

Dr. RANJAN KARMAKAR

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Research & Teaching Interests:

Social Geography, Geographies of Healthcare, Population Studies (Migration, Maternal & Child Health, Aging), Education, Employment, Regional Development

Professional Experiences:

- Guest Faculty, Department of Geography, Jadavpur University, Kolkata, India (2023)
- Research Consultant, Centre for Budget and Governance Accountability (CBGA), New Delhi, Stationed at UNICEF- Kolkata Office (2022)
- Post Doctoral Fellow, International Institute for Population Sciences (IIPS), Mumbai, India (Nov, 2021–Nov, 2022)
- Young Professional, Labour Bureau, Chandigarh, Ministry of Labour and Employment, Govt. of India, India (Jan, 2021–Nov, 2021)
- Research Associate in ICSSR Project, Ravenshaw University, Cuttack, Odisha, India (Feb, 2020–July 2020)
- Guest Lecturer in Geography, Gour Mahavidyalaya, Maldah, West Bengal, India (Aug 2011–July 2012)

Education:

- Post Doctoral Researcher in Population Studies, International Institute for Population Sciences (IIPS), Mumbai, India (2021 – 2022)
Title of thesis: “*Determinants of Spatial Mobility for Treatment of Major Morbidities in India*”, Adviser: Professor R. B. Bhagat
- Ph.D. in Geography, Jawaharlal Nehru University, New Delhi, India (2014 – 2019)
Title of thesis: “*Dynamics of Patients’ Mobility for Treatment in India: A Case Study of Healthcare Hubs of NCT Delhi*”, Adviser: Professor S. Sinha
- M.Phil. in Geography, Jawaharlal Nehru University, New Delhi, India (2012 – 2014)
Title of thesis: “*Accessibility, Quality of Care and Utilization of Maternal and Child Healthcare Services in West Bengal with Special Reference to Uttar Dinajpur District*”, Adviser: Professor S. Sinha
- M.A. in Geography, University of North Bengal, West Bengal, India (2009 – 2011)
- B.A. (with Honours) in Geography, University of North Bengal, West Bengal, India (2006 – 2009)

Skills:

- Expertise on NSSO, NFHS, IHDS, LASI, PLFS, HMIS, DLHS, U-DISE unit level data

- Conducting and designing primary survey tools, managing field surveys, data quality check
- Software proficiency: STATA, SPSS, R (for statistical analysis), ARC-GIS & QGIS (for mapping & spatial analysis)
- Languages: English (proficient), Bengali (native), Hindi (proficient)

Journal Publications (peer reviewed):

1. Karmakar, R., Reddy, U.S. and Bhagat, R.B. (2024): Understanding patients' mobility for treatment seeking in India. *Scientific Reports, Springer Nature, 14, 1887. DoI: <https://doi.org/10.1038/s41598-023-50184-3>*
2. Dakua, M., Karmakar, R. and Lhungdim, H. Social capital and well-being of the elderly 'left-behind' by their migrant children in India. *BMC Public Health 23, 2212 (2023). <https://doi.org/10.1186/s12889-023-17012-9>*
3. Karmakar, R., and Behera, B. (2022): Geographical inequalities in access to public healthcare facilities in rural West Bengal: exploring major health system challenges, *Journal of Rural Development, NIRDPR, Volume: 41, No. 1, pp 50-63, ISSN: 0970-3357 (print) 2582-4295 (online), DOI: <https://doi.org/10.25175/jrd/2022/v41/i1/172462>*
4. Dakua, M., Karmakar, R. and Barman, P. (2022): Exposure to indoor air pollution and the cognitive functioning of elderly rural women: a cross-sectional study using LASI data, India. *BMC Public Health 22, 2272. Pp. 1-11 DOI: <https://doi.org/10.1186/s12889-022-14749-7> ISSN: 1471-2458*
5. Debsarma, D., Karmakar, R., and Saha J., (2022): Trends and determinants in the utilization of maternal healthcare services in West Bengal, India: Findings from the 3rd and 4th round National Family and Health Survey, *Midwifery, Volume 112, ISSN 0266-6138, <https://doi.org/10.1016/j.midw.2022.103387>*
6. Biswas, SS and Karmakar R. (2022): Determinants of hand-hygiene practices in India: reflections from the 76th round National Sample Survey, 2018, *Journal of Water & Health, Vol 20, No 1, 68-82, <https://doi.org/10.2166/wh.2021.140> ISSN 1477-8920*
7. Mondal S, and Karmakar R. (2021) Caste in the time of Covid-19 Pandemic, *Contemporary Voice of Dalit, 0(0). pp 1-8, Online ISSN: 2456-0502 <https://doi.org/10.1177/2455328X211036338>*
8. Karmakar, Ranjan, Biswas, SS and S Sinha (2021) Public Health System in India and the Contemporary Challenges, *Population Geography, Vol. 43 & No. 1, pp- 117-132, ISSN. 0256-5331*
9. Karmakar, R and S Sinha (2018) Exploring determinants of child health status in West Bengal with special reference to Uttar Dinajpur, *Hill Geographer, Vol. XXXIV & No. 2, pp 1-19, ISSN. 0970-5023*
10. Barman, P., Dakua, M., Karmakar, R., Roy, A. (2023): Mass media exposure moderates the association of education and wealth with enrollment in health insurance among older adults aged 60 years and older in India, *Journal of Aging & Social Policy, (Revision complete, In progress).*

Book Chapters

1. Karmakar, R and Debsarma, D. (2022): "Barriers in Utilization of Maternal Health Care Services in Rural Uttar Dinajpur, West Bengal, A Qualitative Ground Level Assessment", in

Health Disparities in India (Eds. S. Roy Chowdhury, N. Islam and D. Chakraborty), Allied Publishers, New Delhi; ISBN 978-93-90951-40-6, pp 15-33

2. Karmakar, R, D. K. Tygaae and Behera, B. (2018): “Understanding the Inequality in Access to Education among the Persons with Disabilities in India: A State Level Analysis”, in *Disability and Inclusion- From Rationale to Reality* (Eds. M. Begum and R Sarkar), Adhyayan Publishers, New Delhi; ISBN 978-81-8435-469-0, pp 57-80
3. Karmakar, R (2015), “Spatial Disparities in Public Health Care Infrastructure in Uttar Dinajpur, West Bengal”, in *Issues on Rural Livelihood in India* (Ed. P. Chauhan), Readers Service, Kolkata, ISBN 978-93-82623-12-0, pp. 166-188
4. Chouhan, P., Karmakar, R and Roy, M. (2012), “Gender Discrimination & Status of Women in Dakshin Dinajpur District with Special Reference to Education, Employment and Empowerment” in *Changing Society, Culture and Its Impact on People (Bilingual)* (Eds. Bag K. and Chakraborty, K.), Rupasi Bangla, Kolkata, ISBN 978-81-909878-9-9, pp. 120-129

Professional Activities:

Reviewer of Journals:

Social Indicators, SSM-Public Health, Aging and Health Research, Ageing International, Children and Youth Services Review

Invited Talks:

2017: Special Lecture under Inter College/ University faculty exchange Programme on ‘Counselling and motivating the under graduate students for appearing other university P.G. entrance exams and discussion on other career options as Geographers’, Sitalkuchi College, Cooch Behar, West Bengal

Select Conference/Seminar Presentations:

- 2022:** Dynamics of spatial mobility of patients in India: A case study of Rashtriya Swasthya Bima Yojana (RSBY), Population, Health and Sustainable Development, organized by IIPS, Mumbai, March 10-12,2022
- 2019:** Examining Sustainability of Insurance Schemes for Universal Health Coverage: A Critical Appraisal of ‘Swasthya Sathi’ Health Insurance Scheme of West Bengal, India, Geography as spatial science: contemporary issues and challenges, organized by Department of Geography, Aliah University, in collaboration with Foundation of Practicing Geographers, Kolkata at Aliah University, Kolkata, March 08-09,2019
- 2018:** Does Patient’s Mobility for Treatment Induced by insurance Coverage? A Case Study of RSBY for selected states of India, 16th Annual Conference of the Indian Association for Social Sciences and Health (IASSH) in collaboration with Centre for the Study of Regional Development, SSS, JNU New Delhi, at JNU, New Delhi, December 10-12, 2018
- 2017:** Delineating Deficits in Healthcare Infrastructure in India: A Primary Barrier to Universal Access to Healthcare, 38th Annual Conference of Indian Association for the Study of Population, at Andhra University, Visakhapatnam, December 20-22, 2017

2015: Rights of the Disabled to Employment and Political Economy of Exclusion in India, National Seminar on Population, Health and Inclusive Development in India, Indian Institute of Population Sciences (IIPS), Mumbai and IPHF, Ahmedabad, at IPHF, Ahmedabad, February 25-27, 2015

Participation in Workshops/E-Learning Courses:

- Certificate Course in R Programming (Online), Conducted by NIELIT, MMMUT Campus, Gorakhpur, MEITY, Govt. of India, 16th March 2021 – 19th April 2021
- Geospatial Technologies and Applications (3 Months Regular Course), conducted by National Remote Sensing Centre (NRSC), Hyderabad, ISRO, Government of India, 4th November 2019 to 24th January 2020
- Basics of Remote Sensing, Geographical information System and Global Navigation Satellite System, conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Government, of India, 22nd August – 18th November 2016
- Geospatial Technologies for Urban Planning, conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Government of India, 11th Feb -15th March 2016
- Research Methodology Course in Social Sciences, organized by Centre for the Study of regional Development, Jawaharlal Nehru University and sponsored by Indian Council of Social Science Research, 25th April – 05th May, 2016
- Qualitative Research Methods for Inter-Disciplinary Research, TERI University, New Delhi, India, 07-08 April, 2016
- Winter School on Statistical Data Analysis Methods, organized by Interdisciplinary Statistical Research Unit (ISRU), Indian Statistical Institute, Kolkata, February 16-20, 2015

Academic Awards:

- Awarded Post-Doctoral Fellowship in Population Studies at International Institute for Population Sciences, Mumbai, by Ministry of Health and Family Welfare, Government of India, 2021
- Qualified UGC National Eligibility Test & Junior/Senior Research Fellowship (NET-JRF) for lectureship in Geography, June 2012
- Merit-Cum-Means scholarship for both under graduation and post-graduation courses (2006-11) from Uttar Banga Unnayan Parshad, Government of West Bengal

Membership

- Indian Society of Remote Sensing (ISRS), Dehradun, Life Member, LM No. L-5470, Website: <https://www.isrs-india.org/>
- Geographical Society of the North-Eastern Hill Region, Shillong, Meghalaya, Life Member, LM No. L-423, Website: <http://www.hillgeographer.in/>
- Association of Population Geographers of India, Chandigarh, Life Member, Website: <http://apgichd.com/index.php> , LM No. 368
- IIPS Alumni Association (IIPSAA), Mumbai, Maharashtra, Life Member, Website: <https://iipsalumniwebsite.wixsite.com/home>

Additional Information:

- Date of Birth: April 02, 1988

- Nationality: Indian
- Gender: Male
- Marital Status: Married