

FACULTY ACADEMIC PROFILE

Serampore Girls' College

(Affiliated to the University of Calcutta)

13, T.C. Goswami Street, Serampore, Hooghly-712201, West Bengal, India

Dr. Asraful Alam, *PhD, Post Doc., PGD (GIS & Remote Sensing)*



alam5asraful@gmail.com

asraful@seramporegirlscollege.org

Publications

Book Publication (6)

1. Habitat, Ecology and Ekistics: Case Studies of Human-Environment Interactions in India, Rukhsana, Haldar, Alam & Satpati, October, 2020, **Springer International Publishing AG, Cham** (ISBN- 978-3-030-49114-7), <https://doi.org/10.1007/978-3-030-49115-4>.
2. Agriculture, Food and Nutrition Security: Case Study of Availability and Sustainability in India, Rukhsana, & Alam, April, 2021, **Springer International Publishing AG, Cham** (ISBN -978-3-030-69333-6) <https://doi.org/10.1007/978-3-030-69333-6>.
3. Agriculture, Environment and Sustainable Development: - Experiences and Case Studies, Rukhsana & Alam, 2021, **Springer International Publishing AG, Cham** (ISBN- 978-3-031-10405-3), <https://doi.org/10.1007/978-3-031-10406-0>
4. Life and Living through Newer Spectrum of Geography, 2015, **Mohit Publication**, New Delhi. (ISBN- 978-81-7445-690-8).
5. Self-Reliance (Atmanirbhar) and Sustainable Resource Management in India, Alam et al 2023, Rajesh Publications, Delhi (ISBN- 9789391139360), https://www.amazon.in/-/hi/Asraful-Alam/dp/3031282507/ref=sr_1_11?qid=1678707773&refinements=p_27%3AAsraful+Alam&s=books&sr=1-11
6. Climate Change, Agriculture and Society - Approaches toward Sustainability, Alam & Rukhsana, 2023, **Springer International Publishing AG, Cham** (ISBN- 978-3031282508), https://www.amazon.in/-/hi/Asraful-Alam/dp/3031282507/ref=sr_1_11?qid=1678707773&refinements=p_27%3AAsraful+Alam&s=books&sr=1-11
7. Disaster Risk, Resilient Agriculture, and Livelihood: Methods and Applications, Alam & Rukhsana, 2022, **Routledge, Taylor and Francis Group, London, United Kingdom (Accepted)**.
8. Agriculture and Climatic Issues in South Asia: Geospatial Application, Rukhsana, Alam, and Siddiqui, CRC Press, **Taylor and Francis Group, London, United Kingdom (Accepted)**.
9. Population, Sanitation and Health: A geographical study towards sustainability, Alam, Rukhsana, Islam, Sarkar and Roy, **Springer International Publishing AG, Cham (Accepted)**.


Paper Publication in Journal and Book Chapters (40)

1. Prevalence of anemia among reproductive women in different social group in India: Cross-sectional study using nationally representative data. **PLoS ONE** 18(2): e0281015 (ISSN 1932-6203, 02 February, 2023). <https://doi.org/10.1371/journal.pone.0281015> (Impact Factor 3.75).

2. Progress of India's Achievement Towards Sustainable Development Goal 6 (Ensure Availability & Sustainable Management of Water & Sanitation for All) in the 2030 Agenda, **BMC Public Health**, **22**, 2142 (ISSN 1471-2458, 21 November 2022). <https://doi.org/10.1186/s12889-022-14316-0> (Impact Factor 4.5).
3. Agriculture, Environment and Sustainable Development: An Overview. In: Rukhsana, Alam, A. (eds) *Agriculture, Environment and Sustainable Development*. Springer, Cham. (01 October 2022 ISBN- 978-3-031-10405-3) https://doi.org/10.1007/978-3-031-10406-0_1.
4. Levels of Agriculture Development and Crop Diversification: A District-Wise Panel Data Analysis in West Bengal. In: Rukhsana, Alam, A. (eds) *Agriculture, Environment and Sustainable Development*. Springer, Cham. (01 October 2022 ISBN- 978-3-031-10405-3) https://doi.org/10.1007/978-3-031-10406-0_7.
5. A Review of Rural Housing Schemes in India for Sustainable Habitats. In: Kundu A., Ponce Dentinho T., Magsi H., Basu K., Bandyopadhyay S. (eds) *Accessible Housing for South Asia*. Springer, Cham (ISBN: 978-3-030-88880-0). (05 March 2022) https://doi.org/10.1007/978-3-030-88881-7_7
6. Remote Sensing and Geographic Information System (GIS) for Assessing the Changes in Earth's System Dynamics: A Review, Geospatial Modeling for Environmental Management: Case Studies from South Asia, edited by Kangra et al. Taylor & Francis, Boca Raton (ISBN- 9780367702892, 16 February 2022). <https://doi.org/10.1201/9781003147107> .
7. Sustainable Smart City Planning Using Spatial Data and Risk Reduction: A Case Study on Siliguri Municipal Corporation. In: Eslamian, S., Eslamian, F. (eds) *Disaster Risk Reduction for Resilience*. Springer, Cham (ISBN: 978-3-030-72196-1, 09 April 2022). https://doi.org/10.1007/978-3-030-72196-1_15 .
8. Application of Remotely Sensed Data for Estimation of Indices to Assess Spatiotemporal Aspects of Droughts in Bankura District of West Bengal, India. In: Jana N.C., Singh R.B. (eds) *Climate, Environment and Disaster in Developing Countries. Advances in Geographical and Environmental Sciences*. Springer, Singapore, (ISBN: 978-981-16-6966-8, 01 February 2022). https://doi.org/10.1007/978-981-16-6966-8_23.
9. Water, Sanitation, and Hygiene (WASH) poverty in India: A district-level geospatial assessment, **Regional Science Policy & Practice**, **WILEY**, (ISSN 1757-7802, September, 2021), DOI: <https://doi.org/10.1111/rsp3.12468>.
10. A review of resource management and self-reliance for sustainable development of India under COVID-19 scenario, **Journal of Public Affairs (PA)**, **WILEY**, (ISSN: 1479-1854, 5th July 2021), DOI: <https://doi.org/10.1002/pa.2725>.
11. A Geospatial Analysis of Temporary Housing Inequality among Socially Marginalized and Privileged Groups in India, **Regional Science Policy & Practice**, **WILEY**, (ISSN 1757-7802, 22nd April, 2021), <https://doi.org/10.1111/rsp3.12425>.
12. Land suitability appraisal for the growth of potato cultivation: A Study of Sagar Island, India, edited by Shruti Kanga, Varun Narayan Mishra, and Suraj Kumar Singh (eds.) *Sustainable Development Practices Using Geoinformatics*, pp. 111–126, Scrivener Publishing, **WILEY** (ISBN 978-1-119-68711-5) 29th October 2020), <https://doi.org/10.1002/9781119687160.ch7>.
13. An assessment of cyclone-induced vulnerability and change in land use and land cover (LULC) of G-Plot in Patharpratima C. D. Block of South 24 Parganas district, West Bengal, **Indian Journal of Geography and Environment Management**, (ISSN 0972-7388, 17-18, March, 2021, pp-1-13) [UGC-CARE List Group: Group D] <https://portal.issn.org/resource/ISSN/0972-7388>.
14. Impact of Microclimate on Agriculture in India: Transformation and Adaptation, April, 2021, Rukhsana, & Alam (Edited), Springer International Publishing AG, Cham (ISBN -978-3-030-69333-6, April, 2021) https://doi.org/10.1007/978-3-030-69333-6_3.
15. Household analysis of Crops Diversification and Socio-Economic Classifications of Agriculture Practitioner, April, 2021, Rukhsana, & Alam (Edited), Springer International Publishing AG, Cham (ISBN -978-3-030-69333-6, April, 2021) https://doi.org/10.1007/978-3-030-69333-6_7.

16. Assessment of Food Security Using Geospatial Techniques in Rural India: A study from Koch Bihar, West Bengal, April, 2021, Rukhsana, & Alam (Edited), **Springer International Publishing AG, Cham** (ISBN -978-3-030-69333-6, April, 2021) https://doi.org/10.1007/978-3-030-69333-6_8.
17. Problem and Prospect of Food Security in India, April, 2021, Rukhsana, & Alam (Edited), **Springer International Publishing AG, Cham** (ISBN -978-3-030-69333-6) https://doi.org/10.1007/978-3-030-69333-6_9.
18. Dietary Diversity is associated with Child Nutrition and Food Security Status: Empirical Evidence from Small Farm Households, April, 2021, Rukhsana, & Alam (Edited), **Springer International Publishing AG, Cham** (ISBN -978-3-030-69333-6, April, 2021) https://doi.org/10.1007/978-3-030-69333-6_10.
19. Habitat, Ecology and Ekistics: An Overview, Rukhsana, Haldar, Alam & Satpati (Edited) October, 2020, **Springer International Publishing AG, Cham** (ISBN- 978-3-030-49114-7, October, 2020), https://doi.org/10.1007/978-3-030-49115-4_1.
20. Agriculture, Food, and Nutritional Security: An Overview, Rukhsana, & Alam (Edited), **Springer International Publishing AG, Cham**, April, 2021 (ISBN -978-3-030-69333-6, April, 2021), https://doi.org/10.1007/978-3-030-69333-6_1.
21. Environmental Pollution and Municipal Solid Waste Management in India, Rukhsana, Haldar, Alam & Satpati (Edited) **Springer International Publishing AG, Cham** (ISBN- 978-3-030-49114-7, October, 2020), https://doi.org/10.1007/978-3-030-49115-4_5.
22. Investigation of Urban Environment Using Tasseled Cap Transformation edited by Singh et al, Spatial Information Science for Natural Resource Management (Book), 2020, **IGI Global**, (ISBN- 9781799850274), <https://doi.org/10.4018/978-1-7998-5027-4.ch005>.
23. Area based Geographical analysis of Crops Production and Yield Capacity in Koch Bihar District, West Bengal, Modern Perspective in Geography (Ed. Sk. Mafizul Haque), Paschimbanga Anchalik Itihas O Loksanskriti Charcha Kendra, Kolkata, pp. 35-50, (ISBN- 978-93-88207-06-5), 2018.
24. Spatio-Temporal analysis of Rice Productivity Regions in Koch Bihar District, West Bengal, Life and Living through Newer Spectrum of Geography, (Ed. MD. Ismail and Asraful Alam), Mohit Publication, New Delhi, pp. 203-213, (ISBN- 978-81-7445-696-0), 2015.
25. Rural Women's Status and Fertility Behaviour in Developing Countries: A Picturesque of West Bengal, India, **International Journal of Advanced Science and Technology**, Vol. 28 No.1 (2019) pp. 25-41, (ISSN: 2005-4238), [Scopus Indexing]
26. Gender-Based Discrimination and Status of Women Empowerment – A Case Study in Rajharhat Area, **Restaurant Business**, Vol-118-Issue-9-September-2019, (ISSN:0097-8043) [Scopus Indexing].
27. Marital Disharmony among Working Couples in Metropolitan Life: an In-depth Study in Kolkata City, **Thematics Journal of Geography**, Vol-8-Issue-8-August-2019, 72-85pp, (ISSN: 2277-2995), [UGC-CARE List Group: Group D]
28. Variability of Land Surface Temperature with special reference to Landuse Landcover in Kotulpur CD Block of Bankura District, West Bengal, **Indian Journal of Landscape System and Ecological Studies**, *Institute of Landscape, Ecology & Ekistics (ILEE)*, Vol. 41, No. 2, December, 2018, 30-40pp, (ISSN- 0971-4170). [UGC Journal list: Serial No: 20798]
29. Remote sensing image-based analysis of the relationship between land surface temperature and vegetation index: a statistical correlation in Indpur and Hirbandh block of Bankura district, West Bengal, India, **Hill Geographer**, NEHU, Shilling, Vol. XXXIV Issue 2 2018, 63-72pp, (ISSN 0970-5023) [UGC-CARE List Group: Group D].
30. Impact of inland water aquaculture on livelihood in West Bengal: Special Reference to South 24 Parganas, **Indian Journal of Regional Science**, Vol. L, No. 2, 2018, 68-78pp, (ISSN:0046-9017) [UGC Journal list: Serial No: 20873]

31. Role of Non- Urban Factors in Changing Land Use Pattern of Koch Bihar District, West Bengal, India, Research Review International Journal of Multidisciplinary, Vol. 3, Issue 5, 2018, (ISSN: 2455-3085), 89-92pp, [UGC Journal list: Category: Science, Serial No: 44945].
32. Resource Management and Food Security of the Small Farm Households in Koch Bihar, West Bengal, April, 2021, Rukhsana, & Alam (Edited), **Springer International Publishing AG, Cham** (ISBN -978-3-030-69333-6) https://doi.org/10.1007/978-3-030-69333-6_11.
33. Linking Food Security and Agricultural Development in Koch Bihar District, West Bengal, Research Guru E-Journal Multidisciplinary, Vol. 12, Issue 1, 2018, 2018, 268-281pp, (ISBN – 2349266X). [UGC Journal list: Serial No: 63726]
34. Geographical Analysis of Agricultural Productivity in Koch Bihar, West Bengal, India, International Research Journal of Humanities, Engineering & Pharmaceutical Sciences (IRJHEPS), Volume: 2, Issue: 16, 2018, 21-26pp, (ISBN – 978-81-909047-9-7, P- ISSN- 2249-2569, E-ISSN- 2320-2955). [UGC Journal list: Serial No: 48587]
35. Present Status and Regional Disparities of Food Security in West Bengal, India: A District Wise Analysis, **Asian Profile** an International Journal, Burnaby, Canada, Vol. 45, No. 2, (ISSN- 03048675), 2017.
36. Regional Pattern of Agricultural Development and Food Security in Koch Bihar District, West Bengal, India, **Geographical Review of India**, Geographical Society of India, Vol. 76 (4), 2014, December (ISSN- 0375-6386), [UGC-CARE List Group: Group D].
37. Land Use, Cropping Pattern, Productivity and Sustainability in Koch Bihar District, West Bengal, **Indian Journal of Landscape System and Ecological Studies, Institute of Landscape, Ecology & Ekistics** (ILEE), Vol. 37, No. 2, December, 2014 (ISSN- 0971-4170). [UGC Journal list: Serial No: 20798].
38. Food and Nutritional Security in the Koch Bihar District, West Bengal, India, **Indian Journal of Spatial Science**, Vol. 6, No. 1, March, 2015, (ISSN- 2249 - 3921), [UGC Journal list: Serial No: 49077].
39. Agricultural Bill 2020 in India: Agricultural Policy and Transition to Sustainable Agriculture and Self-reliance, Climate Change, Agriculture and Society - Approaches toward Sustainability, Alam & Rukhsana (Edited) 2023, **Springer** International Publishing AG, Cham (ISBN- 978-3031282508).
40. Identification of Spatio-Temporal Extent of Agricultural Drought Using Geospatial Techniques: A Case Study of Chhatna Block, Bankura District, West Bengal, India, Climate Change, Agriculture and Society - Approaches toward Sustainability, Alam & Rukhsana (Edited) 2023, **Springer** International Publishing AG, Cham (ISBN- 978-3031282508).



Dr. Asraful Alam,
 Assistant professor, Department of Geography,
 Serampore Girls' College,
 13, T.C. Goswami Street,
 Serampore, Hooghly - 712201, West Bengal, India