

Md. Juel Rana, PhD

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Date of Birth: 26th April 1990

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Google Scholar <https://scholar.google.co.in/citations?user=kHHWOmgAAAAJ&hl=en>

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Career Summary

Dr. Rana is currently working as an assistant professor at the G.B. Pant Social Science Institute, Allahabad, Uttar Pradesh, India. Earlier he worked as a postdoctoral researcher at the Korea University, Seoul, South Korea for a project entitled “India Policy Insights”. He was also a fellow at the Geographical Insights Lab at Harvard Center for Population and Development Studies, Harvard T. H. Chan School of Public Health, Harvard University, USA. He has another postdoctoral research experience from the International Institute for Population Sciences, Mumbai, India for a project on data quality assessment of large-scale surveys in India. Before postdoctoral positions, he completed his M.Phil. and Ph.D. in Population Studies from the Center for the Study of Regional Development, School of Social Sciences, Jawaharlal Nehru University, New Delhi, India. He has Bachelor's and Masters's degrees in Geography from the T. M. Bhagalpur University, Bhagalpur, Bihar, India. He published nearly thirty research papers in peer-reviewed journals with international repute, four book chapters, one book review, and a couple of short communications and media articles in the domain of population health and development. Moreover, he presented more than twenty research outcomes in national and international seminars and conferences in the country and abroad. He has volunteered to review the research articles for around 25 international journals. He received five travel awards for attending international workshops and conferences abroad namely USA, South Africa, China, Indonesia, and Rwanda. The travel awards were granted by the Population Association of America (PAA), Asian Population Association (APA), International Union for the Scientific Study of Population (IUSSP), and the International Conference on Family Planning (ICFP). The career objective is to facilitate the process of self-enrichment in an academic and research position through channelizing energies in a positive direction and delivering the best possible services to the institution.

Academic Details

- 2020 **PhD**
Centre for the Study of Regional Development, School of Social Sciences, Jawaharlal Nehru University, New Delhi – 10067, India
Title of the thesis: ‘Family Planning in India, 1951-2016: Outreach, Contraceptive Use Dynamics and Returns’
- 2015 **MPhil**
Centre for the Study of Regional Development, School of Social Sciences, Jawaharlal Nehru University, New Delhi – 10067, India
Title of the dissertation: ‘Linkages between Family Planning and Nutritional Status of Women and their Children: Evidence from Select South Asian Countries’
- 2012 **Master of Arts (MA)** in Geography
University Department of Geography, Tilka Manjhi Bhagalpur University, Bhagalpur – 812007, India [First class first]
- 2010 **Bachelor of Arts (BA)** Honors in Geography
T.N.B. College, Tilka Manjhi Bhagalpur University, Bhagalpur – 812007, India [First class first]
- 2007 **Higher Secondary**
Manikchak Shikshaniketan High School, West Bengal Council of Higher Secondary Education (WBCHSE), West Bengal, India
- 2005 **Secondary**
Enayetpur E.A. High School, West Bengal Board of Secondary Education (WBBSE), West Bengal, India

Work Experience

- January 2022 to August 2022 **Postdoctoral Researcher**
Korea University, Seoul, South Korea
Affiliated Fellow at Geographic Insights Lab, Harvard Center for Population and Development Studies, T. H. Chan School of Public Health, Harvard University, USA
Project: India Policy Insights (A key initiative of NITI Aayog)
Funding Agency: Bill & Melinda Gates Foundation [BMGF]
PI: Prof. Rockli Kim & Prof. S. V. Subramanian
Responsibilities: Geographical data management and preparation of research articles on population, health and development issues in India
- July 2020 to December 2021 **Postdoctoral Fellow**
International Institute for Population Sciences, Mumbai - 400088
Project: Demographic and Health Surveys and its Quality in India: A Programme to Develop Survey Research
Funding Agency: Bill & Melinda Gates Foundation [BMGF]
PI: Prof. K. S. James
Responsibilities: Research on large scale data quality issues in India

March 2020 to July 2020	Senior Research Officer International Institute for Population Sciences, Mumbai - 400088 Project: Demographic and Health Aspects of India: A District Level Analysis Funding Agency: United Nation Population Fund [UNFPA] PI: Prof. K. S. James Responsibilities: Data analysis, mapping and writing
July 2019 to December 2019	Senior Research Officer International Institute for Population Sciences, Mumbai - 400088 Project: Youth in India: A National Family Health Surveys based Study on Sexual and Reproductive Health Aspects Funding Agency: United Nation Population Fund [UNFPA] PI: Prof. K. S. James Responsibilities: Data analysis and writing report
November 2018 to February 2019	Research Associate Jawaharlal Nehru University, New Delhi, India Project: Research Studies on Current and Emerging Issues: Population Dynamics and Sustainable Development Funding Agency: United Nation Population Fund [UNFPA] PI: K S James and Srinivas Goli Responsibilities: Data analysis and writing research paper
October 2017 to September 2018	Research Assistant Jawaharlal Nehru University, New Delhi, India Project: Family Planning: Monitoring, Learning and Evaluation PI: Dr. Srinivas Goli in collaboration with International Center for Research on Women (ICRW) Funding Agency: Bills and Melinda Gates Foundation (BMGF) Responsibilities: Data analysis, mapping and writing research paper
July 2016 to December 2016	Research Assistant Jawaharlal Nehru University, New Delhi, India Project: Eliminating Child Marriage in India: Progress and Prospects Funding Agency: ActionAid, New Delhi PI: Srinivas Goli Responsibilities: Data analysis, mapping and writing report
January 2016 to June 2016	Research Assistant Jawaharlal Nehru University, New Delhi, India Project: Social Differentiation and Spatial Segregation in an Urban Context: A Study of Varanasi PI: Bikramaditya K. Chaudhary Funding Agency: Indian Council of Social Science Research Responsibilities: Data analysis, mapping and writing research paper

Policy Documents/Dashboard for Central and State governments

- 2021 NFHS Policy Tracker for Districts. India Policy Insights, A key initiative of NITI Aayog. <https://www.niti.gov.in/india-policy-insights>. Stationed at the Geographic Insights Lab. Harvard Center for Population and Development Studies, Cambridge MA, USA. <https://doi.org/10.7910/DVN/NECYOE>
- 2020 Imdad, K. **Rana, M.J.** and Sahana, M. Effects of Saturday and Sunday Lockdown on Cumulative Covid-19 Cases in Uttar Pradesh during 1st July to 31st August 2020. Report submitted to the Uttar Pradesh State Disaster Management Authority, Lucknow, Uttar Pradesh.

Publications

Peer-reviewed Journals' Articles

- 2022 Singh, S.K., Sharma, S.K., **Rana, M.J.**, Porwal, A., Dwivedi, L.K. Effectiveness of modular approach in ensuring data quality in large-scale surveys: Evidence from National Family Health Survey – 4 (2015–2016). *SSM – Population Health*, 19 (September 2022), 101254, [\[https://doi.org/10.1016/j.ssmph.2022.101254\]](https://doi.org/10.1016/j.ssmph.2022.101254)
- 2022 Rajpal, S., Kumar, A., **Rana, M.J.**, Kim, R., Subramanian, S.V. Small area variation in severe, moderate, and mild anemia among women and children: A multilevel analysis of 707 districts in India. *Frontiers in Public Health*. [\[https://doi.org/10.3389/fpubh.2022.945970\]](https://doi.org/10.3389/fpubh.2022.945970)
- 2022 Pramanik, M.K., Chowdhury, K. **Rana, M.J.**, Bisht, P., Pal, R., Behera, B., Pal, I., Szabo, S., Padmadas, S.S. Climatic influence on the magnitude of COVID-19 outbreak: a stochastic model-based global analysis. *International Journal of Environmental Health Research (CIJE)*, 32(5):1095-1110.
- 2022 **Rana, M.J.**, Kim, R., Ko, S., Dwivedi, L.K., James, K.S., Sarwal, R., Subramanian, S.V. Small area variations in low birth weight and small size of births in India. *Maternal & Child Nutrition* [\[https://doi.org/10.1111/mcn.13369\]](https://doi.org/10.1111/mcn.13369)
- 2022 Rahaman, M., Singh, R., Chouhan, P., Roy, A., Ajmer, S. and **Rana, M.J.** Levels, patterns and determinants of using reversible contraceptives for limiting family planning in India: evidence from National Family Health Survey, 2015–16. *BMC Women's Health* [\[https://doi.org/10.1186/s12905-022-01706-0\]](https://doi.org/10.1186/s12905-022-01706-0)
- 2022 Rahaman, M., **Rana, M.J.**, Roy, A. and Chouhan, P. Spatial heterogeneity and socio-economic correlates of unmet need for spacing contraception in India: Evidence from National Family Health Survey, 2015-16. *Clinical Epidemiology and Global Health*. 15 (May – June 2022, 101012) 1 – 8. [\[https://doi.org/10.1016/j.cegh.2022.101012\]](https://doi.org/10.1016/j.cegh.2022.101012)
- 2021 Rahaman, M., Sen, S., **Rana, M.J.** and Ghosh, S. Is consanguineous marriage related to intimate partner violence in India? Evidence from the National Family Health Survey, 2015-16. *Journal of Biosocial Science* [\[https://doi.org/10.1017/S0021932021000626\]](https://doi.org/10.1017/S0021932021000626)
- 2021 SK., R., Banerjee, A. and **Rana, M.J.** Nutritional status and concomitant factors of stunting among pre-school children in Malda, India: A micro-level study using a multilevel approach. *BMC Public Health*. 21, Article number: 1690.
- 2021 **Rana, M.J.** and Goli, S. The road from ICPD to SDGs: Health returns of reducing the unmet need for family planning in India. *Midwifery*. 103 (103107) [doi: [10.1016/j.midw.2021.103107](https://doi.org/10.1016/j.midw.2021.103107)]
- 2021 **Rana, M.J.** Goli, S., Mishra, R., Gautam, A., Datta, N., Nanda, P. and Verma, R. Contraceptive Method Information and Method Switching in India. *Sustainability*. 13, 9831.
- 2021 Misra, S., Goli, S., **Rana, M.J.**, Gautam, A., Datta, N., Nanda, P. and Verma, R. Family Welfare Expenditure, Contraceptive Use, Sources and Method-Mix in India. *Sustainability*. 13, 9562.
- 2021 **Rana, M.J.**, Cleland, J., Sekher, T.V. and Padmadas, S.S. Disentangling the effects of reproductive behaviours and fertility preferences on child growth in India. *Population Studies*. 75(1), 37-50.

- 2021 Goli, S., James, K.S., Singh, D., Srinivasan, V., Mishra, R., **Rana, M.J.**, Reddy, U.S. Economic returns of family planning and fertility decline in India, 1991–2061. *Journal of Demographic Economics* [doi: [10.1017/dem.2021.3](https://doi.org/10.1017/dem.2021.3)]
- 2020 Imdad, K., Sahana, M., **Rana, M. J.**, Haque, I., Patel, P. P., & Pramanik, M. A district-level susceptibility and vulnerability assessment of the COVID-19 pandemic's footprint in India. *Spatial and Spatio-temporal Epidemiology*, 36, 100390.
- 2020 Islam, S., **Rana, M.J.** and Mohanty, S.K. Cooking, smoking, and stunting: Effect of household air pollution sources on childhood growth in India. *Indoor Air*. Volume 31 No. 1, pp. 229-249.
- 2020 Choudhary, B. K., Sinha, S., and **Rana, M.J.** Spatial segregation in Varanasi: Caste and religion based exclusion/inclusion across municipal wards. *Transactions: Institute of Indian Geographers*, Volume 42, pp. 21-34.
- 2020 Haque, I., **Rana, M.J.** and Patel, P.P. Location matters: Unravelling the Spatial Dimensions of Neighbourhood Level Housing Quality in Kolkata, India. *Habitat International* Volume 99, pp 1-20.
- 2020 **Rana, M.J.** and Jain, A.K. Do Indian Women Receive Adequate Information about Contraception? *Journal of Biosocial Science* Volume 52, No. 3, pp. 338-352.
- 2020 Goli, S. and **Rana, M.J.** and Gouda, J. Intimate partner violence: Its effects on maternity care and pregnancy outcomes in India. *Economic and Political Weekly* Volume 55, No. 6. pp. 71-76.
- 2020 Saroj, S.K., Goli, S., **Rana, M.J.** and Chaudhary, B.K. Data on water, sanitation, and hygiene in six select metro cities of India. *Data in Brief* Volume 29, pp. 1-10.
- 2020 Goli, S. Gautam, A. **Rana, M.J.** Ram, H., Ganguly, D., Reja, T., Nanda, T. Datta, N. and Verma, R. Is unintended birth associated with physical intimate partner violence? Evidence from India. *Journal of Biosocial Science* Volume 49, Issue. 2. pp. 206-221.
- 2019 Saroj, S.K., Goli, S., **Rana, M.J.** and Chaudhary, B.K. Availability, accessibility, and inequalities of water, sanitation, and hygiene (WASH) services in Indian metro cities. *Sustainable Cities and Society* Volume 54, pp.1-9.
- 2019 **Rana, M.J.**, Gautam, A., Goli, S., Uttamacharya, Reja, T., Nanda, P., Datta, N. and Verma, R. Planning of Births and Maternal, Child Health and Nutritional Outcomes: Recent Evidence from India. *Public Health* Volume 169, pp. 14-25.
- 2018 **Rana, M.J.** and Goli, S. Tracing Long-term Trajectories of Contraceptive Practice across 185 Countries. *PLOS One*. 13(10): e0205927
- 2018 **Rana, M.J.** and Goli, S. Does Planning of Births Affect Childhood Undernutrition? Evidence from Demographic and Health Surveys of Select South Asian Countries, *Nutrition*. Volume. 47, Issue. 3, pp- 90-96
- 2017 **Rana, M.J.** and Goli, S. Returns of Family Planning: A Macro Level Assessment of Effect of Contraceptive Use on Women Anaemia and Childhood Undernutrition. *Journal of Biosocial Science*. Volume 49, Issue 6, pp. 773-791
- 2017 **Rana, M.J.** and Goli, S. Family Planning and Its Association with Nutritional Status of Women: Investigation in Select South Asian Countries. *Indian Journal of Human Development*. Volume. 11, Issue. 1, pp. 56-75

Book Chapters

- 2022 James, K.S., Kulkarni, P.M., **Rana, M.J.** Demographic dividend in India: What do we know? Chapter in a book “*India Population Report*”. Edited by K. S. James and T. V. Sekher. Cambridge University Press [Forthcoming].

- 2022 Haque, I. and **Rana, M.J.** Age adjusted mean children ever born across the district of India. Chapter in a book “*Demographic Atlas of India*” edited by Christophe Z Guilmoto [Forthcoming]
- 2021 Ajmer, S., Islam, S. **Rana, M.J.** Rahaman, M. Hossain, M., Hossain, B. Determinants of Childhood Stunting in India: Comparative Evidence from Bihar. Chapter in the book entitled ‘*Agriculture, Food and Nutrition Security*’. Springer.
- 2019 Siddiqui, M.Z., Goli, S. **Rana, M.J.** and Chakravorty, S. Health Status: Progress and Challenges. Chapter in the book entitled ‘*Growth, Disparities and Inclusive Development*’ edited by R.P. Mamgain. Springer Singapore, Singapore.

Book Review

- 2019 **Rana, M.J.** and Goli, S. Population Challenges of India. A book review of ‘Population Concerns in India: Shifting Trends, Policies, and Programs’ written by Krishnamurthy Srinivasan. *Economic and Political Weekly* Volume 54, Issue 1, pp. 29-31.

Short Communications/Research Notes/Comments

- 2021 James, K.S. and **Rana, M.J.** India’s Fertility Transition and Differences between Religious Groups. The India Forum. https://www.theindiaforum.in/article/india-fertility-transition-differences-religious-groups?utm_source=website&utm_medium=organic&utm_campaign=featured-articles&utm_content=Homepage
- 2021 Goli, S. and **Rana, M.J.** World Contraception Day: India’s Family-Planning Programme Needs a Big Push. *The Wire Science*. <https://science.thewire.in/health/world-contraception-day-indias-family-planning-programme-needs-a-big-push/>
- 2021 Rahaman, M. Roy, A., Chouhan, P., Das, K.C., **Rana, M.J.** Risk of COVID-19 Transmission and Livelihood Challenges of Stranded Migrant Labourers during Lockdown in India. *Indian Journal of Labour Economics* [https://dx.doi.org/10.1007%2Fs41027-021-00327-9]

Conference Proceedings

- 2020 Pramanik, M., Pal, I., Szabo, S., Udmale, P., & **Rana, M. J.** A Systematic Analysis of Vietnam's Province Level Household Energy Security Status and its Implication for Sustainable Development Goals. In *2020 International Conference and Utility Exhibition on Energy, Environment and Climate Change (ICUE)* (pp. 1-8). IEEE.
- 2017 **Rana, M.J.** and Goli S. The Effects of Public and Private Health Care Spending on Child Mortality in Developing Countries. 28th International Population Conference, Cape Town, South Africa

Modules for Post Graduate Course

- 2018 **Rana, M.J.** Dynamics of Sex Structure (Module 4). Population Structure and its Characteristics (Paper 4), E-PG Pathshala, An MHRD Project, India [Reviewer: Prof T.V. Shekher, Coordinator: K.S. James, Investigator: Prof S. Siva Raju]
- 2018 **Rana, M.J.** Gender Inequalities and the Subordination of Women (Module 19). Population Structure and its Characteristics (Paper 4), E-PG Pathshala, An MHRD Project, India [Reviewer: Prof T.V. Shekher, Coordinator: Dr. Srinivas Goli, Investigator: Prof S. Siva Raju]

Reports

- 2022 Situational data analyses of childhood pneumonia and its associated risk factors in India. A report of Save the Children. Worked as a core team member [Forthcoming]

- 2016 Eliminating child marriage in India: Progress and challenges. A report of Actionaid. Worked as an assistant for this report. https://www.researchgate.net/publication/314081705_Eliminating_Child_Marriage_in_India_Progress_and_Prospects

Seminars / Webinars / Conferences

Session Chaired

- 2021 Chaired a session on “Union Formation” at the 5th Asian Population Association Conference on 4th August, 2021.

Presentations in the Seminar/Webinars/Conferences (International)

- 2021 **Rana, M.J.** Sharma, S.K., Singh, S.K., James, K.S. Language Mismatch between Questionnaire and Interview and Use of Translator in NFHS-4: Implications on Data Quality. International Union for the Scientific Study of Population, Hyderabad, India.
- 2021 **Rana, M.J.** Does India Need a Population Control Act? Situational Needs and Contradictions. 5th Asian Population Association Conference (Virtual mode).
- 2021 **Rana, M.J.** and Goli, S. The Road from ICPD to SDG: Health Returns of Reducing Unmet Need for Family Planning in India. 5th Asian Population Association Conference (Virtual mode).
- 2021 **Rana, M.J.** Unbraiding Discordance in Reporting Contraceptive Use Between Husbands and Wives in India: Covert Use or Discrepancy? Annual Meeting of the Population Association of America 2021 (Virtual mode).
- 2020 **Rana, M.J.** Couples’ Dynamics in Sex Preference, Fertility Intentions and Behaviours in India. IUSSP Panel for pre-conference workshop on ‘Couples’ Reproductive Health and Fertility’. PAA 2020 (Virtual mode).
- 2019 Goli, S., Singh, D., **Rana, M.J.**, Mishra, R., and James, K.S. Economic Returns of Family Planning and Fertility Decline in India, 1991 to 2061. IUSSP Population, Poverty and Inequality Research Conference, Ann Arbor (MI), USA
- 2018 **Rana, M.J.**, Cleland, J., Padmadas, S. and Sekher, T.V. Re-evaluating the Mistimed and Unwanted Births and their Association with Childhood Stunting: New Evidence from India. 5th International Conference on Family Planning, Kigali, Rwanda
- 2018 **Rana, M.J.** and Jain, A. Rise in Method Information Index and Contraceptive Discontinuation in India. 5th International Conference on Family Planning, Kigali, Rwanda
- 2018 **Rana, M.J.** and Goli, S. Tracing Long-term Trajectories of Contraceptive Practice across 185 Countries. 5th International Conference on Family Planning, Kigali, Rwanda
- 2018 **Rana, M.J.** The Mediating Role of Un-intendedness of Births on the Effects of the Preceding Birth Spacing and Family Size on childhood Stunting. Seminar on “Strengthening Actions for Nutrition in India: Insights from the National Family Health Survey” organised by IFPRI in Delhi, India
- 2018 **Rana, M.J.** and Goli, S. Fertility Intentions and Behaviours in South Asia: Does Gendered Intended Sex Preference Matter? Annual Meeting of the Population Association of America 2018, Denver, USA
- 2018 **Rana, M.J.**, Goli, S and Mishra, R. Explaining the Fertility Patterns and Identifying the Lowest-Low Fertility in India: From Single Axis Framework to Complex Intersectionality. Annual Meeting of the Population Association of America 2018, Denver, USA
- 2018 **Rana, M.J.**, Datta, N., Uttamacharya, Goli, S. Gautam, A. and Verma, R. Planning of Births and its RMNCH Outcomes: Recent Evidence from India. 4th Asian Population Association Conference, Shanghai, China

- 2018 **Rana, M.J.** and Goli S. Fertility Intentions and Behaviours in South Asia: Does Gendered Intended Sex Preference Matter? 4th Asian Population Association Conference, Shanghai, China
- 2017 **Rana, M.J.** and Goli S. The Effects of Public and Private Health Care Spending on Child Mortality in Developing Countries. 28th International Population Conference, Cape Town, South Africa
- 2017 Saroj, S.K. **Rana, M.J.** and Goli S. WASH Availability, Accessibility and Inequalities in Select Metro Cities in India: What Determine the Performance? Annual Meeting of the Population Association of America 2017, Chicago, USA
- 2016 **Rana, M.J.** and Goli, S. How important is Family Planning for Nutritional Status of Women and Children? Investigation in select South Asian Countries. International Conference on Family Planning, Bali, Indonesia
- 2016 **Rana, M.J.** and Goli, S. Returns of Family Planning: A Macro Level Assessment of Effect of Contraceptive Use on Women Anaemia and Childhood Undernutrition. International Conference on Family Planning, Bali, Indonesia
- 2016 **Rana, M.J.** and Goli S. Family Planning and Its Association with Nutritional Status of Women: Investigation in Select South Asian Countries. Global Conference on Poverty, Equality and Sustainability. New Delhi, India
- 2015 **Rana, M.J.** Explaining the Effects of Public and Private Health Expenditure on Infant Mortality in Asia: A Cross Country Analysis. 3rd Asian Population Association Conference, Kuala Lumpur, Malaysia

Presentations in the Seminar/Webinars/Conferences (National)

- 2021 **Rana, M.J.** Dakua, T. Hossain, B. Rahaman, M. Risky health behaviours and self-reported health among elderly: Insights from a longitudinal evidence of India. Two day national seminar on “The status of health indicators in Telangana since 2014”, Hyderabad, India, 25-26th November 2021.
- 2020 **Rana, M.J.** Does India Need Incentive-Based Population Control Act? IIPS Annual Seminar 2020, Patna, India
- 2019 **Rana, M.J.** India’s Population Policies and Laws: Needs and their Contradictions. 17th Annual Conference of Indian Association for Social Science and Health held in Mandi, India
- 2019 **Rana, M. J.** Achieving Intended Fertility among the Indian Couples: Perspectives of Gender and Sex Preference. 40th Annual Conference of Indian Association for the Study of Population held in Thiruvananthapuram, India
- 2017 **Rana, M.J.** and Goli S. Does Planning of Births Affect Childhood Undernutrition? Evidence from Demographic and Health Surveys of Select South Asian Countries. 15th Indian Association of Social Science and Health Conference, Hyderabad, India

Workshops Participated

- 2018 **Youth Pre-conference Workshop** at 5th International Conference on Family Planning held in Kigali, Rwanda; Mentor: Judith F. Helzner.
- 2018 **RASTA-Family Planning** workshops organised by Population Council, New Delhi, India (2017-18). Mentor: Anrudh K. Jain.
- 2018 **RASTA-RMNCH** workshops organised by Population Council, New Delhi, India (2017-18). Mentors: John Cleland, Sabu S. Padmadas and T. V. Shekher.
- 2018 **Bayesian Small Area Estimation using Complex Data** at the Annual Meeting of Population Association of America 2018, Pre-conference workshop held in Denver, United States of America

- 2017 **Training workshop on Social Media, Big Data and Digital Demography** at the 28th International Population Conference held in Cape Town, South Africa
- 2016 **Flexible Statistical Modelling with R** at Mangalore University, Mangalore, India by the Global Initiative for Academic Networks (GIAN), Ministry of Human Resource Development, Government of India.
- 2016 **Ten Days' Research Methodology Course** for PhD students in Social Sciences at the Giri Institute for Development Studies, Lucknow, India organized by the Indian Council of Social Science Research, New Delhi, India
- 2015 **Introduction to R** at Jawaharlal Nehru University, New Delhi India
- 2014 **Use of Mixed Methods in Ageing Research** at Institute for Social and Economic Change (ISEC), Bangalore, India

Achievements: Distinctions, Scholarships, and Awards

- 2018 **Travel Support Award** for attending 5th International Conference on Family Planning. November 2018 held in Kigali, Rwanda.
- 2018 **IUSSP Data Revolution Award** for attending Annual Meeting of the Population Association of America, 2018 held in Denver, United States of America.
- 2018 **Travel Support Award** for attending 4th Asian Population Association Conference, held in Shanghai, China.
- 2017 **Travel Award** for attending 28th International Population Conference held in Cape Town, South Africa.
- 2016 **Travel Award** for attending 4th International Conference on Family Planning held in Bali, Indonesia.
- 2014 **National Eligibility Test (NET)** for lecturership in Population Studies by the University Grants Commission, New Delhi, India.
- 2013 **Maulana Azad National Fellowship (MANF)** Award by the University Grants Commission for conducting doctoral research in Indian universities.
- 2013 **National Eligibility Test (NET)** and **Junior Research Fellowship (JRF)** in Geography by the University Grants Commission for conducting doctoral research in Indian universities.

Membership of Professional Organizations

International Union for the Scientific Study of Population [IUSSP]
 Population Association of America [PAA]
 Asian Population Association [APA]
 Indian Association of Social Science and Health [IASSH]
 Indian Association for the Study of Population [IASP]

Research Paper Reviewed for the Academic Journals

Asian Population Studies
 Public Health Nutrition
 Journal of Developmental Origin of Health and Disease
 Journal of Obstetrics and Gynecology
 Biodemography and Social Biology
 Health & Place
 Journal of Biosocial Science
 BMC Women's Health
 Women & Health

Women's Health
International Health
SSM - Population Health
Plos One
Ageing International
Sustainable Cities and Society
Archives of Gerontology and Geriatrics
Frontiers in Public Health
Children and Youth Services Review
Journal of Multidisciplinary Healthcare
Journal of International Medical Research
Clinical Epidemiology
International Journal of Women's Health
Open Access Journal of Contraception
Risk Management and Healthcare Policy
Geojournal

Research Interest and Skills

Areas of research interest

Population health, maternal and child health, Health care system, population dynamics, adolescent and youth, regional development.

Data management

National Family Health Surveys (NFHS), India Human Development Survey (IHDS), Census of India, Longitudinal Ageing Study of India (LASI), National Sample Survey (NSS), Primary data entry and management.

Software for data analyses

STATA, SPSS, ArcGIS, Spectrum, and R

References

Rockli Kim

Professor of Global Health, College of Health Science, Hana Science Hall, Korea University, Seoul, South Korea

S V Subramanian

Professor of Population Health & Geography, Harvard Center for Population and Development Studies, Harvard T. H. Chan School of Public Health, Harvard University, USA

K S James

Senior Professor of Demography & the Director, International Institute for Population Sciences, Mumbai, India.

Srinivas Goli

Associate Professor, Department of Fertility and Social Demography, International Institute for Population Sciences, Mumbai, India.
