Arun Mitra Peddireddy, MBBS, MD

arunmitra.com | dr-arunmitra | @drarunmitra
@drarunmitra | Google Scholar | ResearchGate
0000-0001-6742-4033

Professional Experience

May 2024 – Present
Assistant Professor, Department of Community and Family Medicine, All India Institute of Medical Sciences, Bibinagar
Hyderabad, Telangana.
Additional Member Secretary, Institute Research Committee.
Member, CCMBIY Research Proposal Screening and Selection Committee (2026).

Sep 2020 – Present
Research Scholar, Achutha Menon Centre for Health Science Studies, Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum, Kerala.

Oct 2019 – Aug 2020
Research Associate, Retina Research Center, Alberta International Eye Hospital, Kakinada, Andhra Pradesh

Sep 2017 – Oct 2019
Senior Resident, Department of Community & Family Medicine, All India Institute of Medical Sciences (AIIMS), Bhopal, Madhya Pradesh.

Jul 2014 – Aug 2017
Junior Resident, Department of Community Medicine, NKP Salve Institute of Medical Sciences & Research Center, Nagpur, Maharashtra.

Medical Officer, Department of Cardio-Thoracic and Vascular Surgery (CTVS), Max Heart Institute, Saket, New Delhi.

Research Projects

2026 – Present
Co-Investigator. DISHA: Surveillance of Non-Communicable Diseases and Commercial Determinants of Health (led by Institute of Public Health, Bengaluru).
Indian Council of Medical Research (ICMR).

2025 – 2026
Principal Investigator. Integrating Health Information Systems to Enhance Reproductive and Child Healthcare in Tribal Communities.
AIIMS Bibinagar (Intramural).

Principal Investigator. Mapping Tuberculosis Notifications in India: A Spatial Analysis of Publicly Available Data from the Ni-kshay Portal.
AIIMS Bibinagar (Intramural).

2025
Co-Investigator. Innovations in Patient Lift Hoist Design for Safer Health Transfers.
National Centre for Assistive Health Technologies (ICMR). INR 10,00,000.

2024 – 2026
Co-Investigator. Estimating the Spatio-Temporal Trends of Maternal and Child Health Indicators in India using Large, Nationally Representative, Publicly Available Data.
AIIMS Bibinagar (Intramural).

2022 – 2024
Co-Investigator. Transforming COVID-19 Testing Data into Actionable Evidence for Public Health Decision Making using Epidemiological, Spatiotemporal, and Data-Science Methods.
Indian Council of Medical Research (ICMR). INR 26,20,000.

Principal Investigator. Data Science for Improving Maternal and Child Health in Developing Communities: An Action Research in a Tribal Area of Andhra Pradesh.
Department of Science and Technology (DST), Government of India. INR 2,00,000.

Research Projects (continued)

2021 – 2024 **Co-Investigator.** Digital Platforms for Disease Surveillance and Control: Best Practice Case Studies from Asia (DMgtAsia).
DIKU, Norway. NOK 3 million.

2021 – 2023 **Co-Investigator.** Regional Inequities in Geospatial Access to Stroke Care in India.
World Stroke Organization (WSO) and Society of Vascular and Interventional Neurology (SVIN). USD 20,000.

Education

2022 **Modern Modeling Techniques**
London School of Hygiene and Tropical Medicine, United Kingdom.

2020 – 2021 **Advanced Certificate in Digital Health and Imaging**
Indian Institute of Science (IISc), Bengaluru.

2020 – Present **Ph.D, Health Data Science**
Sree Chitra Tirunal Institute for Medical Sciences & Technology, Trivandrum.
Thesis: Data Science for Improving Maternal and Child Health: An Action Research in a Tribal Area of Andhra Pradesh.

2014 – 2017 **M.D, Community Medicine**
Maharashtra University of Health Sciences, Nashik.

2004 – 2010 **MBBS**
Hebei Medical University, People's Republic of China.

1997 – 2004 **Secondary & Senior Secondary Education**
Sainik School Korukonda, Andhra Pradesh.

Areas of Interest

- ❖ Public Health Informatics
- ❖ Health Data Science
- ❖ Spatial Epidemiology
- ❖ Infectious Disease Modeling
- ❖ Decision Support Systems
- ❖ Reproducible Research
- ❖ Capacity Building in Public Health
- ❖ Action Research

Fellowships

2023 IIT Tirupati Navavishkar (NAV) I-Hub Foundation (ITTNiF)- Google Earth Engine (NAV-i-GEE) Research Program - Google Earth Engine Fellowship.

2022 University Grants Commission - Senior Research Fellowship.

Department of Science and Technology - Science for Equity and Empowerment Division Fellowship.

2020 University Grants Commission - Junior Research Fellowship.

Miscellaneous

Awards and Achievements

2021
- **Best Researcher**, 4th International Public Health Conference, Indonesia.
- **Best Paper Presentation**, 2nd National Young Leaders Conclave, Indian Association of Preventive and Social Medicine.
- **International - Contributing Member**, R Epidemics Consortium, Imperial College of London, United Kingdom
- **Best Paper**, International Federation for Information Processing (IFIP) Working Group 9.4 Conference.

2022
- **First Prize**, National Science Day Competition, SCTIMST, Trivandrum.
- **Best Paper Presentation**, 3rd National Young Leaders Conclave, Indian Association of Preventive and Social Medicine.
- **Promising Scientific Paper**, 5th International AMRITA Public Health Conference.
- **National - Finalist**, Young Scholar Program, 2022 - Environmental Systems Research Institute (ESRI)

2023
- **First Prize**, Summit of Academia Networking with Government, Allied health workers And Medical professionals (SANGAM2023), IIT Bombay.
- **Best Poster**, 4th Annual Conference of Epidemiology Foundation of India (EFICON2023).
- **Indian Delegation Member**, UTFORSK Project, Department of Informatics, University of Oslo, Norway.

2024
- **Best Practice Public Health Teaching**, 52nd National Conference of Indian Association of Preventive and Social Medicine (IAPSMCON 2024).
- **Best PhD Scholar – Certificate of Merit**, Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST), Trivandrum.

2025
- **Collaborator**, Global Burden of Disease (GBD) Collaborator Network, Institute for Health Metrics and Evaluation (IHME).

Workshops Organised and Resource Person

2021
- **Data Analysis using R**. Three Workshops.

2022
- **Faculty Development Program**. Society for Data Science (S4DS).
- **Data Analysis using R**. Two Workshops.
- **Spatial Epidemiology**. One Workshop.
- Edit-a-thon. In collaboration with the United Nations Office for Outer Space Affairs (UNOOSA).

2023
- **Regression Analysis including checking of assumptions using R**. One Workshop.
- **Short Term Training Program**. Society for Data Science (S4DS).

2024
- **National Workshop on Health Data Analytics**. All India Institute of Medical Sciences, Kalyani (AIIMS-Kalyani).
- **Communicating Research Effectively with R**. IAPSMCON2024.
- **Spatial Epidemiology using R**. IAPSMCON2024.
- **Introduction to Health Data Science**. Institute of Public Health (IPH), Bengaluru.

2025
- **ICSSR Faculty Development Programme on Spatial Health and Epidemiology**. Central University of Gujarat.
- **IISc–LSHTM Short Course in Epidemiology**. Faculty. Indian Institute of Science, Bengaluru.

Miscellaneous (continued)

- **Data Science for Public Health: Training of Trainers**. Faculty. HISP India.
- **2nd National Workshop on Health Data Analytics using R**. AIIMS Mangalagiri.
- **Spatial Epidemiology** (pre-conclave workshop). IAPSM National Young Leaders Conclave 2025, Goa.

2026
- **Pre-Conference Workshop**. Resource Person. IPHACON 2026.
- **Reproducible and AI-Aided Health Data Analysis** (3 days). CPCEP, Iqraa Hospital.
- **Pre-Conference Workshop**. MedEd Conclave 2026, AIIMS New Delhi.
- **Reference Management Workshop**. Multidisciplinary Research Unit (MRU), AIIMS Bibinagar.
- **IISc–LSHTM Short Course in Epidemiology**. Faculty. Indian Institute of Science, Bengaluru.

Talks

2022
- **Importance of NCDs in the light of public health and its documentation in facilitating policy decision**. Institute of Management in Government (IMG), Kerala.
- **Capacity Building Program for the local-self-government (LSG) movement**. Kerala Institute for Local Administration (KILA), Thrissur, Kerala.
- **Concepts of Health Data Science, Reproducible Workflows and Effective Communication of Research**. National Institute of Electronics and Information Technology (NIELIT), Guwahati.

2023
- **Spatial Data Science: Best Practices and Case Studies**. Spatial Epidemiology Webinar Series No. 3.

2024
- **Data Science for Public Health: Concepts, Applications, and Case Studies**. Training Program for the Indian Statistical Service (ISS) probationers from the Ministry of Statistics and Programme Implementation (MoSPI).

2025
- **Machine Learning Meets Medicine**. Guest Speaker. AIIMS Rajkot.

Conference Presentations

2024
- **E-Poster**. World Stroke Congress 2024, Abu Dhabi, UAE.

2025
- **Abstract Presentation**. IUHPE 2025 World Conference on Health Promotion.

2026
- **Oral Presentation**. MedEd Conclave 2026, AIIMS New Delhi.

Peer Reviewer

2022
- *PLOS ONE*. PLOS.

2023
- *Sleep and Vigilance*. Springer.
- *Journal of Family Medicine and Primary Care*. Wolters Kluwer – Medknow.

2025 – Present
- *BMJ Public Health*. BMJ.

2026
- *PLOS Global Public Health*. PLOS.
- *BMC Public Health*. Springer Nature.
- *Preventive Medicine: Research & Reviews*. Wolters Kluwer – Medknow.

Research Publications

Journal Articles

1. D. P. Sahoo, B. Soman, N. Agarwal, S. Patil, A. Roy, and **A. Mitra**, "Exploring spatial clusters of caesarean sections across India - Insights from National Family Health Survey data," *PLOS Global Public*

Health, vol. 6, no. 3, J. Robinson, Ed., e0006070, Mar. 2026, ISSN: 2767-3375. DOI: 10.1371/journal.pgph.0006070.

2 A. Singhal, A. M. Das, V. A. R. K. Y, **A. Mitra**, S. Srivastav, B. Anala, A. Sarkar, K. M, G. V, T. Madhuri, and N. A. John, "Normative Heart Rate Variability Parameters Across Age and Gender in Healthy Adults from an Apex Tertiary Care Centre in Southern India," *Annals of Neurosciences*, Jun. 2026, ISSN: 0976-3260. DOI: 10.1177/09727531261454450.

3 K. S. Asif, **A. Mitra**, et al., "Geo-spatial analysis of acute ischemic stroke reperfusion treatment in India: An assessment of distribution and access to centers," *International Journal of Stroke*, vol. 20, no. 6, pp. 708–720, Jan. 2025, ISSN: 1747-4949. DOI: 10.1177/17474930241312598.

4 V. Modgil, S. Sahay, N. Taneja, A. Mukherjee, N. Joshi, **A. Mitra**, B. Soman, R. Singh, O. Sinha, and R. Surial, "Enhancing access to antimicrobial resistance diagnostics for the marginalised: Challenges and opportunities of point-of-care technologies," *Journal of Global Antimicrobial Resistance*, vol. 44, pp. 281–286, Sep. 2025, ISSN: 2213-7165. DOI: 10.1016/j.jgar.2025.06.023.

5 F. S. Vaz, M. Gaunekar, M. Kankonker, A. M. Desai, and **A. Mitra**, "Tuberculosis Treatment Outcomes among Patients Receiving Nutritional Support under Ni-kshay Mitra Scheme in Goa," *Indian Journal of Respiratory Care*, vol. 14, no. 3, pp. 208–210, Nov. 2025, ISSN: 2321-4899. DOI: 10.5005/jp-journals-11010-1194.

6 **A. Mitra**, K. S. Asif, V. Huded, S. Ortega-Gutierrez, N. A. Herial, A. P. Jadhav, D. Yavagal, B. Soman, and P. N. Sylaja, "Regional Inequities in Access to Stroke Facilities in India-Estimating Travel Distance and Times for Thrombolysis and Thrombectomy," *Stroke*, vol. 55, no. Suppl_1, A26–A26, 2024. DOI: 10.1161/str.55.suppl_1.26.

7 **A. Mitra** and B. Soman, "Data Science for Public Health: Journey of a PhD Scholar," *Academic Fest, SCTIMST, Trivandrum,*, Apr. 2024. URL: https://dspace.sctimst.ac.in/handle/123456789/11529.

8 **A. Mitra**, B. Soman, R. Gaitonde, T. Bhatnagar, E. Nieuhas, and S. Kumar, "Data Science Approaches to Public Health: Case Studies Using Routine Health Data from India," no. 9596, Jan. 2023, ISSN: 2516-2314. URL: https://easychair.org/publications/preprint/DRZB.

9 A. Roy, **A. Mitra**, and B. Soman, "Public health in India: Leveraging technology for a brighter future," *OPINIONS IN Medical Sciences, Technology and Health*, vol. 1, no. 2, e23014–e23014, 2023. URL: https://omsth.sctimst.ac.in/omsth/article/view/5/1.

10 V. Bhatia, S. Parida, D. Sahoo, A. Antony, and **A. Mitra**, "Effectiveness of Universal BCG Immunisation in Reducing the Incidence and Mortality of COVID-19: A Secondary Data Analysis: Effectiveness of Universal BCG Immunisation on COVID-19," *Nigerian Medical Journal*, vol. 62, no. 2, pp. 60–65, Apr. 2022. URL: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10937066/.

11 M. Lahri, S. Kumar, **A. Mitra**, and G. Singh, "Is the unrealistic expectation of getting cured related to poor treatment adherence among Indian Asthma patients? A hospital based mixed methods study from central India," en, *Journal of Family Medicine and Primary Care*, vol. 11, no. 6, p. 3178, 2022, ISSN: 2249-4863. DOI: 10.4103/jfmpc.jfmpc_1457_21.

12 **A. Mitra**, B. Soman, R. Gaitonde, G. Singh, and A. Roy, "Data Science Methods to Develop Decision Support Systems for Real-time Monitoring of COVID-19 Outbreak," en, *Journal of Human, Earth, and Future*, vol. 3, no. 2, pp. 223–236, Jun. 2022, Number: 2, ISSN: 2785-2997. DOI: 10.28991/HEF-2022-03-02-08.

13 G. Singh, **A. Mitra**, and B. Soman, "Development and use of a reproducible framework for spatiotemporal climatic risk assessment and its association with decadal trend of dengue in India," en, *Indian Journal of Community Medicine*, vol. 47, no. 1, p. 50, 2022, ISSN: 0970-0218. DOI: 10.4103/ijcm.ijcm_862_21.

14 A. Goyal, A. Joshi, **A. Mitra**, A. Khurana, and P. Chaudhary, "Predictive factors for CPAP failure in obstructive sleep apnea patients," en, *Lung India*, vol. 38, no. 6, p. 540, 2021, ISSN: 0970-2113. DOI: 10.4103/lungindia.lungindia_867_20.

15 A. M. Kokane, A. P. Pakhare, G. Gururaj, M. Varghese, V. Benegal, G. N. Rao, B. Anniappan Arvind, K. Prasad M, **A. Mitra**, M. Shukla, K. Yadav, S. Ray, A. Ranjan, R. Chatterji, and P. Mittal, "How Healthy Is State Mental Health System in Madhya Pradesh, India? An Assessment of Today to Plan for a Better Tomorrow," en, *Psychiatry Journal*, vol. 2021, e6364321, Mar. 2021, Publisher: Hindawi, ISSN: 2314-4327. DOI: 10.1155/2021/6364321.

16 A. Roy, **A. Mitra**, and D. Roy, "Occupational radiation exposure among orthopaedic and a need for heath promotional approach," en, *International Journal Of Community Medicine And Public Health*, vol. 8, no. 6, p. 3017, May 2021, ZSCC: 0000000, ISSN: 2394-6040, 2394-6032. DOI: 10.18203/2394-6040.ijcmph20212008.

17 G. Singh, B. Soman, and **A. Mitra**, "A Systematic Approach to Cleaning Routine Health Surveillance Datasets: An Illustration Using National Vector Borne Disease Control Programme Data of Punjab, India," *arXiv:2108.09963 [cs]*, Aug. 2021, ZSCC: 0000000 arXiv: 2108.09963. URL: http://arxiv.org/abs/2108.09963.

18 A. M. Kokane and **A. Mitra**, "Preparedness of primary health care providers for tobacco cessation — Experiences from a non-communicable disease training program," en, *Indian Journal of Cancer*, vol. 57, no. 4, p. 443, Oct. 2020, ISSN: 0019-509X. DOI: 10.4103/ijc.IJC_696_18.

19 S. K. Mandal, **A. Mitra**, Y. Alok, S. Gupta, and A. Majumdar, "Awareness and perceptions regarding taxation and health warnings related to sugar-sweetened beverages and the factors associated with these among visitors of a general out-patient clinic in Bhopal, India," *Journal of Family Medicine and Primary Care*, vol. 9, no. 5, pp. 2350–2358, May 2020, ISSN: 2249-4863. DOI: 10.4103/jfmpc.jfmpc_226_20.

20 **A. Mitra**, A. P. Pakhare, A. Roy, and A. Joshi, "Impact of COVID-19 epidemic curtailment strategies in selected Indian states: An analysis by reproduction number and doubling time with incidence modelling," en, *PLOS ONE*, vol. 15, no. 9, e0239026, Sep. 2020, Publisher: Public Library of Science, ISSN: 1932-6203. DOI: 10.1371/journal.pone.0239026.

21 M. Nagar, A. Joshi, S. Sahu, V. Nagar, and **A. Mitra**, "Concordance and Discordance of Orthopedicians with Revised National Tuberculosis Control Program with Reference to Musculoskeletal Tuberculosis: A Qualitative Inquiry," en, *Indian Journal of Orthopaedics*, vol. 54, no. 5, pp. 711–719, Sep. 2020, ISSN: 1998-3727. DOI: 10.1007/s43465-020-00068-9.

22 A. Roy, A. K. Singh, S. Mishra, A. Chinnadurai, **A. Mitra**, and O. Bakshi, "Mental health implications of COVID-19 pandemic and its response in India," *The International Journal of Social Psychiatry*, Sep. 2020, ISSN: 0020-7640. DOI: 10.1177/0020764020950769.

23 S. Sembiah, V. Nagar, D. Gour, D. K. Pal, **A. Mitra**, and J. Burman, "Diabetes in tuberculosis patients: An emerging public health concern and the determinants and impact on treatment outcome," *Journal of Family & Community Medicine*, vol. 27, no. 2, pp. 91–96, 2020, ISSN: 1319-1683. DOI: 10.4103/jfcm.JFCM_296_19.

24 R. Singh, A. Joshi, A. Gupta, **A. Mitra**, and N. K. Rai, "Exploratory study to understand association of emotional comorbidities and sleep with migraine," *International Journal of Neuroscience*, vol. 0, no. 0, pp. 1–9, Dec. 2020, Publisher: Taylor & Francis _eprint: https://doi.org/10.1080/00207454.2020.1858830, ISSN: 0020-7454. DOI: 10.1080/00207454.2020.1858830.

25 A. Joshi, **A. Mitra**, N. Anjum, N. Shrivastava, S. Khadanga, A. Pakhare, and R. Joshi, "Patterns of Glycemic Variability During a Diabetes Self-Management Educational Program," en, *Medical Sciences*, vol. 7, no. 3, p. 52, Mar. 2019, Number: 3 Publisher: Multidisciplinary Digital Publishing Institute. DOI: 10.3390/medsci7030052.

26 A. Kokane, A. Pakhare, G. Gururaj, M. Varghese, V. Benegal, G. N. Rao, B. Arvind, M. Shukla, **A. Mitra**, K. Yadav, R. Chatterji, S. Ray, and A. R. Singh, "Mental Health Issues in Madhya Pradesh: Insights from National Mental Health Survey of India 2016," en, *Healthcare*, vol. 7, no. 2, p. 53, Jun. 2019, Number: 2 Publisher: Multidisciplinary Digital Publishing Institute. DOI: 10.3390/healthcare7020053.

27 A. Majumdar, **A. Mitra**, S. Parthibane, and G. Revadi, "Young, obese, and underweight patients show up inadequately at scheduled appointments: Findings from a record-based study on diabetic, hypertensive diabetic, and hypertensive patients attending a primary care clinic of Puducherry," *Journal of Family Medicine and Primary Care*, vol. 8, no. 3, pp. 1090–1097, Mar. 2019, ISSN: 2249-4863. DOI: 10.4103/jfmpc.jfmpc_387_18.

28 V. Nimesh, A. Halder, **A. Mitra**, S. Kumar, A. Joshi, R. Joshi, and A. Pakhare, "Patterns of healthcare seeking behavior among persons with diabetes in Central India: A mixed method study," *Journal of Family Medicine and Primary Care*, vol. 8, no. 2, pp. 677–683, Feb. 2019, ISSN: 2249-4863. DOI: 10.4103/jfmpc.jfmpc_433_18.

29 A. Saoji, P. Saoji, **A. Mitra**, and S. Hajare, "Development, evaluation and validation of a financial stress scale for traders working in financial market.," *Indian Journal of Community Health*, vol. 31, no. 1, 2019.

30 Mitra, Arun and A. Tomar, "Prevalence and Pattern of Tobacco use among Young Adults Attending a Tertiary care Hospital in Central India," en, *Indian Journal of Youth and Adolescent Health*, vol. 05, no. 02, pp. 15–20, Jun. 2018, ISSN: 23492880. DOI: 10.24321/2349.2880.201808.

31 V. Nagar, P. Prasad, **A. Mitra**, S. Kale, K. Yadav, and M. Shukla, "Assessment of knowledge, attitude and practice about diabetes among diabetic patients of tertiary care centre in central India," *International Journal of Community Medicine and Public Health*, vol. 5, no. 9, p. 4065, 2018.

32 A. Saoji, **A. Mitra**, P. Saoji, and S. Hajare, "Day-traders working in stock market & risk profile of noncommunicable diseases," en, *International Journal of Clinical and Biomedical Research*, pp. 13–17, Jul. 2017, ISSN: 2395-0471. DOI: 10.5455/ijcbr.2017.33.05.

33 **A. Mitra**, "Things I learnt," *Journal of Education Technology in Health Sciences*, vol. 3, no. 1, pp. 30–31, 2016.

34 A. Saoji, A. Deoke, N. Kasturwar, **A. Mitra**, and P. Saoji, "Feedback concerning Compulsory Rotatory Internship Programme (CRIP) and specialty preference among Medical Interns," en, *Journal of Education Technology in Health Sciences*, vol. 3, no. 2, pp. 50–53, Aug. 2016, Number: 2, ISSN: 2393-8005. URL: http://jeths.net/index.php/jeths/article/view/108.

35 A. Saoji, J. Nayse, A. Deoke, and **A. Mitra**, "Maternal risk factors of caesarean delivery in a tertiary care hospital in Central India: A case control study," *People's Journal of Scientific Research*, vol. 9, no. 2, pp. 18–23, 2016.

Global Burden of Disease (GBD) Collaborator Publications

1 GBD 2023 Asia Pacific Adolescent Health Collaborators, "Adolescent health across Asia Pacific, 2000–23: a systematic analysis for the Global Burden of Disease Study 2023," *The Lancet Child & Adolescent Health*, vol. 10, no. 10, pp. 731–754, Oct. 2026, ISSN: 2352-4642. DOI: 10.1016/s2352-4642(26)00163-x.

2 GBD 2023 Diarrhoeal Disease and Enteric Infectious Diseases Collaborators, "Global burden of enteric infectious diseases, diarrhoeal diseases, and corresponding aetiologies, 1990–2023: a systematic analysis for the Global Burden of Disease Study 2023," *The Lancet Infectious Diseases*, vol. 26, no. 10, pp. 988–1009, Oct. 2026, ISSN: 1473-3099. DOI: 10.1016/s1473-3099(26)00194-5.

3 GBD 2023 Heart Failure Collaborators, "Global, Regional, and National Burden of Heart Failure, 1990-2023: A Systematic Analysis for the Global Burden of Disease Study 2023," *JAMA Cardiology*, Sep. 2026, ISSN: 2380-6583. DOI: 10.1001/jamacardio.2026.4068.

4. GBD 2023 Road Injuries Collaborators, "Global, regional, and national burden of road injuries 1990–2023: a systematic analysis for the Global Burden of Disease Study 2023," *The Lancet Public Health*, vol. 11, no. 9, e589–e603, Sep. 2026, ISSN: 2468-2667. DOI: 10.1016/s2468-2667(26)00141-6.

5. GBD 2023 TB HIV Collaborators, "Global, regional, and national burden of tuberculosis and multidrug-resistant tuberculosis by HIV status, 1990–2023: a systematic analysis for the Global Burden of Disease Study 2023," *The Lancet Infectious Diseases*, Jul. 2026, ISSN: 1473-3099. DOI: 10.1016/s1473-3099(26)00295-1.

6. India State-Level Disease Burden Initiative Stillbirth Collaborators, "Stillbirths at 22- and 28-weeks' gestation or longer for the states in India: findings from the Global Burden of Disease Study 2023," *The Lancet Regional Health - Southeast Asia*, vol. 52, p. 100 819, Sep. 2026, ISSN: 2772-3682. DOI: 10.1016/j.lansea.2026.100819.

Conference Proceedings

1. **A. Mitra**, B. Soman, R. Gaitonde, T. Bhatnagar, E. Nieuhas, and S. Kumar, "Data Science Approaches to Public Health: Case Studies Using Routine Health Data from India," in *Data Management, Analytics and Innovation*, N. Sharma, A. Goje, A. Chakrabarti, and A. M. Bruckstein, Eds., Singapore: Springer Nature Singapore, 2023, pp. 913–940, ISBN: 978-981-9914-14-2.

2. **A. Mitra**, B. Soman, R. Gaitonde, T. Bhatnagar, E. Nieuhas, and S. Kumar, "Data Science Approaches to Public Health: Case Studies Using Routine Health Data from India," in *Data Management, Analytics and Innovation*, N. Sharma, A. Goje, A. Chakrabarti, and A. M. Bruckstein, Eds., ser. Lecture Notes in Networks and Systems, Singapore: Springer Nature, 2023, pp. 913–940, ISBN: 978-981-9914-14-2. DOI: 10.1007/978-981-99-1414-2_63.

3. A. Murali, **A. Mitra**, S. Sahay, and B. Soman, "Outbreak and Pandemic Management in MOOCs: Current Status and Scope for Public Health Data Science Education," in *Data Management, Analytics and Innovation*, N. Sharma, A. Goje, A. Chakrabarti, and A. M. Bruckstein, Eds., Singapore: Springer Nature Singapore, 2023, pp. 897–912, ISBN: 978-981-9914-14-2.

4. **A. Mitra**, "Retinal Disease Classification Using Deep Learning Networks : applications in teleophthalmology," in *Proceedings of the 17th International Conference of Telemedicine Socitey of India*, India: TSI, India, Nov. 2021.

5. **A. Mitra**, G. Singh, B. Soman, R. Gaitonde, and A. Roy, "Data Science Approach to Track and Monitor COVID-19 in India: Development of an Interactive Dashboard," in *Health System Research*, JIPMER, Pondicherry: IPHA, Sep. 2021.

6. **A. Mitra**, B. Soman, R. Gaitonde, G. Singh, and A. Roy, "Tracking and Monitoring COVID-19 in Kerala: Development of an Interactive Dashboard," in *Health System Research*, Cochin, Kerala, Oct. 2021.

7. **A. Mitra**, B. Soman, and G. Singh, "An interactive dashboard for real-time analytics and monitoring of COVID-19 outbreak in India: A proof of concept," in *arXiv preprint arXiv:2108.09937*, Norway: International Federation for Information Processing, 2021. DOI: http://doi.org/arxiv-2108.09937.

Books and Chapters

1. **A. Mitra**, B. Soman, G. Singh, A. Roy, M. Nesan, and A. Paul, *Communicating Research Effectively with R*. Feb. 2024. URL: https://drarunmitra.github.io/communicating-research-workshop/.

2. G. Singh, **A. Mitra**, B. Soman, and A. Yadav, *Spatial Epidemiology Using R*. Feb. 2024. URL: https://drgurpreet.github.io/spatial_epi_iapsmcon2024/.

3. G. Singh, A. Yadav, B. Soman, and **A. Mitra**, *Time Series Forecasting Using R*. Mar. 2024. URL: https://drgurpreet.github.io/time_series_IPHACON2024/.

4. **A. Mitra**, A. Pakhare, A. Joshi, and A. Roy, *Incidence Modelling - COVID19 - Computational Workflow V1*. Jul. 2020. DOI: 10.17504/protocols.io.bh8vj9w6.

References

References available on request.