

Apurba Shil

Curriculum Vitae, September 4th, 2019

CURRENT AFFILIATION

Doctoral Fellow (Statistics and Epidemiology), Dept. of Public Health, Faculty of Health Sciences, Ben Gurion University of the Negev, Beer-Sheva, Israel. **Cell No:** 0585426166, **Email Id:** apurba@post.bgu.ac.il, apurba.shil316@hotmail.com.

RESEARCH INTERESTS

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| ❖ Autism Spectrum Disorders | Biostatistics |
| ❖ Machine Learning Algorithms | Survival analysis |
| ❖ Spatial Statistics | Non Communicable Diseases (NCDs) |

EDUCATION

- ❑ 2010-2013: **B.Sc.** in Statistics, Mathematics and Physics, Visva Bharati University (VBU), West Bengal, India.
- ❑ 2014-2016: **M.Sc.** in Health Statistics (Div. of Biostatistics), Banaras Hindu University (BHU), Varanasi, India.
- ❑ 2016-2017: **M.Phil.** (Bio-statistics & Epidemiology), International Institute for Population Sciences, Mumbai, India.
- ❑ 2019-2022: **Ph.D.** (Bio-statistics), Dept. of Public Health, Ben Gurion University of the Negev, Beer-sheva, Israel.

FELLOWSHIPS/AWARDS/GRANTS/HONORS

- ✓ **2019: Kreitman Fellowship** to pursue the Doctoral Research in the Ben Gurion University of the Negev, Israel.
- ✓ **2018:** Received **UNFPA** funding to attend the **5th KOSTAT Summer training on Population** conducted jointly by **Asia Pacific Population Institute (APPI) and Statistics Korea (KOSTAT)** in South Korea (July 22-August 10, 2018).
- ✓ **2018:** Received **Data Revolution Award** to attend IUSSP'S short course on **Bayesian Small Area Estimation** and to present research paper at the **2018 Population Association of America (PAA) conference** in Denver, Colorado, USA.
- ✓ **2017:** Qualified **National Eligibility Test (NET) with Junior Research Fellowship (JRF) in Population Studies** from University Grants Commission (UGC), India to pursue PhD in Biostatistics/Statistics/Epidemiology/Public Health in the country.
- ✓ **2017:** Received a **Government of India (GOI)** scholarship to pursue M.Phil. from International Institute for Population Sciences (IIPS), Mumbai, India.
- ✓ **2016:** Completed **M.Sc. degree with 1st class and distinction marks** from the Banaras Hindu University, India.
- ✓ **2015:** Qualified **National Eligibility Test (NET) in Population Studies** for assistant professor conducted by University Grants Commission (UGC).
- ✓ **2013-14:** Qualified for **Merit cum means scholarship** from Government of West Bengal, India to do graduation.

WORK EXPERIENCES

- ❑ I have worked as a **Junior Research Fellow (JRF) at the International Institute for Population Sciences (IIPS)**, Mumbai, India from 16th August 2017 to 17th February 2019.
- ❑ I have worked as a **Data Analyst** under **Canada Foundation for Innovations (CFI)** funded project entitles "**Linked Database System for program science in Global Public Health**" as an interface between University of Manitoba (UOM)-Canada & Karnataka Health Promotion Trust (KHPT)-Bangalore.
- ❑ I worked as a **Junior Research Fellow (JRF)** in the Govt. sponsored project "**Modeling Malaria and Dengue Prevalence in Mumbai**" undertaken in the **Department of Mathematics, Indian Institute of Technology (IIT) Bombay**.
- ❑ I worked as a research intern at the **National Institute of Medical Statistics (NIMS), ICMR**, New Delhi, India on child health issues in India by utilizing classical statistical techniques using the software like STATA, R and ArcGIS.
- ❑ Did an **80 hour training in English Communication and Basic Corporate Etiquette under Affirmative Action by TCS-BPO**, in association with Visva Bharati University.
Duration: July 2013.

PROJECTS/DISSERTATIONS

- ✓ Dissertation title: **Burden of Cardiovascular Diseases (CVDs) and its Economic Consequences in India: A Geospatial analysis during 2004-2014.** (M.Phil. Dissertation)
Duration: Dec, 2016 – Apr, 2017
- ✓ Project title: **A multivariate cox-proportional hazard model to assess the determinants of Infant mortality in India.** (Internship Project)
Duration: Jun'10, 2015 – Jul'25, 2015
- ✓ Dissertation title: **Impact of socio-demographic and behavioral factors on HIV infected productive males: A matched case control study.** (M.Sc. 2nd year Dissertation)
Duration: Jan, 2016 – May, 2016
- ✓ Project title: **Prevalence and Awareness of Diarrhea among national and international tourists: A descriptive study** (M.Sc. 1st year Project)
Duration: Feb, 2015 – May, 2015

PAPER PUBLICATIONS/ UNDER REVIEW ARTICLES

- ✓ Khan J, Shil A, Prakash R (2018). **Exploring the spatial heterogeneity in different doses of vaccination coverage in India.** PLOS ONE. 13(11): e0207209. <https://doi.org/10.1371/journal.pone.0207209>.
- ✓ Shil, A., Puri, P. & Prakash, R. (2017). **A geospatial analysis of non-communicable disease (NCD) burden in Indian agro-climatic and political regions.** J Public Health. Springer Berlin Heidelberg, ISSN No: 1613-2238. <https://doi.org/10.1007/s10389-017-0876-2>.
- ✓ Puri P and Shil A. (2017), **Death Clustering of Neonates & its Determinants in India**, Elixir Statistics International Journal, 103; 45699-45704; Available from www.elixirpublishers.com ISSN No: 2229-712X.
- ✓ Shil A, Puri P, Mishra A, Mishra R.N. (2016), **Determinants of infant mortality in India**, International Journal of Health Science and Research, Vol.6; Issue: 2; February 2016, ISSN No: 2249-9571.

PAPER PRESENTATIONS

- ✓ Apurba Shil (2018): **Regional heterogeneity of economic burden of cardiovascular diseases (CVDs) in India**, 39th Indian Association for Study of Population (IASP), Banaras Hindu University, Varanasi, India.
- ✓ Apurba Shil (2018): **A Geospatial Analysis of Non-Communicable Disease (NCD) Burden in India in 2014**, 4th Asian Population Association (APA) Conference, Shanghai University, China.
- ✓ Apurba Shil, L.K. Dwivedi (2018): **An assessment of Cardiovascular Disease (CVD) Burden in the Indian Agro-climatic regions: A Geo-spatial analysis during 2004-2014** at the Population Association of America (PAA), Denver, Colorado, USA.
- ✓ Apurba Shil (2015): **A Multivariate Cox Proportional Hazard Regression model to assess the determinants of Infant Mortality in India**, National Conference on TIME SERIES, ANALYTICS AND RECENT ADVANCES IN STATISTICAL MODELLING, at Central University of Rajasthan, Ajmer, Rajasthan.

WORKSHOPS

- ✓ A 7 day training on **Structural Equation Modelling using process Macro and AMOS** at Vellore Institute of Technology (VIT), Chennai, India.
- ✓ A 5 day short training on **Demography with R**, conducted by Asia Pacific Population Institute (APPI) and Statistics Korea (KOSTAT) in Daejeon, South Korea.
- ✓ A 5 day short training on **Subnational Population Projections**, conducted by Asia Pacific Population Institute (APPI)

and Statistics Korea (KOSTAT) in Busan, South Korea.

- ✓ A 5 day short training on **Ageing and NTA**, conducted by Asia pacific Population Institute (APPI) and Statistics Korea (KOSTAT) in Seoul, South Korea.
- ✓ A 2 day IUSSP's workshop on **Bayesian Small Area Estimation using R**, at the Population Association of America (PAA), Denver, Colorado, USA.
- ✓ A 5 day workshop on **Computational Statistics using R** at Indian Statistical Institute (ISI), Kolkata, India.
- ✓ A 10 day national workshop on **Uses of epidemiological and statistical methods in Research using SPSS** in Division of Biostatistics, Dept. of Community Medicine, Institute of Medical Sciences, Banaras Hindu University.
- ✓ A 4 day workshop on **Research Methodology** in Bhopal Memorial Hospital and Research Center, Under ICMR, Bhopal.
- ✓ A 3 day Workshop on **Biomathematics** in DST-Centre for Interdisciplinary Mathematical Sciences(CIMS) & Department of Mathematics, Faculty of Science, Banaras Hindu University.

COMPUTATIONAL SKILLS

- ✓ **Operating System:** *Windows 8.1 and the previous versions.*

- ✓ **Software Proficiency:**

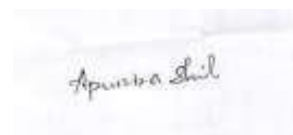
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PROFESSIONAL AFFILIATIONS

- ☐ Population Association of America (PAA) Member
- ☐ International Union for the Scientific Study of the Population (IUSSP) Member
- ☐ Global Burden of Disease (GBD) Collaborator

DECLARATION

I, hereby declare that the above-furnished particulars are true to the best of my knowledge and belief. If given a chance, I will prove my efficiency, my loyalty and desire to work.



Beer-sheva, Israel

Apurba Shil