



UNIVERSITY OF CALCUTTA
Department of Geography

[FACULTY ACADEMIC PROFILE/ CV]



1. **Name** DR. LAKSHMINARAYAN SATPATI
2. **Designation** Professor of Geography and Director, UGC- Human Resource Development Centre, University of Calcutta
3. **Specialisation** Climatology, Geomorphology, Hydrology, and Quantitative Geography
4. **Contact information**
- Residential address: 369 N, Raja Rammohan Roy Road, Kolkata- 700 008
- Office Address: Department of Geography, University of Calcutta, 35 Ballygunge Circular Road, Kolkata- 700 019
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5. **Academic qualifications:**

College/ university from which the degree was obtained	Abbreviation of the degree	Year
University of Calcutta	B. Sc. with Hons. in Geography	1992
University of Calcutta	M. Sc. in Geography with specialisation in Meteorology/ Advanced Climatology	1994
University of Calcutta	Ph. D. (Sc) in Geography	2002

6. **Positions held/ holding:**

- Lecturer of Geography, Lal Baba College, University of Calcutta: 1999-2002
- Senior Lecturer of Geography, Lal Baba College, University of Calcutta: 2002-2006
- Lecturer, Dept. of Geography, University of Calcutta: 2006-2008
- Reader, Dept. of Geography, University of Calcutta: 2008-2011
- Associate Professor, Dept. of Geography, University of Calcutta: 2011-2014
- Professor, Dept. of Geography, University of Calcutta: 2014-2017
- Honorary Director, UGC-Human Resource Development Centre, University of Calcutta: 2015-2017
- Professor & Head, Dept. of Geography, University of Calcutta: 2017 (Apr.- Jul)

- i. Professor and Director, UGC-Human Resource Development Centre, University of Calcutta: 2017-till date (on substantive post). Professor, Dept. of Geography, University of Calcutta (on lien since 05 July 2017)

7. **Research interests:**

Please cite briefly the areas of research interests

- Climate, Water Resources, and Geoforms
- Population, Environment and Development
- Curriculum Development and Capacity Building in Geography

8. **Research guidance:**

- Number of researchers awarded M. Phil/Ph. D. degrees: Ph D Awarded- 12, Ph. D. thesis Submitted- 02
- Number of researchers pursuing M. Phil/ Ph.D: Ph. D.- 05, as Jt. Supervisor: 05
- Mentor of Post Doctoral Fellow: 01 (Radhakrishnan Fellowship) completed. 01 ICSSR Fellow pursuing.

9. **Projects:**

Completed projects: UGC Minor Research Project in 2001-2003; UGC-DRS (SAP) Phase- 1, 2007-12 as Co-investigator, and UGC-DRS (SAP) Phase-II, 2013-18 as Co-investigator.

10. **Select list of publications:**

a) **Journals:**

- 2009: *Employment Status in Rural West Bengal: A Case Study in Bongaon, Basirhat and Barasat Sub-divisions of North 24 Parganas, West Bengal*; (with R. Halder) in Geographical Review of India, Kolkata, Vol. 71, No. 2, pp 198-203, ISSN 0375-6386
- 2011: *Geomorphic Hazards in Urban Environment of Kolkata*; in Indian Journal of Landscape Systems and Ecological Studies, Vol. 34, No.2 (Special Volume on Ecological Problem in Geography), pp 543-552, ISSN 0971-4170
- 2011: *Flood Hazards in the Lower Damodar Area: A Case Study in Khanakul- I C D Block of Hugli District, West Bengal*; (with S. Halder) in Geographical Review of India, Vol. 73, No. 4, pp 379-390, ISSN 0375-6386
- 2012: *Morphodynamic Setting and Nature of Bank Erosion of the Ichhamati River in Swarupnagar and Baduria Bocks, 24 Parganas (N), West Bengal*; (with M. Mondal) in Indian Journal of Spatial Science, Vol. 3.0, No. 2, pp. 32-38, EISSN 2249-4316 ISSN 2249-3921
- 2012: *Climate Change Scenario and its Hydrological Implications in the Ganga Basin of India*; in Geographical Review of India, Vol. 74, No. 4, pp 371-382, ISSN 0375-6386
- 2014: *Morphodynamic Variables and Character of the Long Profile of the Ichamati River in North 24 Parganas District of West Bengal*, (with M. Mondal) in Geographical Review of India, Vol. 76, No. 4, pp 347-359, ISSN 0375-6386
- 2015: *Monsoon Variability, Crop Water Requirement, and Crop Planning for Kharif Rice in Sagar Island, India* (with S. Mandal and B. U. Choudhury), in International Journal of Biometeorology, Springer, (Online first) ISSN 0020-7128, DOI 10.1007/s00484-015-0995-9, 15p.

- 2015: *The Role of Fodder Cultivation on Livestock Rearing in WB*, (with A. Biswas), in Geographical Review of India, Vol. 77, No. 3, pp 271-277, ISSN 0375-6386
- 2016: *Character of Cross-Profiles with Respect to the Optimum Channel Cross-sections in the Middle Reach of the Ichamati River of West Bengal*, (with M. Mondal and S. Ghosh) Transactions, 38(2)201-14
- 2017: *Hydro-dynamic Character of Ichamati: Impact of Human Activities on Tidal river Management (TRM)*, (with M. Mondal), Ind. Jour. of Power and River Valley Management 67(3&4)50-62. II ISSN: 0019-5537
- 2017: *Climate Change Vulnerability to Agrarian Ecosystem of Small Islands: Evidence from Sagar Island, India* (with S. Mandal, B U Chaudhury, S. Sadhu), Theor. Appl. Climatol. DOI: 10.1007/s00704-017-20985 (Springer).
- 2018: *Optimum Cross Section Index (OCI): a New Approach for Identification of an Optimum Channel—a Case Study of the Ichamati River, India* (with M. Mondal and S. Ghosh), Arabian Journal of Geosciences, 11(12). Springer DOI:10.1007/s12517-018-3667-3.
- 2018: *Role of Kanyashree Project to Combat Gender Inequalities and Marginality in West Bengal*. (with M. Ghosh) in Geographical Review of India, Vol. 80, No. 3, pp 266-276, ISSN 0375-6386

b) **Books/ book chapters:**

- 2009: *Hydro-geography: Contemporary Issues and Future Agenda*; in Ravi S. Singh (ed.) Indian Geography in the 21st Century: The Young Geographers Agenda, Cambridge Scholars Publishing, Newcastle upon Tyne, UK, pp 166-187, ISBN(10) 1-4438-1365-6, ISBN (13) 978-1-4438-1365-5
- 2013: *Curricula Development of Geography in India: Some Pertinent Issues of Contemporary Education System*; in N. C. Jana and L. Sivaramakrishnan (ed.) Resources and Development- Issues and Concerns, Progressive Publishers, pp 624-633, ISBN 978-81-8064-252-4
- 2014: *Population and Development in India: Some Points to Ponder*, in Landscape and Development Interfaces in Geographical Research, (Eds.) Sumana Bandyopadhyay and L N Satpati, pp. 117-124, Academic Publishers, Kolkata ISBN 978-93-83420-37-7
- 2015: *Public Transportation in Urban North Howrah: Some Behavioural Issues of Commuting*, in Urban Development in Howrah- Socio-economic Perspectives, (Eds.) Mahalaya Chatterjee and Anish Mukhopadhyay, Primus, New Delhi, pp. 176-186, ISBN 978-93-84082-39-0
- 2015: *Dams, Development and Environment: A Study of Damodar Valley Corporation Region*; (with S. Halder) in Ravi S. Singh (ed.) Resource Use, Development and Environment Interfaces and Implications, Y S Books International New Delhi, pp. 139-158, ISBN 93-83793-16-3

c) **Conference/ seminar volumes:**

- 2010: *Conflict of Deprivation and Development: A Case Study in the Jungle Mahal of West Bengal*; in E-proceedings of International Geographical Union (IGU) Commission Seminar, Cotton College, Guwahati
- 2011: *Evaluation of the Strategies for Generation of Mass Awareness in India Against Global Warming*; in the proceedings of National Seminar on Global

Warming and its Impact on Water Resources, Vol. 1, pp 111-118, Indian Association of Hydrologist, W. B. Regional Centre and Civil Engg. Dept., Jadavpur University.

- 2012: *Environment-Development Conflict in the Sundarban Region of West Bengal: Arguments for Certain Alternatives*; in S. Chatterjee (ed.) Community Awareness in Sundarban, Combat Physical & Social Hazard, acb Publications, Kolkata, pp. 18-24, ISBN 81-87500-59-X
- 2015: *Contemporary climate change: a brief review of the science in the context of the current world economy and polity*, in Sati, V. P. et al (eds.) Climate Change and Socio-ecological Transformation, Today and Tomorrow's Printers and Pub., New Delhi, pp. 101-105, ISBN 81-7019-518-3 (India) 1-55528-374-8 (USA)

- d) **Other publications:** More than 30 articles have been published so far in non-referred journals and popular magazines, edited books, monographs, news papers, etc. I have written foreword of three books published by reputed organizations/publishers. I have edited a book entitled 'Climate and Society- A Contemporary Perspective', published by the Dept. of Geography, CU in the year 2016.

11. **Membership of Learned Societies:**

- Life Fellow, The Geographical Society of India, Kolkata, and also the Assistant Secretary (Administration) since 2009
- Life Fellow, the Indian National Cartographic Association (Kolkata Chapter)
- Life Member, the Indian Science News Association, Kolkata
- Life Member, the Institute of Indian Geomorphologists, Allahabad and also the Executive Council Member (Joint Secretary, 2017-18)
- Life Member, the Himalaya Samiksha Parishad, Kolkata and also acted the Secretary and Vice President
- Life Member, the Geographical Association of Mizorum
- Executive Council Member, Indian Institute of Landscape Ecology and Ekistics
- Member, Indian Society for Remote Sensing, Kolkata
- Life Member, Indian Meteorological Society (Kolkata Chapter), and also its Secretary (2018-20)

12. **Patents:** Nil

13. **Invited lectures delivered:** More than 45 invited lectures delivered in regional, national and international seminars, conference, workshops and faculty development programmes organized by various colleges, universities and higher education institutions in India. I have chaired/ co-chaired of more than a dozen technical sessions of national/ international conferences.

14. **Awards:** National Scholarship, 1995; INSA Travel Grant 2012 for IGU Conference in Germany (Cologne).

15. **Other notable activities**

- Member UGBoS in Geography of CU, WBSU and SKBU.
- Member PGBoS in Geography of Bhairab Ganguli College, Rashtraguru Surendranath College, Sarsuna College, Bijoy Krishna Girls' College, CU, UGB and SKBU.

- Member of Ph D Research Advisory Board of CU, SKBU, CPBU and Mizoram University, JU, IEST
- I have organized a dozen of national/ international workshops, seminars and conferences as coordinator or an active member of the organizing committees.
- I have remained advisor to the Students' Geographical Association, Department of Geography, CU. I am also advisor to various associations of Geography teachers of different academic levels and research scholars.
- I have been a reviewer of the Geographical Review of India, Kolkata; International Journal of Spatial Hydrology; Arabian Journal of Geomorphology, and many other academic journals of repute.
- I have been an examiner of PG, M. Phil and Ph. D. dissertations/ theses of a number of central and state universities of India, including JNU, Guwahati University, Tripura University, The University of Burdwan, Vidyasagar University, Visva Bharati, Allahabad University, IEST, etc.
- I have acted as a member of different selection committees for appointment of teachers of colleges and universities.
- I have been a paper setter, moderator, examiner and advisor of various agencies/ boards/ councils and universities in India.
- Member of the Advisory Committee of the Advanced Research Centre in Human Geography, Lady Brabourne College, Kolkata
- Member, M. Phil Committee of IDSK, Kolkata.
- Member, Academic Advisory Committee, CUES, University of Calcutta
- Member of the Academic Council, and also PGBoS of Panskura Banamali College (Autonomous), Purba Medinipur.
- Chairman of the High Power Committee to evaluate manpower/ restructuring of NATMO, 2018-19.
- Presently I am the Hony. Editor of the *Indian Journal of Landscape Systems and Ecological Studies* of Indian Institute of Landscape, Ecology and Ekistics (ILEE), Kolkata.