

SRABANTI BHATTACHARYA

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**Principal, Rani Birla Girls' College
38, Shakespeare Sarani, Kolkata-17**

Education

Ph.D. in Geography, Department of Geography, Calcutta University, Title of Thesis: An Appraisal of the Drinking Water Supply System of Kolkata (K.M.C) City: Its Past, Present and Future Supervisor: Prof. S.R Basu (Department of Geography, Calcutta University)	2005
M.Sc. in Geography Ballygunge Science College, Calcutta University Secured 3 rd Position (74%)	1998
B.Sc. (Honours) In Geography Presidency College, Calcutta University (61%)	1996
Higher Secondary Modern High School for Girls, Kolkata (66%)	1993
Secondary Carmel High School, Kolkata (73%)	1991

Present Position

- Presently working as Principal of Rani Birla Girls' College, Kolkata (Affiliated to the University of Calcutta), (Joined on 29/09/2022)

Previous experience

May 2021- Sept 2023	Principal, Saheed Anurup Chandra Mahavidyalaya, Burul, South 24 Pgs. [12/05/2021 to 29/09/2022(forenoon)]
Jan 2015 - May 2021	Associate Professor, Department of Geography, Rani Birla Girls' College (16/01/2015 to 11/05/2021)
Jan 2003 - Jan 2015	Assistant Professor, Department of Geography, Rani Birla Girls' College (16/01/2003 to 15/01/2015)
July2014 - June 2019	Editor of 'Mindspace' Academic Journal of Rani Birla Girls' College.
June2006 - June 2014	Managing Editor of 'Mindspace' Academic Journal of Rani Birla Girls' College.
November 2002	Expert for the purpose of Paper setting / Moderation / Examining answer scripts of Netaji Subhas Open University
Dec 2001 – June 2002	Academic Resource Person of Netaji Subhas Open University
Nov 1999 – July 2000	Free-lance copy editor of Geography text books for McMillan India Pvt. Ltd
Aug 1999 – July 2000	Lecturer (Part-time) in Geography in Sivanath Sastri College, Kolkata
July 1999 – June 2000	Lecturer (Part-time) in Geography in Deshbandhu College for Girls, Kolkata

Awards, Fellowships and Scholarships

2009-2010	NRTT-CSSSC Post-Doctoral Fellowship at Centre for Studies in Social Sciences Calcutta (CSSSC), Kolkata
2003	Stipend ship under Student Stipend ship Programme of Sarai , at Center for the Study of Developing Societies (CSDS), Delhi
2002	Senior Research Fellowship by University Grants Commission
2000	Junior Research Fellowship by University Grants Commission
1999	Qualified for the National Eligibility Test (NET) with JRF held by the University Grants Commission (UGC)

1996-1997

National Scholarship for Post Graduate study by Ministry of Human Resource Development, Govt. of India

Research Experience

- **Senior and Junior Research Fellow (UGC)** for Doctoral research from April 2000 to January 2003. Study on interrogating the water supply of Kolkata, its evolution, issues of concern and future possibilities.
- Post-Doctoral Fellow at Centre for Studies in Social Sciences Calcutta (CSSSC), Kolkata (**NRTT-CSSSC Post-Doctoral Fellowship**) from August 2009 to August 2010. Worked on right to water and its' understanding among the urban poor of Kolkata. The findings were published as Occasional Paper from Centre for Studies in Social Sciences Calcutta (CSSSC)
- Worked as a Principal Investigator for a UGC-Minor Research Project on **“Informal Water Vendors and the Urban Poor of Kolkata: A Study on their Role and Relevance”** from April 20014 to April 2016 under the Minor Research Project Scheme of the **University Grants Commission**

Publications

TEXT BOOKS:

- Basu S.R. and **Bhattacharya S.; (2005)**: Uchya Madhyamik Bhugol-I –Kalyani Publishers, Kolkata, ISBN 81-272-2084-1
- Basu S.R. and **Bhattacharya S.; (2006)**: Uchya Madhyamik Bhugol-II –Kalyani Publishers, ISBN 81-272-2658-0

MONOGRAPHS:

- **Bhattacharya S.; (2014)**: The Right to Water: Juxtaposing Normative Conceptualizations to Lived Experiences and Perceptions of the Urban Poor; Occasional Paper no. 181, Centre for Studies in Social Sciences Calcutta, Kolkata.

PAPER IN EDITED VOLUMES:

- **Bhattacharya S.;**(2022): *Water Vendors of Peri Urban Kolkata: Life Livelihood and Lived Experiences* in Sustainable Urbanism in Developing Countries, Ed. Uday Chatterjee et.al. Taylor and Francis, CRC Press, Boca Raton, pp. 395-406 ISBN: 978-0-367-64934-0
- **Nath A, Bhattacharya S. et. al. (2021):** *Evaluation of Long-term Shoreline Changes Between Rasulpur and Subarnarekha Estuary, East Coast of India Using Remote Sensing and GIS Techniques* in Land Reclamation and Restoration Strategies for Sustainable Development: Geospatial Technology Based Approach, Ed. G. S. Bhunia, U. Chatterjee, A Kashyap and P.K Shit, part of Modern Cartography Series Vol 10, Elsevier Amsterdam, pp. 337-351, ISBN: 9780128238950
- **Bhattacharya S. and Paul K.; (2017):** *Ganga Pollution in West Bengal; A Longstanding Concern* in Coherence, Seminar Edition, Vol. 2, Issue 2, The Bhawanipur Education Society College, Kolkata, pp. 78-88. ISBN: 978-81-930092-8-4
- **Biswas C. and Bhattacharya S.; (2016):** *Climatic Influence on Socio-Temporal Distribution of Malaria in West Bengal* in Climate and Society: A Contemporary Perspective, Ed. Halder A., and Satpati L., Kolkata, pp. 163-175. ISBN: 978-81-923448-0-5
- **Bhattacharya S.; (2014):** *Tracing the Right to Water in India: Reading the Existing Provisions* in In Search of Lost Space, Ed. Das N., Kolkata, pp. 36-51. ISBN 978-81-7768-108-6
- **Bhattacharya S.; (2010):** *Industrial Water Use in India: A Case of Concern* in Teaching and Research Methodology in Geography, Proceedings of the Ninth Refreshers Course in Geography, Ed. Das P., Kolkata, pp. 210 – 217.
- **Bhattacharya S.; (2004):** *Calcutta's Water Supply: A Historical Perspective*, in Geomorphology and Environment, Ed. Singh S., Sharma H.S. and De S.K., Kolkata, pp. 484-507. ISBN: 81-87500-19-0

- Basu S.R. and **Bhattacharya S.;** (2004): *Arsenic Menace in West Bengal* in Contemporary Environmental Issues of Bengal Basin, Ed. Basu S.R. and Ghosh R.B., Kolkata, pp. 7-18. ISBN: 81 -87500-17-4

JOURNAL PUBLICATIONS:

- **Bhattacharya S.;** (2019): *A Comparative Study of Quality Differential between Vendor Water and Open Access Sources: Evidences from Kolkata*, Artha-Beekhan, Vol.28, No. 3, Kolkata, ISSN 0972-1185
- **Bhattacharya S.;** (2016-17): *Informal Water Supply and the Urban Poor of Kolkata: An Exploratory Study of the Consumer Profile*, Mindspace- Academic Journal of Rani Birla Girls' College, Vol.7, Kolkata ISSN: 2320-284X.
- **Bhattacharya S.;** (2012-13): *Right to Water in India: Constitutional, Judicial and Policy Interpretations*, Mindspace- Academic Journal of Rani Birla Girls' College, Vol.5, Kolkata ISSN: 2320-284X
- **Bhattacharya S. ;** (2008): *An Analytical Study Of the Impact of the Sethusamudram Project and an Assessment of its Viability*, Mindspace- Academic Journal of Rani Birla Girls' College, Vol.2, Kolkata
- Basu S.R. & **Bhattacharya S. ;** (2007): *Idol Immersion during Durga Puja and Resultant Pollution of the Hugli River in and around Kolkata*- Geographical Review of India , Vol 69, NO.3 Kolkata pp. 269-276. ISSN: 0375-6386
- Basu S.R. & **Bhattacharya S.;** (2003): *Arsenic Menace in South Calcutta*—Indian Journal of Power and River Valley Development, Vol.53, No. 12, Kolkata, pp. 222-228. ISSN: 0019-5537

CONFERENCE PROCEEDINGS:

- **Bhattacharya S.; (2009):** Differential Access to Water in Kolkata: Inequities in Distribution and Governance, in Workshop Proceedings, NRTT Annual Workshop for Beginning Doctoral, Doctoral and Post-Doctoral Scholars, Centre for Studies in Social Sciences Calcutta, 4 to 10 November.

Paper Presentations

- "A Comparative Assessment of Water Quality of Vendor Water and Other Sources Using Water Quality Index: A Case Study from Kolkata" Presented at **International Conference** on 'Sustainable Water Resources Management under Changed Climate', **13-15 March 2020** organized by School of Water Resources Engineering, Jadavpur university in joint collaboration with Women's College Calcutta and National institute of Technology, Durgapur
- "Rural-Urban Differential in Water Supply Provisions of West Bengal: A District Level Analysis" Presented at XIV International Geographical Union (IGU)-India **International Conference** on "Agriculture, Food, Water, Biodiversity and Health in Changing Climate", **6-8 March 2020**, organized by Department of Geography, The University of Burdwan and International Geographical Union (IGU).
- " Informal Water Vendors of Kolkata: Life, Livelihood and the Question of Sustainability" Presented at **International Conference** on " Climate Change, Sustainability and Livelihood", **9-10 March 2019**, organized by Center for Environment and Economic Development (CEED), New Delhi and Nirmala College, Ranchi.
- "Urban Waterscapes of West Bengal: An Exploratory Study on Sources and Access to Water at District Level" Presented at **National Level Seminar** on "Environmental Change Human

Adaptation and Sustainability", **24 February 2018**, organized by the Department of Higher Education, Science and Technology, West Bengal and P.R.M.S Mahavidyalaya, Bankura, West Bengal.

- "Effectiveness of Urban Services in Shillong City: A Case Study of Laban Area" Presented at **National Level Seminar** On "Environmental Change Human Adaptation and Sustainability", **24 February 2018**, organized by the Department of Higher Education, Science and Technology, West Bengal and P.R.M.S Mahavidyalaya, Bankura, West Bengal.
- "Urban Amenities in Shillong Town: A Study on People's Perception", Presented at **X International Geographical Union Conference** on Urbanization, Health and Well Being and Sustainable Development Goals, **17-19 March 2017**, organized by the Department of Geography, Osmania University, Hyderabad
- "Quality of Water Supplied by Informal Water Vendors of Kolkata: A Comparative Analysis of Open Access Sources and Vendor Water", Presented at **X International Geographical Union Conference** on Urbanization, Health and Well Being and Sustainable Development Goals, **17-19 March 2017**, organized by the Department of Geography, Osmania University, Hyderabad.
- "Ganga Pollution in West Bengal: A Longstanding Concern" Presented at UGC sponsored **National Level Seminar** on Environmental Awareness: Demand of the Day, **9-10 September 2016** at The Bhawanipore Education Society College, Kolkata.
- "Status of Drinking Water Sources and Availability: A District Level Study of West Bengal (2001-2011)" Presented at **36th Indian Geography Congress: Urban Systems, Rural Livelihood Security and Resource Management**, **17-19 November 2014** at the Department of Geography, University of Rajasthan, Jaipur.

- “Climatic Influence on the Spatio-Temporal Distribution of Malaria in West Bengal”, Presented at – SERB and UGC sponsored **National Symposium** on Climate, Society and Sustainability, **25-26 April 2014** at the Department of Geography, University of Calcutta, Kolkata.
- “Differential Access to Water in Kolkata: Inequities in Distribution and Governance” Presented at – CSSSC-NRTT Annual Workshop for Beginning Doctoral, Doctoral and Post-Doctoral Scholars, **4 - 10 Nov 2009** at Centre for Studies in Social Sciences, Calcutta (CSSSC)
- “Industrial Water Use in India: A Case of Concern” Presented at - **International Seminar** on Poverty and Development in South Asia, **11th-13 Jan 2007** at The Department of Geography, University of Calcutta, in Collaboration with CSIR, NATMO, GSI, Survey of India, Geographical Society of India and University of North Bengal.
- “Partition and its Impact on Water Resources of Kolkata” Presented at - **National Seminar** on Applied Geography & Application of Remote Sensing &GIS, **4 - 6 Feb 2005** at The Department of Geography, University of Calcutta in collaboration with The Geographical Society of India and NATMO, Government of India.
- “Kolkata’s Water Supply: A Historical Perspective” Presented at - Student Stipendship Programme@ Sarai, **29 -30 August 2003**, at Center for the Study of Developing Societies, Delhi.
- “Kolkata Water: A Historical Perspective” Presented at – Fifth **International** Annual Symposia on Bengal Basin, **16 March 2003**, organized by International Institute of Bengal Basin in association with CIRCAP, Kolkata.

- “Arsenic Contamination of the Drinking Water Supply of South Calcutta” Presented at - Conference on Developments in Hydrology—the Current Status along with a Colloquium on Water Resources Management, **24 -25 October 2002**, at Oberoi Grand, Kolkata.
- “An Analytical Study of the Problems of Calcutta’s Water Supply” Presented at – **International Seminar** on Changing Environmental Scenario of India and Adjacent Countries since Independence, **29 Dec 2000 - 1 Jan 2001** at the Department of Geography, Calcutta University, in collaboration with Indian Institute of Geomorphologists (IIG)

Resource Person /Chair/Panelist

- Co-Chaired session on ‘Urbanization and Environmental Issues –III’ at XIV International Geographical Union (IGU)-India **International Conference** on “Agriculture, Food, Water, Biodiversity and Health in Changing Climate”, **6-8 March 2020**, organized by Department of Geography, The University of Burdwan and International Geographical Union (IGU).
- Panelist at Panel Discussion on **Role of Geographers in Disaster Management** on the **12th of August, 2022** at **Geo-Connect 2022** conclave organized by School of Basic and Applied Sciences, Adamas University.
- Judged **Role Play Competition 2022**, Alipore Subdivision, at Raipur Sree Sree Ramkrishna Amrita Vidyalaya on **14 September 2022**, organized by Office of the Sub-Inspector of Schools, Budge Budge South Circle, Government of West bengal

Other Academic Activities

- Member (subject expert) of the Interview Board for the posts of Trained Graduate Teacher and Post- Graduate Teacher (Geography) for Railway School by the Railway Recruitment Board, Kolkata April 2006.
- Member (Subject expert) to the Interview Board for the post of Trained Graduate Teacher (Geography) for Railway Schools by the Railway Recruitment Board, Kolkata on 26 July 2006.

- Member (Subject expert) to the Interview Board for the post of Post- Graduate Teacher (Geography) for Railway Schools by the Railway Recruitment Board, Kolkata on 27 July 2006.
- Faculty at Bose Academy for Career Advancement, Kolkata, for its IAS training program in the year 2005-06.
- Expert for the purpose of Paper setting/ Moderation/ Examination of answer scripts of Netaji Subhas Open University on November 2002.

Workshops, FDPs, Training Courses and Refresher Courses Participation

- 2023: Participated in One-Day Workshop on **Relevant Aspects of NAAC Accreditation**, organized by IQAC, Victoria Institution (College) on 27 February 2023
- 2022: Participated in National Workshop on **Reassessing NAAC Assessment and Accreditation Process**, organized by Indian Institute of Social reform and Research, on 2 July 2022
- 2022: Participated in One-Day **Academic Administrator's Meet** organized by HRDC, University of Burdwan and sponsored by UGC on 17 March 2022.
- **2020:** Participated in a Five-Day On-line Training Programme on **Data Analysis Using MS-Excel for Research in Social Science** organized by Department of Geography, Nagar College and Dumkal College, Murshidabad, from 17-21 August 2020.
- **2020:** Participated in a Five-Day On-line Faculty Development Programme on **Academic Enhancement Through Quality Research** organized by B.S. Anangpuria Educational Institutes, Faridabad, from 15-19 July 2020
- **2020:** Participated in a Webinar on **Intellectual Property Rights** organized by IQAC, Netaji Nagar Day College, Kolkata, on 14 July 2020

- **2020:** Participated in a Five-Day On-line Workshop on **Digital Content Creation on Social Media** organized by Bombay Teachers Training College and T S Engineering College, Mumbai, from 06-11 July 2020
- **2020:** Participated in a Two-Week On-line Faculty Development Programme on **ICT Tools for Technology Infused Learning V2.0** organized by Department of Electronic and Communication, Savitha Engineering College, Chennai, from 22 June to 04 July 2020
- **2020:** Participated in Webinar on **Environmental Impact Assessment with Special Reference to Water Resources Projects** organized by Department of Civil Engineering, FISAT and KSCSTE, on 22 June 2020
- **2020:** Participated in a Seven Day On-line Faculty Development Programme on **Institutional Benchmarking of Best Practices** hosted by Shree Mallikarjun and Shri Chetan Manju Desai College and nine other colleges from different states of India, from 8-14 June 2020
- **2020:** Participated in a Five-Day On-line Faculty Development Programme on **Online Tools of Teaching, Learning and Evaluation Organized** by JSS College of Education, Vijayapur and Rani Channamma University, Belagavi, Karnataka, from 9-13 June 2020
- **2020:** Participated in a One Day National Webinar on **Documentation and Data Validation (DVV) and Peer Team Visit (PTV) NAAC** organized by IQAC, Mahatma Phule Mahavidyalaya, Kingaon, Madhya Pradesh on 15 June 2020
- **2020:** Participated in a Five Day On-line National Workshop on **Academic Processes Measures and Matrices of TEI for NAAC-RAF** organized by IQAC, VOC College, Thoothkudi, Tamil Nadu, from 8-12 June 2020
- **2019:** Participated in a Two-Day workshop on **Implementation of CBCS in UG Studies in Geography (Semester 3 and 4)** organized by Department of Geography, Shri Shikshayatan College, Faculty Council for Undergraduate Studies and BOS, Geography, University of Calcutta on 26-27 April 2019.

- **2018:** Participated in workshop on the **Application of ICT and E-Learning Module in Teaching Learning System** organized by IQAC, Women's Christian College and CEED, from 13- 14 July, 2018.
- **2018:** Participated in workshop on **Survey Instruments (Abney Level, Clinometer and Theodolite)** organized by Department of Geography, Vivekananda College for Women, from on 9 June, 2018.
- **2018:** Participated in workshop on **Implementation of CBCS in UG Studies in Geography** organized by Department of Geography, Shri Shikshayatan College, Faculty Council for Undergraduate Studies and BOS, Geography, University of Calcutta on 8 May, 2018.
- **2017:** Participated in workshop on **Proposed Geography Syllabus (Hons. and Genl.) Under CBCS System and introduction of Open-Source Software**, organized Lady Brabourne College and BOS, Geography, University of Calcutta on 15 September, 2017.
- **2017:** Participated in **Seven Day Workshop on Statistical Methods and Techniques of Spatial Analysis**, organized Department of Geography Women's Christian College and Department of Geography, University of Calcutta, from 11- 17 July, 2017.
- **2016:** Participated in workshop on **Disaster Preparedness**, organized by Department of Civil Engineering, Jadavpur University, on 29 August, 2016, 2016
- **2015:** Participated in Dissemination workshop (International) on **IPCC Fifth Assessment Report (ARS)**, organized by Global Change Programme- Jadavpur University, Department of Environment, and Government of West Bengal and supported by CDKN and BOS, on 9 March, 2015.
- **2015:** Participated in workshop on **Review of the Undergraduate Syllabus in Geography** organized by Department of Geography, Shri Shikshayatan College, and BOS, Geography, University of Calcutta on 28 February, 2015.

- **2015:** Participated in workshop on **Revised Methodology of NAAC Assessment** organized by IQAC, Rani Birla Girls' College, on 12 May, 2015
- **2014:** Participated in workshop on **Modalities of Practical Examinations in Geography** organized by Department of Geography, Vivekananda College for Women and BOS, Geography, University of Calcutta, on 22 November, 2014.
- **2014:** Attended a Three Weeks **Refresher Course on Recent Applications of Water Resources Development & Management** organized by UGC- Academic Staff College of Jadavpur University and School of Water Resources Engineering, Jadavpur University during 25 August - 13 September, 2014.
- **2014:** Participated in workshop on **Quality Enhancement in Teaching** organized by IQAC, Rani Birla Girls' College, on 29 April, 2014.
- **2013:** Participated in workshop on **Remote Sensing and Aerial Photography** organized by Department of Geography, Loreto College, on 12 December, 2013.
- **2012:** Attended a Three Weeks **Refresher course on Earth Sciences** conducted by the UGC- Academic Staff College of the University of Calcutta at the Department of Geology, University of Calcutta from 19 November – 08 December, 2012
- **2012:** Participated in workshop on **Thematic Mapping with Soil Data** organized by Department of Geography, Vivekananda College for Women, on 27 September, 2012.
- **2010:** Participated in Training Programme on **Understanding and Resolving Water Conflicts** organized by Forum for Policy Dialogue on Water Conflicts in India, on 5 – 9 April, 2010, Ernakulum, Kochi.
- **2009:** Participated in **CSSSC-NRTT Annual Workshop for Beginning Doctoral, doctoral and Post-Doctoral Scholars** organized by Centre for Studies in Social Sciences, Calcutta (CSSSC), on 4 – 9 November, 2009.

- **2007:** Participated in Training course on **Management of Extreme Events** organized by Jadavpur University, Under Retraining of College Teacher under UGC Sponsored University with Potential for Excellence Scheme, on 5 January, 2007.
- **2005:** Participated in Training course on **How to Write Academic Projects** organized by Jadavpur University, Under Retraining of College Teacher under UGC Sponsored University with Potential for Excellence Scheme, on 25 November, 2005.
- **2005:** Participated in Two-day workshop on **Contemporary issues in Geography** organized by Department of Geography, University of Calcutta, The Geographical society of India, NATMO and ILEE, FROM 30 September to 1 October, 2005.
- **2005:** Participated in workshop on **New B.A./B.Sc. Part II Geography Honours Syllabus** organized by Department of Geography, Vivekananda College for Women, on 3 September, 2005.
- **2005:** Participated in Two-day workshop on **Globalisation, State Policies and Human Rights** organized by Mahanirban Calcutta Research Group, on 9-10 April, 2005.
- **2005:** Attended a Three Weeks **Refresher course on Geography** conducted by the UGC-Academic Staff College of the University of Calcutta at the Department of Geography, from 10 February to 02 March, 2005.
- **2004:** Participated in International Symposium on **Water: Crisis and Strategies** jointly organized by International Institute of Bengal Basin and Centre for Ground Water Studies, from 7 -8 February, 2004.
- **2002:** Participated in Two-day Research Group workshop on **Literacy and Primary Education in West Bengal** organized by Institute of Development Studies Kolkata, from 12 - 13 December, 2002.

Memberships and Association:

Member of All Bengal Principals' Council

Life member of Indian National Cartographic Association

Life Member of The Geographical Society of India

Life Member of Bengal Economic Association

Member of Presidency College Alumni Association

Past member of the Rotaract Club of South Calcutta (1998-99), served as club secretary

Computer Literacy

- Conversant in working with Microsoft Office, MS Word, MS Excel and MS Power Point.
- Certificate course in PC Application from NIIT in 1999
- Certificate course in GIS software Map Info Professional Version 6.5 from Micro solutions in 2003.
- Conversant with GIS software 21st Century Solutions and Q - GIS (Open-Source software)
- Conversant in Social Science Software Package SPSS.

Personal Details

- Date of Birth : 7th of August, 1974
- Nationality : Indian
- Mother Tongue : Bengali
- Languages Known : English, Bengali, Hindi