

## 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)

#### Personal Information

Nationality : Indian

Date of birth : 02/05/1990

Language proficiency: English, Bengali, Hindi, Assamese.

Language known: English, Bengali, Hindi, Assamese.



[alam5asraful@gmail.com](mailto:alam5asraful@gmail.com)

[asraful@seramporegirlscollege.org](mailto:asraful@seramporegirlscollege.org)



+91 7602475681



#### Present Status

Head of the Department and Assistant professor, Department of Geography, Serampore Girls' College, 13, T.C. Goswami Street, Serampore, Hooghly - 712201, West Bengal, India (Affiliated to University of Calcutta)

#### Post Doctoral Fellow (PDF)

Post Doctoral Fellow (PDF), Department of Geography, University of Calcutta, Kolkata

#### Post Doctoral Fellow (PDF) Topic

2019: "Sustainable Resource Management and Self Reliance of the Scheduled Caste Population in Koch Bihar, West Bengal"

#### Ph.D. Topic

2017: "Regional Pattern of Food Security in Koch Bihar District: A Block Wise Study"



#### Education Qualification

Courses	Subjects	Year	Class
Post Doctoral Fellow (PDF)	<u>Geography</u>	2020	-
Postgraduate Diploma in GIS & remote sensing	GIS & Remote Sensing	2017	1st
Ph. D.	<u>Geography</u>	2017	Awarded
M.A.	<u>Geography</u>	2012	1 <sup>st</sup>
B.A. (Honours/ Major)	<u>Geography (H)</u> , History, English, Bengali	2010	1 <sup>st</sup>

#### Research Project

Collaborative short term major project on "Pradhan Mantri Ujjwala Yojana: An Impact Assessment in Relation to the Life of Women in Assam and West Bengal" sponsored by Indian Council of Social Science Research (ICSSR), Ministry of Education, New Delhi (Amount ₹ 16 Lakh/ 1.6 million).

## Editorial Board Member in peer-reviewed International Journal

1. **PLOS One:** Impact Factor: 3.752 (2021); Publisher: PLOS, San Francisco, California, US.  

2. **Frontiers in Geochemistry:** Publisher: Frontiers, Avenue du Tribunal Fédéral 34, CH – 1005 Lausanne, Switzerland.  

3. Earth Science
4. Scientific Journal of Health Science Research

## Teaching Experiences

1. Assistant professor, Department of Geography, Serampore Girls' College, 13, T.C. Goswami Street, Serampore, Hooghly - 712201, West Bengal, India (Affiliated to University of Calcutta) from 2020 to present.
2. One year experience as an Asst. Coordinator, Post Graduate Department, Department of Geography, Women's College, Calcutta, West Bengal, India.
3. Four Years Teaching Experiences as a teaching assistant at Aliah University, Kolkata, India.
4. Six months Teaching Experiences as a guest lecturer, Department of Geography, Falakata College, Falakata, West Bengal, India.

## Research Experiences

1. One of the **Project Director** of collaborative short term major project on “*Pradhan Mantri Ujjwala Yojana: An Impact Assessment in Relation to the Life of Women in Assam and West Bengal*” sponsored by Indian Council of Social Science Research, Ministry of Education, New Delhi (Amount ₹ 16 Lakh/ 1.6 million).
2. One and half years experience as a **Post Doctoral Fellow (PDF)**, Department of Geography, University of Calcutta, Kolkata, India (*Title: Sustainable Resource Management and Self Reliance of the Scheduled Caste Population in Koch Bihar, West Bengal*).
3. One and half years experience as a Project Assistant (ICSSR, Major Project) (Project Title: *Nature and Dimension of Crop Diversification at smallholders in West Bengal*).

## Foreign Visit

Bangladesh & Thailand

## Field of interests

Population Geography, Health Geography, Agricultural Geography, Climatology, GIS and Remote Sensing

## Membership in Learning Societies: (5)

1. Geographical Society of India, Kolkata (Life Member).
2. Institute of Landscape, Ecology & Ekistics, Kolkata.
3. Geographical Society of the North-Eastern Hill Region-GSNEHR (INDIA), Shillong.
4. ‘Himalaya Prasanga’, Himalaya Samiksha Parishad, Department of Geography, University of Calcutta, Kolkata (Life Member).
5. Regional Science Association, India (Life Member).

## Courses Taught/Teaching/Course Taught

Honours Course		General Course
<p><b>1<sup>st</sup> Semester</b>            GEO-A-CC-1-01-TH – Geotectonics and Geomorphology  <i>Unit I: Geotectonics</i>  <i>Unit II: Geomorphology</i>            GEO-A-CC-1-01-P – Geotectonics and Geomorphology Lab            GEO-A-CC-1-02-TH – Cartographic Techniques            GEO-A-CC-1-02-P – Cartographic Techniques Lab            Thematic maps: Choropleth, isopleth, and chorochromatic maps (4)  <b>2<sup>nd</sup> Semester</b>            GEO-A-CC-2-03-TH – Human Geography  <i>Unit I: Nature and Principles</i>  <i>Unit II: Society, Demography and Ekistics</i>            GEO-A-CC-2-03-P – Human Geography Lab            GEO-A-CC-2-04-TH – Thematic Mapping and Surveying            GEO-A-CC-2-04-P – Thematic Mapping and Surveying Lab  <b>3<sup>rd</sup> Semester</b>            GEO-A-CC-3-05-TH – Climatology  <i>Unit I: Elements of the Atmosphere</i>  <i>Unit II: Atmospheric Phenomena and Climatic Classification</i>            GEO-A-CC-3-05-P – Climatology Lab            GEO-A-CC-3-06-TH – Hydrology and Oceanography  <i>Unit-I: Hydrology</i>  <i>Unit-II: Oceanography</i>            GEO-A-CC-3-06-P – Hydrology and Oceanography Lab            GEO-A-CC-3-07-TH – Statistical Methods in Geography  <i>Unit II: Numerical Data Analysis</i>            GEO-A-CC-3-07-P – Statistical Methods in Geography Lab            GEO-A-SEC-A-3-01-TH – Coastal Management  <b>4<sup>th</sup> Semester</b>            GEO-A-CC-4-08-TH – Economic Geography  <i>Unit II: Economic Activities</i>            GEO-A-CC-4-08-P – Economic Geography Lab            GEO-A-CC-4-09-TH – Regional Planning and Development</p>	<p><i>Unit I: Regional Planning</i>  <i>Unit II: Regional Development</i>            GEO-A-CC-4-09-P – Regional Planning and Development Lab            GEO-A-CC-4-10-TH – Soil and Biogeography  <i>Unit I: Soil Geography</i>            GEO-A-CC-4-10-P – Soil and Biogeography Lab            GEO-A-SEC-B-4-03-TH – Rural Development  <b>5<sup>th</sup> Semester</b>            GEO-A-CC-5-11-TH – Research Methodology and Fieldwork  <i>Unit II: Fieldwork</i>            GEO-A-CC-5-12-TH – Remote Sensing, GIS and GNSS  <i>Unit I: Remote Sensing</i>  <i>Unit III: Global Navigation Satellite System (GNSS)</i>            GEO-A-DSE-A-5-02-TH – Climate Change: Vulnerability and Adaptations            GEO-A-DSE-B-5-05-TH – Cultural and Settlement Geography  <i>Unit I: Cultural Geography</i>            GEO-A-DSE-B-5-05-P – Cultural and Settlement Geography Lab  <b>6<sup>th</sup> Semester</b>            GEO-A-CC-6-13-TH – Evolution of Geographical Thought  <i>Unit I: Nature of Pre Modern Geography</i>            GEO-A-CC-6-13-P – Evolution of Geographical Thought Lab            GEO-A-CC-6-14-TH – Hazard Management  <i>Unit I: Concepts</i>  <i>Unit II: Hazard-specific Study with Focus on West Bengal and India</i>            GEO-A-CC-6-14-P – Hazard Management Lab            GEO-A-DSE-A-6-04-TH – Resource Geography  <i>Unit I: Resource and Development</i>            GEO-A-DSE-A-6-04-P – Resource Geography Lab            GEO-A-DSE-B-6-08-TH – Geography of India  <i>Unit I: Geography of India</i>  <i>Unit II: Geography of West Bengal</i>            GEO-A-DSE-B-6-08-P – Geography of India Lab</p>	<p><b>1<sup>st</sup> Semester</b>  <i>Unit I: Geotectonics</i>  <i>Unit III: Hydrology</i>  <b>2<sup>nd</sup> Semester</b>            GEO-G-CC-4-04-TH – Cartography  <i>Unit III: Remote Sensing and Geographical Information System</i>            GEO-G-CC-4-04-P – Cartography Lab  <b>3<sup>rd</sup> Semester</b>            GEO-G-CC-3-03-TH – Human Geography  <i>Unit I: Economic Geography</i>  <i>Unit III: Cultural Geography</i>            GEO-G-CC-3-03-P – Human Geography Lab  <b>4<sup>th</sup> Semester</b>            GEO-G-CC-2-02-TH – Environmental Geography  <b>Unit I: Climatology</b>            GEO-G-CC-2-02-P – Environmental Geography Lab  <b>5<sup>th</sup> Semester</b>            GEO-G-DSE-A-5-01-TH – Regional Development            GEO-G-DSE-A-5-01-P – Regional Development Lab  <b>6<sup>th</sup> Semester</b>            GEO-G-DSE-B-6-04-TH – Population Geography  <i>Unit I: Population Dynamics</i>            GEO-G-DSE-B-6-04-P – Population Geography Lab</p>

## Book Publication (8)

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, 2022, **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)

6. Climate Change, Agriculture and Society - Approaches toward Sustainability, Alam & Rukhsana, 2023, **Springer International Publishing AG, Cham** (20 May 2023 ISBN- 978-3-031-28251-5) (ISBN- 978-3031282508), <https://link.springer.com/book/10.1007/978-3-031-28251-5>
7. Agriculture and Climatic Issues in South Asia: Geospatial Application, Rukhsana, Alam, and Siddiqui, **CRC Press, Taylor and Francis Group, London, United Kingdom** (ISBN- 9781-003377825), <https://doi.org/10.1201/9781003377825>.
8. Population, Sanitation and Health: A geographical study towards sustainability, Alam, Rukhsana, Islam, Sarkar and Roy, **Springer International Publishing AG, Cham** (ISBN-978-3031401275), <https://doi.org/10.1007/978-3-031-40128-2>.
9. Disaster Risk, Resilient Agriculture, and Livelihood: Methods and Applications, Alam & Rukhsana, 2022, **Routledge, Taylor and Francis Group, London, United Kingdom (Accepted)**.
10. Public Health and Diseases - A geographical study of women's health, urban mortality and health policies, Alam & Rukhsana, **Springer International Publishing AG, Cham (Accepted)**.
11. Population, Environment and Disease: Towards Health Geography Alam, Rukhsana, Islam, Biswas and Roy, **Springer International Publishing AG, Cham (Accepted)**.

### Published Paper (45)

1. Investigating the association between floods and low birth weight in India: Using the geospatial approach. Science of The Total Environment (Elsevier), 169593, <https://doi.org/10.1016/j.scitotenv.2023.169593> (Impact Factor 9.8).
2. 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).
3. 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).
4. Agricultural Transformation and Climatic Issues Using Geospatial Technology: An Overview. Agriculture and Climatic Issues in South Asia, 3-13, 2024. CRC Press, (ISBN- 9781-003377825) <https://doi.org/10.1201/9781003377825>.
5. Morphometric Parameters-Based Flood Susceptibility Mapping and 1D Simulation Modelling of Adyar Watershed, Chennai Basin: A Geo-Spatial Approach. In Agriculture and Climatic Issues in South Asia (pp. 346-370), 2024. CRC Press, (ISBN- 9781-003377825), <https://doi.org/10.1201/9781003377825>.
6. Assessment and Possible Mitigation Strategy of Climate Change and Urban Heat Island Using GIS and Remote Sensing: A Case Study of Agartala City. In Agriculture and Climatic Issues in South Asia (pp. 397-417), 2024, CRC Press, (ISBN- 9781-003377825), <https://doi.org/10.1201/9781003377825>.
7. Climate Change Impact, Agriculture, and Society: An Overview. In: Alam, A., Rukhsana (eds) Climate Change, Agriculture and Society. Springer, Cham. (20 May 2023 ISBN- 978-3-031-28251-5) [https://doi.org/10.1007/978-3-031-28251-5\\_1](https://doi.org/10.1007/978-3-031-28251-5_1)
8. Agricultural Bill 2020 in India: Agricultural Policy and Transition to Sustainable Agriculture and Self-reliance. In: Alam, A., Rukhsana (eds) Climate Change, Agriculture and Society. Springer, Cham. (20 May 2023 ISBN- 978-3-031-28251-5) [https://doi.org/10.1007/978-3-031-28251-5\\_16](https://doi.org/10.1007/978-3-031-28251-5_16)
9. Identification of Spatio-Temporal Extent of Agricultural Drought Using Geospatial Techniques: A Case Study of Chhatna Block, Bankura District, West Bengal, India. In: Alam, A., Rukhsana (eds) Climate Change, Agriculture and Society. Springer, Cham. (20 May 2023 ISBN- 978-3-031-28251-5) [https://doi.org/10.1007/978-3-031-28251-5\\_6](https://doi.org/10.1007/978-3-031-28251-5_6)
10. 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](https://doi.org/10.1007/978-3-031-10406-0_1).
11. 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](https://doi.org/10.1007/978-3-031-10406-0_7).
12. 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](https://doi.org/10.1007/978-3-030-88881-7_7)

13. 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>.
14. 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](https://doi.org/10.1007/978-3-030-72196-1_15).
15. 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](https://doi.org/10.1007/978-981-16-6966-8_23).
16. 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>.
17. 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, 5<sup>th</sup> July 2021), DOI: <https://doi.org/10.1002/pa.2725>.
18. A Geospatial Analysis of Temporary Housing Inequality among Socially Marginalized and Privileged Groups in India, **Regional Science Policy & Practice**, **WILEY**, (ISSN 1757-7802, 22<sup>nd</sup> April, 2021), <https://doi.org/10.1111/rsp3.12425>.
19. 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 978-1-119-68711-529<sup>th</sup> October 2020), <https://doi.org/10.1002/9781119687160.ch7>.
20. 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>.
21. 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](https://doi.org/10.1007/978-3-030-69333-6_3).
22. 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](https://doi.org/10.1007/978-3-030-69333-6_7).
23. 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](https://doi.org/10.1007/978-3-030-69333-6_8).
24. 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](https://doi.org/10.1007/978-3-030-69333-6_9).
25. 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](https://doi.org/10.1007/978-3-030-69333-6_10).
26. 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](https://doi.org/10.1007/978-3-030-49115-4_1).
27. 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](https://doi.org/10.1007/978-3-030-69333-6_1).
28. 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](https://doi.org/10.1007/978-3-030-49115-4_5).

29. 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>.
30. 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.
31. 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.
32. 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]
33. 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].
34. 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]
35. 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]
36. 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].
37. 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]
38. 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].
39. 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](https://doi.org/10.1007/978-3-030-69333-6_11).
40. 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]
41. 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]
42. 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.
43. 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].
44. 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].
45. 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].

## Paper Presentation in National and International Seminar/ Conferences (52)

1. International Seminar and Conferences (37)

## 2. National Seminar and Conferences (15)

### Resource Person (23)

1. Invited as a chaired a session on Geographic analysis of health conditions at the 2<sup>nd</sup> Annual Health Geography Symposium for Ph.D. and emerging researchers 2023 on 14.12.2023 and 15.12.2023 organized by International Geographical Union Commission on Health and the Environment (IGU CHE), IGU Commission on Gender and Geography, Maastricht University, Universidade de Coimbra, Serampore Girls' College, University of Calcutta, India.
2. Invited as a chaired a session on Geographic analysis of health conditions at the 2<sup>nd</sup> Annual Health Geography Symposium for Ph.D. and emerging researchers 2023 on 14.12.2023 and 15.12.2023 organized by International Geographical Union Commission on Health and the Environment (IGU CHE), IGU Commission on Gender and Geography, Maastricht University, Universidade de Coimbra, Serampore Girls' College, University of Calcutta, India.
3. Invited as a Resource Person in the 7 Days National Level Capacity Building Workshop QGIS & Computer Application in Advance Geography Conducted by Department of Geography, Dinhata College, Dinhata, West Bengal from 3<sup>rd</sup> to 9<sup>th</sup> October, 2023.
4. Invited as a Session co-chair for Technical session 4 on the subtheme "Contemporary Health Issues in India" on 1st September, 2023 (Day-1) from 3.00 p.m. to 5.00 p.m, SERB, ICSSR, NABARD, NATMO, AnSI, SOI & ISRS, Government of India sponsored International Seminar on "Recent Advancement in Geographical Studies: A Multidimensional Outlook", scheduled on September 1-2, 2023 in the Department of Geography, Rampurhat College.
5. Invited Panelist on Unveiling the Unequal Burden: Climate Change's Disproportionate Impact on Marginalized Communities Organized by Bengali Academia for Social Empowerment (BASE), Kolakata, West Bengal; June 05, 2023.
6. Special Class for UGC NET Aspirants on Climatology Organized by Seasoned Academicians, Mumbai, Maharashtra; May 27, 2023.
7. Invited as a Resource Person in the online "Certificate Course" on "Research Methodology and GIS", Conducted by Department of Geography, Malda College, Malda from 12th March, 2023.
8. Invited as a Resource Person in the Special Lecture on 'Medical Tourism and Sustainable Development in India: An Exploration, Conducted by Department of Geography, Krishnagar Women's College, Krishnagar, on 2nd February, 2023.
9. Invited as a chaired a session on Geographic analysis of health conditions at the 1st Annual Health Geography Symposium for Ph.D. and emerging researchers 2022 on 15.12.2022 organized by International Geographical Union Commission on Health and the Environment (IGU CHE), IGU Commission on Gender and Geography, Maastricht University, Universidade de Coimbra.
10. Invited as a co-chaired on Mental Health at the 1st Annual Health Geography Symposium for Ph.D. and emerging researchers 2022 on 15.12.2022 organized by International Geographical Union Commission on Health and the Environment (IGU CHE), IGU Commission on Gender and Geography, Maastricht University, Universidade de Coimbra.
11. Invited as a Co-Chairman in the International Seminar On Essence of Geography: What, Where, Why and How on November 11 and 12, 2022, organized by Cooch Behar Panchanan Barma University at Cooch Behar, West Bengal, India.
12. Invited as a Key Speaker on "Data: Sources, Types, Acquisitions and Processing" held on 7th September, 2022 organized by the Department of Geography of Malda Women's College, Malda, West Bengal, India, 732101.
13. Invited as a Resource Person in the Student's Webinar on Role of Geography in Higher Education, organized by the Department of Geography, Subarnarekha Mahavidyalaya, (27/08/2022).
14. Invited as a Resource Person in the Certificate Course on 'Geography of Tourism' Conducted by Department of Geography Krishnagar Women's College, Krishnagar, on 21st June, 2022.
15. Invited as a Resource Person in the Special Lecture on 'India's Sustainable Development Goals: Role and Challenges' Conducted by Department of Geography, Malda College, Malda on 27th May, 2022.
16. Invited as a Resource Person in the Earth Day Special Lecture on "Sustainable Development Goals and India" Conducted by Department of Geography, Dewanhat Mahavidyalaya, Cooch Behar, on 25th April, 2022.
17. Invited as a Resource Person in the Special Lecture on "Ethics in Geographical Research" Conducted by Department of Geography, Saheed Kshudiram College, Cooch Behar, on 13th April, 2022.

18. Invited as a Resource Person in the 35 Hours Certificate Course on 'Data Collection, Representation and Analysis in Social Science', conducted by organized by Department of Geography, under the aegis of Internal Quality Assurance Cell, Banwarilal Bhalotia College, Asansol, West Bengal, India, on 15th January, 2022.
19. Invited as a Resource Person in the 'Online Special Classes' on Remote Sensing and Surveying (Practical), Conducted by Department of Geography, Dewanhat Mahavidyalaya, Cooch Behar, for 4th Semester from first week of June, 2021 to July, 2021.
20. Invited as a Resource Person in the 'Faculty Exchange Program' on Application of GIS in Thematic Mapping, Conducted by Department of Geography, Malda College, Malda on 22 June, 2021 to Present.
21. Invited as a Resource Person in the 'add on course' on Data Collection, Representation and Analysis in Social Science, Conducted by Department of Geography, Malda College, Malda on February 21 to 24 April, 2021.
22. Invited as a Resource Person in the workshop on Practical Lessons on "Climatology, Hydrology and Oceanography" organized by the Department of Geography, Vivekananda College, Kolkata on 21st November, 2019.
23. Invited as a Co-Chair Person in the 7th annual international virtual convention on Climate Change & Water (C3W-2020) entitled "Sustainability in Current Scenario: Challenges & Solutions" (SCSCS-2020), Centre for Climate Change & Water Research, Suresh Gyan Vihar University, Jaipur (INDIA), 5th to 7th November, 2020.

#### **Others Academic achievements (20)**

1. Convenor in a State Level Webinar on "Intellectual Property Rights" on 27 May, 2023 Organized by IQAC, Serampore Girls' College, Serampore.
2. Coordinator of 30 Hours Add on / Certificate Course on Hands on tool Programme in Practical Geography for Undergraduate students at Department of Geography, Serampore Girls' College, 13, T.C. Goswami Street, Serampore, Hooghly - 712201, West Bengal, India
3. Member of IQAC at Serampore Girls' College, 13, T.C. Goswami Street, Serampore, Hooghly - 712201, West Bengal, India (Under University of Calcutta).
4. Convenor in Admission Committee for the year of 2023 at Serampore Girls' College, 13, T.C. Goswami Street, Serampore, Hooghly - 712201, West Bengal, India (Under University of Calcutta).
5. Member of Organizing committee of Annual Online Health Geography Symposium organized by International Geographical Union's Commission on Health and Environment (IGU CHE), collaboration with University of Coimbra & Maastricht University, 2022.
6. 23rd State Eligibility Test (SET) Examination Coordinator of the Test Centre of the Serampore Girls' College 13, T.C. Goswami Street, Serampore, Hooghly - 712201, West Bengal, India (Under University of Calcutta).
7. Nodal Officer for Vaccination of students, 2021 at Serampore Girls' College, 13, T.C. Goswami Street, Serampore, Hooghly - 712201, West Bengal, India (Under University of Calcutta).
8. Jn. Convener in the Examination Committee for 2nd 4th and 6th Semester Examination, 2021 at Serampore Girls' College, 13, T.C. Goswami Street, Serampore, Hooghly - 712201, West Bengal, India (Under University of Calcutta).
9. Jn. Convener in the Examination Committee for 3rd and 5th Semester Examination, 2021 at Serampore Girls' College, 13, T.C. Goswami Street, Serampore, Hooghly - 712201, West Bengal, India (Under University of Calcutta).
10. Coordinator of Indian Institute of Remote Sensing (IIRS) Outreach Programme at Serampore Girls' College, 13, T.C. Goswami Street, Serampore, Hooghly - 712201, West Bengal, India (Under University of Calcutta).
11. Convener in the National Seminar on Self- reliance (Atmanirbhar), Sustainable Development and Environment on 25th & 26th March 2022 Sponsored by Indian Council of Social Science Research (ICSSR), Organized by Department of Geography Serampore Girls' College
12. Jn. Convener in the State Level Webinar on 'Learning Ecosystem Under COVID – 19 New normal – The Indian Context' Department of Geography, Serampore Girls' College on 20th July, 2020.
13. Member of Internal Audit Committee at Serampore Girls' College, 13, T.C. Goswami Street, Serampore, Hooghly - 712201, West Bengal, India (Under University of Calcutta).



14. Member of Research and Journal Committee at Serampore Girls' College, 13, T.C. Goswami Street, Serampore, Hooghly - 712201, West Bengal, India (Under University of Calcutta).
15. Member of Library Committee at Serampore Girls' College, 13, T.C. Goswami Street, Serampore, Hooghly - 712201, West Bengal, India (Under University of Calcutta).
16. Member of Magazine Committee at Serampore Girls' College, 13, T.C. Goswami Street, Serampore, Hooghly - 712201, West Bengal, India (Under University of Calcutta).
17. Member of Sports and Youth Affairs Committee at Serampore Girls' College, 13, T.C. Goswami Street, Serampore, Hooghly - 712201, West Bengal, India (Under University of Calcutta).
18. Member of NSS Advisory Committee at Serampore Girls' College, 13, T.C. Goswami Street, Serampore, Hooghly - 712201, West Bengal, India (Under University of Calcutta).
19. Member of Counselling for mental health Committee at Serampore Girls' College, 13, T.C. Goswami Street, Serampore, Hooghly - 712201, West Bengal, India (Under University of Calcutta).
20. Member of Career Counselling Committee at Serampore Girls' College, 13, T.C. Goswami Street, Serampore, Hooghly - 712201, West Bengal, India (Under University of Calcutta).

### **Orientation, Refresher Courses, Workshop Programme on Research Methodology and Faculty Development Program (7)**

1. 7th Faculty Induction Programme (FIP-07) organized by the Human Resource Development Centre, University of Calcutta from 1st February to 8th March, 2022.
2. One Week online Short Term Course on "ICT" organized by Human Resource Development Centre, Gujarat University, Ahmedabad from 17th to 23rd May, 2021.
3. Two weeks online Refresher Course in Social Sciences organized by the Human Resource Development Centre, University of Hyderabad from 5th to 17th October, 2020.
4. One Week online Faculty Development Programme on "OPEN SOURCE GIS SOFTWARE – QGIS" organized by department of Geography, HNB Garhwal University, Uttarakhand in collaboration with Geography department, IASE, (Deemed to be University) Churu, Rajasthan.
5. Seven Day Faculty Development Programme on "Emerging Tools and Trends in Contemporary Research" Department of Sociology, N.A.S. (P.G.) College, Meerut Research Foundation (International), New Delhi International Roma Cultural University (Serbia – India), ASDF International, London, United Kingdom.
6. Participated and successfully completed "One Week Online National Faculty Development Program on E-Contents and ICT Tools for Innovative and Effective Teaching & Learning Process" Organized by Roorkee College of Management & Computer Applications, Roorkee from 8 August to 14 August, 2020.
7. Attended a 5 Days (15 hours) Online FDP (Faculty Development Program) on An Insight into Research Methodology in Social Science, from 24th August to 28th August, 2020, Organized by IQAC of Barasat College, Barasat, West Bengal.

### **Computer Skill**

1. Remote Sensing and GIS (Geographic Information System): QGIS, Map Info, ArcView, ERDAS and ArcGIS.
2. SPSS and STATA.
3. Microsoft Office.

### **Reviewer in International Journals (13)**

1. Urban Governance (Elsevier)
2. GeoJournal (Springer)
3. Journal of the Indian Society of Remote Sensing (Springer)
4. SN Social Sciences (Springer)
5. Applied Geomatics (Springer)
6. Frontiers in Geochemistry
7. Asia Pacific Journal of Public Health (SAGE Publications)
8. Environment, Development and Sustainability (Springer)
9. Journal of Public Affairs (WILEY)
10. Applied water science (Springer)



11. BMC Public Health (BMC)
12. SSM - Population Health (Elsevier)
13. Heliyon



### Interests and activities

Writing, Acting, Travelling, Outdoor sports (Cricket, football, Khokho)  
I am very interested with social activities, also engaged with a local level club.

### Official Links (8)

1. [http://seramporegirlscollege.org/dept/bio/Geography/A\\_Alam\\_CV\\_2023\\_.pdf](http://seramporegirlscollege.org/dept/bio/Geography/A_Alam_CV_2023_.pdf) (Faculty Academic Profile)
2. <https://www.researchgate.net/profile/Asraful-Alam-4> (Research Gate) 
3. <https://orcid.org/0000-0001-7683-9206> (ORCID ID) 
4. Scopus Author ID: 57215675029   
(<https://www.scopus.com/authid/detail.uri?authorId=57215675029>)
5. Vidwan-ID : 257219 
6. Loop profile: 1905435  (<https://loop.frontiersin.org/people/1905435/overview> )
7. SciProfiles: 2697193  (<https://sciprofiles.com/profile/DrAsrafulAlam> )
8. Web of Science  (<https://www.webofscience.com/wos/author/record/HTO-1913-2023>)

### Present Address:

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

*Asraful Alam*

04/01/2024

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