

Mr. KANCHAN PAIRA

CONTACT INFORMATION

Assistant Professor & HOD
Department of Geography, Hijli College
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West Bengal, India-72306

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Email: pairakanchan002@gmail.com

EMPLOYMENT:

Hijli College
Assistant Professor, August 2020 to till date

EDUCATION:

PhD pursuing from Department of Population studies,
F.M. University, Balasore.

Proposed work: *Environmental Disruption, Migration and Livelihood:
An Empirical Study in Sagar Island Of Westbengal, India*

M.Phil

(from Department of Population Studies, F.M University, Balasore)
Project: *Food Security and Health status among the Rural Households of
Gopiballavpur-II Community Development Block, Jhargram
District of West Bengal, India*

M.A in Geography and Environment Management with specialization
in Urban Geography and Regional Planning,
(from Vidyasagar University, 2011)

RESEARCH PROFILE	
Research Experience (if any)	2years
Area of Research Interest	Population and health, Demography, Regional disparities in Family planning, Environmental disruption and Migration, Urban morphology, Poverty, Social Deprivation and Disparities, Regional inequalities and livelihood

TEACHING		
EXPERIENCE IN TEACHING (In Years)	1 Year (Under-graduate)	
Courses taught till now		
Semester	B.Sc (Honours)	B.Sc (General)
1 st	<ul style="list-style-type: none"> Earth's interior with special reference to seismology. Isostasy: Models of Airy and Pratt Karst landforms: Surface and sub-surface, Aeolian and fluvio-aeolian processes and landforms Maps: Classification and types. Components of a map Basic concepts of surveying and survey equipment: Prismatic compass, dumpy level Survey of India topographical maps: Reference scheme of old and open series. Information on the margin of maps Delineation of drainage basin from Survey of India topographical map. relative relief map, slope map (Wentworth), and stream ordering (Strahler) on a drainage basin Correlation between physical and cultural features from Survey of India topographical maps. using transect chart 	<ul style="list-style-type: none"> Earth's interior with special reference to seismology Plate tectonic theory

2 nd	<ul style="list-style-type: none"> • Social morphology and rural house types in India • Types and patterns of rural settlements • Types and patterns of urban settlements • Preparation and interpretation of large scale thematic maps: Landuse landcover maps • Preparation and interpretation of large scale thematic maps: Socio-economic maps • Traverse survey using Prismatic Compass • Levelling by Dumpy Level and Prismatic Compass • Thematic maps: Proportional squares, Choropleth 	<ul style="list-style-type: none"> • Rural and urban settlement: pattern, types and distribution • World urbanization
3 rd	<ul style="list-style-type: none"> • Tropical and mid-latitude cyclones • Circulation in the atmosphere: Planetary winds, jet stream, index cycle • Monsoon circulation and mechanism with reference to India • Importance and significance of Statistics in Geography. Discrete and continuous data, population and samples, scales of measurement (nominal, ordinal, interval and ratio), sources of data • Collection of data and formation of statistical tables • Sampling: Need, types, and significance and methods of random sampling • Association and correlation: Rank correlation, product moment correlation • Regression (linear and non-linear) and time series analysis (moving average) • Regional Problem: Darjeeling Hills, Jangalmahal and Sundarban 	
4 th	<ul style="list-style-type: none"> • Concept and classification of economic activities • Factors affecting location of economic activity with special reference to agriculture (Von Thunen), and industry (Weber). • Primary activities: Subsistence and commercial agriculture, forestry, fishing and mining • Tertiary activities: transport, trade and services • Transnational sea-routes, railways and highways with reference to India • Preparation of questionnaire for perception survey on environmental problems • Preparation of check-list for Environmental Impact Assessment of an urban / industrial project • Quality assessment of soil using field kit: pH and NPK • Interpretation of air quality using CPCB / WBPCB data • Geographic Enquiry: Definition and Ethics; Literature Review; Framing Research Questions, Objectives and Hypothesis; Preparing Sample Questionnaires and inventories • Data Collection: Type and Sources of Data; Methods of data Collection; Data Input and Editing • Data Analysis: Qualitative and Quantitative Analysis; Techniques Data Representation • Structure of a Research Report: Preliminaries; Text; Citation, Notes, References, Bibliography and Abstract and Key words. 	

5 th	<ul style="list-style-type: none"> ● Fieldwork in Geographical studies – Role and significance. Selection of study area and objectives. Pre-field preparations. Ethics of fieldwork ● Field techniques and tools: Observation (participant, non participant), questionnaires (open, closed, structured, non-structured). Interview with special reverence to focused group discussions. ● Field techniques and tools: Landscape survey using transects and quadrants, constructing a sketch, photo and video recording. ● Positioning and collection of samples. Preparation of inventory from field data. Post-field tasks. ● Research in Geography: Meaning, types and significance ● Literature review and formulation of research design ● Defining research problem, objectives and hypothesis. Research materials and methods ● Techniques of writing scientific reports: Preparing notes, references, bibliography, abstract and keywords ● Rural Settlement: Definition, nature and characteristics of rural settlements ● Morphology of rural settlements: site and situation, layout-internal and external ● Functional classification of cities: Harris, Nelson and McKenzie ● Urban morphology: Classical models-Burgess, Homer Hoyt, Harris and Ullman Metropolitan concept. 	
6 th	<ul style="list-style-type: none"> ● Concept of Disaster Management: Flood, Coastal / riverbank erosion, Fire ● Factors or soil formation. Man as an active agent of soil transformation. ● Soil profile. Origin and profile characteristics of Lateritic, Podzol and Chernozem soils ● Definition and significance of soil properties: Texture, structure and moisture, ● Definition and significance of soil properties: pH, organic matter and NPK ● Soil erosion and degradation: Factors, processes and mitigation measures ● Principles of soil classification: Genetic and USDA. Concept of land capability and its classification. ● City- Region ● Theories of city structure-concentric zone theory, sector theory, multiple nuclei theory ● Urban Issues: problems of housing, slums, civic amenities (water and transport) ● Patterns and trends of urbanization in India ● Policies on urbanization. Urban change/landscape in post-liberalized period in India 	

Achievements (Academic and Extra-curricular)

- ❖ Qualified UGC-NET (Dec-2013, June-2014, Dec-2014, Jan-2017)
- ❖ Qualified WBSET (2013)
- ❖ Qualified CTET (Feb-2015 & Sept-2015)
- ❖ Army public school Eligibility Test (APS)

- ❖ ‘**School Inspector (SI)**’ of the West Bengal Subordinate Educational service under School Education Department, Govt. of West Bengal (Organized by Public Service Commission). (Have not joined)
- ❖ Certificate in Intra-University sports (Cricket) competition as extra-curricular activities (Awarded ‘Man of the Series’ both in the year of 2010 and 2011).

Computer Proficiency

- Certificate in CITA
- Statistical Packages: SPSS
- Mapping Packages: Quantum GIS (QGIS), Basics about ARC-GIS (ESRI)

Large Scale Data Handling

- NFHS-I,II,III,IV, V & DFHS
- Census of India
- NSSO

Participated in Workshop / Seminar/ Webinar

- 1) Two-day online Skill Development Programmes on ‘*Qualitative Research techniques and Analysis*’ organized by STAR (SIGMA Training and Action Research) Foundation, New Delhi on and from 10th July 2020 to 11th July 2020.
- 2) Four-day national level workshop on the ‘*Basic Statistics*’ organized by faculty of social sciences, B.J.R Government Degree college, Narayanaguda, Hyderabad, Telengana on and from 12th July to 15th July, 2020.
- 3) The International Virtual Seminar on ‘*Cyber awareness: strategies for safeguarding ourselves from cybercrimes and cyber attacks*’ organized by New Prince shri Bhavani arts and science college in collaboration with IQAC on 15th July, 2020.
- 4) The interactive online webinar on ‘*Trends and opportunities in Travel and Tourism Industry Post Covid Perspective*’ organized by Department of Commerce, Tourism & Management, Govt. City college, Hyderabad on 23rd July, 2020.
- 5) One day international webinar on ‘*India’s Ascent to become global player (Atma Nirbhar Bharat): opportunities for growth and transformation*’ organized by Faculty of social sciences, B.J.R Government college, Hyderabad on 3rd August, 2020.
- 6) National Webinar on ‘*Education at the time of the pandemic: seeing beyond the techno-managerial solution*’ organized by IQAC in association with Department of sociology, Silapathar college, dhemaji, Assam on 10th August, 2020.
- 7) One day international webinar on ‘*Covid-19 and its links with Biodiversity conservation: some facts and perspectives*’ organized by Department of ecology and environment sciences, Assam University, Silchar, on 14th August, 2020.
- 8) The International E-Conference entitled “*Impact of COVID-19 on Economy: Global and India*” organised by P.G. Department of Social Science, Fakir Mohan University, Balasore, Odisha In Collaboration with Indian Economic Association (IEA) on 14th August 2020
- 9) One-day National Webinar on “*Beyond the Boundaries: Saga of Burgeoning Urban, Eroded Coasts and Sustainability*” organized by the P. G. Department of Geography, Fakir Mohan University, held on 28th August, 2020
- 10) One day national level webinar on ‘*Recent trends in Geography*’ organized by Department of Geography & IQAC Radhabai Kale Mahila Mahavidyalaya, Ahmednagar, on 29th August, 2020.
- 11) International Webinar on ‘*Research in social sciences*’ organized by Department of geography, Nowgong Girl’s College, Nagaon, Assam, India on 30th August, 2020.
- 12) National webinar on ‘*Covid and sustainable development goals in the Indian perspective*’ organized by Department of geography, Magrahat College (West Bengal) on 31st August, 2020.

- 13) One day national webinar on *'Environmental problems and human adaptations'* organized by Department of Geography, Sukumar Sengupta Mahavidyalaya, Keshpur, on 2nd September, 2020.
- 14) One day National Webinar on *"Solid Waste Management And Garbage Free India During Pandemic Covid-19"* organized by National Service Scheme, Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur and Chaitanya College, Pamgarh on 4th September, 2020.
- 15) One day International webinar on *"Integrating Energy, Climate Change and Development"* organised by Department of Management, Mizoram University held on 8th September, 2020
- 16) National Webinar On *'Climate Change: Challenges and Prospects'* Organized by Department of Geography in Collaboration with IQAC, Dukhulal Nibaran Chandra College (West Bengal) on 18th September, 2020.
- 17) Two-day national webinar on *'Changing physical, economic and cultural landscape: Understanding the geographic processes and perspectives'* organized by Department of geography, K.D. college of commerce and general studies on 21st and 22nd September, 2020.
- 18) National Webinar on *'Major Issues of Research Methodology in Social Sciences'* Organized by Department of Geography, Department of Commerce & IQAC (HIRALAL BHAKAT COLLEGE Nalhati, Birbhum) on 24th September, 2020.
- 19) 21 days Online *'GIS Training Program using QGIS'* conducted by the Department of Geography, School of Earth Sciences, Central University of Karnataka, India, jointly with State Institute of Urban Development on and from 7th to 27th September, 2020.
- 20) One day International webinar on *'Mainstreaming DRR and the Role of youth'* of the event 'DRR Week 2020' organized by Resilient Bangladesh on 7th October, 2020.
- 21) Workshop on *'Navigating change with Anticipatory Governance'* of the event 'DRR Week 2020' organized by Resilient Bangladesh on 10th October, 2020.
- 22) One day International webinar on *'Flood Resilience: Opportunities and challenges'* of the event 'DRR Week 2020' organized by Resilient Bangladesh on 13th October, 2020.
- 23) One day national level online workshop on *'Creation of educational videos with video editor'* organized by Tumkur University teachers educators (B.Ed) association®. (Tutea) Tumkur, Karnataka on 18th October, 2020.
- 24) One day national level webinar on *'Art of writing Research Paper'* jointly organized by Govt. First Grade College and Centre for PG Studies and IQAC in association with Department of PG Studies in Commerce on 20th October, 2020.
- 25) National Webinar on *'Contemporary Issues in Geography'* organized by the Department of Geography, Manbhum Mahavidyalaya in coordination with the IQAC of the college on 28th November, 2020.
- 26) National Webinar on *'Impact of COVID-19 on Indian Tourism Industry'* organized by Department of Geography and commerce, I.C.S College of Arts Commerce and Science, Khed, Ratnagiri (M.S) on 09th January, 2021.
- 27) One Day Online National seminar on *'Role Of Earth Sciences In Nature & Human Interaction'* organized by the Department of Geography, SHANKARRAO CHAVAN MAHAVIDYALAYA, ARDHAPUR, DIST. NANDED (Maharashtra) on 23rd January, 2021
- 28) National Level Quiz competition on *"Save Water for Future"* during World Water Day-2021 Celebrations Organized By, Senior Geologist, Groundwater Surveys and Development Agency, Aurangabad, (M.S) and in Collaboration with Geotech GIS Training Institute & Consultancy Services, Aurangabad (M.S) on 4th February, 2021.
- 29) International conference on *'Geospatial technology for sustainable development'* jointly organized by Department of studies in Geography (Mysore) and International geographical union (IGU) on and from 5th to 6th February, 2021.
- 30) One day national seminar on *'Water Resource Management Using Geospatial Technology (WRMGT-2021)'* organized by Department of Geography, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur (MS) on 8th February, 2021.
- 31) National Webinar *'Tourism in India: Explore the Unexplored'* organised by Department of Geography in association with IQAC (Deccan Education Society's Kirti M. Doongursee College) on 3rd March, 2021
- 32) Five days online national level faculty development programme on *'Statistical Applications using SPSS Software'* organized by G.L. Education Foundation (G.L. Research Academy: aim for excellence) from 15th to 19th March, 2021.

- 33) National Online Faculty Development Programme on ‘Importance of Literature Review in Quality Research’ organized by P.G. Department of Economics & FDP Cell (under the aegis of IQAC), Arya P.G. College, Panipat (Haryana) on 17th April, 2021
- 34) Six days online National level faculty development programme on ‘*Statistical Applications Using SPSS Software*’ organized by G.L. Education Foundation (G.L. Research Academy: Aim for excellence) from 12th to 17th April.
- 35) One day national level webinar on ‘*New education era post COVID-19*’ organized by Academic Journal of Excellence (ISSN: 2349-591X) Bathinda-151001 PUNJAB on 18th April, 2021.
- 36) National level ‘*World Earth Day Quiz*’ Organized by Department of Commerce [Computer Applications], SHRI KRISHNASWAMY COLLEGE FOR WOMEN on 22nd April 2021.
- 37) 5 Days National level Online Training Programme on ‘*ArcGIS & Its Application*’ organized by the International Institute of Geospatial Science & Technology (IIGST) in association with DPM’s Shree Mallikarjun & Shree Chetan Manju Desai College, Canacona-Goa, on and from 5th to 9th May, 2021
- 38) The virtual celebration of *World Environment Day* Celebrated by Department of Geography, Malda College in collaboration with Department of Geography, Malda Women’s College, Malda on 5th June, 2021
- 39) Two Weeks National Level Capacity Building Programme on ‘*GEOSPATIAL TECHNOLOGY IN RESEARCH AND DEVELOPMENT*’ organised by International Institute of Geospatial Science & Technology (IIGST) on 13 - 26 June 2021
- 40) Three Days National Level Capacity Building Programme on ‘*GOOGLE EARTH ENGINE & MOBILE GNSS*’ organised by International Institute of Geospatial Science & Technology (IIGST) on and from 10th – 12th July, 2021.

Talks Delivered

- 1) On ‘*Application of Chi-square and Binary logistic regression in SPSS software*’ in the workshop programme (One-week online) on ‘*Data Analysis with SPSS*’ organized by the Department of Geography, Bodoland University, Kokrajhar, Assam held during 4th to 10th July, 2020.
- 2) On ‘*Harmonization of Body Mass Index With Socio-Economic Status and Crop Diversification among the Rural Women of Gopiballavpur-II Community Development Block, Jhargram District of West Bengal, India*’ in the International conference on ‘*Recent trends in Bioprocessing for healthcare, energy and environment*’ organized by Department of Biosciences and Bioengineering, Indian Institute of Technology (IIT), Guwahati, Assam during 9th to 11th December, 2017.
- 3) On ‘*Environmental disruption, migration and livelihood in Sagar island of West Bengal, India*’ during PhD programme organized by Department of Population Studies, F.M University, Balasore, Odisha on 28th June, 2021.

Books/Paper/Article Publication

Book:

Kanchan Paira (2020), Food Security and Nutritional status among the Rural Households’ Lap Lambert Academic Publishing, ISBN-13: 978-613-9-46147-9, ISBN-10: 6139461472, <https://www.lap-publishing.com/>

Journals:

Paira.K., & Majhi. R., (2020), 'A General Analysis of Changes and Problems of Patachitra as a Livelihood. *Journal of Humanities and Social Sciences Studies*, 2(4), 170-180. ISSN: 2663-7197

Paira, K. (2021). Impact of Covid-19 Pandemic on Students' Liveliness and Academic Progress: An E-survey Based Analysis in India, *Ensemble*, Special Issue No. 1, ISSN 25820427 (Online), <https://doi.org/10.37948/ensemble-2021-sp1-a008>

Paira.K and Ao. M, The Scenario of Per Capita Daily Calorie Consumption of the Rural Households and its Dependency on Various Socio-Economic And Demographic Influencers in newly form Jhargram district of West Bengal, India. Current status: ***Under Review***

Paira.K and Ao. M, "Use of family planning and unmet need among currently married women of Jangalmahal and Kolkata, India". Current status: ***Under review***

Paira.K and Ao. M "Linkages between crop diversification and child malnutrition in rural Jhargram, West Bengal, India". Current status: ***Under review***

Participated in Other (special) programme

- 1) Participated in '***Spit-free India Movement***' during June-August, 2020 to prevent the spread of COVID-19 organized by National service scheme.

I do hereby declare that the above statements are true to the best of my knowledge.

Place: Hijli college, Kharagpur

Date: 29/11/2021

MR. KANCHAN PAIRA
(Assistant professor and H.O.D)
Department of Geography
Hijli College