

Name with Degree(s)	Dr. Vasna Joshua M.Sc., Ph.D.								
Designation	Scientist B								
Year of Entry into ICMR	1983								
Email id	vasnajoshua@nie.gov.in ; vasnajoshua@yahoo.com								
Department									
Educational Qualification	<table border="0"> <thead> <tr> <th style="text-align: center;"><u>Degree</u></th> <th style="text-align: center;"><u>Institution</u></th> </tr> </thead> <tbody> <tr> <td>B.Sc., M.Sc. & Ph.D.</td> <td>Madras Christian College, Tambaram</td> </tr> <tr> <td>Advanced studies on Bayesian Disease mapping</td> <td>Swiss Tropical and Public Health Institute; University of Basel, Basel, Switzerland.</td> </tr> <tr> <td>Data management for clinical Research</td> <td>Vanderbilt University's online Course</td> </tr> </tbody> </table>	<u>Degree</u>	<u>Institution</u>	B.Sc., M.Sc. & Ph.D.	Madras Christian College, Tambaram	Advanced studies on Bayesian Disease mapping	Swiss Tropical and Public Health Institute; University of Basel, Basel, Switzerland.	Data management for clinical Research	Vanderbilt University's online Course
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B.Sc., M.Sc. & Ph.D.	Madras Christian College, Tambaram								
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Specialization	Statistics, GIS, Geostatistics, Spatial Statistics								
Area of Interest	Geostatistics, Spatial Epidemiology & Bayesian disease mapping								
Research Experience	<p>Studies involved - Utilization of Health services; Mortality; Infant mortality; LQAS (Infant immunization), Multi-indicator survey of UNICEF;</p> <p>Considerably contributed in the Data Management and Statistical Analysis of Integrated Behavioral and Biological Assessment (IBBA) study sponsored by Bill and Melinda Gates Foundation (Round I).</p> <p>Served as a Consultant for geospatial analysis at CMC, Biostatistics Division, Vellore and Foundation of Medical Research, Mumbai.</p> <p>As a Principal Investigator & Coordinator conducted five workshops (including a brain storming session) for Public Health Workers on GIS & Public Health.</p> <p>Editor for the journal "Journal of Advanced Research in GeoScience & Remote Sensing."</p> <p>Reviewer for IJMR, Journal of Applied Statistics & International Journal of Educational Policy Research and Review.</p> <p>Given several guest lectures on GIS, Spatial statistics in various Universities & medical colleges.</p>								
Publications	<ol style="list-style-type: none"> 1. Tony Fredrick, Manickam Ponnaiah, Manoj V. Murhekar, Yuvaraj Jayaraman, Joseph K. David, Selvaraj Vadivoo, Vasna Joshua. Cholera Outbreak Linked with Lack of Safe Water Supply Following a Tropical Cyclone in Pondicherry, India, 2012 2. Vasna Joshua, K Bhoopathi, Ramesh S Paranjape, Thilakavathi Subramanian and S Mehendale. Cluster detection of HIV infection for clients of female sex workers in selected districts of Tamil Nadu, South India. (Abstract). <i>BMC Infectious Diseases</i> 2014, 14(Suppl 3):O27. Abstracts from the 2nd International Science Symposium on HIV and Infectious Diseases (HIV SCIENCE 2014) 3. Pawlin Vasanthi Joseph , B. Brindha , Vasna Joshua , Prashanthi Devi , S. Balasubramanian. Analysis of Spatio-temporal Disease Pattern Using Spatial Auto Correlation Methods: Case of Acute Gastroenteritis in Coimbatore District, Tamilnadu, India. <i>Indian Journal of Public Health Research & Development</i> 2014, Vol 5(3): 296-301. 4. Sanjay Mehendale , Vasna Joshua. Emerging issues in applications of Geographic information Systems in Public Health. <i>JKIMSU</i>, Vol. 2, No. 1, Jan-June 2013. Public health and GIS: Views and opinions of Indian users. <i>Indian J Med Res</i> 136, August 2012, pp 299-300. Vasna Joshua, A Elangovan, V Selvaraj, T P Ahluwalia, S Mehendale. 								

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6. **Vasna Joshua**, Ramesh S Paranjape , Rajatashurva Adhikary, J. Mahanta, Prabuddhagopal Goswami, Mandar K Manikar, G.K Medhi, S. Brogen Akijam, Bernice Dzuwichu. Spatial mobility of injection drug users in the northeast region of India: an exploratory analysis. *Indian J Med Res* 136 (Supplement), October 2012, pp 54-6.
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8. **Vasna Joshua**, M D Gupte, Rajatashurva Adhikary, Ramesh S Paranjape, Mandar K Manikar, G.N.V.Brahmam, J. Mahanta, B.M.Ramesh. Index based mapping of high risk behaviours for HIV among female sex workers in India. *Indian J Med Res* 136 (Supplement), October 2012, pp 14-22.
9. Takum T, Padung D, **Joshua V**, Manickam P, Murhekar MV. Programmatic and beneficiary related factors for low vaccination coverage in Papum Pare district, Arunachal Pradesh, India. *J Trop Pediatr.* 2011 Aug; 57(4):251-7.
10. Selvaraj Vadivooa, Mohan D. Gupte, Rajatashuvra Adhikary, Anjalee Kohli, Boopathi Kangusamy, **Vasna Joshua**, A.K. Mathai, Kishore Kumar, Mandar Mainkar and Prabuddhagopal Goswamic, for the IBBA Study Team. Appropriateness and execution challenges of three formal size estimation methods for high-risk populations in India. *AIDS* 2008, 22 (suppl 5): S137-S148 A Bayesian approach to study the space time variation of leprosy in an endemic area of Tamil Nadu, South India. *International Journal of Health Geographics* 2008, 7:40. Vasna Joshua, Mohan D Gupte and M.Bhagavandas.
11. **Vasna Joshua**, Mohan D Gupte and M.Bhagavandas. A Bayesian approach to study the space time variation of leprosy in an endemic area of Tamil Nadu, South India. *International Journal of Health Geographics* 2008, 7:40.
12. Bhagavandas M, **Joshua V**. Mapping co-variates of mortality upto age of five years for Indian states; *Indian Journal of Public Health* 2003 Jan-March (47)(1) 22-6.
13. Ramakrishnan R; Venkata Rao T; Sundaramoorthy L; **Joshua V**. Magnitude of Recall bias in the estimation of Immunization Coverage and its determinants: *Indian Pediatrics*, Vol 36 September 1999: 881- 85.
14. B.N. Murthy, S. Radhakrishna, S. Venkatasubramanian, V. Periannan, A. Lakshmi, **Vasna Joshua**, R. Sudha. Lot Quality assurance sampling for monitoring Immunization Coverage in Madras City: *Indian Pediatrics*, Vol 36 June 1999: 555-59.
15. Kachirayan M; Radhakrishna S; Ramanathan AM; Selvaraj V; **Pushparaj V**; Ramalingam N. Utilization of Preventive and Curative Services in a semi-urban area in Tamil Nadu: *Indian Journal of Community Medicine*, 1988 Vol. XIII No. 3:118-25.