

Name: Dr. Alpana Ray

Department: Geography

Designation: Assistant Professor (STAGE III)

Qualification: M.Sc, Ph.D

Email-id: alpana.ray10@gmail.com

II. Area of Specialization:

Cartography, Urban Geography, Social, Economic Geography and Environmental issues related to Geography,

III. Area of Teaching Expertise:

- Urban, Social Geography, Economic Geography, Regional Geography, Climatology, Environmental Geography, Contemporary Issues in Geography
- Cartography.

IV. Academic Records

- **July 2005:** Completed PhD at University of Calcutta. The topic of investigation: "Geomorphology of Kolkata Municipal Corporation (KMC): Its impact on Urban Functions. "
- **December 1999:** Qualified in the States Level Eligibility Test for Lectureship in Universities and College.
- **August 1998:** Completed Masters of Science (M.Sc) in Geography from University of Kolkata.
- **April 1996:** Completed Bachelor of Science (Honours) in Geography from Lady Brabourne College, University of Calcutta.
- **June 1993:** Passed Higher Secondary Examination conducted by West Bengal Council of Higher Secondary Education.
- **June 1991:** Passed Higher Secondary Examination conducted by West Bengal Council of Higher Secondary Education.

IV. Publications:(2014-2020)

1. Ray, A. (2014) The Impact of Vehicular Explosion on Annual Mean Temperature in Urban Environment-A Case Study of Kolkata, *IOSR Journal of Humanities and Social science, Vol 19 (3)*, 1-10.
2. Ray,A. (2016) The Impact of Vehicular Explosion on the Annual Mean Temperature of the Urban Environment - a case study of Delhi", *Indian Journal of Spatial Science, VII (2)*, 30-37 (UGC Enlisted)
3. Ray, S. & Ray, A. (2016), Development of sustainable tourism in Bakkhali- issues and Concerns, proceedings of UGC Sponsored National Seminar on Environment and Sustainability- A Geographical Perspective, J. B. Books and Learning Publisher, 248-257.
4. Ray, A., (2016) *Sustainable Development of Ground Water Resource and Management- A case Study in Kolkata Municipal Cororation (K.M.C)*, Environment and Sustainability, J. B. Books and Learning Publisher, 206-215
5. Ray, S. & Ray, A. (2018) Environmental Degradation Due to Jeans Factories at Chatta Kalikapur Area in Thakurpukur-Maheshtala Block of South 24 Paraganas,West Bengal. *International Journal of Scientific Research and Reviews, IJSRR 2018, 7(3)*, 719-733 (UGC Enlisted Before 1.06.2019)
6. Ray, A. (2019) Micro level problems and management of agricultural activities Jagadishnagar village, Magrahat Block-1, South 24 Parganas, West Bengal, India, *International Journal of Experimental Research and Review (IJERR)*, Vol. 19: ISSN: 2455-4855
7. Ray, A. (2019), A comprehensive study of Ground Water Resource and its Management in Kolkata Municipal Corporation, West Bengal, India, *Indian Journal of Spatial Science*, EISSN: 2249 - 4316 Autumn 8 – 13 (UGC Enlisted Before 1.06.2019).
8. Ray, A. (2019), Sunderban Paniyo Joler Soraborahor Prakritik Prethiyto o Goththigoto Uddyoger Bhumika, Bhugol o Swadesh chorchha, ISSN 2581-4788 (UGC CARE ENLISTED)
9. Ray, A. & Ray, S. (2019), Environmental Problems due to Joka- B.B.D. Bag MetroRailway Project Along Behala -Taratala Route in the City of Kolkata, West Bengal. *Ind. J. of*

Landscape Systems and Ecological Studies 42 (2), 16- 29, ISSN 0971-4170. (UGC Enlisted Before 1.06.2019).

10. Ray, A., Ray, S. & P.R (2020) Impacts of Urbanization on Land-Use and Land-Cover Change in Baranagar Municipality of 24 Parganas North of West Bengal Using Geospatial Techniques, Paper Accepted in Journal Geographical society Of The North Eastern Hill Region -INDIA, ISSN: 09705023 (UGC CARE ENLISTED).

V. Papers presented in Conferences, Seminars, Workshops- 2014-2020

Sl no.	Title of the paper presented	Title of Conference/ Seminar	Organized by	Whether International/ National/State/ Regional/College or University level
2	The Impact of Vehicular Explosion of Annual Mean Temperature in Urban Environment: A case study of Kolkata	Contemporary Research in Geography	BhairabGanguly College	National Seminar , March 2014
3	A change in Annual Mean Temperature in Urban Environment- A case study in Delhi and Kolkata	Environmental Perspective and Resource Management	Institute of Landscape, Ecology and Ekistics, Kolkata	International Seminar, December 2014
4	Agricultural productivity, its problems and management of magrahat-block-1, jagadishnagar village, south 24 parganas,	Socio economic impact of Cottage & Small Scale Industries in West Bengal with special reference to South 24 Parganas District	Raidighi College South 24 Parganas	National Seminar 11th and 12th September, 2015
5.	The Impact of Vehicular explosion in Changing Annual Mean Temperature in the Urban Environment: A case study in Kolkata	Urbanization and Regional Sustainability,	Dept. Of Geography- Calcutta University	International level 28 th January to 30 th January,2016
6.	The Impact of Vehicular Explosion in Changing Annual Mean Temperature in the Urban Environment: A case study in Delhi	National conference on Development and Environment,National level conference	Department Of Geography, WBSU	National Seminar 17 th & 18 th March,2016
7.	Agricultural Landuse and its Productivity,	National seminar on Land Use Planning	Institute of Landscape, Ecology and Ekistics, Kolkata	National seminar

	Problems & Management of Mograhat block-1 Jagadishnagar Village, south 24 parganas.	and Management		28 th -29 th September,2016.
8.	Water Pollution In Jeans Factories at Chatta Kalikapur Area in Thakurpukur : Maheshtala Block of South 24 Parganas, West Bengal.	Society and Sustainability: An Interdisciplinary Approach	The Dept. of Geography of Vivekananda College, Kolkata & The Eastern Geographical society, Bhubaneswar, Odisha	International Conference, January12&13, 2019.
9.	Problems and Issues due to Construction of Joka- B.B. D. Bag Metro Extension, Kolkata, West Bengal.	Environment, Development and Livelihood	The Dept. of Geography< South Calcutta College, Kolkata, & CEED, New Delhi.	International Conference, February 22&23, 2019
10.	Ground Water Scenario Of Kolkata Municipal Corporation, West Bengal, India	Planetary Crisis and Human Liberation	International Society for Intellectual Studies and Research (ISISAR)	International Conference, 27 th - 31 st December,2019.
11,	Impact of Urbanization on Employment and Social interactions of Local communities:	Global environmental Challenges: Environment, Society and Development in the Anthropocene,	ICSSR, ERC India & Women Christian College.	International Conference, 6-7 th - March,2020.

VII. Awards

- Awarded Government of India National Merit Scholarship from 1986 to 1998 for academic excellence in West Bengal Board of Secondary and Higher Secondary and University Examinations.
- Received prizes and Scrolls of Honour from the University of Calcutta for standing First Class first in Geography, both B.Sc. and M.Sc Examination.
- Received prizes and merit certificates from Lady Brabourne College for standing First Class First in Geography Honours with First Class distinction Marks in B.Sc. Examination

VIII Professional Membership:

- Geographical Society of India , Calcutta University, Geography Department
- Institute Of Landscape, Ecology and Ekistics(ILLEE)

IX. Research Projects

- **Completed UGC Sponsored Minor research Project in “The Role of Vehicular Explosion in Changing Climate- Comparative study between Kolkata and Delhi”, 2010-2012.**

X. Professional Experiences

- Worked as a Full time UGC Substantial Post in Geography as an Assistant professor in Prasanta Chandra Mahalanobis Mahavidyalaya, Baranagar, Kolkata since July 1st, 2008.
- Worked as Resource Person in Diamond Harbor University for Post Graduate Courses during August 2016 to February 2017.
- Worked as a Visiting faculty in Post Graduate Department of Vivekanada College for Women, Barisha, under Calcutta University during September 8th September to 30th March 2011.
- Worked as a Part time lecturer in Geography at Vivekanada College for Women, Barisha during February 2007 to June 2008.
- Worked as a Part time lecturer in Geography at Surendranarh College, Sealdah, Kolkata during October 1998 to July 1999.
- Worked as a Guest Lecturer in IIP College, under University of Madras, Southern Avenue, Kolkata 7000029.