

## Teacher's Profile

### General Information

**Name:** PRASHASTI BHATTACHARYYA

**Designation:** Assistant Professor

**Department:** Geography

**Contact Information:** *prashastibhattacharyya@gmail.com*

**Specialization:** Environmental Geography (PG)  
Cartography (UG)



### Academic Qualification

- Masters (M.Sc.) in Geography with specialization in Environmental Geography from University of Calcutta with 1<sup>st</sup> Class
- Under-graduate (B.Sc.) in Geography with specialization in Cartography from Lady Brabourne College, University of Calcutta with 1<sup>st</sup> Class
- Higher Secondary from Modern High School for Girls, Kolkata with 1<sup>st</sup> Division
- School final (Madhyamik) from Carmel High School, Kolkata with 1<sup>st</sup> Division\*

### Professional Information

#### 1. SARSUNA COLLEGE, KOLKATA (Since 2<sup>nd</sup> January, 2007)

- Assistant Professor
- Course Coordinator, PGDM Course on GIS & Remote Sensing in collaboration with Esri India

#### Job Responsibilities and Main Professional Activities in the college undertaken till date

- Teaching post graduate and under-graduate Honours courses in all theoretical and practical fields of Geography with specialization in Environmental Geography.
- Undertaking all field surveys as main advisor in different geographical zones of India.
- Comprehensive experience in administration of the Department in particular and the College in general. Acted as Department in Charge from 2007- 2012 and 2014 -2018.

- Regularly acts as examiner of different University examinations of Post graduate, Honours and General courses.
- Acting as paper setter of important public and University examinations since 2004.
- Organised UGC Sponsored State Level Seminar on “*Geographical Appraisal of the City of Joy’s Environmental Well-being*” was organised by the **Department of Geography, Sarsuna College** in collaboration with **Kolkata Municipal Corporation** and **Computer Aided Design (CAD) Centre of Jadavpur University** on 17<sup>th</sup> & 18<sup>th</sup> January, 2012 at the Town Hall, Kolkata.
- Presently member of the Internal Quality Assurance Cell (IQAC) and the Planning Board of the College.
- Member of academic, cultural and other committees of the College.
- Teacher Member of College Governing Body and Finance Committee till 2020
- Chairperson, Board of Studies for Post Graduate Course in this College under University of Calcutta (2014 – 2018)

## **Previous Experiences:**

### **1. LADY BRABOURNE COLLEGE, Kolkata (December, 2003 – December, 2006) Part-time Lecturer, Post-graduate Section of Department of Geography**

#### **Job Responsibilities**

- Teaching in Post-graduation in sub-fields like Climatology, Biogeography, Zoogeography, Environmental Geography, Political Geography and Special Paper Population and Welfare Geography
- Provided advisory services in field works and PG dissertation works on Population and Welfare Geography.

### **2. NETAJI NAGAR DAY COLLEGE, Kolkata (March, 2004 – December, 2006) Contractual Whole-time Lecturer, Department of Geography**

#### **Job Responsibilities**

- Teaching under-graduate Honours and General courses in all theoretical and practical fields.
- Undertaken all field surveys as main advisor in different geographical zones of India.

## **Research Publication**

### **Journal Publication:**

- Bhattacharyya, D. and Bhattacharyya, P., “ A Brief Assessment of Coastal Vulnerability of Gopalpur and Surrounding Coast of Orissa”, Paper in International Seminar on Global

Environmental Challenges: Environment, Society and Development in the Anthropocene, 6<sup>th</sup>-7<sup>th</sup> March, 2020, Dept. of Geography, Women's Christian College in collaboration with School of Oceanographic Studies, Jadavpur University, Kolkata.

- Bhattacharyya, P. and Dasgupta, S., “Landslide Susceptibility Analysis: A Case Study of Nainital Municipal Area”, Paper in International Seminar on Sustainable Development and Inclusive Growth, Methods to Methodology, 3<sup>rd</sup> -4<sup>th</sup> March, 2020, Dept. of Geography, Lady Brabourne College in collaboration with School of Oceanographic Studies, Jadavpur University, Kolkata.
- Bhattacharyya, P., “Assessing Water and Soil Quality and Impact of Uncontrolled Urbanisation of Selected Wetland Areas of Kolkata and Howrah”, Paper in One Health and Ecosystem Services, The Academy of Environmental Biology Journal, ISBN 978-81-940844-2-6, 39<sup>th</sup> Annual Conference, ICAR National Bureau of Fish Genetic Resources, 2019, Lucknow
- Bhattacharyya, P., “Analysing the Antagonism between Contemporary Urban Women Empowerment and the Family Formation: A Case Study in a Part of Kolkata”, Plenary Lecture and Paper in Human Rights International Research Journal, ISSN 2320-6942, UGC approved Sl. No. 63778, SE Impact Factor 2.54, International Conference on Advances in Women Entrepreneurship, Gender Equality, Law, Business and Social Sciences, 2018, Mumbai.
- Bhattacharyya, P., and Dey, M., “Urban Expansion into East Kolkata Wetlands and its Associated Effects”, Abstract in Pre-Seminar Proceeding Volume and Paper in Peer-reviewed e-journal, ISSN No. 2581-3471, National Seminar on Environmental Issues, 6<sup>th</sup>-7<sup>th</sup> April, 2018, Kolkata.
- Bhattacharyya, P., “A Brief Appraisal of Transforming Living Space of South Kolkata”, The International Journal of Humanities & Social Studies, April Issue, 2014 [ISSN: 2321 – 9203; IF: 0.587]
- Bhattacharyya, P., “Crimescape Analysis of Kolkata, the City of Joy”, International Journal of Innovative Research & Development, Vol. 3, Issue 4, March, 2014. [ISSN: 2278 – 0211; IC Value: 6.19]
- Bhattacharyya, P., “A Geographical Perusal of Deviance in Kolkata”, Abstract in Pre-Seminar Proceeding Volume and Paper in Post-Seminar Proceeding Volume of National Seminar on Contemporary Research in Geography’, 14<sup>th</sup>- 15<sup>th</sup> March, 2014, Kolkata.
- Bhattacharyya, P., “A Transforming City and its Changing State of Environmental Wellbeing: A Special Emphasis on South Kolkata”; Abstract in Pre-Seminar Proceeding Volume and Paper in Post –Seminar Proceeding Volume of UGC sponsored State-level

Seminar on Geographical Appraisal of the City of Joy's Environmental Wellbeing, 2012, Kolkata.

- Bhattacharyya, P., "Aerosols, Climate Change and The Indian Monsoon", Quest, Journal of the Faculty of Science, Sarsuna College, Volume 1, No. 1, March, 2011, pg. 31-37, Kolkata.
- Bhattacharyya, P., "The Crime Component of Kolkata's Social Environment: A Brief Study", Asian Studies, Vol.XXV, June-December 2007, pg.47-69, Netaji Institute for Asian Studies, Kolkata.

## **Other Publication:**

### **Book Publications**

- Bhattacharyya, D. and Bhattacharyya, P., "A Brief Assessment of Coastal Vulnerability of Gopalpur and Surrounding Coast of Orissa", Accepted for publication in Edited Volume by Women's Christian College, Kolkata.
- Bhattacharyya, P., Saha, S., and Dasgupta, S., "An Environmental Management Plan of Mirik", Recent Trends in Agriculture, Environment, Sustainability and Life Science, ISBN: 978-81-8914-059-5.
- Co-editor of book, "Contemporary Research Perspectives in Geography", ISBN 978-81-89140-54-0, Sparrow Publication, Kolkata.
- Bhattacharyya, P., Das, S., and Roy, S., "Environment and Liveability Status of South Kolkata", Contemporary Research Perspectives in Geography, ISBN 978-81-89140-54-0, Sparrow Publication, Kolkata.
- Bhattacharyya, P., and Chatterjee, R., "Analysing the livability status of South Kolkata, the once fringe areas of the City of Joy", *Perspectives on Inclusive Urbanism: Exploring Marginality in Kolkata*, edited by S. Basu, Alphanumeric Publishers, Kolkata-29, July 2018 [ ISBN: 978-81-925563-7-6].
- Guha, A., Roy Chowdhury, B., and Bhattacharyya, P., Human and Economic Aspects of Geography, Sparrow Publication, May 2018 [ISBN: 978-8189140-55-7]

## **Seminar/Workshop/others attended**

- International Seminar on Global Environmental Challenges: Environment, Society and Development in the Anthropocene, organised by Dept. of Geography, Women's Christian

College in collaboration with School of Oceanographic Studies, Jadavpur University, 6<sup>th</sup>-7<sup>th</sup> March, 2020, Kolkata.[ Paper presented]

- International Seminar on Sustainable Development and Inclusive Growth, Methods to Methodology, organised by Dept. of Geography, Lady Brabourne College in collaboration with School of Oceanographic Studies, Jadavpur University, 3<sup>rd</sup> - 4<sup>th</sup> March, 2020, Kolkata. [Paper presented]
- Workshop on Post Graduate Teaching in Geography, organised by Dept. of Geography, University of Calcutta in collaboration with Vivekananda College for Women, 26<sup>th</sup> February, 2020, Kolkata.
- One Health and Ecosystem Services, 39<sup>th</sup> Annual Conference, ICAR National Bureau of Fish Genetic Resources, 29<sup>th</sup> – 30<sup>th</sup> November, 2019, Lucknow [Paper presented as Resource Person]
- Interactive Session on ‘West Bengal Government Health Scheme, UGC Gazette Notification 2018 on Appointment and CAS’, organised by WBCUPA, 11<sup>th</sup> October, Kolkata.
- Esri India User Conference 2018, 4<sup>th</sup> September, 2018, Kolkata. [ Resource Person]
- 2<sup>nd</sup> World Clean Environment Summit, organised by International Benevolent Research Foundation and Confederation of Indian Universities, Delhi, 16<sup>th</sup> – 18<sup>th</sup> July, 2018, Kolkata. [Awardee and paper presented]
- National Conference on “Contemporary Research Perspectives in Geography”, organised by International Benevolent Research Foundation and Confederation of Indian Universities, Delhi, 17<sup>th</sup> -18<sup>th</sup> May, 2018, Kolkata. [ Paper presented, Session Co-chairman and organiser]
- Workshop on Under Graduate Teaching in Geography, 8<sup>th</sup> May, 2018, Dept. of Geography, Sri Shikshayatan College, Kolkata in collaboration with Faculty Council of Undergraduate Studies and Board of Undergraduate Studies in Geography, University of Calcutta.
- International Conference on Advances in Women Entrepreneurship, Gender Equality, Law, Business and Social Sciences, 13<sup>th</sup>-14<sup>th</sup> April, 2018, Mumbai. [Plenary Lecture]
- National Seminar on “Environmental Issues”, organised by Vivekananda College for Women, 6<sup>th</sup>-7<sup>th</sup> April, 2018, Kolkata. [Paper presented]
- International Webinar on Organised Higher Academics in South Asia: Changing Perspectives, 25<sup>th</sup>-26<sup>th</sup> February, 2019, Sarsuna College, Kolkata.

- 2<sup>nd</sup> Regional Science and Technology Congress (Southern Region) 2017, organised by University of Kalyani & Dept. of Higher Education, Science and Technology and Biotechnology, Govt. of West Bengal, 14<sup>th</sup> -15<sup>th</sup> December, 2017, Kalyani. [ poster presentation ]
- UGC sponsored State-level Seminar on “Geographical Appraisal of the City of Joy’s Environmental Wellbeing”, organised by Dept. of Geography, Sarsuna College in collaboration with Kolkata Metropolitan Corporation and CAD Centre, Jadavpur University, 2012, Kolkata. [ Convener and paper ]
- UGC sponsored National level Seminar on “Sustainable Development: An Interdisciplinary Approach” organised by Sarsuna College, Kolkata, 23-24 September, 2011.
- UGC sponsored State-level Seminar on “Guidance and Counselling”, organised by Sarsuna College, Kolkata, 4<sup>th</sup> October, 2010.

## **Awards**

- Clean Environment Promotion Award 2018 given on the Occasion of 2<sup>nd</sup> World Clean Environment Summit, 16 -18<sup>th</sup> July, 2018, Kolkata, by International Benevolent Research Foundation and Confederation of Indian Universities.
- IMRF Distinguished Teacher Award, April 13, 2018 in International Conference on Advances in Women Entrepreneurship, Gender Equality, Law, Business and Social Sciences 2018 (Govt. of India Approved Conference, MHA Vide: F.No. 42180123/CC-50; MEA: F.No. AA/162/01/2018-560), Mumbai.

## **Teaching Fields and Interests**

- Climatology
- Geomorphology
- Hydrology
- Biogeography
- Environmental Geography, Disaster Management
- Regional Planning
- Contemporary Issues of Human Development
- Practical fields, viz. Geological and topographical map interpretation, geospatial analysis based on topographical maps, preparation of analytical maps, quantitative

techniques of spatial analysis, GIS and Remote sensing application, field studies and dissertations.

## **Research Interests**

- Urban Planning and Regional Development emphasizing liveability status, crisis areas and environmental impact assessment and improvement
- Physical Environmental Issues specially changing weather and disasters like cyclone; air, water and noise pollution; vulnerability and impact analysis of landslide, flood, coastal erosion, drainage basin management, man-animal conflict
- Social issues specially Geography of Crime and Deviance, Gender disparity, Urban Health
- Tourism Development and Impact Assessment

## **Research Project Undertaken**

Completed Minor Research Project on “**Analysis of the changing environment and livability of South Kolkata, the once fringe areas**” funded by University Grants Commission under MRP Scheme.

## **List of broad topics of Completed Student Dissertations / Field Projects Under Guidance**

- Status of lakes and relation with changing environment of surroundings
- Landuse transformation and allied environmental problems of Municipalities
- Environmental impact on agriculture
- Environmental degradation due to industrial development and fast urbanisation in different areas
- Landslide Vulnerability Assessments of hill stations
- Coastal Vulnerability Assessments
- Disparity in urban services and amenities in urban areas
- Patterns of crime and urban landuse
- Urban Expansion into the East Kolkata Wetlands and Associated Effects
- Environment and the Child and the Aged
- Man and animal conflict in the Sundarbans
- Measuring Ecological Footprint of People in urban area
- Development and problems of transport system of urban area
- Field Study of Urban Microclimates
- Water Quality and Soil Quality studies
- Assessment of Waste Disposal System, Water Supply System
- Ethical consumerism and consciousness
- Changing state of urban landuse and resultant impact on waterbodies of urban areas
- Flood Hazard Vulnerability Assessment.
- Analysis of urban services, waterlogging problem etc

- Unemployment, underemployment, feminisation of job issues and vulnerable groups
- Status of waterbodies as related to agriculture, fishing and industries
- Disorganizing Urban Society and The Youth
- Analysis of contemporary human behaviour like sleeping habits and its relation to health disorders, Locavorism and unsustainable dietary habits
- Facets of political environment and effects
- Urban family formation and state of women
- Environmental Status of Kodaikanal Lake, Nainital Lake and other waterbodies of urban areas like Kolkata, Howrah
- Water Pollution and Health Related Issues of urban areas
- Slum Environment
- Gentrification and Changing Middle Class Housing Environment
- A Contemporary Environmental Perspective of Religion Among Urban Community
- Status of Health and Disease in Pujali Municipality
- Environmental consciousness in urban area

## **Other Associations**

- Council member of GIS Academia Council of India, Esri India
- Government Nominee in Governing Body of Vivekanada College for Women, Kolkata from 2015-2018
- Government Nominee in Governing Body of Behala College, Kolkata (2020 onwards)
- Convener of the Sarsuna College Unit of West Bengal College and University Teachers Association (WBCUPA)
- Member of Green's Wildlife Lover's Forum, UAE and India Chapter, Wayanad, Kerala.