

**Papia Raj, PhD (McGill)**

Associate Professor, Department of Humanities and Social Sciences, Indian Institute of Technology Patna

Phone: +91- 7739841963 (Mobile) E-mail: [praj@iitp.ac.in](mailto:praj@iitp.ac.in), [papia.raj@gmail.com](mailto:papia.raj@gmail.com)

**ACADEMIC QUALIFICATIONS**

Doctor of Philosophy (Ph.D.): Department of Geography, McGill University, Montreal, Canada

Master of Philosophy (M.Phil): Population Studies, Centre for the Study of Regional Development, Jawaharlal Nehru University, New Delhi, India

Master of Arts (M.A.): Centre for the Study of Regional Development, Jawaharlal Nehru University, New Delhi, India

Bachelor of Science (B.Sc): Geography (Hons): Loreto College, University of Calcutta, India

**PREVIOUS WORK EXPERIENCE**

Associate Professor (Dec. 2019- ) Indian Institute of Technology Patna, India

Assistant Professor (2013- Nov. 2019) Indian Institute of Technology Patna, India

Research Associate (2011- June 2013) Public Health Foundation of India, Patna

Faculty (2010-2011) Central University of Bihar, Centre for Development Studies, Patna

Post-doctoral Fellow (2009-2010) Youth Sexual Health Team, University of British Columbia, Canada

Research and Teaching Assistant (2006-2008) Department of Geography, McGill University, Canada

**PROJECTS FUNDED**

Educational Interventions for development in Bihar (**Co-PI**, PI-Aditya Raj, Indian Institute of Technology Patna, funded by SPARC -Scheme for Promotion of Academic Research and Collaboration, Ministry of Human Resource Development, GoI), 2023-2025

Analysing health status of transgender community in Bihar (**PI**- funded by Indian Council for Social Science Research- ICSSR under Major Research Project), 2023-2025

Working, efficiency, and effectiveness of women police personnel in Bihar (**PI**- funded by National Commission for Women, New Delhi), 2023-2024

- 1) College readiness and student success in higher education in India (**Co-PI**, PI-Aditya Raj, Indian Institute of Technology Patna, funded by National Institute of Educational Planning and Administration (NIEPA), New Delhi) 2022-2024
- 2) mHealth technologies for gender empowerment in Bihar (**PI**- funded by Indian Council for Social Science Research- ICSSR under IMPRESS Scheme) 2019-2021
- 3) **Course coordinator** of CEP short term course “Health Informatics” (9th-10th January, 2020), Indian Institute of Technology Patna
- 4) **Co-coordinator** of CEP short term course “Principles and Practices in Social Research” (Course coordinator Dr. Aditya Raj, May 2019) Indian Institute of Technology Patna
- 5) **Course coordinator** for Global Initiative of Academic Networks (**GIAN**) course on “Waste Management and Health Care” (funded by Ministry of Human Resource Development, Government of India) December 2018
- 6) Waste Management Training to Reduce Health Hazards of Solid Wastes in Patna (**PI**, funded by the Centre for Energy and Environment, IIT Patna) 2014-2017
- 7) Barriers to Emergency Contraception Use among Ethnic Communities in British Columbia, Vancouver (**Consultant**, PI- Judith Soon, Faculty of Pharmaceutical Sciences, UBC, Vancouver) Youth Sexual Health Team 2010-2012
- 8) Globalization and Employment Systems: Evidence from Call Centres (**Collaborator**, PI- Danielle van Jaarsveld, Sauder School of Business, UBC, Vancouver) SSHRC International Opportunities Fund, Canada, 2009-11
- 9) Analysing impacts of call centre employment in India (Internal: Social Sciences and Humanities Research Council Grant, McGill University) 2004
- 10) Analysing impacts of call centre employment in India (Roger Warren Fieldwork Fund, McGill University) 2004
- 11) Gender aspect of call centre employment in India (Margarett Gillett Graduate Research Award, MCRTW, McGill University) 2004

**SELECTED AWARDS, HONORS, AND FELLOWSHIPS**

Best e-poster award (2017): Indian Public Health Association

Canadian Association of Population Therapeutics Grant (2010)

Postdoctoral Fellowship (2008-2010): School of Population and Public Health, University of British Columbia

Postdoctoral Trainee Award (2009): NEXUS Research Unit, University of British Columbia

Canadian Commonwealth Fellowship (2002-2006) for PhD (Availed at McGill University)

Best Student Paper Award (2006): Association of American Geographers

Prof. M.K. Thavraj Award (2001): Jawaharlal Nehru University for securing highest grade points in M.Phil.

Chandra Shekharan Award (2000): Given to best young demographer by Indian Association of Population Studies (IASP)

Junior Research Fellowship (1999): University Grants Commission, India, Human Geography

National Scholarship (1997): Calcutta University for securing high rank in merit list of B.Sc.

### **COURSES TAUGHT**

#### **IIT Patna:**

HS232 Health Care Management,

HS234 Introduction to Demography

HS332 Globalisation and Social Change

HS733 Population and Public Health

HS731 Social Research Design and Practice (Quantitative methods)

HS712 English for Research Skills

HS102 Communication Skills,

#### **CUB Patna:**

Public Health,

Gender and Development,

Research Methods (Quantitative methods),

Quantitative methods and computer applications (Level I & II),

Thesis proposal and literature survey

McGill University, Montreal: GEOG210 Global Places and People

### **REPRESENTATIVE PUBLICATIONS**

#### **BOOK:-**

**Raj, Papia** and Aditya Raj (2023). *Discard Studies in India: A Case of Patna*. Kalpaz Publications, ISBN: 9357222774

#### **Journal articles:**

Raj, Aditya and **Papia Raj** (2023). "Contextual health education for better health seeking behaviour during Covid pandemic in Bihar, India." *Global Dialogue*, GD13.2, The International Sociological Association.

Roy Pakadhar, Tribarna and **Papia Raj** (2023). "Spatial variation of Maternal and Child health care utilization among Scheduled Castes women in India: A systematic review." *Health and Population: Perspective and Issues*, Vol. 46 (1).

Gupta, Nilanjana and **Papia Raj** (2023). Tobacco Cessation Among Youths in Eastern India: Evidence from National Family Health Survey 2015–2016. *Journal of Population and Social Studies [JPSS]*, 31, 403-416

**Raj, Papia** and Nilanjana Gupta (2022). "A systematic review of maternal health studies based on NFHS in India." *Public Health Reviews*, Vol.44

**Raj, Papia** and Puja Krishna (forthcoming 2023). "Social implications of In-Vitro (IVF) on women in India", *Indian Journal of Gender Studies*, Vol. 30(3)

Raj, Aditya and **Papia Raj**, Bihar's need of the hour: focus on detailed migration studies, Times of India, Patna (Page-Education is Power) June, 10, 2022

**Raj, Papia** and Aditya Raj, Gender and development are closely intertwined in Bihar, Times of India, Patna (Page-Education is Power) June, 24, 2022

Raj, Aditya and **Papia Raj**, Youth are the fulcrum of development in Bihar, Times of India, Patna (Page- Education is Power) July, 26, 2022

Raj, Aditya and **Papia Raj**, Network Stars in Community Education: A Study from Bihar, *Mainstream*, Vol. LX. No. 25, New Delhi, [June 11](#), 2022

**Raj, Papia** and Aditya Raj (2021). "Towards Creating A Parallel Pandemic due to Mis-Management of Wastes in Patna", *Mainstream*. Vol. LIX(32), 24th July

Gupta, Puja and **Papia Raj** (2020). "Lifestyle Diseases among Girl Child in Urban India", *Indian Journal of Public Health Research and Development*. Vol. 11(1): 506-510

**Raj, Papia** and Nayak, K.V. (2018). "Health Status and Health Seeking Behaviour of Oraon Female Adolescents in Jharkhand." *International Journal of Social Science*, Vol. 7(3): 387-397

**Raj, Papia** and Nayak, K.V. (2018). "Health and culture nexus among Oraon female adolescents in Jharkhand." *Jharkhand Journal of Development and Management*, XISS, Ranchi. Vol. 16(3):7781-7796.

**Raj, Papia & Srishti** (2018). "mHealth as an effective medium for improving maternal health in Bihar." *Amity Journal of Health Care Management*, Vol. 3(1): 14-27

Raj, Aditya & **Papia Raj** (2018). "The glocal paradox: waste production in Patna" IN Verma, M K., Globalisation, Environment, and Social Justice: Perspectives, Issues, and Concerns. London & New York: Routledge, pp 163-182

Srishti & **Papia Raj** (2018). "Potential of Health Informatics for Improving Maternal Health in Bihar." *Indian Journal of Public Health Research and Development* Vol. 9(2):156-160

- Singh, A. & **Papia Raj** (2018). Sustainable Recycling Model for Municipal Solid Waste in Patna. *Energy & Environment*. DOI: 10.1177/0958305X18787335
- Singh, A. & **Papia Raj** (2018). Segregation of Waste at Source Reduces the Environmental Hazards of Municipal Solid Waste in Patna, India. *Archives of Environmental Protection*. 44 (4). 96-110. DOI: [10.24425/aep.2018.122306](https://doi.org/10.24425/aep.2018.122306)
- Raj, Papia** & Anupama Singh (2017). "A Review of Municipal Solid Waste Management in Developing Countries". *International Journal of Environment and Development* Vol 14(2): 239-257
- Nayak, Vibhuti & **Papia Raj** (2017). "Perception of health among female adolescents of Oraon tribe in Jharkhand." *Indian Journal of Social Development* Vol. 17(1):81-95
- Raj, Papia** & Aditya Raj (2016). "International Call Centers: Consumptionscapes of Urban India". *Research Process* 4(1):22-31.
- Raj, Papia** & Aditya Raj (2015). "An Analysis of Waste Production in Patna". *International Sociological Association e Symposium for Sociology*, Vol 5(2): 1-13
- Raj, Papia** & Aditya Raj (2014). "Utilization of Maternal Health Care Services in Bihar" *Research Process* 2(1):1-11.
- Raj, Papia** & Aditya Raj (2013). Learning to Serve: An Analysis of English Language Training in Call Centres of India. *Language and Language Teaching* 1(2.4): 8-11.
- Raj, Papia**, Jean Shoveller & Cathy Chabot (2011). 'Health problems of outsourced workplaces: A study of call centres in New Delhi'. *Indian Journal of Social Development* 11(1): 221-236.
- Raj, Papia (2007) 'Call center job advertisements in India' IN *Media Literacy: A Reader* (eds.) Donaldo Macedo and Shirley R. Steinberg. New York: Peter Lang. 522-534.
- Raj, Papia** (2005) 'Pregnancy Complications and Health-Seeking Behaviour among Married Women in Uttar Pradesh, India' *Journal of Research and Practice in Social Sciences* 1(1): 48-63.
- Raj, Papia** & Aditya Raj (2004) 'Caste Variation in Reproductive Health of Women in Eastern Region of India: A Study Based on NFHS Data' *Sociological Bulletin* 53 (3): 326-346.
- Raj, Aditya & **Papia Raj** (2004) 'Linguistic Deculturation and the Importance of Popular Education among the Gonds in India' *Adult Education and Development* 62: 55-61.

#### **REPRESENTATIVE CONFERENCE PRESENTATIONS & INVITED LECTURES**

- "Spatial analysis of the impact of neighbourhood on women's health," International Geographical Union, thematic Conference, Haryana, November 2022
- "Prevalence and correlates of tobacco cessation among the youth population in eastern states of India," 11th International Conference on Population Geographies, Tokyo, August 2022
- "Gender & Development Discourse," Invited Lecture at Amity University, Patna, August, 2022
- "Challenges & Suggestions for Development of Bihar", Invited Lecture at Reserve Bank of India, August, 2022
- "Significance of contextual health education for better health seeking behaviour during Covid Pandemic in Bihar," 8th International Conference on Public Health, Sri Lanka, July, 2022
- "Gender and Reproductive Health", Invited lecture at Summer course on Gender and Development, A.N. Sinha Institute of Social Sciences, June, 2022
- "How to do fieldwork", Invited lecture at ICSSR sponsored Faculty Development Programs, A.N. Sinha Institute of Social Sciences, April, 2022
- "Scenario of youth migration in India," IIPS International Seminar, March, 2022
- "Women's Health: Issues and Challenges," Invited lecture at Patna Women's College, Patna University, 2021
- "Qualitative Inquiry," Invited lecture at Calcutta University, 2021
- "Research methodology and application of GIS tools in geography," Navigating Contemporary Research Methods, Patna Women's College, Patna University, 2020
- "Health and Culture Nexus among Indigenous Female Adolescents in Jharkhand, India," Invited lecture at Centre for Gender & Sexual Health Equity, University of British Columbia, 3rd June, 2019
- "Re-analyzing the role of International NGOs in the development discourse of Bihar, India", Canadian Association for the Study of Regional Development Annual Conference, University of British Columbia, 4-7<sup>th</sup> June, 2019
- "Anthropological & Sociological Perspective of Women Empowerment & Child Health", (invited panellist), Workshop on Exploring Link between Female Empowerment and Child Health, School of Medicine, University of Nottingham, UK & A. N. Sinha Institute of Social Studies, Patna, 18<sup>th</sup> March, 2019
- "Influence of non-governmental actors in maternal and child health sector of Bihar," 44<sup>th</sup> All India Sociological Conference, Mysure, India, 27-29<sup>th</sup> December, 2018
- "Understanding Women: The Gender Based Role Crisis," (Key note speaker), ICSSR sponsored National Conference, Muzaffarpur, Bihar, 24<sup>th</sup> November, 2018

“Intervention of NGOs in Public Health Sector of Bihar, India”, International Health Congress, Oxford, 28-30<sup>th</sup> June, 2018

“The Health Impacts of Solid Wastes in Patna, India” 10<sup>th</sup> Global Studies Conference, University of Singapore, 8-9<sup>th</sup> June, 2017

“mHealth as an effective medium for Improving Maternal health in Rural Bihar,” 15th World Rural Health Conference, New Delhi, 26<sup>th</sup>-29<sup>th</sup> April, 2018 (with Srishti)

“Exploring the Potential of Health Informatics as an approach for Improving Maternal Health in Bihar” (with Srishti), 61<sup>st</sup> Annual National Conference of Indian Public Health Association, AIIMS, Jodhpur, 24-26<sup>th</sup> February, 2017

“Sustainable Recycling Practices to Reduce Health Hazards of Municipal Solid Waste in Patna, India” (with Anupama Singh), 19th International Conference on Environment, Energy and Waste Management, Mumbai, 7-8<sup>th</sup> February, 2017

“The Challenge of Solid Waste Management and its Health Hazards in Patna”, 42<sup>nd</sup> All India Sociological Conference, Tezpur University, 27-30<sup>th</sup> December, 2016

“Health education: Need of the Hour” (with Dr. Aditya Raj), All India Sociological Conference, Tezpur University, 27-30<sup>th</sup> December, 2016

“The Global Paradox: Waste Production in Patna”, Globalization, Environment and Social Justice: Perspectives, Issues and Concerns, BBAU, Lucknow 15-16<sup>th</sup> February, 2016

“Health Policies for Adolescents in India”, International Conference on Contemporary Debates on Public Policy and Management, Indian Institute of Management Calcutta, 15-17<sup>th</sup> January, 2016

“Sustainable Recycling Model for Municipal Solid Waste in Patna” (with Anupama Singh), 5<sup>th</sup> International Conference on Advances in Energy Research, IIT Bombay, 15-17<sup>th</sup> December, 2015.

“Health Impacts of Solid Waste Management in Patna”, Global Warming and Threat to Human Existence, Human Rights Association of Bihar, Patna, 10<sup>th</sup> December, 2015.

“The Challenge of Solid Waste Management in Patna”, Association of American Geographies, Chicago, April 2015

“Health Hazards of Solid Waste in Patna”, All India Sociological Conference, Mahatma Gandhi Kashi Vidyapith, Varanasi, 29<sup>th</sup> Nov-1<sup>st</sup> Dec, 2014

“Evaluating Quality of Maternal Care Services Based on Women's Perceptions: A Case Study of Bihar, India”, World Congress of Sociology, Yokohama, Japan, July 2014

“Youth: Lifestyles, Vulnerabilities, and Education” (with Aditya Raj), World Congress of Sociology, Yokohama, Japan, July 2014

“Evaluation of ICPD in India”, Workshop on Capacity Building on Child Budget Analysis, Patna, 7-8<sup>th</sup> January, 2014.

“Public health data in India: Deficiencies & Remedies”, Human Development and Welfare Institute, SCADA Convention Center, Patna, 19<sup>th</sup> December, 2013.

“Virtual Diasporas” All India Sociological Conference, Karnataka Open State University, Mysore, 27-29<sup>th</sup> December, 2013.

“Health hazards of call centre employment on women in India” Women and Occupational Health: Stress, Hazards and Safety, UGC Sponsored National Seminar, Patna, 17-18<sup>th</sup> January, 2012.

“Health impacts of call centre employees in India” Association of American Geographers, Seattle, 12-15<sup>th</sup> April, 2011.

“Gender and Development: Human Rights Perspectives” Organised by the Human Rights Association of Bihar, Patna 27<sup>th</sup> Nov. 2010.

“Using GIS maps to interpret patterns of contraceptive use among youth across British Columbia” The Canadian Association for Population Therapeutics, Toronto, 28-30<sup>th</sup> March 2010

“Analysing the health impacts of globalised workplaces: A study of outsourced call centres in New Delhi, India” 12<sup>th</sup> World Congress on Public Health, Istanbul, Turkey 27<sup>th</sup> April-1<sup>st</sup> May 2009

“Who should we call for help?” Creating awareness about health consequences of call centre employment in New Delhi, India” NEXUS Spring Institute, Vancouver, 16-17<sup>th</sup> April 2009

“International call centers: Agents of socio-economic change in New Delhi” Association of American Geographers, Boston, 15-19 April, 2008

“Call Centres: Engines of Social Change in New Delhi” Association for Asian Studies, San Francisco, 6-8 April, 2006

“Call Centres Affecting Identity Change among Young Adults in New Delhi” Association of American Geographers, Chicago, 7-11 March, 2006

“Understanding International Division of Labour through a Study of Call Centres Located in the NCR of Delhi, India”, Canadian Asian Studies Association, Montreal, Canada, April 27 - May 1, 2005

“Social Inequalities Influencing Reproductive Health of Women: A Case Study of Caste System in India”, Annual Conference of Canadian Association of Geographers, Victoria, Canada, May 2003.

**Student Supervision:**

SL	Name of Student	Research Topic	Category	Status
1	Vibhuti Nayak	Culture and gender nexus in perception of health among female tribal adolescent.	Assistant Professor @Centre for Studies in Social Sciences, Calcutta	Degree awarded
2	Srishti	Role of health informatics to improve maternal health	Assistant Professor @ Banasthali Vidyapith, Rajasthan	Degree awarded
3	Anupama Singh	Health hazards of waste management	Project fellow	Thesis supervised
4	Puja Gupta	Lifestyle and health of children	Employed and Part-time	Thesis writing
5	Kundan Kumar	Surrogacy and medical tourism	Employed and Part-time. Assistant Professor @ Patna Women's College	Thesis writing
6	Puja Krishna	Health-seeking behaviour of families	Regular and fulltime- Institute Fellow	Fieldwork
7	Nilanjana Gupta	Reproductive morbidity among women in eastern states of India	Regular and fulltime- Institute Fellow	Fieldwork
8	Anwesha Sarkar	Neighbourhood and health	Regular and fulltime-UGC-JRF	Coursework completed
9	Tribarna Roypakadhar	Maternal and child health status among SC population	Regular and fulltime-UGC-JRF	Coursework completed
10	Ashwani Dubey	Public Health	Regular and fulltime- Institute Fellow	Coursework

**Seminars and workshops organised:**

Online lecture series on *Contemporary Development Debates* (Oct. 2021-Dec.2021) under ICSSR-IMPRESS Project  
e-Symposium on *Health Education: Need of the Hour* February 2021, under ICSSR-IMPRESS Project

Co-coordinator of workshop *Effective Pedagogy of Waste Management*, April 2015, Indian Institute of Technology Patna

Coordinator of workshop *Issues of Solid Waste Management in Patna*, Oct. 2014, Indian Institute of Technology Patna

**OTHER RELEVANT INFORMATION**

Unit writer for IGNOU (PG Diploma in Population and Family Health Studies)

2022

Country Faculty advisor to Elise Cooper (M.Sc student) at Guelph University, Canada through Shashtri Indo-Canadian Fellowship

2020-2021

Reviewer- Lancet Planetary health	2021- till date
Editorial Board- Frontiers in Public Health	2021- till date
Article Editor, <i>Sage Open Journal</i> .	2020 - till date
Reviewer, <i>Waste Management and Research</i> , Sage	2020 - till date
Invited Guest Editor, <i>Environmental Insights</i> , Sage	2019
Editorial Board, <i>Amity Journal of Health Care Management</i>	2017- till date
Professor-in-charge “Gender Inclusiveness Committee”	2017-till date
Indian Institute of Technology Patna, India	
Mentoring graduate (M.A. level) student from the Maastricht University, The Netherlands, conducting an quantitative analysis of sex under influence using Adolescent Health Survey data collected by McCreary Centre Society, Vancouver.	Summer 2009