agricultural and rural development for undergraduate students
- Manage and update Arkansas global rice model (AGRM)

Agricultural Economist (Scientist). International Maize and Wheat Improvement Centre (CIMMYT), Carretera México-Veracruz Km. 45, El Batán, Texcoco, México, C.P. 56237. September 2015- October 2022.

- Develop concept notes and write proposals
- Competitively acquire external grants and funds in support of research programs
- Design questionnaire, conduct survey and analyse data
- Conduct research on food system, agricultural adoption, farming profitability in developing countries
- Publish scientific papers in international peer reviewed journals.

Applied Socio-economist (Associate Scientist). International Maize and Wheat Improvement Centre (CIMMYT), Dhaka, Bangladesh
December 2013- August 2015.

- Manage USAID funded project
- Contribute to commercialize agricultural machinery
- Scale out nutrition enriched, climate resilient and disease resistant crops among farmers.

Fellow, Global Future for Agriculture. International Rice Research Institute (IRRI), Los Banos, Philippines
October 2011- November 2013.

- Contributed to research priority setting (investment decision-making analysis);
- Assessed new technologies.
- Develop and validate IRRI Global Rice Model (IGRM).
- Coordinate with various industry stakeholders and integrated their decisions into the IGRM to analyse policy-oriented issues
- Work with a diverse and multidisciplinary team, and publish research findings

Postdoctoral Research Fellow. The National Graduate Institute for Policy Studies (GRIPS), Tokyo, Japan.
June 2009 –July 2011

- Research on rural industrial development in developing countries.
- Collaborate with small machine parts producers in Old Dhaka Bangladesh and weavers in Tangail Bangladesh.

Research officer/Senior Research Officer. Bangladesh Public Administration Training Centre (BPATC), Savar, Dhaka 1343
January 1999- October 19, 2011

- Manage and conduct trainings on research methodology and quantitative economics for the civil servants

PEER REVIEWED JOURNAL PUBLICATIONS

1. Ashok K. Mishra, Ganesh Thapa, **Khondoker A. Mottaleb**, Kindie T. Fantaye. 2025. Technology and managerial gaps in adoption of innovation: the case of Ethiopian wheat farmers. *Empirical Economics*. Doi: <https://doi.org/10.1007/s00181-025-02723-2>
2. **Khondoker A. Mottaleb**, Alvaro Durand-Morat, Fazleen Abdul Fatah, Md. Abdur Rouf Sarkar. 2025. Adoption and abandonment of hybrid rice technology: The case of Bangladesh. *Outlook on Agriculture*, Doi: <https://doi.org/10.1177/00307270251315473>
3. **Khondoker A. Mottaleb**, Alvaro Durand-Morat. 2024. Interrelationships Among the Rice Export Prices of Major Exporting Countries: In Search of the Leader and Followers. *Journal of Agricultural and Applied Economics*. Doi: <https://doi.org/10.1017/aae.2024.7>
4. Joohun Han, **Khondoker A. Mottaleb**, Alvaro Durand-Morat. 2024. Does Sin Tax on Legal Market Facilitate the Illicit Market? An *Ex-Ante* Assessment on the U.S. Cannabis Market. *Journal of Agricultural and Applied Economics*. Doi: <https://doi.org/10.1002/jaa2.114>.
5. Willy Mulimbi, Joohun Han, Alvaro Durand-Morat, Khondoker A. Mottaleb. 2024. Who (Will) Eat Rice in the United States? *Choices- the magazine of food, farm and resource issues*. Vol. 39(4), October.
6. Gerald Blasch, Yoseph Alemayehu, Louise Lesne, Jolan Wolter, Matthieu Taymans, Tsegaab Tesfaye, Tamirat Negash, Mequanint Andulalem, Kitessa Gutu, Megersa Debela, Zerihun Eshetu, Kindie Tesfaye, Khondoker Mottaleb, Pierre Defourny, David P. Hodson . 2024. *Ethiopian Crop Type 2020 (EthCT2020)* dataset: Crop type data for environmental and agricultural remote sensing applications in complex Ethiopian smallholder wheat-based farming systems (Meher season 2020/21). *Data in Brief*. Vol. 54. Doi: <https://doi.org/10.1016/j.dib.2024.110427>
7. Syed Imran Ali Meerza, **Khondoker Abdul Mottaleb**, Alwin D'Souza, Md. Abdur Rouf, Sajedur Rahman. 2023. Information and Consumers' Valuation of a Biofortified Crop: An Experimental Auction for Biofortified Rice in Bangladesh. *Agricultural Economics*, 54(5): 697-708. Doi: <https://doi.org/10.1111/agec.12795>.
8. Sieglinde Snapp, Tek Bahadur Sapkota, Jordan Chamberlin, Cindy Marie Cox, Samuel Gameda, Mangi Lal Jat, Paswel Marennya, **Khondoker Abdul Mottaleb**, Christine Negra, Kalimuthu Senthilkumar, Tesfaye Shiferaw Sida, Upendra Singh, Zachary P. Stewart, Kindie

Tesfaye, Bram Govaerts. 2023. Spatially differentiated nitrogen supply is key in a global food-fertilizer price crisis. *Nature Sustainability*. Doi: <https://doi.org/10.1038/s41893-023-01166-w>

9. **Khondoker Abdul Mottaleb**, Dil Bahadur Rahut, Shamim A, Shakur. 2023. Exploring the Role of Pesticide Traders in Protecting Environment and Farmers' Benefit. Accepted by *Review of Development Economics*. Doi: <https://doi.org/10.1111/rode.13019>.
10. **Khondoker Abdul Mottaleb**, David P. Hodson, Timothy J. Krupnik, and Kai Sonder. 2023. Quantifying Wheat Blast Disease Induced Yield and Production Losses of Wheat: A Quasi-Natural Experiment. *Journal of Agricultural and Applied Economics*. Doi: <https://doi.org/10.1017/aae.2023.2> Pp. 1-23.
11. **Khondoker Abdul Mottaleb**, Gideon Kruseman, Aymen Frija, Kai Sonder, and Santiago Lopez-Ridura. 2022. Projecting Wheat Demand in China and India for 2030 and 2050: Implications for Food Security. *Frontiers in Nutrition*. Vol. 9. Doi: [10.3389/fnut.2022.1077443](https://doi.org/10.3389/fnut.2022.1077443).
12. Akshaya Kumar Biswal, Amos Emitati Alakonya, **Khondoker Abdul Mottaleb**, Sarah J. Hearne, Kai Sonder, Terence Luke Molnar, Alan M. Jones, Kevin Vail Pixley and Boddupalli Maruthi Prasanna. 2022. Maize Lethal Necrosis disease: review of molecular and genetic resistance mechanisms, socio-economic impacts, and mitigation strategies in sub-Saharan Africa. *BMC Plant Biology*, Doi: <https://doi.org/10.1186/s12870-022-03932-y>
13. **Khondoker Abdul Mottaleb**, Gideon Kruseman and Sieglinde Snapp. 2022. Potential impacts of Ukraine-Russia armed conflict on global wheat food security: A quantitative exploration. *Global Food Security*, Vol. 35. Doi: <https://doi.org/10.1016/j.gfs.2022.100659>
14. **Khondoker Abdul Mottaleb**, Ashok K. Mishra. 2022. Income, Urbanization, and Consumption of Processed Foods: Implications for Nutrition and Health Policies for India. *Journal of International Development*. Doi: 10.1002/jid.3686.
15. Olaf Erenstein, Moti Jaleta, Kai Sonder, **Khondoker Abdul Mottaleb**, B.M. Prasanna. 2022. Global Maize Production, Consumption and Trade: Trends and Implications. *Food Security*. Doi: <https://doi.org/10.1007/s12571-022-01288-7>
16. Subir K. Bairagi, Ashok K. Mishra, **Khondoker Abdul Mottaleb**. 2022. Impacts of the COVID-19 pandemic on food prices: Evidence from storable and perishable commodities in India. *PLoS ONE*, 17(3): e0264355. <https://doi.org/10.1371/journal.pone.0264355>
17. **Khondoker Abdul Mottaleb**, Dil Bhadur Rahut, Jeetendra Prakash Aryal, Akhter Ali. 2022. Clean Fuel for Rural Families in India a Major Challenge: Evidence from four rounds of consumer expenditure survey. *Energy Reports*, 8 (2022): 2530-2546. <https://doi.org/10.1016/j.egyr.2022.01.136>

18. **Khondoker Abdul Mottaleb**, Dil Bahadur Rahut. 2021. Clean energy choice and use by the urban households in India: Implications for sustainable energy for all. *Environmental Challenges*, 5. Doi: <https://doi.org/10.1016/j.envc.2021.100254>
19. Subir Bairagi, and **Khondoker Abdul Mottaleb**. 2021. Participation in Farmers' Organization and Production Efficiency: Empirical Evidence from Smallholder Farmers in Bangladesh. *Journal of Agribusiness in Developing and Emerging Economies*. Vol. 11(2): 73-87. Doi: <https://doi.org/10.1108/JADEE-09-2020-0203>.
20. Asankha Pallegedara, Khondoker Abdul Mottaleb, Dil Bahadur Rahut. 2021. Exploring Choice and Expenditure on Energy for Domestic Works by the Sri Lankan Households: Implications for Policy. *Energy*, 222. Doi: <https://doi.org/10.1016/j.energy.2021.119899>
21. **Khondoker Abdul Mottaleb**, Mohammed Mainuddin, and Tetsushi Sonobe. 2020. COVID-19 Induced Economic Loss and Ensuring Food Security for Vulnerable Groups: Policy Implications from Bangladesh. *PLoS ONE*, 15(10): e0240709. DOI: <https://doi.org/10.1371/journal.pone.0240709>.
22. Gideon Kruseman, **Khondoker Abdul Mottaleb**, Kindie Tasfaye, Subir Bairagi, Richard Robertson, Diagne Mandiaye, Aymen Frija, Sika Gbegbelegbe, Arega Alene and Steve Prager. 2020. Rural transformation and the future of cereal-based agri-food systems. *Global Food Security*, Vol. 56. DOI: <https://doi.org/10.1016/j.gfs.2020.100441>.
23. Aymen Frija, Ali Chebil, **Khondoker Abdul Mottaleb**, Daniel Mason-D'Croz Boubaker Dhehibia. 2020. Agricultural growth and sex-disaggregated employment in Africa: Future perspectives under different investment scenarios. *Global Food Security*, Vol. 124. DOI: <https://doi.org/10.1016/j.gfs.2020.100353>.
24. Dil Bahadur Rahut, Akhter Ali, **Khondoker Abdul Mottaleb** and Jeetendra Prakash Aryal. 2020 Understanding Households' Choice of Cooking Fuels: Evidence from Urban Households in Pakistan. *Asian Development Review*, 37(1): 185-212. DOI: https://doi.org/10.1162/adev_a_00146
25. **Khondoker Abdul Mottaleb**, Timothy J. Krupnik, Alwin Keil, and Olaf Erenstein. 2019. Understanding clients, providers and the institutional dimensions of irrigation services in developing countries: A study of water markets in Bangladesh. *Agricultural Water Management*, Vol. 222: 242-253. DOI: <https://doi.org/10.1016/j.agwat.2019.05.038>.
26. **Khondoker Abdul Mottaleb**, Dil Bahadur Rahut and Olaf Erenstein. 2019. Small businesses, potentially large impacts: The role of fertilizer traders as agricultural extension agents in Bangladesh. *Journal of Agribusiness in Developing and Emerging Economies*, 9(2): 109-124. DOI: 10.1108/JADEE-08-2017-0078.

27. Jeetendra Prakash Aryal, **Khondoker Abdul Mottaleb**, Dil Bahadur Rahut. 2019. Untangling gender differentiated food security gaps in Bhutan: An application of exogenous switching treatment regression. *Review of Development Economics*, 23(2): 782-802. DOI: <https://doi.org/10.1111/rode.12566>
28. J.P. Aryal, D.B. Rahut, **Khondoker Abdul Mottaleb**, Akhter Ali. 2019. Gender and household energy choice using exogenous switching treatment regression: Evidence from Bhutan. *Environmental Development*, Vol. 30: 61-75. DOI: <https://doi.org/10.1016/j.envdev.2019.04.003>
29. **Khondoker Abdul Mottaleb**, Dil Bahadur Rahut. 2019. Biogas adoption and elucidating its impacts in India: Implications for policy. *Biomass and Bioenergy*, Vol. 123: 166-174. DOI: <https://doi.org/10.1016/j.biombioe.2019.01.049>.
30. Dil Bahadur Rahut; Akhter Ali; **Khondoker Abdul Mottaleb**; Jeetendra Prakash Aryal. 2019. Wealth, education, and cooking-fuel choices among rural households in Pakistan. *Energy Strategy Review*, Vol. 24: 236-243. DOI: <https://doi.org/10.1016/j.esr.2019.03.005>.
31. Akhter Ali, Dil Bahadur Rahut, **Khondoker Abdul Mottaleb**, Jeetendra Prakash Aryal. 2019. In Press. Alternate energy sources for lighting among rural households in the Himalayan region of Pakistan: Access and impact. *Energy and Environment*. Vol. 30(7): DOI: <https://doi.org/10.1177/0958305X19842960>.
32. **Khondoker Abdul Mottaleb**, Dil Bahadur Rahut. 2019. Impacts of Improved Infrastructure on Labor Allocation and Livelihoods: The Case of the Jamuna Multipurpose Bridge, Bangladesh. *European Journal of Development Research*, Vol. 31 (4): 750-778. DOI: <https://doi.org/10.1057/s41287-018-0186-8>.
33. **Khondoker Abdul Mottaleb**, Dil Bahadur Rahut, Olaf Erenstein. 2019. Do market shocks generate gender-differentiated impacts? Policy implications from a quasi-natural experiment in Bangladesh. *Women Studies International Forum*, Vol. 76. Doi: <https://doi.org/10.1016/j.wsif.2019.102272>.
34. **Khondoker Abdul Mottaleb**, Dil Bahadur Rahut and Olaf Erenstein. 2019. Small businesses, potentially large impacts: The role of fertilizer traders as agricultural extension agents in Bangladesh. *Agribusiness in Developing and Emerging Economies*, 9 (2): 109-124. DOI: <https://doi.org/10.1108/JADEE-08-2017-0078>.
35. **Khondoker Abdul Mottaleb**; Velu Govindan; Pawan K. Singh; <https://www.sciencedirect.com/science/article/pii/S026121941930153X> - <https://www.sciencedirect.com/science/article/pii/S026121941930153X> - !Arun K. Joshi; Naresh C.D. Barma; Gideon Kruseman; Olaf Erenstein. 2019. Economic benefits of blast-resistant biofortified wheat in Bangladesh: The case of BARI Gom 33. *Crop Protection*, Vol. 123: 45-58. DOI: <https://doi.org/10.1016/j.cropro.2019.05.013>.

36. **Khondoker Abdul Mottaleb**, Pawan Kumar Singh, Xinyao He, Akbar Hossain, Gideon Kruseman, Olaf Erenstein. 2019. Alternative use of wheat land to implement a potential wheat holiday as wheat blast control: In search of feasible crops in Bangladesh. *Land Use Policy*, 82:1-12. DOI: <https://doi.org/10.1016/j.landusepol.2018.11.046>.

- Khondoker Abdul Mottaleb**, Alexander Loladze, Kai Sonder, Gideon Kruseman, and Felix San Vicente. 2019. Threats of Tar Spot Complex Disease of Maize in the United States of America and Its Global Consequences. *Mitigation and Adaptation Strategies for Global Change*, 24 (2): 281-300. DOI: <https://doi.org/10.1007/s11027-018-9812-1>.
38. Akbar Hossain; **Khondoker Abdul Mottaleb**; Md. Farhad; Naresh Chandra Deb Barma. 2019. Mitigating Twin Problems of Malnutrition and Wheat blast by One Wheat Variety: The BARI Gom 33 in Bangladesh. *Acta Agrobotanica*, 72(2): 1775. DOI: <https://doi.org/10.5586/aa.1775>.

39. **Khondoker Abdul Mottaleb**; Dil Bahadur Rahut, Asankha Pallegedara. 2019. Spending privately for education in Nepal. Who spends more on it and why? *International Journal of Education Development*, Vol. 69: 39-47. DOI: <https://doi.org/10.1016/j.ijedudev.2019.102076>

40. **Khondoker Abdul Mottaleb**, Gideon Kruseman, Olaf Erenstein. 2018. Determinants of maize cultivation in a land-scarce rice-based economy: The case of Bangladesh. *Journal of Crop Improvement* (Taylor and Francis), 38 (4): 453-476. DOI: <https://doi.org/10.1080/15427528.2018.1446375>.

41. **Khondoker Abdul Mottaleb**, Kai Sonder, Pawan Kumar Singh, Gideon Kruseman and Olaf Erenstein. 2018. Averting wheat blast by implementing a ‘Wheat Holiday’: In Search of Alternative Crops in West Bengal, India. *PLoS ONE*, 14(2): e0211410. DOI: <https://doi.org/10.1371/journal.pone.0211410>.
- D.B. Rahut, **Khondoker Abdul Mottaleb**, Akhter Ali, J.P. Aryal. 2018. The use and determinants of solar energy by Sub-Saharan African households. *International Journal of Sustainable Energy*, 37(8): 718-735. DOI: <https://doi.org/10.1080/14786451.2017.1323897>.

43. Akhter Ali, Dil Bahadur Rahut, and **Khondoker Abdul Mottaleb**. 2018. Improved water-management practices and their impact on food security and poverty: empirical evidence from rural Pakistan. *Water Policy*, 20 (4): 692-711. DOI: <https://doi.org/10.2166/wp.2018.044>.

44. **Khondoker Abdul Mottaleb**. 2018. Perception and Adoption of a New Agricultural Technology: Evidence from a Developing Country. *Technology in Society*, 55: 126-135. DOI: <https://doi.org/10.1016/j.techsoc.2018.07.007>.

45. Dil Bahadur Rahut, Akhter Ali, **Khondoker Abdul Mottaleb**. 2017. Understanding the determinants of alternate energy options for cooking in the Himalayas: Empirical evidence from the Himalayan region of Pakistan. *Journal of Cleaner Production*, 149: 528-539. DOI: <https://doi.org/10.1016/j.jclepro.2017.02.111>.

46. Dil Bahadur Rahut, **Khondoker A. Mottaleb**, Akhter Ali, and Jeetendra Prakash Aryal. 2017. Energy Consumption Transition through the Use of Electricity for Lighting and

Cooking: Evidence from Bhutan. *Renewable Energy Focus*, 18: 11-21.

47. Dil Bahadur Rahut, **Khondoker Abdul Mottaleb**, Akhter Ali 2017. Household Energy Consumption and Its Determinants in Timor-Leste. *Asian Development Review*, 34 (1): 167–197. DOI: https://doi.org/10.1162/ADEV_a_00085.
48. **Khondoker Abdul Mottaleb**, Dil Bahadur Rahut, Akhter Ali. 2017. An exploration into the household energy choice and expenditure in Bangladesh. *Energy*, 135: 767-776. DOI: <https://doi.org/10.1016/j.energy.2017.06.117>.
49. Ashok K. Mishra, **Khondoker Abdul Mottaleb**, Samarendu Mohanty. 2015. Impact of Off-Farm Income on Food Expenditures in Rural Bangladesh: An Unconditional Quantile Regression Approach. *Agricultural Economics*, 46 (2): 139-148. DOI: <https://doi.org/10.1111/agec.12146>.
50. Dil Bahadur Rahut, Akhter Ali, Muhammad Imtiaz, **Khondoker Abdul Mottaleb** and Olaf Erenstein. 2016. Impact of irrigation water scarcity on rural household food security and income in Pakistan. *Water Science and Technology: Water Supply*, 16(3): 675-683. DOI: <https://doi.org/10.2166/ws.2015.179>.
51. **Khondoker Abdul Mottaleb**, Dil Bahadur Rahut, Akhter Ali, Gerard Bruno, Olaf Erenstein. 2016. Enhancing Wider Access to Agricultural Machinery Services by Smallholders: Lessons from Bangladesh. *Journal of Development Studies*, 53(9): 1502-1517. DOI: <https://doi.org/10.1080/00220388.2016.1257116>.
52. **Khondoker Abdul Mottaleb**, Samarendu Mohanty, Andrew Nelson. 2015. Factors Influencing the Hybrid Rice Adoption: A Bangladesh Case. *Australian Journal of Agricultural and Resource Economics*, 59(2): 258-274. DOI: <https://doi.org/10.1111/1467-8489.12060>
53. **Khondoker Abdul Mottaleb**, Timothy J. Krupnik, Olaf Erenstein. 2016. Factors associated with small-scale agricultural machinery adoption in Bangladesh: Census findings. *Journal of Rural Studies*, 46: 155-168. DOI: <https://doi.org/10.1016/j.jrurstud.2016.06.012>.
54. **Khondoker Abdul Mottaleb**, Samarendu Mohanty, 2015. Farm size and profitability of rice farming under rising input costs. *Journal of Land Use Science*, 10 (3): 243-255. DOI: <https://doi.org/10.1080/1747423X.2014.919618>.
55. **Khondoker Abdul Mottaleb**, Samarendu Mohanty, Andrew Nelson, 2015. Strengthening Market Linkages of Rice Farmers: Empirical Findings and Policy Implications. *Applied Economics Perspective and Policy*, 37 (2): 226-242. DOI: [10.1093/aep/ppo026](https://doi.org/10.1093/aep/ppo026).
56. **Khondoker Abdul Mottaleb**, Samarendu Mohanty, Hoa Thi Khanh Hoang, Roderick M. Rejesus. 2013. The effects of natural disasters on farm household income and expenditures: A study on rice farmers in Bangladesh. *Agricultural Systems*, Vol. 121: 43-52. DOI: <https://doi.org/10.1016/j.agsy.2013.06.003>.

57. Akhter Ali, Dil Bahadur Rahut, **Khondoker Abdul Mottaleb**, Olaf Erenstein .2017. Impacts of changing weather patterns on smallholder well-being: evidence from the Himalayan region of Northern Pakistan. *International Journal of Climate Change Strategies and Management*, 9 (2): 225-240. DOI: <https://doi.org/10.1108/IJCCSM-05-2016-0057>.
58. **Khondoker Abdul Mottaleb**, Pawan Kumar Singh, Kai Sonder, Gideon Kruseman, T.P. Tiwari, N.C.D. Barma, P.K. Malaker, Hans-Joachim Braun, Olaf Erenstein. 2018. Threat of wheat blast to South Asia's food security: An *Ex-Ante* Analysis. *PLoS ONE*, 13 (5): e0197555. DOI: <https://doi.org/10.1371/journal.pone.0197555>.
59. **Khondoker Abdul Mottaleb**, Roderick M. Rejesus, M.V.R. Murty, Samarendu Mohanty, Tao Li. 2017. Benefits of Development and Dissemination of a Drought Tolerant Rice Variety in the Presence of Climate Change. *Mitigation and Adaptation Strategies for Global Change*, 22 (6): 879-901. DOI: <https://doi.org/10.1007/s11027-016-9705-0>.
60. Ashok K. Mishra, **Khondoker Abdul Mottaleb**, Aditya R. Khanal, Samarendu Mohanty 2015. Abiotic stress and its impact on production efficiency: The case of rice farming in Bangladesh. *Agriculture, Ecosystems and Environment*, 199 (1): 146-153. DOI: <https://doi.org/10.1016/j.agee.2014.09.006>.
61. **Khondoker Abdul Mottaleb**, Murali K. Gumma, Ashok K. Mishra and Samarendu Mohanty. 2015. Quantifying production losses due to Drought and Submergence of Rainfed Rice at the Household Level Using Remotely Sensed MODIS data. *Agricultural Systems*, 37: 227-235. DOI: <https://doi.org/10.1016/j.agsy.2014.08.014>.
62. **Khondoker Abdul Mottaleb**, Samarendu Mohanty, Ashok K. Mishra. 2015. Intra-Household Resource Allocation in the Presence of Negative Income Shocks: A Natural Experiment. *World Development*, 66: 557-571. DOI: [10.1016/j.worlddev.2014.09.012](https://doi.org/10.1016/j.worlddev.2014.09.012).
63. **Khondoker Abdul Mottaleb**, Dil Bahadur Rahut. 2018. Household Production and Consumption Patterns of *Teff* in Ethiopia. *Agribusiness- International Journal*, 34 (3): 668-684. DOI: <https://doi.org/10.1002/agr.21550>.
64. **Khondoker Abdul Mottaleb**, Dil Bahadur Rahut, Gideon Kruseman, Olaf Erenstein. 2018. Changing Food Consumption of Households in Developing Countries: A Bangladesh Case. *Journal of International Food & Agribusiness Marketing*, 30 (2):156-174. DOI: <https://doi.org/10.1080/08974438.2017.1402727>.
65. **Khondoker Abdul Mottaleb**, Dil Bahadur Rahut, Gideon Kruseman, Olaf Erenstein. 2018. Wheat Production and Consumption Dynamics in an Asian Rice Economy: The Bangladesh Case. *European Journal of Development Research*, 30 (2): 252-275. DOI: <https://doi.org/10.1057/s41287-017-0096-1>.
66. **Khondoker Abdul Mottaleb**, Dil Bahadur Rahut. 2018. Cereal consumption and marketing responses by the rural smallholders under rising cereal prices. *Journal of Agribusiness in*

Developing and Emerging Economies, 8(3): 461-479. DOI:
<https://doi.org/10.1108/JADEE-09-2017-0088>.

67. **Khondoker Abdul Mottaleb**, Dil Bahadur Rahut, Gideon Kruseman & Olaf Erenstein. 2018. Evolving food consumption patterns of rural and urban households in developing countries: a Bangladesh case. *British Food Journal*, 120(2): 392-408. Doi:
<https://doi.org/10.1108/BFJ-12-2016-0620>
68. **Khondoker Abdul Mottaleb**, Dil Bahadur Rahut, and Ashok Mishra. 2017. Consumption of Food Away from Home: Do Rich Households Spend More? *Appetite*, 119: 54-63. DOI:
<https://doi.org/10.1016/j.appet.2017.03.030>.
69. **Khondoker Abdul Mottaleb**, Dil Bahadur Rahut, Ashok Mishra. 2017. Modelling Rice Grain-Type Preferences in Bangladesh. *British Food Journal*, 119 (9): 2049-2061. DOI: <https://doi.org/10.1108/BFJ-10-2016-0485>.
70. **Khondoker Abdul Mottaleb**, Ashok K. Mishra. 2016. Rice consumption and grain-type preference by household: A Bangladesh case. *Journal of Agricultural and Applied Economics*, 48(3): 298-319. DOI: <https://doi.org/10.1017/aae.2016.18>.
71. D.B. Rahut, **Khondoker Abdul Mottaleb**, Akhter Ali. 2018. Rural Livelihood Diversification Strategies and Household Welfare in Bhutan. *European Journal of Development Research*, 30(4): 718-748. DOI: <https://doi.org/10.1057/s41287-017-0120-5>.
72. Asankha Pallegedara, **Khondoker Abdul Mottaleb**. 2018. Patterns and determinants of private tutoring: the case of Bangladesh households. *International Journal of Education Development*, Vol. 59: 43-50. DOI: <https://doi.org/10.1016/j.ijedudev.2017.10.004>.
73. Dil Bahadur Rahut, **Khondoker Abdul Mottaleb**, Akhter Ali. 2017. Occupation Choice in the Agricultural and Non-Agricultural Sectors by the Rural Youth and Females in Bhutan. *Journal of Animal and Plant Science*, 27(3): 978-985.
74. Aditya Khanal, Ashok K. Mishra, **Khondoker Abdul Mottaleb**. 2014. Impact of mergers and acquisitions on financial performance: The U.S. ethanol-based fuel industry Biomass and Bioenergy. *Biomass and Bioenergy*, Vol. 61: 138-145. DOI: [10.1016/j.biombioe.2013.12.004](https://doi.org/10.1016/j.biombioe.2013.12.004).
75. **Khondoker Abdul Mottaleb**, K.P. Kalirajan. 2014. Determinants of labour-intensive exports by the developing countries: A cross country analysis. *Singapore Economic Review*, 59(5): 1450043. DOI: <https://doi.org/10.1142/S021759081450043X>.
76. **Khondoker Abdul Mottaleb**, Tetsushi Sonobe. 2013. What determines the performance of small enterprises in developing countries? Evidence from the handloom industry in Bangladesh. *International Journal of Business and Globalisation*, 10(1): 39-55. DOI: [10.1504/IJBG.2013.051802](https://doi.org/10.1504/IJBG.2013.051802).

77. **Khondoker Abdul Mottaleb**, Tetsushi Sonobe. 2012. The role of human capital in firm performance: Evidence from the engineering industry in Bangladesh. *International Journal of Entrepreneurship and Innovation Management*, 16(3-4): 245-262. DOI: [10.1504/IJEIM.2012.051958](https://doi.org/10.1504/IJEIM.2012.051958).
78. **Khondoker Abdul Mottaleb**, Tetsushi Sonobe. 2011. An Inquiry into the Rapid Development of Ready-made Garment Industry in Bangladesh. *Economic Development and Cultural Change*, 60(1): 67-89. DOI: <https://doi.org/10.1086/661218>.
79. **Khondoker Abdul Mottaleb**, K.P. Kalirajan. 2010. Determinants of Foreign Direct Investment in Low-income and Lower-Middle Income Countries: A Comparative Analysis. *Margin-The Journal of Applied Economic Research*, 4(4): 369-404. DOI: <https://doi.org/10.1177/097380101000400401>.

OTHER PEER REVIEWED OUTPUT

1. Sieglinde Snapp, Tek Sapkota, Jordan Chamberlin, Cindy Cox, Samuel Gameda, Mangi Jat, Paswel Marennya, **Khondoker Mottaleb**, Christine Negra, Kalimuthu Senthilkumar, Tesfaye Sida, Upendra Singh, Zachary Stewart, Kindie Tesfaye, Bram Govaerts. 2023. Rebalancing global nitrogen management in response to a fertilizer and food security crisis. Doi: <https://doi.org/10.21203/rs.3.rs-2318855/v1>
2. Sivakumar Sukumaran, Hari Krishna, Kuldeep Singh, **Khondoker Abdul Mottaleb**, Matthew Reynolds. 2021. Progress and prospects of developing climate resilient wheat in South Asia using modern pre-breeding methods. *Current Genomics*, Vol. 22 (6): 440-449. Doi: [10.2174/1389202922666210705125006](https://doi.org/10.2174/1389202922666210705125006).
3. **Khondoker A. Mottaleb**, Seydina Ousmane Sene, Ashok K. Mishra. 2016. Impact of Remittance Income on House Prices: Evidence from Bangladesh. *International Journal of Real Estate Review*, 19 (1): 98-119.
4. **Khondoker A. Mottaleb**, Tetsushi Sonobe. 2013. The Development Process of Rural Informal Industries in Developing Countries: The Case of Bangladesh. *Journal of Developing Areas*, 47(2): 229-249. Doi: <https://www.jstor.org/stable/23612291>
5. **Khondoker A. Mottaleb**, Tetsushi Sonobe. 2012. Fighting Corruption in Bangladesh: A Policy Proposal. *International Journal of Development and Conflict*, 2(3). Doi 10.1142/S2010269012500147.
6. Khondoker Abdul Mottaleb. 2011. Non-Farm Economic Activities in Rural Bangladesh: The Case of the Bamboo Craftsmanship. *Asia-Pacific Journal of Rural Development*, Vol 21(2): 39-52. Doi: <https://doi.org/10.1177/1018529120110203>.

WORKING PAPERS/REPORTS

1. **Khondoker Abdul Mottaleb**, and Kaliappa Kalirajan, 2012. Determinants of Labor-intensive exports by the Developing Countries: A Cross Country Analysis. EABER Working Papers 23304, East Asian Bureau of Economic Research.
2. **Khondoker Abdul Mottaleb**, and Tetsushi Sonobe, 2011. An Inquiry into the Rapid Growth of the Garment Industry in Bangladesh. GRIPS Discussion Papers 11-10, National Graduate Institute for Policy Studies (GRIPS), Tokyo, Japan. URL: <https://ideas.repec.org/p/ngi/dpaper/11-10.html>.
3. **Khondoker Abdul Mottaleb**, and Kaliappa Kalirajan, 2010. "Determinants of Foreign Direct Investment in Developing Countries: A Comparative Analysis," ASARC Working Papers 2010-13, The Australian National University, Australia South Asia Research Centre. URL: <https://ideas.repec.org/p/pas/asarcc/2012-09.html>.
4. **Khondoker A. Mottaleb** and Timothy J. Krupnik. 2016. Uptake of scale-appropriate agricultural machinery in Bangladesh: Policy insights from historical and census survey analysis. Research Report No. 3. Cereal System Initiative for South Asia-Mechanization and Irrigation (CSISA-MI). Dhaka, Bangladesh. Online: <http://csisa.org/wp-content/uploads/sites/2/2014/01/Mottaleb-2015-Uptake-of-scale-appropriate-agricultural-machinery-in-Bangladesh-Policy-insights-from-historical-and-census-survey-analyses.pdf>.
5. **Khondoker Abdul Mottaleb** and Timothy J. Krupnik. 2015. What Determines Agricultural Machinery Ownership in South Asia? An Example from Bangladesh Page: 576-592 in Humphreys, E., T.P. Tuong, M.C. Buisson, I. Pukinskis and M. Phillips (eds). 2015. Revitalizing the Ganges Coastal Zone: Turning Science into Policy and Practices. October 21-23, 2014, Dhaka, Bangladesh. Conference Proceedings. Colombo, Sri Lanka: CGIAR Challenge Program on Water and Food (CPWF). URL: https://www.researchgate.net/profile/E_Humphreys/publication/316598091_Revitalizing_the_Ganges_Coastal_Zone_Turning_Science_into_Policy_and_Practices_Conference_Proceedings_Colombo_Sri_Lanka_CGIAR_Challenge_Program_on_Water_and_Food_CPWF_Editors_Humphreys_E_TP_Tuong_MC_Bui/links/59069ac60f7e9bc0d590fbd1/Revitalizing-the-Ganges-Coastal-Zone-Turning-Science-into-Policy-and-Practices-Conference-Proceedings-Colombo-Sri-Lanka-CGIAR-Challenge-Program-on-Water-and-Food-CPWF-Editors-Humphreys-E-TP-Tuong-MC.pdf
6. Sherman Robinson, Daniel Mason-D'Croz, Shahnaila Islam, Nicola Cenacchi, Bernardo Creamer, Arthur Gueneau, Guy Hareau, Ulrich Kleinwechter, **Khondoker Abdul Mottaleb**, Swamikannu Nedumaran, Richard Robertson, Mark W. Rosegrant, Gbegbelegbe Sika, Timothy B. Sulser, Keith Wiebe. 2015. Climate change adaptation in agriculture: Ex ante analysis of promising and alternative crop technologies using DSSAT and IMPACT. IFPRI Discussion Paper 01469. Washington D.C.: International Food Policy Research Institute (IFPRI). URL:

<http://ebrary.ifpri.org/utills/getfile/collection/p15738coll2/id/129694/filename/129905.pdf>.

BOOK/BOOK CHAPTERS

1. **Khondoker Abdul Mottaleb**. 2023. Impacts of Transboundary Crop Diseases on Sustainable Crop Production: The Case of Maize Lethal Necrosis (MLN) in Africa. Chapter 13. in *Agricultural Development in Asia and Africa*, Estudillo Jonna P., Kijima Yoko, and Sonobe Tetsushi (eds.). Springer (Forthcoming). Doi: 10.1007/978-981-19-5542-6.
2. Olaf Erenstein, Moti Jaleta, **Khondoker Abdul Mottaleb**, Kai Sonder, Jason Donovan, and Hans-Joachim Braun. 2022. Global trends in wheat production, consumption and trade in *Wheat Improvement: Food Security in a Changing Climate*, Matthew P. Reynolds and Hans-Joachim Braun (eds.). Chapter 4, pages: 47-66. Cham (Switzerland): Springer. Doi: <https://doi.org/10.1007/978-3-030-90673-3>.
3. Bhoja Raj Basnet, Susanne Dreisigacker, Arun K. Joshi, **Khondoker Abdul Mottaleb**, Anil Adhikari, Manish K. Vishwakarma, Pradeep Bhati, Uttam Kumar, Jagdish Chaurasiya, and, Umesh Rosyara. 2022. Status and prospects of hybrid wheat: A bried update, pp. 637-680. In *New Horizons in Wheat and Barley Research: Global Trends, Breeding and Quality Enhancement*, (eds.) Prem Lal Kashyap, Vikas Gupta, Om Prakash Gupta; R. Sendhil; K. Gopalareddy; Poonam Jasrotia, Gyanendra Pratap Singh. Springer.
4. Harikrishna, P. Shashikumara, Rahul Gajghate, Narayana Bhat Devate, Aalok Shiv, Brijesh Kumar Mehta, V. P. Sunilkumar, N. D. Rathan, **Khondoker Abdul Mottaleb**, Sivakumar Sukumaran, Neelu Jain, P. K. Singh, and Gyanendra Pratap Singh. 2022. Breaking the yield barriers to enhance genetic gains in wheat, pp. 179-226. In *New Horizons in Wheat and Barley Research: Global Trends, Breeding and Quality Enhancement*, (eds.) Prem Lal Kashyap, Vikas Gupta, Om Prakash Gupta; R. Sendhil; K. Gopalareddy; Poonam Jasrotia, Gyanendra Pratap Singh. Springer.
5. **Khondoker Abdul Mottaleb**, Akbar Hossain and Md. Israil Hossain. Agriculture on the Rise in Bangladesh: the Future Role of Value Chains, in *Transforming Agriculture in South Asia: The Role of Value Chains and Contract Farming*, Ashok K. Mishra, Anjani Kumar, and Pramod K. Joshi (eds.). 2020. Forthcoming. Routledge.
6. Naresh Chandra Deb Barma; Akbar Hossain; Md. Abdul Hakim; **Khondoker A. Mottaleb**; Md. Ashraful Alam; Md. Mostafa Ali Reza; Md. Motiar Rohman. 2019. Progress and Challenges of Wheat Production in the Era of Climate Change: A Bangladesh Perspective, in *Wheat Production in the Era of Climate Change: A Bangladesh Perspective*, 615-679, Edited by Mirza Hasanuzzaman, Kamrun Nahar, and Md. Amzad Ali. Springer, Singapore. Doi: https://doi.org/10.1007/978-981-13-6883-7_24.

7. Tetsushi Sonobe, **Khondoker Abdul Mottaleb**, and Md. Nurul Amin. 2018. The Miraculous Development of the Garment and Pharmaceutical Industries in Bangladesh in *Bangladesh Miracle and Challenges: Its Economic and Social Development*, pp. 27-51, Edited by Yasuyuki Sawada, Minhaj Mahmud and Naohiro Kintano. Springer. Doi: https://doi.org/10.1007/978-3-319-63838-6_2.
8. **Khondoker A. Mottaleb** and Timothy J. Krupnik. 2016. Uptake of scale-appropriate agricultural machinery in Bangladesh: Policy insights from historical and census survey analysis. Research Report No. 3. Cereal System Initiative for South Asia-Mechanization and Irrigation (CSISA-MI). Dhaka, Bangladesh. Online: <http://csisa.org/wp-content/uploads/sites/2/2014/01/Mottaleb-2015-Uptake-of-scale-appropriate-agricultural-machinery-in-Bangladesh-Policy-insights-from-historical-and-census-survey-analyses.pdf>.
9. Tobias, I. Molina, H.G. Valera, **Khondoker A. Mottaleb** and S. Mohanty. 2012. *Handbook in Rice Policy in Asia*. Los Banos: International Rice Research Institute (IRRI), Philippines.

SELECTED PRESENTATIONS

1. Khondoker Abdul Mottaleb. 2024. Food price and farm wage nexus: A Bangladesh Case. Annual Conference of Southern Agricultural Economists Association (SAEA). Atlanta, Georgia February 03-06, 2024.
2. **Khondoker Abdul Mottaleb**. COVID-19 Induced Economic Loss and Ensuring Food Security for Vulnerable Groups: Policy Implications from Bangladesh. Food Security in the Era of COVID-19- Online Food Security and Safety Seminar, University of Technology MARA, Kuala Lumpur, Malaysia. July 15, 2020.
3. **Khondoker Abdul Mottaleb** and Ashok K. Mishra. 2020. Income, Urbanization, and Consumption of Processed Foods: Implications for Nutrition and Health Policies for India. Agricultural and Applied Economics Association (AAEA), 2020 Annual Meeting, July 26-28, Kansas City, Missouri, USA. URL: <https://ageconsearch.umn.edu/record/304206/>.
4. **Khondoker Abdul Mottaleb**, Aditya R. Khanal, Ashok K. Mishra, and Samrendu Mohanty. 2014. Rice Farmers' Production Efficiency under Abiotic Stresses: the Case of Bangladesh. 2014 Annual Meeting, February 1-4, 2014, Dallas, Texas 162543, USA. Southern Agricultural Economics Association. URL: <https://ideas.repec.org/p/ags/saea14/162543.html>
5. Ulrich Kleinwechter, Carolina Gonzalez, Dolapo Enahoro, Nedumaran Swamikannu, Sika Gbegbelegbe, Bernardo Creamer, **Khondoker Abdul Mottaleb** and Gerald Nelson. 2012. Agricultural technologies, climate change and food security in the developing world: Integrating global biophysical and economic modeling. Organized Symposium at the 28th International Conference of Agricultural Economists (ICAE) Foz do Iguaçu, Brazil. 18–24 August 2012. URL: https://www.researchgate.net/publication/239626507_Agricultural_technologies_climate_change_and_food_security_in_the_developing_world

[nge and food security in the developing world Integrating global biophysical and economic modeling](#)

6. **Khondoker Abdul Mottaleb**, Roderick M. Rejesus, Samarendu Mohanty, M.V.R. Murty, Tao Li, Harold Glenn Valera, and Murali Krishna Gumma. 2012. "Ex Ante Impact Assessment of a Drought Tolerant Rice Variety in the Presence of Climate Change," 2012 Annual Meeting, August 12-14, 2012, Seattle, Washington 124745, USA. Agricultural and Applied Economics Association (AAEA). Available in URL: <https://ageconsearch.umn.edu/record/124745/files/MottalebRev.pdf>.

PROGRAMMING SKILLS

Computer skills: Competent in Microsoft Office, STATA (expert), Mandeleley (expert) GAMS, basic knowledge on R and machine learning.

LANGUAGE

Language speaks: Bengali (native), English (nearly native), Japanese (basic speaking), Spanish (basic speaking), Hindi (basic and understand), Arabic (read-only)

SCHOLARSHIPS/AWARDS/ACHIEVEMENTS

2022-2025	Asian Development Bank Institute (ADBI), Tokyo, Japan. Research Grant US\$ 300,000. Project title: Adoption and Consumption of zinc biofortified rice in Bangladesh
2021-2023	Standing Panel on Impact Assessment of CGIAR research grant, US\$D 300,000, in a partnership with Tufts University, Medford and Somerville, Massachusetts, USA. Project tile: Assessing impacts of BARI GOM 33 under a randomized control trial (RCT) in Bangladesh
2020-21	WHAT CRP Research grant USD 30,000. Project title: Biological Nitrification Inhibition in Wheat.
2020-21	WHEAT CRP Research grant USD 50,000. Project title: Examining Wheat Demand in Selected Asian and African Countries
2019	Travel grant from the University of Technology MARA, Malaysia for attending a conference on food security and to conduct a training program on econometrics using Stata.
2018	Travel grants from CGIAR Research Program on PIM to present research paper in ICAE, Vancouver, Canada July 2018
2017-18	Project grants from CGIAR Research Program on Policies Institutions and Markets (PIM). USD 20,000

2017	Travel grant, Arizona State University, USA.
2015	Travel grants, Hayami Conference, GRIPS, Tokyo, Japan Tokyo.
2012	Travel grant, University of Technology MARA, Malaysia
2009-2011	Japan Society for Promotion of Science (JSPS) Post-Doctoral Fellowship
2009-2011	Grant-in-Aid for Social Science Research by Japan Society for Promotion of Science (JSPS). USD 30,000
2009	Research grants by Bangladesh Public Administration Training Centre (BPATC), Savar, Dhaka, Bangladesh
2008	Ford-Foundation Fellowship for Participating in Summer School Programme at Cambridge, UK
2003-2004	Japan International Cooperation Association (JICA) Scholarship 2003-2007 (For MA and PhD programmes).
2002	IMF Award, training program, Singapore
1998-1999	Institute of Bangladesh Studies M.Phil. Fellowship, Rajshahi University, Bangladesh

VOLUNTEER WORKS

Referee	-Australian Journal of Agriculture and Resource Economics (Willey) - Journal of Developing Areas (Project MUSE) -Agricultural Economics (Willey) -Applied Economics (Taylor & Francis) -British Food Journal -International Journal of Education Development (Elsevier) -World Development (Elsevier) - Applied Economic Perspectives and Policy (Oxford Journal) -Mitigation and Adaptation to Global Change (Springer) - Review of Health Economics
Member	-Bangladesh Society for Training and Development -Member, International Association of Agricultural Economists (IAAE) -Member, Agricultural and Applied Economics Association, USA -Member, Royal Economic Society, UK

LEADERSHIP AND ACTIVITIES

Associate Editor: Journal of Agribusiness in Developing and Emerging Economies (Emerald)
Editorial board member: Land Use Policy Journal (Elsevier)

Associate Editor Heylion Journal, Elsevier, (Rural Development Section)

REFERENCES

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