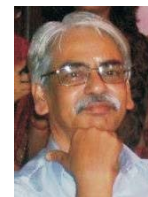


BIO-SKETCH / CURRICULUM VITAE

Prof. Ashis Sarkar, M.Sc, Ph.D., W.B.S.E.S.



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Research Areas:

1. Geomorphology
2. Rural / Urban Geography and Environmental Issues
3. Landuse and Resource Management
4. Development Issues

Professional Interests:

1. Fluvial Geomorphology
2. Geostatistics & Quantitative Geography
3. Cartography & Geoinformatics
4. Geographical / Development Issues

Employments:

June 1996 Presidency University (since 2010);
Presidency College, Kolkata, India
(University of Calcutta) as Professor
and Head, Department of Geography
(UG + PG) in the **West Bengal Senior
Education Service**.

June 1991 Haldia Govt. College, Haldia, West Bengal,
India (Vidyasagar University) as
Assistant Professor / Reader,
Department of Geography in the **West
Bengal Education Service**.

January 1986 Presidency College, Kolkata, India
(University of Calcutta) as Lecturer /
Assistant Professor, Department of
Geography in the **West Bengal
Education Service**.

April 1982 Chandannagar Govt. College, P.O. -
Chandannagar, Dist - Hooghly, West
Bengal, India (University of Burdwan) as
Lecturer, Department of Geography, in the
West Bengal Education Service.

June 1980 District Collectorate, Krishnanagar,
Nadia, West Bengal, India as Dy
Magistrate & Dy Collector in **West
Bengal Civil Service (Executive)**.

Education:

1. Doctor of Philosophy in Geography (Urban
Geography).
Ph.D. (Sc) : June 1991, University of Calcutta.
Title of Thesis: **Evolution of Size and Spacing of
Urban Settlements of West Bengal, 1901 - 1981**.
2. M.Sc in Geography, 1978 (Presidency College,
University of Calcutta) with **Cartography** as Special
Paper (**University of Calcutta: First Class First =
Topper/Rank 1**).
3. Title of Dissertation: **An Efficiency Classification
of Some Selected Map Projections for India**.
4. B.Sc with Geography (Hons.), 1976 (Presidency
College, University of Calcutta) with **Cartography
and Industrial Geography** as Special Papers
(**University of Calcutta : First Class First = Topper/
Rank 1**).

Awards:

1. Presidency College Prize, **1975**.
2. Subrata Sengupta Medal, **1976**: University of
Calcutta.
3. Jubilee Post-Graduate Merit Prize, **1976**:
University of Calcutta.
4. National Scholar, **1976 - 1980**.
5. Gold Medal, **1978**: University of Calcutta.
6. West Bengal Govt. State Scholarship, **1984**
(*declined*).

Research & Publications:

1. Dissertation = 33
2. M.Phil = 02
3. Ph.D = 03 + 04
4. Ph.D Thesis (Examined) = 06 (*written*) + 02 (*oral*)
5. Major Research Projects = 02
6. Minor Research Projects = 02
7. Research Articles = 40 (01) + 02 (*in press*)
8. Research Papers = 63 (18) + 02 (*in press*)

9. Books :
Published = 09
In Press = 01
In manuscript stage = 02
10. Paper Presented :
International Seminar = 12
National Seminar = 39
Other / Local Seminar = 28
11. Attended Seminar:
International = 01
National = 07
12. Resource Person in Seminar, etc = 10

Research Papers:

1. Geomorphic Regions - a hypothesis, *Landscape Systems*, 1979, 2 (1 & 2), pp. 41- 42, ISSN 0971-4170
2. On the Fluctuation of Water Table Surface in the District of Nadia, West Bengal, *Research Bulletin*, 1981, No. 1, CAAGR, pp. 38-44
3. Some Selected Map Projections for India their relative efficiencies, *Geographical Review of India*, 1981, 43 (2), pp. 182-195 (with Phani Bhusan Roy), ISSN 0375-6386
4. Some Considerations in Theoretical Fluviology, *Geographical Review of India*, 1984, 46 (2), pp. 82-85, ISSN 0375-6386
5. Some Deductions in Theoretical Fluviology, in *Sen P (ed. 1985): Concepts and Methods in Geography*, Institute of Geography, Burdwan University, pp. 150-154
6. Rank Size Distribution of Urban Settlements in West Bengal, *Geographical Review of India*, 1987, 49 (4), pp. 1-12, ISSN 0375-6386
7. Growth of Size Class Distribution of Urban Settlements in West Bengal, *Geographical Review of India*, 1988, 50 (1), pp. 39-46, ISSN 0375-6386
8. A Study of Urban Growth in West Bengal during the period, 1901-1981, *Geographical Review of India*, 1989, 51 (4), pp. 65-74, ISSN 0375-6386
9. Pattern of Inter Class Mobility of Urban Settlements in West Bengal, 1901-1981, *Indian Journal of Landscape Systems and Ecological Studies*, 1990, 13 (1), pp. 134-138, ISSN 0971-4170
10. Growth of Urbanization in West Bengal - a purview, *Sutanuty Gazette*, 1990, 8 (8), pp. 3-20
11. Tendency of the Urban Settlement Patterns in West Bengal, 1901-1981, *Indian Journal of Landscape Systems and Ecological Studies*, 1991, 14 (2), pp. 50-55, ISSN 0971-4170
12. An Entropy Model for the Evolution of Spatial Urban System of West Bengal, 1901-1981, *Geographical Review of India*, 1992, 54 (1), pp. 65-71, ISSN 0375-6386
13. Trend Surface Analysis of Urbanization in West Bengal, *Indian Journal of Landscape Systems and Ecological Studies*, 1993, 16 (1), pp. 81-86, ISSN 0971-4170
14. Size and Spacing of Urban Settlements in West Bengal, 1901-1981, *Indian Journal of Landscape Systems and Ecological Studies*, 1994, 17 (2), pp. 53-61, ISSN 0971-4170
15. 2nd Order TDCN Configuration - an alternative approach, *Indian journal of Earth Science*, 1994, 21 (4), pp. 226-235
16. Morphometric Identity of TDCN Basins - a case study of Lodham Khola basin, Darjeeling Himalayas, *Indian Journal of Geology*, 1995, 67 (2), pp. 142-150
17. The Rupnarayan river - a study in channel patterns, *Indian Journal of Power and River Valley Projects*, July August Issue, 1995, pp. 100-105
18. Urban Growth and Urban System Development in West Bengal, *Geographical Review of India*, 1995, 57 (1), pp. 56-68, ISSN 0375-6386
19. A Multivariate Analysis of Urbanisation of West Bengal, 1901-1981, in *Tripathi R S and S B Singh (ed. 1996): Social and Economic Development in India*, 1996, Ashis Publishing House, New Delhi, pp. 403-411. ISBN 81-7024-693-8
20. Spatial Pattern of Urban Growth in West Bengal during the 20th Century - an analysis, in *Hazra J (ed. 1997): Dimensions of Human Geography*, 1997, Rawat Publishers, New Delh. ISBN 81-7033-398-3
21. Identification of the 2nd Order TDCN Basin Properties of Lodham Khola in Darjeeling Himalayas, *Indian Journal of Earth Science*, 1997, 24 (1 & 2), pp. 47-54
22. Orientation of the 011 TICNs in Lodham Khola Basin, Eastern Himalayas, *Journal of the Indian Geographical Foundation*, Winter Issue, 1997, Vol 4 & 5, pp. 119-133, ISSN 09753850
23. R mode Factor Analysis of the 2nd Order TDCN Basin Properties - a case study of the Lodham Khola Basin, Eastern Himalayas, *Indian Journal of Geography and Environment*, 1997, Vol 2, pp. 36-47
24. Urban Growth in West Bengal - a study in size dynamics of towns, in *Pathak C R (ed: 1998): Essays in Regional Science regional development planning*, Vol II, Silver Jubilee Volume, 1998, Regional Science Association, pp. 88-100
25. Management of Water Resource System in North 24 Parganas District, West Bengal, *Indian Journal of Landscape Systems and Ecological Studies*, 1998, 21 (1), pp. 149-161 (with Narayan Chandra Ghosh), ISSN 0971-4170
26. Downstream Effects of Dams / Barrages on Channel Morphology a study in environmental fluviology, in *Chauhan S N and M K Gupta (ed: 1998): Environment - some basic issues*, 1998, Jaishree Prakashani, Muzzafarnagar, UP
27. Human Resource Development - a multivariate analysis, in the Seminar Volume: *Changing Pattern of Environment*, March 6-7, 1999, B.G. College, Calcutta, pp. 7-12
28. Landuse Pattern - an exploratory analysis, in the Seminar Volume: *Changing Pattern of Environment*, February 5, 2000, B.G. College, Calcutta.
29. Agricultural Land Resources of Hooghly District, West Bengal - a multivariate analysis, *Indian Journal of Regional Science*, 2000, 32 (1), pp. 70-86 (with Sandip Das), ISSN 0046-9017
30. Save Our Earth - an ecosaga of humans, *Asian Studies*, 19 (1), January June Issue: 2001, pp. 32-41
31. Digital Image Analysis - Application and Fourier Filtering, *Indian Journal of Landscape Systems and Ecological Studies*, 2002, 25 (2), pp. 10-19 (with Subhojit Ghosal), ISSN 0971-4170
32. Dynamics and Environmental Impacts of Channel Planforms - a study of Bhagirathi and Jalangi rivers, *I n d i a n Journal of Geography & Environment*, Vol 7, pp. 38-49
33. Landscape Differentials of Hooghly District - a spatial analysis, *Indian Journal of Regional Science*, 2003, 35 (1), pp. 12-31
34. Environmental Impacts of Bank Erosion, in *Desai M (ed: 2004): The Dying Earth*, Netaji Institute of Asian Studies, 2004, Kolkata, pp. 221-247, ISBN 81-87500-21-2

35. River Bank Erosion geomorphology and environment, in Singh S, H. S. Sharma and S. De (ed: 2004): *Geomorphology and Environment*, Prof. S.R.Basu Felicitation Volume, ACB Publications, 2004, Kolkata, pp. 133 - 154. ISBN 81-86539-78-6
36. Maternal and Child Health Scenario - a case study of Bangur Hospital, *Indian Journal of Landscape Systems and Ecological Studies*, 2004, 27 (1), pp. 109 - 119 (with Tilottama Ghosh'), ISSN 0971-4170
37. Old Age Homes of Kolkata, *Autumn Annual*, Vol 33, Presidency College Alumni Association, 2004 - 2005, pp. 135 -146, (with Tilottama Ghosh')
38. Natural Disaster and its Management - the geographical issues, in Banerjee, A, et al (ed: 2005): *Combating Disaster perspectives in the new millennium*, ACB Pub, 2005, Kolkata, pp. 298 - 303. ISBN 81-87500-29-8
39. Statistical Analysis of Drainage Networks - a study in the BMB - CGC Complex, *Indian Journal of Landscape Systems and Ecological Studies*, June 2007, 30 (1), pp. 5 - 16, ISSN 0971-4170
40. Save Our Earth - an ecosaga of humans, in Desai, M and M. K. Raha (ed.): *Environmental Conservation: Management and Development*, ACB Publications and NIAS, Kolkata, 2008, ISBN 81-87500-43-3, pp. 19 - 30
41. Patterns and Parameters of Literacy Rates - a case study of India and West Bengal, *Indian Journal of Landscape Systems and Ecological Studies*, ISSN 0971 4170, June 2008, 31 (1), pp. 35-42 (with Mitali Mondal')
42. Hypsometric analysis of the Dulung N. basin and its sub-basins, *Geographical Review of India*, December 2008, 36 (4), pp. 409 - 422 (with Priyank Pravin Patel'), ISSN 0375 - 6386.
43. Geomorphological Analysis of the Stream Networks generated from SRTM DEM and Topographical Maps, Paper No. 3. 3.105, Proceedings of the National Symposium on 'Advances in Remote Sensing Technology and Applications with Special Emphasis on Microwave Remote Sensing' organized by the IIRS at the Nirma University, Ahmedabad, December 18 - 20, 2008 (with Priyank Pravin Patel')
44. Mapping the Landuse / Land cover of a Geographical Space by Digital Image Processing of Satellite Data, *Indian Journal of Landscape Systems and Ecological Studies*, June 2009, 32 (1), pp. 1- 8, ISSN 0971 - 4170.
45. Rural Industrialisation in West Bengal - a boon or a bane, *Practising Geographer*, Summer 2009, Vol 13, No. 1, pp. 77- 88, Indian Geographical Foundation, Kolkata (with Mun Mun Nandy'), ISSN 0975- 3850
46. Analyzing Impact of Land Cover Changes in Kolkata on corresponding Land Surface Temperature from Landsat Thermal Imagery, *Proceeds. ISRS National Symposium on 'Advances in Geo-spatial Technology with special emphasis on Sustainable Rainfed Agriculture'*, Environmental Modelling, P166, pp. 1 -17, September 17 - 19, 2009, Nagpur (with Priyank Pravin Patel')
47. Drainage Analysis of the Dulung basin, in H. S. Sharma and V. S. Kale (ed. 2009): *Geomorphology in India*, Prayag Pustak Bhawan, Allahabad, pp. 133 - 154, (with Priyank Pravin Patel'), ISBN 81-87500-19-0
48. Application of SRTM Data in evaluating the Morphometric Attributes - a case study of the Dulung river basin, *Practising Geographer*, Winter 2009, Vol 13, No. 2, pp. 249 - 265, Indian Geographical Foundation, Kolkata (with Priyank Pravin Patel'), ISSN 0975 -3850
49. A Geographical Appraisal of Health and Sanitation Development in Nandigram, West Bengal, *Practising Geographer*, Winter 2009, Vol 13, No. 2, pp. 289 - 311, Indian Geographical Foundation, Kolkata (with Samares De'), ISSN 0975 - 3850
50. Analysis of Human Settlement Patterns using RS and GIS in the Plains of West Bengal, *eTraverse, Indian Journal of Spatial Science*, ISSN 2249 - 3921, Vol-1, No. 1, pp. 1-22, 2010 (On-line Version: <http://www.etravers.net> eISSN No. 2249-4316 Vol-1, No. 1, Article- 1), Geographical Institute, Kolkata
51. Terrain Characterization using SRTM Data, *Journal of the Indian Society of Remote Sensing*, 38 (1), March 2010, pp. 11-24 (with Priyank Pravin Patel')
52. Townsize Distribution in India - an exploratory analysis, *Indian Journal of Landscape Systems and Ecological Studies*, June 2010, 33 (1), pp. 53 - 64 (with Mun Mun Nandy')
53. Landscape Analysis using Multidated Data Layers from Topographical Map and Satellite Images, *eTraverse, Indian Journal of Spatial Science*, ISSN 2249 3921, Vol-1, No. 2, pp. 1 - 37, 2010 (On-line Version: <http://www.etravers.net> eISSN 2249 - 4316 Vol-1, No. 2, Article-1), Geographical Institute, Kolkata (with Priyanka Banerjee')
54. Nature and Management of Water Resources, in the Book Volume "Round the Globe" ed. by Bangiyo Bhugol Mancha, January 2011, pp. 11-22, The Earth, Kolkata
55. Topographic Analysis of the Dulung R. Basin, *eTraverse, The Indian Journal of Spatial Science*, ISSN 2249-3921, Vol 2, No. 1, pp 13 - 31, 2011 (On-line Version: <http://www.etravers.net> eISSN 2249-4316, Vol-2, No. 1, Article- 2), Geographical Institute, Kolkata (with Priyank Pravin Patel')
56. Urbanization and City Size Distribution of West Bengal, India 1901 - 2001, *Journal of Regional Science*, ISSN 0046 9017, Kolkata, 2011, 43 (1), pp. 9 - 16
57. Urbanization and Urban Sprawl a case study of Barasat Municipality, *Practising Geographer*, ISSN 0975 3850, Indian Geographical Foundation, Kolkata (with Debasmita Biswas'), Winter 2011, Vol-15, No. 2, pp. 284 -297.
58. Pattern and Trend in Population Ageing in India, *eTraverse, The Indian Journal of Spatial Science*, ISSN 2249-3921, Vol-2, No. 2, pp. 65-75, 2011 (On-line Version: <http://www.etravers.net> eISSN 2249-4316 Vol-2, No. 2, Article - 4), Kolkata (with Suvalaxmi Chakrabarti')
59. Discrimination of Drainage Basins on the Basis of Composition, Orientation and Morphometric Characteristics A Case Study of Bihar Mica Belt and Chhotanagpur Gneissic Belt Complex, India, in Bandyopadhyay, S, et al (ed.): *Landform, Processes and Environment Management*. Pp156 - 171, ACB Publications, Kolkata: ISBN 81 87500-58-1
60. Disaster Management with Special Reference to Flood in West Bengal issues, policy and plan framework, in Desai M and Halder S (ed): *Coping with Disasters: Mitigation Strategy, Preventive Action and Recovery*, Abhijeet Publications, NewDelhi, 2012, pp86 - 105, ISBN 978-93-80031-70-6.
61. Terrain Classification of the Dulung Drainage Basin,

- eTraverse, *The On-line Indian Journal of Spatial Science*, <http://www.etravers.net> eISSN 2249-4316 Vol 3, No. 1, Article - 6, pp. 1 - 8), 2012, Geographical Institute, Kolkata (with Priyank Pravin Patel).
62. Workplace Culture & Status of Women Construction Labourers: a case study in Kolkata, West Bengal, *Indian Journal of Spatial Science*, <http://www.indiansss.org>, eISSN 2249-4316 Vol - 3, No. 2, Article - 6, pp. 41 - 48), 2012, Indian Society of Spatial Science, Kolkata (with Anu Rai).
 63. A Tale of Two Villages of West Bengal, in *Chattopadhyay, A (ed.): Poverty and Social Exclusion in India - issues and challenges*, Rawat Publications, New Delhi, 2013, pp. 234 - 249. ISBN 978-81-31-6 05-61-5

Research Articles:

1. Working out a Geological Map on Geographic Perspective, Research Bulletin, 1990, No. 2, CAAGR, pp 53 - 63 (with Uttam Mukhopadhyay)
2. Stratospheric Ozone Depletion - a report, Indian Journal of Landscape Systems and Ecological Studies, 1992, 15 (1), pp. 61 - 69
3. Bibhinna Prakar Manchitra O Tather Byabahar, Bhugolika (Bengali), 1995, 3(1), pp. 23 - 29
4. Field Work in Geography the basic principles, Indian Journal of Landscape Systems and Ecological Studies, 1995, 18 (2), pp. 62 - 68
5. Bhugol Bijnaner Kichhu Paribhasa, Bhugolika (Bengali), 1996, 4 (1), pp. 30 - 36
6. Geographical Information System (GIS) fundamentals and basic principles, Indian Journal of Landscape Systems and Ecological Studies, 1996, 19 (2), pp. 16 - 22.
7. Bhugol Bijnaner Kichhu Paribhasa, Bhugolika (Bengali), 1997, 5 (1), pp. 4 - 23
8. Geography and Computers, Traverse, November Issue, 1997, Geographical Institute, Presidency College
9. Childcare, Development and Rights an overview, ACCR Publications, 1998, Calcutta, pp. 36 - 41
10. Geographical Data Analysis - concepts and issues, Traverse, September Issue, 1999, Geographical Institute, Presidency College, Calcutta, pp. 10 - 15
11. Agami Satake Bhugol Bijnaner Pathakramer Punarbinyas - ekti prostab, Bhugolika (Bengali), August 1999, 7 (1), pp. 15 - 18
12. Sabhyata, Samaj O Paribesh bibartaner prasanga, in Roy R (ed: 2000): Prateetti (Bengali), January 2000, pp. 41 - 51
13. The 21st Century Geography in India an appraisal, Journal of the Indian Geographical Foundation, Vol - 6 & 7, Winter: 1999 2000, pp. 24 - 44, Calcutta
14. Manchitrabijnan bikash o sadharan dharana, in Roy R (ed: 2000): Prateetti (Bengali), October 2000, pp. 41 - 51
15. Fundamentals of Digital Cartography - an appraisal, Traverse, November Issue, 2000, Geographical Institute, Presidency College, Calcutta, pp. 10 - 15
16. GIS and Geographers, The Observer, 2002, SGA, Calcutta University, Calcutta.
17. Manchitrabidyar Pracheen Itihas, Bhugolika (Bengali), BBM, 2002, 8 (1 & 2), pp. 3 - 7
18. Career Options in Geography, The Observer, 2003, SGA, Calcutta University, Calcutta.
19. Presentday Geography in West Bengal - craze and

- frustrations, Bhugolika, 2003, BBM, Calcutta.
20. Maps - an interface to geographic information, Traverse, September Issue, 2003, Geographical Institute, Presidency College, Calcutta, pp. 1 - 5
 21. Geographical Analysis - tools and techniques, Bhugolika, 2004, 10 (1 & 2), pp. 5 - 10
 22. Cartographic Modelling a new frontier in geographical research, The Observer, 2004, Vol 47, pp. 37 - 40
 23. Flood Management using Satellite Remote Sensing Techniques, The Observer, 2005, Vol - 48, pp. 37 - 40, SGA, Calcutta University, Calcutta
 24. Principles of Mapping and Analysis of Terrain - a modern concept, Traverse, January 2006, Vol - 38, Geographical Institute, Presidency College, Kolkata.
 25. Nadi'r Parh Kshoi - prayogic bhumiroopbidya'r ekti adhyayan, Bhugolika, 13 (2), March, 2007, pp. 5 - 18
 26. Nature of the Science of Geography, Bhugolika, 14 (1), September, 2007, pp. 15 - 21
 27. GIS and Cartographic Visualization, Autumn Annual, PCAA, Vol 36, 2007 2008, pp. 149 - 157
 28. Landscape as a Self-organizing System nature, properties and evolution, Traverse, March Issue 2008, Geographical Institute, Presidency College, Kolkata.
 29. Mapping Your Career Graph with Geography, Bhugolika, 14 (2), September 2008, pp. 15 - 21
 30. Geoinformatics and its Application in Geomorphological Studies, Bhugolika, 15 (2), September 2008, pp. 30 - 38
 31. The Journey from Classical Traditions to Neogeography, Autumn Annual, PCAA, Vol 37, 2008 2009, pp. 140 - 166
 32. Geographical Education and Quality Teaching in School, Proceeds. Orientation Prog. on 'Emerging Trends in Geography education methods and materials' (February 2 7, 2009), An IASE Publication, Series 1: Geography, Vol IV, pp. 62 - 76
 33. Tobler's First Law of Geography an analytical discourse, Bhugolika, 16 (1), July 2009, pp. 26 - 31
 34. Particulate Pollution Scenario an environmental analysis, Asian Studies, Netaji Institute for Asian Studies, Kolkata, July December 2009, 27(2), pp. 1 - 8
 35. David Harvey's Explanation in Geography and TFL, Autumn Annual, PCAA, Vol. 38, 2009-10, pp. 110 - 126
 36. Experimental Geography of Paglen, Traverse, February Issue 2010, pp. 13 - 15, Geographical Institute, Presidency College, Kolkata.
 37. Nature and Management of our Water Resources, Bhugolika, 17 (1), May 2010, pp. 10 - 19
 38. Maps - yesterday, today and tomorrow, Bhugolika, 17 (2), January 2011, pp. 10 - 18
 39. The Origin and Evolution Geography as an Academic Discipline, Traverse, February Issue, 2012, pp. 41 - 65, Geographical Institute, Presidency College, Kolkata.
 - 40.

Books:

1. 1983: Bhugol Prasange (Part - IV Class - IX), Bengal Book Concern, Calcutta
2. 1983: Bhugol Prasange (Part - V Class - X), Bengal Book Concern, Calcutta
3. 1992: Adhunik Bhugol (Part - I Class - VI), Orient Longman, Calcutta

4. 1992: Adhunik Bhugol (Part - II Class - VII), Orient Longman, Calcutta
5. 1992: Adhunik Bhugol (Part - III Class - VIII), Orient Longman, Calcutta
6. 1997: Practical Geography - a systematic Approach, Orient Longman, Calcutta. ISBN 81-250-1148-X
7. 1998: Urban System, Urban Growth and Urbanisation in the 20th Century West Bengal, New Academic Publishers, New Delhi, ISBN 81-86772-03-0
8. 2007: Quantitative Techniques, PGGR 04, Netaji Subhas Open University, Kolkata
9. 2008: Practical Geography - a systematic Approach, Orient BlackSwan, Kolkata ISBN 978-81-250-3529-9
10. Advanced Quantitative Analysis in Geography, Orient BlackSwan, New Delhi (*in press*)

Books (*in manuscript stage*):

1. Elementary Physical Geography
2. Elementary Fluviology
3. Elementary Climatology

M.Sc Dissertations (*supervised*):

2002 - 2003:

1. Analysis of Landuse Pattern of Hooghly district, West Bengal
2. Spatial Analysis of Occupational Pattern of Hooghly district, West Bengal
3. Agricultural Development of Hooghly district, West Bengal
4. Analysis of Occupational Pattern of North 24 Parganas district,
5. Analysis of Literacy Pattern of Barasat Town with special reference to Female Literacy

2003 - 2004:

6. Planning Automobile Routes for Public Transportation in Kharagpur, Medinipur, West Bengal
7. Urban Growth and Urbanisation of Hooghly district, West Bengal

2004 - 2005:

8. Analysis of Progressive Changes of Occupational Structure of West Bengal, 1981 - 2001
9. Spatial Analysis of Landuse Components and its Changes - a case study of West Bengal, 1971 - 2001
10. Spatio-temporal Analysis of Cropping Pattern - a case study of West Bengal
11. Development of Primary Education in West Bengal
12. Analytical Study of the Socio-economic Setting of Howrah district, West Bengal
13. Terrain Analysis of the Dulung River Basin
14. River Bank Erosion and its Environmental Impacts - a case study in 'Mayapur- Swarupganj Nabadwip' region
15. River Bank Erosion - a case study of Bhagirathi river in Balagarh, Hooghly district

2005 - 2006:

16. Analysis of progressive changes of sex ratio of West Bengal, 1971 - 200

2006 - 2007:

17. Data Product Generation and Cartographic Visualization
18. Densities of Population - its measures and visualization
19. The Industrial Region of Howrah - a sociocultural study
20. Economy and Society - a regional appraisal of India
21. Pattern of Literacy of West Bengal - a cartographic appraisal

22. Spatio-temporal Analysis of Working Population of West Bengal

2007 - 2008:

23. Socialscape of Uttarpara Kotrang Municipality - a cartographic appraisal
24. Coal Mining and its Environmental Impacts - a case study of ECL
25. Transport Layout of Nadia District - network analysis and development
26. Population and Infrastructure of North 24 Parganas - a cartographic analysis

2008 - 2009:

27. Growth and Development of Siliguri Municipality, Darjeeling, West Bengal
28. Infrastructure and Human Development in the Goghat Blocks of Hooghly District, West Bengal - a geographical appraisal

2009 - 2010:

29. Attribute Data and Spatial Data - manipulation and cartographic visualization
30. Thematic Data Layers from Topographical Map and Satellite Images - a geographical appraisal of Landcover / Landuse

2010 - 2011: None

2011 - 2012:

31. Socio-economic Landscape of Bankura district, West Bengal
32. A Geographical Appraisal of Change Detection of LU/LC from Multidated Data Layers
33. Urbanscape of Taki Municipality - a cartographic appraisal

Seminars / Symposiums / Conferences:

International Seminar:

1. *Paper presented* on "Urban Growth in West Bengal - a study in size dynamics of towns" at the International Regional Science Conference, December 17 - 19, 1992, IIT Kharagpur, Abstract Volume, Paper No. 3.14
2. *Paper presented* on "Size and Spacing of Urban Settlements in West Bengal, 1901-1981" in the 38th Annual Conference of Bangladesh Geographical Society, Dhaka, January 21- 22, 1994, Abstract Volume.
3. *Paper presented* on "Impact of Natural Resource Base on Integrated Area Development - a case study of North 24 Parganas district, West Bengal" in the 8th National Geographical Conference on "21st Century status of geography and challenges ahead", March 11 - 13, 1998, Jahangir Nagar University, Savar, Dhaka, Abstract Volume, pp 23 (presenter: Narayan Chandra Ghosh)
4. *Paper presented* on "Management of Water Resource System in North 24 Parganas district, West Bengal, India" in the Annual Conference of Bangladesh Geographical Society, Dhaka University, June 19 - 20, 1998, Abstract Volume (presenter: Narayan Chandra Ghosh)
5. *Paper presented* on "Bank Erosion by Rupnarayan River - a study of geomorphological hazard" in the International Seminar on "Changing Environmental Scenario in South Asia during the past 5 decades", December 20 - 21, ILEE, Abstract Volume, Paper No 13 (presenter: Saswati Nayek)
6. *Paper presented* on "Inter Block Disparities in Human Resource Development - a case study of North 24 Parganas district, West Bengal" in the XVIII INCA International Congress, Calcutta, December 15 - 18, Abstract Volume, Section - 5, Page No. 32 (presenter: Narayan Chandra Ghosh)

7. *Paper presented* on "Pattern of Landuse characteristics and correlates (a study of Hooghly district, West Bengal)" in the XVIII INCA International Congress, Calcutta, December 15 - 18, Abstract Volume, Section - 5, Page No. 32 (presenter: Sandip Das)
8. *Attended* International Seminar on "Changing Environmental Scenario of India & Adjacent Countries since Independence", 29th December, 2000 - 1st January, 2001, University of Calcutta, Kolkata
9. *Paper presented* on "In Quest of an alternative Flood Management Strategy for Hooghly District, West Bengal" in the International Seminar on "River Floods" organized by the National Disaster Management Cell, Viswa-Bharati, February 14 - 16, 2003
10. *Paper presented* on "Mapping the Landuse / Landcover of a Geographical Space through Digital Image Processing of Satellite Data" in the 24th INCA International Congress on "Cartographic Technologies for Water, Land, and Infrastructure Development", October 6 - 9, 2004, Science City, Kolkata (presenter: Shubhojit Ghosal)
11. *Paper presented* on "Semi-supervised Classification of Land Cover on Spectral Reflectance Data Extracted from LISS IV Image" in the ISPRS Commission IV International Symposium on 'Geospatial Database for Sustainable Development', XXXVI, Part 4B, pp866 - 870, September 27 - 30, 2006, Goa (presenter: Barun Ray Chaudhuri and S. Bhattacharyya)
12. *Poster presented* on "Terrain Characterization and Enhancement of Topographical Map-derived Stream Network using S.R.T.M. Data" in the ISRS International Symposium held at NIRMA University, Ahmedabad, December 18 - 20, 2008 (presenter: Priyank Pravin Patel)
- Sustainable Development*", November 19 - 21, Paper No. R 2, pp.8 (with N. C. Ghosh)
8. *Presented a Paper* on "Human Resource Development a multivariate analysis" in the National Seminar on "Changing Pattern of Environment", March 6 - 7, BG College, Calcutta, Seminar Volume, pp. 7 - 12
9. *Presented a Paper* on "Landuse Pattern an exploratory analysis" in the National Seminar on "Changing Pattern of Environment", organized by Department of Geography, BG College, Kolkata, February 5, 2000, Abstract Volume
10. *Attended* the 32nd Annual Regional Science Conference on "Urban and Regional Information System for Planning", November 17 - 18, 2000, TITI, Salt Lake City, Calcutta
11. *Attended* the UGC sponsored National Seminar on "Redeeming Goals of Higher Education in the 21st Century", February 27, 2001, Derozio Hall, Presidency College, Calcutta
12. *Attended* the National Conference on "Geography and Applied Geography", December 10 - 12, 2002, NATMO, Kolkata
13. *Attended* the National Conference on Land and Water Management in India, December 13 - 14, 2002, ILEE & IBARD, Kolkata
14. *Attended* the National Symposium on "Development the Indian perspective, held on 13/14 February, 2003, Department of Geography, Calcutta University
15. *Attended* the UGC sponsored National Seminar on "Globalisation its impact on society", held in February, 2003, Derozio Hall, Presidency College, Calcutta
16. *Presented a Paper* on "Natural Disaster and its Management the geographical issues", in the National Seminar on "Disaster and its Management perspectives and future approach", April 16 - 17, 2004, Krishnagar Govt. College, Nadia
17. *Presented a Paper* on "Digital Mapping of the Drainage Pattern Changes a remote sensing and GIS approach" in the National Seminar on "Applied Geography and Application of Remote Sensing and GIS", organized by the Department of Geography, University of Calcutta, February 4 - 5, 2005, (presenter: Shubhojit Ghosal).
18. *Presented a Paper* on "Digital Analysis of a Fluvialscape for Sustainable Development" in the National Seminar on "Catchment Management and Sustainable Development", March 27-28, 2005, ILEE + IBRAD, Department of Geography, CU (presenter: Shubhojit Ghoshal)
19. *Presented a Paper* on "Terrain Analysis of the Dulung basin" in the National Seminar on "Catchment Management and Sustainable Development", March 27-28, 2005, ILEE + IBRAD, Department of Geography, CU (presenter: Priyank Pravin Patel)
20. *Presented a Paper* on "Pattern of Human Settlement in the Plains of West Bengal a study of applied Geoinformatics" in the UGC Sponsored National Seminar on "Applications of RS & GIS in Resource Mapping" January 28 - 30, 2008, organized by Department of Geography & Applied Geography, University of North Bengal in collaboration with the Department of Higher Education, Govt. of West Bengal
21. *Presented a Paper* on "Rural Industrialisation in West Bengal a boon or a bane?" in the National Seminar on 'Contemporary Issues in Geography' organized by the Indian Geographical Foundation, Kolkata, February 27 - 28, 2009 (presenter:

National Seminar:

1. *Presented a Paper* on "A Different Theme on Slope Mapping" in the National Conference on "Regional Development - some aspects", December 16, University of Calcutta, Abstract Volume, pp. 8
2. *Presented a Paper* on "Spatial Pattern of Urban Growth in West Bengal during the 20th Century an analysis" in the National Seminar on "Socio-economic Spectrum of West Bengal - geographical perspective", University of Calcutta, September, Abstract Volume, pp. 9
3. *Presented a Paper* on "Evolution of the Hierarchic Levels of Urbanisation in West Bengal, 1901 - 1981 - an analysis", Paper presented in the National Seminar on "Regional Disparities in Socio-economic Development in India", University PG College, February 1992, Tikamgarh
4. *Presented a Paper* on "Pattern Continuum, Bank Erosion and Channel Metamorphosis of the Rupnarayan River Channel, West Bengal" in the 16th Indian Geographical Congress, NAGI, Hyderabad
5. *Presented a Paper* on "Environmental Impact Assessment - a case study of bank erosion by Rupnarayan river" in the 5th Conference and Seminar of Indian Institute of Geomorphology, Calcutta University, January 29 - 31, 1993, Abstract Volume, Paper No. 84
6. *Presented a Paper* on "Disparities in Levels of Agricultural Development a case study of North 24 Parganas district, West Bengal" in the National Seminar on "Environment and

- Mun Mun Nandy)
22. *Presented a Paper* on "Application of SRTM Data in the Evaluation of Drainage Basin Morphometry a case study of the Dulung River basin." in the National Seminar on 'Contemporary Issues in Geography' organized by the Indian Geographical Foundation, Kolkata, February 27 - 28, 2009 (presenter: Priyank Pravin Patel)
 23. *Presented a Paper* on "Merging Spatial Data Layers for Enhanced Mapping and Visualisation" in the National Seminar on 'Contemporary Issues of Environment and Development' organized by the Institute of Landscape, Ecology and Ekistics, Kolkata', March 4, 2009 (presenter: Priyank Pravin Patel)
 24. *Attended* the National Seminar on 'Ganga Delta: Development Perspectives' organized by the Department of Geography, University of Calcutta, Kolkata', March 06 - 07, 2009
 25. *Chaired* the Academic Session VI on 'Issues in Analytical Geography and Geospatial Mapping' in the National Seminar on 'Contemporary Issues in Geography' organized by the Indian Geographical Foundation, Kolkata, February 27 - 28, 2009
 26. *Presented a Paper* on "Analyzing Impact of Land Cover Changes in Kolkata on corresponding Land Surface Temperature from Landsat Thermal Imagery", in the National Symposium on 'Advances in Geo-spatial Technology with special emphasis on Sustainable Rainfed Agriculture', organized by the ISRS, RRSSC, MRSAC, NBSS & LUP, Nagpur, Maharastra, September 17 - 19, 2009 (presenter: Priyank Pravin Patel)
 27. *Presented a Paper* on "Morphometric Attributes and their Relation to Channel Characteristics in the Chel N. Basin, West Bengal", in the 22nd National Conference of Indian Institute of Geomorphology on 'Man Environment Relations', organized by the Department of Geography, University of Allahabad, Allahabad, October 29 - 31, 2009 (presenter: Priyank Pravin Patel), Abstract Volume : pp. 107
 28. *Presented a Paper* on "An Assessment and Analysis of Town Size Distribution in India", in the National Seminar on 'Emerging Issues in Geography', organized by the Department of Geography, Visva-Bharati, and Indian Geographical Foundation, Kolkata, March 20 - 21, 2010, Abstract Volume: pp 70 (presenter: Mun Mun Nandy)
 29. *Presented a Paper* on "Morphometric Comparison of the Left and Right Flank Sub-basins of the Dulung river valley, West Bengal", in the National Seminar on 'Emerging Issues in Geography', organized by the Department of Geography, Visva-Bharati, and Indian Geographical Foundation, Kolkata, March 20 - 21, 2010, Abstract Volume: pp. 70 (presenter: Priyank Pravin Patel)
 30. *Chaired* the Academic Session IV as Resource Person on 'Man and its Changing Landuse and Developmental Issues' in the National Seminar on 'Geography: Space, Time and People' organized by the Indian Geographical Foundation, Kolkata, February 11- 13, 2011
 31. *Presented a Paper* on 'Urbanisation and Urban Sprawl: a case study of Barasat Municipality' in the Academic Session V on 'Development of Urbanisation and related problems, Rural Urban Continuum and Urban Sprawl' in the National Seminar on 'Geography: Space, Time and People' organized by the Indian Geographical Foundation, Kolkata, February 11 - 13, 2011, Abstract Volume: pp 81 (presenter: Debasmita Biswas)
 32. *Presented a Paper* on 'Resource Analysis from a Geographer's Perspective' in the National Seminar on 'Resource Management and Sustainable Development' organized by Department of Geography, East Calcutta Girls' College in Collaboration with NATMO, and DST, Kolkata, September 23 - 24, 2011
 33. *Presented a Paper* as Resource Person in the Plenary Session on 'Environmental Degradation - concept, classes and linkages' in the UGC Sponsored State Level Seminar on 'Environmental Degradation and Strategies for Conservation and Management' organized by the Department of Geography, Krishnanagar Govt. College, Krishnanagar, Nadia in Collaboration with WWF, Kolkata, November 24 - 25, 2011.
 34. *Chaired* the Technical Session - VI on 'Environmental Degradation and RS GIS' in the UGC Sponsored State Level Seminar on 'Environmental Degradation and Strategies for Conservation and Management' organized by the Department of Geography, Krishnanagar Govt. College, Krishnanagar, Nadia in Collaboration with WWF, Kolkata, November 24 - 25, 2011.
 35. *Chaired* the Technical Session - III on 'Population Growth, Resource Crisis and Livelihood Issues' in the UGC Sponsored National Seminar on 'Changing Environmental Scenario of Indian Subcontinent - a geographical appraisal' organized by the Department of Geography, Rastraguru Surendranath College, Barrackpur in Collaboration with WBSU, Barasat, November 25 - 26, 2011
 36. *Presented a Paper* as a Panelist in the Plenary Session III on 'Role of Modern Geographical Knowledge in National Development' in the National Seminar on 'Changing Environmental Scenario of Indian Subcontinent a geographical appraisal' organized by the Department of Geography, Barrackpore Rastraguru Surendranath College, Barrackpur in Collaboration with WBSU, Barasat, November 25 - 26, 2011
 37. *Presented a Paper* as Resource Person in the Plenary Session on 'Classification in Geography' in the UGC Sponsored National Conference on 'Recent Researches in Earth System Science' jointly organized by the Department of Geography and Geology, Asutosh College in collaboration with Geological Mining and Metallurgical Society of India, and Geographical Society of India, Kolkata, February 10 - 11, 2012
 38. *Chaired* the Technical Session I on February 11, 2012 in the UGC Sponsored National Conference on 'Recent Researches in Earth System Science' jointly organized by the Department of Geography and Geology, Asutosh College in collaboration with Geological Mining and Metallurgical Society of India, and Geographical Society of India, Kolkata
 39. *Presented a Paper* on 'A Study of Workplace Culture & Status of Women Construction Labourers in the Social Ladder, West Bengal, India' in the National Seminar on 'Demographic Transition and Inclusive Development' organized by IIPS, Mumbai held in the ISI, Kolkata, March 15 - 17, 2012

Others (Seminar / Symposia/ Workshops):

1. *Attended the Winter School on "Geographical Information System"*, January 8 - 18, 2002, Applied Statistics Unit, ISI, Kolkata
2. *Delivered a Lecture as Resource Person on "Recent Developments in Geography and its Career Options"*, L.B.College, December 11, 2002, Kolkata
3. *Delivered a Lecture as Resource Person on "Geographical Analysis tools and techniques"*, February 22 - 26, 2003, BBM, Kolkata
4. *Delivered a Lecture as Resource Person on "Methods in Geography presentday issues"*, March 8, 2003, IIP, Kolkata
5. *Delivered a Lecture as Resource Person on "Geographical Information System a tool of spatial analysis"*, March 15, 2003, IIP, Kolkata
6. *Delivered a Lecture as Resource Person on "A Critical Appraisal of Gram++ : the most user-friendly GIS and RS software"*, March 29, 2003, IIP, Kolkata
7. *Delivered a Lecture as Resource Person on "Bhugol Shikshan e Manchitrer Bhumika"*, January 12, Birla Planetarium Hall, organized by Orient Longman, Kolkata
8. *Delivered a Lecture as Resource Person on "Changing Nature of Geographic Analysis"* in the "Refresher Course in Geography for the School Teachers", organized by the Bangiyo Bhugol Mancha, June 8 - 12, 2005, Scottish Church College (B.Ed Section)
9. *Delivered a Lecture as Resource Person on "Nature of Geography and Career Options with Geography"* in the "Refresher Course in Geography for the School Teachers", organized by the Bangiyo Bhugol Mancha, June 8 - 12, 2007, Mahabodhi Society Hall, Kolkata
10. *Delivered a Lecture as Resource Person on "Quality Enhancement in Teaching Geography in Schools"* in the "CTE Orientation-cum-Workshop for in-service teachers of Secondary and Higher Secondary Schools", organized by the Ramakrishna Mission Sikshan Mandira, Belur Math, August 20 - 25, 2007
11. *A Resource Person in the Workshop on "Uchha-Madhyamik Starey Bishoibhittik Karmashala Syllabus of Geography at Higher Secondary Level, West Bengal"*, organized by the West Bengal Govt. School Teachers Association, Hare School Campus, Venue Hindu School, September 17 - 21, 2007
12. *A Resource Person in the Seminar-cum Workshop on "Career Option and GIS"*, organized by the Department of Geography, Kalyani University sponsored by the 21st Century GIS Solutions, April 9 2008
13. *An Expert in the Panel Discussion on "Introduction of GIS Software in Undergraduate Level of Geography"*, organized by the Department of Geography, Kalyani University, April 9 2008
14. *Delivered a Lecture as Resource Person on "Mapping Your Career Graph with Geography"* in the Teachers Training Programme on Remote Sensing & Geographical Information System, organized by the Bangiyo Bhugol Mancha, Kolkata, June 1 - 5, 2008
15. *Delivered a Lecture as Resource Person on "Application of GFM in Planning and Development an overview"* as Part of the 'Foundation for GIS Usage in Planning and Development for Howrah District, West Bengal', organized by the Chairman, District Planning Committee, Howrah at the DM Bungalow on June 24, 2008 (presenter: Priyank Pravin Patel)
16. *Delivered a Lecture as Resource Person on "Resource Analysis from Geographical Perspective using Tools and Techniques of Geoinformatics"* in the 12th Refresher Course in Geography & Environmental Studies with focal theme on 'Resource Appraisal & Environmental Challenges', organized by the Department of Geography & UGC Academic Staff College, University of Calcutta, 07 - 28 November, 2008 (27), Kolkata
17. *Delivered a Lecture as Resource Person on "International Charter on Geographical Education and Quality Teaching in Schools"* in the 'Phase III of the CTE Programme on 'Improving the Teaching Learning Process in Geography in Secondary and Higher Secondary Levels', organized by the Ramakrishna Mission Sikshanamandira, Belur Math, Howrah, January 13 - 20, 2009 (19).
18. *Delivered a Lecture as Resource Person on "The most Inconvenient Truth on Geographical Perspective"* in the 'Phase III of the Orientation Programme on 'Emerging Trends in Geography Education : Methods and Materials', organized by the Institute of Advanced Studies in Education, David Hare Training College, Kolkata, February 02 - 07, 2009 (06).organized by the Institute of Advanced Studies in Education, David Hare Training College, Kolkata, February 02 - 07, 2009 (06)
19. *Delivered a Lecture as Resource Person on "Urbanisation and City Size Distribution an exploratory analysis"* in the 13th Refresher Course in Geography with focal theme on 'Development Perspectives in Eastern India', organized by the Department of Geography & UGC Academic Staff College, University of Calcutta, August 24 - September 12, 2009 (September 8), Kolkata
20. *Delivered a Lecture as Resource Person on "The most Debated Issues about / in Geography"* in the "CTE Orientation Programme for in-service teachers of Secondary and Higher Secondary Schools", organized by the Post-Graduate Autonomous College of Teacher Education, Ramakrishna Mission Sikshanmandira, Belur Math, Howrah, September 14, 2010
21. *Delivered a Lecture as Resource Person on "Oceans the power of the planet earth"* in the "CTE Orientation Programme for in-service teachers of Secondary and Higher Secondary Schools", organized by the Post-Graduate Autonomous College of Teacher Education, Ramakrishna Mission Sikshanmandira, Belur Math, Howrah, September 16, 2010
22. *Delivered a Lecture as Resource Person on "Nature, Structure and Models of Landscape a geographer's perspective"* in the Refresher Course in Earth Science with thrust area on 'Landscape Systems: Developmental Interface', organized by the Department of Geography & UGC Academic Staff College, University of Calcutta, 05 - 24 September, 2011 (13), Kolkata
23. *Delivered a Lecture as Resource Person on "Geography and the Geographer"* in the "CTE Orientation Programme for in-service teachers of Secondary and Higher Secondary Schools", organized by the Post-Graduate Autonomous College of Teacher Education, Ramakrishna Mission Sikshanmandira, Belur Math, Howrah, September 15, 2011
24. *Delivered a Lecture as Resource Person "Landscape*

attributes, hierarchy and models” in the Saturday Lecture Series (Presentation No. 2), organized by the Geographical Institute, Presidency University, Kolkata at 3-00 pm on September 17, 2011

25. Delivered a Lecture as Resource Person on “Urbanisation in India nature and development” in the PG Department of Geography, Bhairab Ganguly College, Kolkata at 11-00 am on November 11, 2011
26. Delivered a Lecture as Resource Person on “Counterurbanisation nature, characteristics, social and environmental implications” in the PG Department of Geography, Bhairab Ganguly College, Kolkata at 11-00 am on November 18, 2011
27. Delivered a Lecture as Resource Person on “Geostatistical Analysis nature, foundation and techniques” in the PG Department of Geography (Autonomous), Rastraguru Surendranath College, Barrackpur (Barasat State University) at 11-00 am on April 25, 2012
28. *Delivered a Lecture* as Resource Person on “Geographical Data Analysis techniques and applications” in the PG Department of Geography (Autonomous), Rastraguru Surendranath College, Barrackpur (Barasat State University) at 11-00 am on April 28, 2012

Research Projects (completed):

- 1) **Principal Investigator**, University Grants Commission Research Project on "Bank Erosion by Alluvial Channels - a study in environmental geomorphology" (*submitted in October, 2000*)
- 2) **Principal Investigator**, University Grants Commission Research Project on "Mapping floodprone areas in Hooghly district, West Bengal using Satellite Data and GIS" (*submitted in December, 2006*)
- 3) **Fluvial Analyst**, Ganga - Padma Bank Erosion - a case study of Taltali and Patashpur Area, Murshidabad, West Bengal, The Institute of Thematic Cartography, India + Sripat Singh College, Jiaganj, Murshidabad (*submitted in October, 2010*)
- 4) **Principal Investigator**, University Grants Commission Research Project on “Extraction, Mapping and Explanation of the Fluvimetric Properties of the Confluence Angles using RS and GIS” (*submitted in December, 2011*)
- 5) **Supervisor**, UGC Research Project (NET JRF / SRF: Priyank Pravin Patel): on “Geomorphology of Dulung Basin using RS & GIS” (Ph.D. Thesis on “An Exploratory Geomorphological Analysis using Modern Techniques for Sustainable Development of the Dulung River Basin) (*submitted in May, 2012*)
- 6) **Co-Principal Investigator**, UGC sponsored Major Research Project on “Strategies of Economic Development of the Terai of Darjeeling district, West Bengal a block level study' (**Principal Investigator: Prof. M. M. Jana**) (*submitted in February, 2012*)

M. Phil Dissertation (supervised and awarded):

1. Uttarasol and Barkala - a comparative geographical appraisal of rural development (Mr. Dilip Dolai, Assistant Teacher: Shyampur School) (Vinayak Mission University, Salem, Tamilnadu) (*awarded: 2007*)
2. A Socio-economic Study of Bhalukhulya Village, District Paschim Medinipur (Mr. Pratul Mridha, Assistant Teacher,

Reg. No. 602013080262: 15.12.2009 (Vinayak Mission University, Salem, Tamilnadu) (*awarded: 2009*)

Ph.D Thesis (supervised and submitted/awarded):

1. Characteristics and Correlates of Rural Sanitation - a geographical analysis of Nandigram, East Medinipur, West Bengal (Mr. Samaresh De, Assistant Teacher: Nandigram School) (Registration No. 04219900029: 16/12/2004) (*submitted: 11th December 2009; awarded: 18th July 2011, NSOU*)
2. An Exploratory Geomorphological Analysis using Modern Techniques for Sustainable Development of the Dulung River Basin (Mr. Priyank Pravin Patel, UGC NET JRF) (No. 3184 Ph.D. (Sc) Proceed / 2007 dated 21st September, 2007 : Date of Registration : 19th September, 2007) (*Submitted on 04.05.2012*).
3. Habitat and Socio-economic Development of the ST Population of Darjeeling district, West Bengal - a geoenvironmental analysis (Mr. Gunadhar Manna, Lecturer: WBES) (No. 561 Ph.D. (Sc) Proceed / 2003 dated 4th March, 2003: Date of Registration - 26th February, 2003; 675 Ph.D. (Sc) Proceed / 2008 dated 29th February, 2008 : Date of Registration - 27th February, 2008). (*Submission: January 2013*)

Ph. D. Research (Doctoral Scholars):

University of Calcutta

1. Problems and Development Prospects of the Cottage and Small Scale Industries in West Bengal - a case study of selected industries in Bishnupur and Bolpur (Ms Mun Mun Nandy, UGC NET JRF) (No. 3124 Ph.D. (Sc) Proceed / 2008 dated 10th September, 2008 : Date of Registration - 9th September, 2008)
2. Dynamics of Urban Sprawl a comparative analysis of Barasat and Baruipur (Ms Debasmita Biswas, UGC NET JRF / WBES Assistant Professor of Geography, ABN Seal College, Cooch Behar) (No. 3124 Ph.D. (Sc) Proceed / 2008 dated 10th September, 2008: Date of Registration - 9th September, 2008)
3. Impact of Small Irrigation Projects and Assessment of their Performance in Southern Part of Purulia District, West Bengal, India (Mr. Abhijit Ghosh, CSIR NET JRF/ Part-time Lecturer, St. Xaviers' College, Siliguri) (No. 4504 (Sc) Proceed / 2010: Date of Registration - December 13, 2010)

Netaji Subhas Open University, Kolkata

4. Urban Development, Industrial Diversification and Socio-Economic Impact on the Haldia Municipal Area of East Medinipur District, West Bengal (Ms Mahua Chatterjee, Lecturer: WBES) (Memo No. 03-01 / 602 (3) dated 2nd May, 2008: Registration No. 08129900038 : Date of Registration - 28th May, 2008). (*Presubmission Seminar: December, 2012*)

University of Kalyani

5. A Study on Medical Tourism in and around Kolkata (Ms Anu Rai, University Scholar, KU) (Memo No. Ph.D/Regn./N.Rg1./Sc-182/Geo./AR/2012) dated November 12, 2012 (Date of Registration - 28th May, 2012)

Current UGC/CSIR NET JRF/SRF Scholars:

1. Problems and Development Prospects of the Cottage and Small Scale Industries in West Bengal - a case study of selected industries in Bishnupur and Bolpur (Ms Mun Mun Nandy, UGC NET JRF) (No. 3124 Ph.D. (Sc) Proceed / 2008 dated 10th September, 2008 : Date of Registration - 9th September, 2008)

Research Projects:

1. *Supervisor*, University Grants Commission National Eligibility Test Junior Research Fellowship Project on "Agricultural Pattern with special reference to Rice Cultivation in West Bengal" (*incomplete : JRF resigned to join Service*)
2. *Supervisor*, University Grants Commission National Eligibility Test Junior Research Fellowship Project on "Cottage & Small Scale Industries in Bishnupur and Bolpur Sub-divisions of West Bengal - a geographical appraisal" (*ongoing*)
3. *Supervisor*, University Grants Commission National Eligibility Test Junior Research Fellowship Project on "Dynamics of Urban Sprawl in the Eastern Fringe of Kolkata - a geographical analysis using RS and GIS Techniques" (*ongoing*)
4. *Supervisor*, Council of Science and Industrial Research National Eligibility Test Junior Research Fellowship Project on "Small Irrigation Projects in Purulia - a geographical appraisal" (*ongoing*)

Professional Experience:

(1) Teaching 30 years +

(2) Research 32 years +

(3) Editor-in-Chief

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(4) Resource Person

Colleges / Universities / Institutes of West Bengal, College Service Commission, Public Service Commission, Union

Public Service Commission, National Council for Education Research and Training, Bangiyo Bhugol Mancha, Indian Society of Spatial Scientists.

(5) Member

PG Board of Studies: Presidency University, Calcutta University, Netaji Subhas Open University, Vidyasagar College, Bhairab Ganguly College. UG Board of Studies: Presidency University, Kalyani University. Post Graduate Faculty Council, Calcutta University.

(6) Govt. Nominee

West Bengal Education Service, etc

(7) Examiner

Ph.D. Research: Universities of India
B.Sc / M.Sc: Colleges / Universities of India,
Professional Course: P.S.C., U.P.S.C., Bank, Rail, etc

(8) Participation

University Grants Commission sponsored Refresher Course on Earth Science, University of Calcutta, 1991
Winter School on "Geographical Information System", January 8 - 18, 2002, Applied Statistics Unit, Indian Statistical Institute, Kolkata

(9) Life Fellow

1. Geographical Society of India, Kolkata
2. Indian Society of Landscape, Ecology & Ekistics, Kolkata
3. Indian Institute of Geomorphology, Allahabad
4. Indian Society of Remote Sensing, Dehradun
5. Indian Society of Earth Science, Kolkata
6. Indian National Cartographic Association, Hyderabad
7. Regional Science Association, IIT, Kharagpur
8. Indian Geographical Foundations, Kolkata
9. Indian Society of Spatial Scientists, Kolkata