

Curriculum Vitae/ Faculty Profile

• **Name :** DR. DEBDIP BHATTACHARJEE

• **Designation:** Assistant Professor

• **Department:** Geography

• **Date of Joining:** 03/08/2020

• **Past Experiences:**

- Guest faculty in Department of Geography at *West Bengal State University* up to July 31st, 2020)
- State Aided College Teacher (SACT), *Grade I*, in Department of Geography, East Calcutta Girls' College, Lake Town, Kolkata -700089 (September 15th, 2009 to July 31st, 2020)
- Visiting faculty in Department of Geography at Khudiram Bose Central College from September 29th, 2018 to July 31st, 2020)
- Visiting faculty in Department of Geography at Barrackpore Rastraguru Surendranath College, Post Graduate Department, from February 21st, 2019 to July 31st, 2020)
- Guest faculty in Department of Geography at Mrinalini Datta Mahavidyapith (October 10th of 2009 to November 11th of 2010)



• **Nationality:** Indian

• **Address for Correspondence:**

Present cum permanent address: B-3, Gini apartment, New Circular road, Jalpaiguri, Pin:735101, Dist. Jalpaiguri

Permanent address: 81/1, Old Calcutta Road, Muktapukur, Barrackpore, P.O.- Talpukur, Kolkata- 700123, West Bengal, India

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• **Mobile No.:** 09804171250

ACADEMIC INFORMATION

• **Qualification Details:**

Examinations Passed	Institution/University	Year of Passing
M.A.	Chhatrapati Sahuji Maharaj University, Uttar Pradesh	2007

Ph.D.	West Bengal State University	w.e.f. 4.10.2018
NET	UGC	December, 2008
B.Ed.	University of Calcutta	2009

- **Subject(s) Specialization:** Urban Geography, Regional Planning, Remote Sensing and GIS

CAREER INFORMATION

- **Professional Development Programs (FIP, RC, Short Course, Workshop)**

Sl. No.	Title of the Professional Development Program	Venue	Date and Duration
1	UGC Sponsored Refresher Course on Sustainability of Earth: Challenges and Mitigation Strategies	HRDC, University of North Bengal	February 16, 2022 to March 02, 2022
2	Workshop on The issues related to the Undergraduate CBCS Geography Syllabus, NBU	UG Board of studies in Geography, NBU & Dept. of Geography and Applied Geography, NBU	September 23-24, 2022
2	3-Day Workshop for Enhancing Capacity of Higher Education Teachers	Centre for Internal Quality Assurance (CIQA), Netaji Subhas Open University	January 7 – 9, 2022
3	Workshop on Hands-on training in Geoinformatics using free and open source software, GPS and DGPS	East Calcutta Girls' College and Presidency University	28th March to 4th April, 2017
4	Workshop on GIS & Remote Sensing	Rastraguru Surendranath College, Barrackpore	12th & 13th March, 2010
5	Workshop and Hands on training in Open Source Software (QGIS)	East Calcutta Girls' College	January 17th & 18th, 2015

6	Workshop on Analysis of NSSO and CSO data	Ramakrishna Mission Vidyamandira , Belur	February 4 th , 2017
7	Workshop on CBCS Syllabus	West Bengal State University	March 5 th , 2017

ADMINISTRATIVE EXPERIENCES

- **Member of any other Statutory Bodies :**
Examination committee (Sukanta Mahavidyalaya), Academic Council (Sukanta Mahavidyalaya), **Joint Secretary** of Indian National Cartographic Association (Kolkata Chapter), Life member of ‘**Geographical Society of India, Kolkata**’, Life member of ‘**Indian National Cartographic Association(INCA)**’

ACHIEVEMENTS AND PUBLICATIONS

- **Research Field:** *Urban and Regional Planning*

Published Papers/Articles:

- *D. Bhattacharjee, Identification of disparities in the level of urbanization of 24 Parganas (N), West Bengal;* ILEE, VOL. 33 (1),JUNE,2010 [ISSN No. 0971-4170]
- *D. Bhattacharjee & S. Hazra, Towards an approach to find out the Human Development Index of North 24 Parganas at block level;* ILEE, VOL. 33 (2), December, 2010 [ISSN No. 0971-4170]
- *D. Bhattacharjee & S. Hazra, E-Governance for monitoring of water bodies in urban areas- A case study of Barasat Municipality, West Bengal;* Journal of the India National Cartographic Association (INCA), Volume 32, 2012 [ISSN No. 0972-8392] pp-138-143
- *D. Bhattacharjee, Optimum Index Factor (OIF) for Landsat data: A case study on Barasattown, West Bengal, India;* International Journal of Remote Sensing & Geoscience (IJRSG), Volume 2, Issue 5, Sept. 2013 [ISSN No. 2319- 3484] pp-11-16
- *D. Bhattacharjee & S. Hazra , Control of Flood through conservation of Flood water- A case study on a flood plain wetland, ‘Bil Balli’, Swarupnagar, North 24 Parganas, West Bengal;* Global Climate change & Its impact on Indian Sub- Continent - A special issue of Bhugilika by Bangiyo Bhugol Mancha, 2014 [ISSN No. 2319-6122] pp-86-96
- *D. Bhattacharjee & S. Hazra , Distribution of Land Surface Temperature over Built-up Area by Web-GIS Techniques;* Indian Journal of Spatial Science (IJSS), Volume 5, No.2 Winter Issue 2014 pp. 70-76 [EISSN No. 2349-4316 & ISSN:2249-3921] pp-70-76

- *D. Bhattacharjee & S. Hazra , Fractional Impervious Surface Detection of Urban Built-Up Area - A Case Study In Barasat Town, West Bengal, India;* Journal of the India National Cartographic Association (INCA), Volume 34, 2014 [ISSN No. 0972-8392]pp-1-8
- *D. Bhattacharjee & S. Hazra , ‘Disparities in Urban Facilities & Service Utility of Barasat Town, West Bengal, India’;* Journal of the India National Cartographic Association (INCA), Volume 35, 2015 [ISSN No. 0972-8392]pp-57-62
- *D. Bhattacharjee & S. Hazra , ‘Measuring slum severity index in Barasat town, West Bengal, India: A household based approach’* Journal of the India National Cartographic Association (INCA), Volume 36, 2016 [ISSN No. 0972-8392]pp-74-82
- *D. Bhattacharjee & J. Saradar, ‘An appraisal of sustainable pattern of Bidyadhari Basin- A dilemma’*

This paper was presented in UGC SPONSORED National Seminar on Resource Management and Sustainable Development, Department of Geography, East Calcutta Girls’ College; Sept. 23rd-24th, 2011.

- *D. Bhattacharjee & S. Hazra , ‘The Role of Urban Momentum in Transformation of North 24 Parganas district, West Bengal, India’ in Regional Science of India Journal,* [ISSN No. 0046-9017 (Print) and ISSN No. 2456-6519 (Online)], Special Volume, Indian Journal of Regional Science, August 2019, pp 106-118.
- *D. Bhattacharjee & S. Hazra , ‘Gurukul to Web based learning: The remarkable change in Indian Education System’, New Modalities of NAAC Assessment_ A way towards Human Resource Development, Edited Book, ISBN No. 978-81- 943327-1-8, by East Calcutta Girls’ College in 2020*
- *D. Bhattacharjee, N. Kar, R. Ghosh; ‘Post-Fani Cyclone Vulnerability Assessment of Puri town: A Remote Sensing and GIS Based Approach’ , Indian Cartographer, 2021*
- *D. Bhattacharjee, A. Panigrahi, R. Ray, S. Hazra; ‘Digital Elevation Model (dem) extraction from Google Earth: A study of acceptability’ , Indian Cartographer, 2021*
 - *P. Patra, D. Bhattacharjee, A. Saha, U. Mukhopadhyay, A. Pal ; ‘Prospects of Brackish water fisheries in tidally active Indian Sundarban’ (ISSN NO. 0972-3641), Special Issue, Stochastic Modeling & Application, UGC CARE GROUP 1 journal, Vol. 26, No. 3 2022, pp 136-151.*

Paper in press:

- *„Gentrification: Transforming Indian Cities“- in an Edited Book, Population of India-2030, A Human Resource Perspective.*
 - *„Application of Mobile Apps to monitor the real time city environment: A case study of Kolkata, West Bengal, India”, An edited book by Serampur Girls’ College*
 - *“Assessment of water quality and pollution risk of Nowai river in West Bengal”, An edited book by Serampur Girls’ College*
 - *„Vulnerable Surface Water Quality at the Urban Fringe of Kolkata Metropolitan Development Authority (KMDA) India” in an edited volume of the book by Springer titled Tropical Environmental Research in Indian Subcontinent: A paradigm shift in 21st Century.*
- **Published Textbooks, Edited Books, and Book Chapters in Edited Volumes:**

Sl. No.	Title of the Chapter	Title of the Book/ Edited Book	Publishers
1	Whole Book	<i>Bhugathan Procrieya o Udbhuto Bhumirup</i>	<i>West Bengal State Book Board in 2021, ISBN No. 978-81-951559-3-4</i>

• **Participation in Seminars/ Conferences (State/ National/ International):**

Sl. No.	Name of Seminar/ Conference	Level of Seminar	Attended as Participant only/ Paper Presented	Name of the Paper/ Lecture Topic
1	Workshop	State Level	Participated	
2	Resource Management and Sustainable Development	UGC sponsored National Seminar	Presented	An Appraisal of Sustainable Pattern of Bidyadhari Basin (East Calcutta Girls' College in 2011)
3	Biodiversity-Crisis, Conservation & Management	UGC sponsored National Seminar	Participated	(East Calcutta Girls' College in 2011)
4	SIXTH BIENNIAL INTERNATIONAL CONFERENCE INDIAN ASSOCIATION FOR PACIFIC STUDIES (IAPS) hosted by Department of South & South East Asian studies	INTERNATIONAL CONFERENCE	Presented	<i>Paradox of Urban development – A case study of Barasat Municipality, West Bengal</i> (Department of South & South East Asian studies, University of Calcutta; December 17-19th, 2012)

5	Cartography for Sustainable Earth Resource Management	XXXII INCA International Congress	Attended & Authored a Paper	Indian National Cartographic Association and National Hydrographic Office, Dehradun 2012
6	Changing Environmental Scenario of Indian Subcontinent: A Geographical Appraisal	UGC Sponsored National Seminar	Participated	Rastraguru Surendranath College, 2011
7	Digital Mapping	XXXIV INCA INTERNATIONAL CONGRESS	Presented	<i>Fractional Impervious Surface Detection of Urban Built-Up Area - A Case Study In Barasat Town, West Bengal, India , Indian National Cartographic Association 2014</i>
8	Global Climate Change and its impact on Indian Sub-Continent	State Level, Bangiyo Bhugol Mancha	Presented	Control of flood through conservation of flood water- A case study of Flood plain Wetland 2014
9	Development and Environment	National Conference	Presented	Detection of Discomfort zones in Urban Areas with the Application of Remote Sensing Techniques , West Bengal State University 2016

10	12th World Congress of RSAI on Spatial Systems: Social Integration, Regional Development and Sustainability	International Conference	Presented	The Role of Urban Momentum in Urban Transformation of North 24 Parganas district, West Bengal, India, Regional Science Association International (RSAI), Goa, India 2018
11	23rd West Bengal State Science & Technology Congress 2016 on Geology and Environmental Science	State Level Conference	Presented	Spatial and Temporal changes of Land surface temperature and Detection of Environmental Criticality in Barasat Town, West Bengal, India , Presidency University, 2016
12	UGC Sponsored National Seminar on Contemporary Research in Geography	National Seminar	Presented	Application of Remote Sensing Techniques for Monitoring Urban Environment, Bhairab Ganguly College 2016
13	38th INCA International Congress on Emerging Technologies in Cartography	International Conference	Presented	Monitoring the Real Time City: The future of Mobile Technologies, ISRO, 2018

14	36th INCA International Congress on Cartography for Analysis and Management of Climate Change	International Conference	Presented	Measuring Slum Severity Index in Barasat Town, West Bengal, India: A house hold based approach Visva Bharati University, 2016
15	Quality enhancement through Academic Audit & e-management of finance	Two Days State Level Seminar	Participated	IQAC, East Calcutta Girls' College, 2018
16	UGC Sponsored National Seminar on Environment, Resources & Development	Two Days National Seminar	Presented	Change Detection of Urban Growth using Remote Sensing data: A case study of Barasat Town (1990-2011) In Lalbaba College, Belur On March 4th-5th, 2013
17	Academic Audit & Swayam	One – day State level Seminar	Participated	Central Library & Internal quality Assurance cell On 2nd March, 2019, East Calcutta Girls' College & Jadavpur University
18	Culture, Thought and Religion: Edges and Exchanges	One day International Seminar	Participated	East Calcutta Girls' College & IQAC, January 28th, 2019

19	XXXV INCA International Congress on Spatial Governance for Development, Planning Smart Cities and Disaster Management	International Conference	Presented	Disparities in Urban Facilities and Services Utility of Barasat Town, West Bengal, India
20	Symposium on Living under threat: Mangroves of the Sundarbans- Search for coping mechanisms through an innovative interdisciplinary approach	State level Symposium	Participated	Dept. of Geography, Prasanta Chandra Mahalanobis Mahavidyalaya, Kol. 18 on January 11th, 2019
21	NAAC Sponsored National level seminar on New Modalities of NAAC Assessment- A way towards Human Resource Development	National Seminar	Participated	IQAC, East Calcutta Girls' College, January 22, 2020
22	World Thinkers' and Writers' Peace Meet on Planetary Crisis and Human Liberation	International Conference	Presented and conducted as organizing secretary	International Society for Intercultural Studies and Research (ISIAR) on 27th to 31st December 2019
23	39th INCA International Congress on New Age Cartography and Geospatial Technology in Digital India	International Conference	Presented	DEM extraction from Google Earth-A study of acceptability on 18th – 20th December, 2019

- **Participation as Resource Person/ Guest Speaker:**

- Conducted INCA National Map quiz as Joint Secretary of East Zone, India of Indian National Cartographic Association in 2022.
- Organised a Poster competition cum exhibition to celebrate World Environment Day on 7th June by the Department of Geography in collaboration with IQAC of Sukanta Mahavidyalaya, Dhuguri as Joint Convener of the programme.
- Organised Webinar on Climate change impacts on water resources on 16th of May 2021 in Department of Geography, Sukanta Mahavidyalaya as Joint Convener.
- Organised international seminar and acted as Organising secretary on Peace Meet, 2020 in East Calcutta Girls' College, Lake Town, Kolkata -89, West Bengal
- Delivered special lecture in Dhuguri Girls' College in 2021.
- Delivered special lecture on "Search Engines for Students and Researchers of Earth Science: Significance of Online Resources" on 8th June 2021 (Tuesday) at the Online Departmental Special Lecture Series, organized by the Department of Geography, East Calcutta Girls' College.
- Delivered special lecture on mapping techniques and digital cartography in East Calcutta Girls' College, in 2020
- Delivered lecture as Resource Person on Cartography and conducted training on toposheet reading to school students regarding INCA map quiz, 2019 in on August 13th August, 2019 in Prabhu Jagat Bandhu College, Howrah
- Delivered special lecture and conducted hands on training on use of Mobile apps and QGIS software in East Calcutta Girls' College on 15th and 16th April, 2019
- Delivered special lecture and conducted hands on training on Remote Sensing and GIS techniques for environmental mapping on 22nd January, 2019 at Rishi Bankim Chandra College for Women
 - Supervised summer internship project of M. Tech student of Geo-Informatics and Remote Sensing of Amity Institute of Geo-Informatics and Remote Sensing (AIGIRS), Amity University AUUP Noida, Uttar Pradesh (15th May to 30th June, 2018)
- Conducted hands on training and delivered lecture on Geoinformatics using free and open source software, GPS, DGPS and Total Station in East Calcutta Girls' College from 28th to 4th April, 2017