

## **Dr Rekha Biswas**

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**Qualifications:** M. Sc., B. Ed., Ph. D. (Geography)

**Designation:** Assistant Professor of Geography, HOD

**Domain(s) of Specialization :** Cartography, Remote Sensing & GIS

### **Teaching Experience :**

- Working as an Assistant Professor of Geography at Prasanta Chandra Mahalanobis Mahavidyalay, Bon-Hooghly, Kolkata, from 12 June 2017.
- Worked as Part-Time Lecturer in Geography at Vivekananda Mahavidyalaya, Haripal, Hooghly from 3rd November 2009 to 31st March 2011.

### **Research Extension :**

Ph. D. topic on Determinants of Watershed Development: An Approach to Physical and Socio-Economic Bases of Stream Corridor Restoration in Neora River, Jalpaiguri and Darjeeling Districts.

### **Research Experience :**

- Worked as a Full-Time UGC- *Junior Research Fellow (JRF)* between April 2011 to March 2013 at Presidency University, Kolkata for pursuing Ph.D. in Geography.
- Worked as a Full-Time UGC- *Senior Research Fellow (SRF)* from April 2013 to June 2014 and from July 2015 to March 2016 at Presidency University, Kolkata for pursuing Ph.D. in Geography.

### **Achievements :**

- Qualified the UGC National Eligibility Test for Junior Research Fellowship and Eligibility for Lectureship, [JRF-NET (UGC), December 2008], in Geography
- Qualified the UGC National Eligibility Test for Junior Research Fellowship and Eligibility for Lectureship, [JRF-NET (UGC), June 2009], in Geography

### **Awards :**

Was awarded the degree of Ph. D in Geography by the University of Calcutta in the year 2017.

**Seminar(s) / Conference(s) Attended :**

1. Presented a Paper entitled “Cropping Pattern of The Ajoy-Damodar Interfluves Zone, Bardhaman, West Bengal”, in the International Conference on Land Use Change, Biodiversity and Sustainable Resource Management organized by the Department of Geography, C.M. Dubey P.G. College, Bilaspur, Chhattisgarh from 7 to 9 October 2009.
2. Presented a Paper entitled “Urban Scenario of Kalyani Municipal Town- Nadia District, West Bengal: A Perspective of Growth and development”, in the National Seminar on Emerging Issues in Geography organized by the Department of Geography, Visva-Bharati, Santiniketan & Indian Geographical Foundation, Kolkata on 20 and 21 March 2010.
3. Attended a UGC sponsored National Level Seminar on “Resource Management and Sustainable Development” organized by the Department of Geography, East Calcutta Girls College, Lake Town, Kolkata on 23 and 24 September 2011.
4. Presented a paper entitled “River bank erosion and its impact on human life , a case study of Mal River near Nakhati Tea Garden, Jalpaiguri, West Bengal”, in the UGC sponsored National Level Seminar on Human Dimensions of Environmental organized by the Department of Geography, Kazi Nazrul Islam Mahavidyalaya on 8 and 9 February 2013.

**Workshop/Online Course/Short-Term Course/FDP Participation**

1. Two Days’ Workshop cum Hands on Training Programme on “*The Application of ICT & E-Learning Module in Teaching Learning System*”, Jointly organized by The Centre for Environment and Economic Development(CEED), New Delhi and IQAC, Women’s Christian College, Kolkata on 13 July and 14 July 2018 at Women’s Christian College, Kolkata.
2. Two Days’ Workshop on “*Advanced Mapping Techniques using Drone, Open Source Software and Mobile Based Apps*”, organized by Department of Geography, East Calcutta Girls’ College, Lake Town in Collaboration with National Atlas and Thematic Mapping Organization & INCA, Kolkata Chapter on 16 April and 17 April 2019 at East Calcutta Girls’ College, Lake Town, Kolkata.
3. Two Week Interdisciplinary online Faculty Development Programme (FDP) on “*Earth, Environment and Space Sciences for Mankind*” organized by Department of Geography,

Faculty of Earth, Environment and Space Sciences, Chaudhary Bansi Lal University, Bhiwani between 21 May 2020 to 30 May 2020.

4. Online workshop on “*Mapping and Data Analysis Using Python and Statistical Tools*” organized by Department of Computer Science and IQAC, East Calcutta Girls’ College between 2 June to 8 June 2020.
5. Online Course on “*Remote sensing & GIS technology and Applications for University Teachers and Government Officials*” conducted by Indian Institute of Remote Sensing(IIRS), ISRO Dehradun during 13 June 2020 to 1 July 2020.
6. Online workshop on “*Research Methodology*” organized by IQAC, Acharya Prafulla Chandra College in Collaboration with IQAC, East Calcutta Girls’ College between 22 June to 26 June 2020.

#### **Seminal Publications :**

- Biswas, R., Chakraborty, S. (2011): Impact of Agro-Environmental Landscape on Crop Land Use– An Approach to the Determination of Agro-Economic Status, Ajoy-Damodar Interfluvial Zone, Bardhaman, West Bengal, *Indian Journal of Landscape Systems and Ecological Studies*, Vol. 34, No. 2, pp. 33-42.
- Biswas, R., Chakraborty, S. (2016): Watershed Prioritization Based On Geo-Morphometry And Land Use Parameters – An Approach To Watershed Development Using Remote Sensing And GIS, Neora Watershed, Darjeeling And Jalpaiguri Districts, West Bengal, India, *IOSR Journal of Applied Geology and Geophysics (IOSR-JAGG)* e-ISSN: 2321–0990, p-ISSN: 2321–0982. Volume 4, Issue 3 Ver. I, PP 36-48, DOI: [10.9790/0990-0403013649](https://doi.org/10.9790/0990-0403013649)
- Biswas, R. (2018): Socio-Economic Condition of the People in Son Gachhi Tea Estate in Jalpaiguri District of West Bengal, *Journal of Emerging Technologies and Innovative Research*, Volume 5, Issue 8, PP 377-39 DOI: [10.1729/Journal.18242](https://doi.org/10.1729/Journal.18242)