



# School of Epidemiology and Public Health (SEPH)

**DATTA MEGHE INSTITUTE OF MEDICAL SCIENCES**

[Declared as Deemed to be University Under Section 3 of UGC Act, 1956]

Conferred 'A' grade Status by HRD Ministry, Govt. of India

Re-accredited by NAAC (3<sup>rd</sup> Cycle) with 'A+' Grade (Score 3.53 on 7 Point Scale)

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### PUBLICATIONS :

#### Year 2022 :

1. **Mahobia, Alka, and Sonali G. Choudhari.** "Social Security Measures of Reproductive Health Among Adolescents in India: A Narrative Review." *Cureus* 14.8 (2022).
2. Role of Art Therapy in the Promotion of Mental Health: A Critical Review  
A Shukla, **SG Choudhari, AM Gaidhane, ZQ Syed** - *Cureus*, 2022
3. Age–sex differences in the global burden of lower respiratory infections and risk factors, 1990–2019: results from the Global Burden of Disease Study 2019. HH Kyu, A Vongpradith, SB Sirota, A Novotney, **SG Choudhari, AM Gaidhane**, *The Lancet Infectious Diseases*, 2022
4. 'Digital Wellbeing': The Need of the Hour in Today's Digitalized and Technology Driven World!  
NM Thomas, **SG Choudhari, AM Gaidhane, ZQ Syed** - *Cureus*, 2022
5. The burden of soil-transmitted helminths infections among pregnant women in Maharashtra and Rajasthan states of India. **A Gaidhane**, V Kirti, P Bharadawaj, S Gaidhane... - *Journal of Family Medicine and Primary Care*, 2022
6. Sheena, Brittney S., et al. "Global, regional, and national burden of hepatitis B, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019." *The Lancet Gastroenterology & Hepatology* 7.9 (2022): 796-829.
7. Turankar, T., Gaidhane, S. A., Karadbhajane, P. A., Chaudhari, S. G., Gaidhane, A. M., & Sawale, S. R. (2022). Awareness Regarding Antimicrobial Use and Antimicrobial Resistance among Health Care Professionals and Lay Persons. *Journal of Evolution of Medical and Dental Sciences*, 533-536.
8. Effectiveness of family-centered program for enhancing competencies of responsive parenting among caregivers for early childhood development in rural India. A Gaidhane, S Telrandhe, P Holding, M Patil... - *Acta Psychologica*, 2022
9. Cousin, E., Duncan, B. B., Stein, C., Ong, K. L., Vos, T., Abbafati, C., ... & Haque, S. (2022). Diabetes mortality and trends before 25 years of age: an analysis of the Global Burden of Disease Study 2019. *The Lancet diabetes & endocrinology*, 10(3), 177-192.
10. Health-Related Quality of Life (HRQoL) of Patients with Tuberculosis: A Review  
S Yasobant, M Nazli Khatib, ZQ Syed, AM Gaidhane - *Infectious Disease Reports*, 2022
11. Gaps and Interventions across the Diagnostic Care Cascade of TB Patients at the Level of Patient, Community and Health System: A Qualitative Review of the Literature. HD Shah, M Nazli Khatib, ZQ Syed, AM Gaidhane... - *Tropical Medicine and Infectious Disease*, 2022
12. Effectiveness of Play Therapy Programme in Promoting Early Child Development of under-5 Children visiting Tertiary Care Hospital in Rural Settings: Study Protocol of A Randomized Controlled Trial. MS Patil, AM Gaidhane, SZ Quazi - 2022
13. COVID-19 and Early Childhood Development in Rural India. S Balasubramaniam, A Gaidhane, Q Zahiruddin... - *Pediatrics*, 2022
14. Study Protocol for Process Evaluation of Health and Wellness Center Programme in Bhandara District of Maharashtra, 2022
15. Analytical cross sectional study on association of dietary habits with overweight and obesity among adolescents. Najnin Khanam, **Abhay Gaidhane, Quazi S. Zahiruddin**, Gopal P. Soni,

**Year 2021**

16. P Uikey, A Gaidhane, SZ Quazi, SM Ambekar - Journal of Pharmaceutical Research International, 2021
17. 'Menstruation Awareness Activities' for Improving the Knowledge, Awareness and Practices Regarding Menstrual Hygiene among Adolescent Girls: A Study Protocol  
A Gaidhane, S Choudhari, S Dakhode, N Jhadi - Journal of Pharmaceutical Research International, 2021
18. GBD 2019 HIV Collaborators - Jahagirdar D, Walters MK, Novotney A, Brewer ED, Frank TD, Carter A, **Gaidhane Abhay, Choudhari S. et al.** Global, regional, and national sex-specific burden and control of the HIV epidemic, 1990–2019, for 204 countries and territories: the Global Burden of Diseases Study 2019. The Lancet HIV. 2021;8(10):e633-e51.
19. GBD 2019 Blindness and Vision Impairment Collaborators. Burne R, Steinmetz JD, Flaxman S, Briant PS, Taylor HR, Resnikoff S, **Gaidhane Abhay, Gaidhane S et al.** Trends in prevalence of blindness and distance and near vision impairment over 30 years: an analysis for the Global Burden of Disease Study. The Lancet Global Health. 2021;9(2):e130-e43
20. Patel M., Bhardwa P., Saxena D., Joshi N., Kumar N., Kuldeep Singh K., **Gaidhane A., Quazi S.Z., Jain Y.** Public Health News Appraisal: An Approach to Content Analysis of News Article on Public Health. Ann Natl Acad Med Sci (India) 2021;00:1–7
21. GBD 2019 Hearing loss Collaborators. Haile LM, Kamenov K, Briant PS, Orji AU, Steinmetz JD, Abdoli A... **Gaidhane A Quazi SZ.** Hearing loss prevalence and years lived with disability, 1990–2019: findings from the Global Burden of Disease Study 2019. The Lancet. 2021; 397(10278): 996 – 1009.
22. Mithra P, Khatib MN, Sinha AP, Kumar N, Holla R, Unnikrishnan B, Vijayamma R, Nair N.S., **Gaidhane A, Quazi SZ.** Interventions for Addressing Anemia Among Children and Adolescents: An Overview of Systematic Reviews. Frontiers in Pediatrics. 2021;8(961) doi: 10.3389/fped.2020.549549
23. Komal Shah, Deepika Singhal, Ashka Patel, Binita Gadhavi, Jay Karan, **Abhay Gaidhane**, Deepak B Saxena. Dry eye Disease During COVID-19: Need for Investment Into Research to Develop Solutions?. Indian Journal of Forensic Medicine & Toxicology. 2021;15(1), 409-412. <https://doi.org/10.37506/ijfmt.v15i1.13441>
24. Quazi SZ, Patil M, Mishra G, **Gaidhane A.** COVID 19 One Health Approach. The Open Public Health Journal. 2021;14(S-1, M1): 116-117
25. Lalwani L, Mishra M, **Gaidhane A, Nazli Quazi**, Taksande A. Chest Physiotherapy in Patients Admitted to the Intensive Care Unit With COVID-19: A Review. The Open Public Health Journal. 2021;14(S1M6):145-148
26. Chhablani N1, Choudhari SG, **Gaidhane AM, Quazi S.Z.** Revisiting Organ Donation – Voyage from Death, Donation, Transportation to Organ Transplantation. International Journal of Current Research and Review. 2021;13(10):147-150.
27. Karadbhajne P, Tambekar A, **Gaidhane A**, Quazi SZ, Gaidhane S, Patil M. Ancylostoma duodenale and Ascaris lumbricoides Mixed Infection in Pregnant Woman in Maharashtra Journal of University of Shanghai for Science and Technology. 2021; 23(1): 344-351

## **Year 2020**

28. Gaidhane Abhay, Holding P, Shah M, Patil M, Telrandhe S, Jadhav N, et al. Photostory—A “Stepping Stone” Approach to Community Engagement in Early Child Development. *Frontiers in Public Health*. 2020;8(907).
29. GBD 2019 Viewpoint Collaborators. Quazi SZ, Khatib N, Gaidhane Abhay. Five insights from the Global Burden of Disease Study 2019. *Lancet*. 2020 Oct 17;396(10258):1135-1159. doi: 10.1016/S0140-6736(20)31404-5. PMID: 33069324; PMCID: PMC7116361.
30. GBD 2019 Universal Health Coverage Collaborators. Gaidhane Abhay. Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet*. 2020 Oct 17;396(10258):1250-1284. doi: 10.1016/S0140-6736(20)30750-9. Epub 2020 Aug 27. PMID: 32861314; PMCID: PMC7562819.
31. Singhal S, Singhal P, Mittal A, Agarwal BK, Khatib NM, Gaidhane A. COVID 19 Pandemic; A Review on Understanding Mode of Transmission and Application of Strategies to Delay/Stop Transmission with Special Reference to India. *Open public health journal*. Volume 14; 2020. PII BMS-TOPHJ-2020-HT1-1786-6 (ahead of Print)
32. Prothasis M, Varma A, Gaidhane S, Kumar S, Khatib N, Zahiruddin QS, Gaidhane A. Prevalence, types, risk factors, and outcomes of cardiorenal syndrome in a rural population of central India:A cross-sectional study. *J Family Med Prim Care* 2020;9:4127-33.
33. Mahalaqua Nazli Khatib, Punit Fulzele, Mahajeeb Ahmed, Sonali Chaudhary, Pankaj Bharadwaj, Unnikrishnan B, Abhay M Gaidhane, Quazi Syed Zahiruddin. Interventions for promoting and optimizing breastfeeding practices: An overview of systematic review. *International Journal of Psychosocial Rehabilitation* 2020;24(6):8149-62
34. Nilesh Gawde, Punit Fulzele, Sonali Chaudhary, Deepak Saxena, Pankaj Bharadwaj, B Unnikrishnana, Abhay M. Gaidhane, Quazi Syed Zahiruddin. Effectiveness of tobacco cessation interventions in Maharashtra: A study protocol. *International Journal of Psychosocial Rehabilitation* 2020;24(6):8163-73
35. Priti Karadbhajne, Anil Tambekar, Abhay Gaidhane, Zahiruddin Quazi Syed, Shilpa Gaidhane, Manoj Patil. Amoebiasis in pregnant woman: A case report. *Medical Science*, 2020, 24(104), 1814-1817
36. Prashant S. Bhokardankar, Pramod Khobragade, Abhay M. Gaidhane. Probable role of ayurvedic drug vasa in the management of coronavirus disease (Covid-19). *JCR*. (2020); 7(10): 58 60. doi:10.31838/jcr.07.10.14
37. Yogita K Shrivastava, R P Tiwari, Abhay M. Gaidhane. Potential of preventive role of ayurvedic management in flue like symptoms in children: a review. *JCR*. (2020); 7(10): 54-57. doi:10.31838/jcr.07.10.13
38. Manoj Patil, Shital Telrande, Mahalaqua Nazli Khatib, Shilpa Gaidhane, Deepak Saxena, Pankaj Bhardwaj, B. Unnikrishnan, Abhay Gaidhane, Quazi Syed Zahiruddin. Stimulating home environment for early childhood development by household play materials for under 5 rural children in forest buffer zone of Wardha district. *J. Evolution Med. Dent. Sci*. 2020;9(16): 1336-1340
39. Lajwanti Lalwani, Athuruddin Kazi, Nazli Quazi, Zahiruddin Quazi, Abhay Gaidhane, Manish Sonkusale, Amar Taksande. Safety and efficacy of lung recruitment manoeuvre as an adjunct to chest physical therapy in post-operative paediatric congenital heart disease patients on mechanical ventilation: An interventional study. *European Journal of Molecular & Clinical Medicine*. 2020; 7 (7): 1892-1901

40. Manoj Patil, Mahlaqua Nazli Khatib, Shilpa Gaidhane, Shital Telrandhe, Deepak Saxena, Unnikrishnan B., Pankaj Bhardwaj, Abhay M. Gaidhane, Quazi Syed Zahiruddin. Process of developing the online certification tests for research project trainees and assessing the feasibility for adaptation in maternal and child health projects. *Evolution Med. Dent. Sci.* 2020;9(17):1446-1449.
41. Gaidhane S, Khatib N, Zahiruddin QS, Bang A, Choudhari S, Gaidhane A. Cardiovascular disease risk assessment and treatment among person with type 2 diabetes mellitus at the primary care level in rural central India. *J Family Med Prim Care* 2020;9: 2033-9.
42. Khatib MN, Gaidhane A, Ahmed M, Saxena D, Quazi SZ. Early Childhood Development Programs in Low Middle-Income Countries for Rearing Healthy Children: A Systematic Review. *Journal of Clinical and Diagnostic Research*, 2020; 14(1): LE01-LE07
43. Quazi SZ, Gaidhane A, Gaidhane S, Khatib MN, Zodpey S. Cultural competency framework for Master of Public Health (MPH) Program: Calling for Action. *Medical Science*, 2020, 24(102), 776-785
44. Dixit A, Khatib N, Gaidhane S, Gaidhane AM, Quazi SZ. Assessment of serum lipid profile in patients with thyroid disorders in a rural backdrop of central India. *Medical Science*, 2020; 24(101): 1-11
45. Shrivastava P, Khatib NM, Gaidhane S, Shrivastava S, Gaidhane AM, Quazi SZ. Assessment of mean platelet volume (MPV) in subjects with Type 2 Diabetes Mellitus (T2DM) in a rural backdrop of central India. *Medical Science*, 2020; 24(101):12-21
46. Borle R, Nimonkar P, Hingnikar P, Khatib N\*, Gaidhane AM, Quazi SZ . Efficacy and safety of different interpositional flaps and grafts for closing fibrotomy wound in patients of oral submucosal fibrosis: A systematic review with meta-analysis. *Medical Science*, 2020; 23(100): 1031-1048
47. Tambekar A, Burnase N, Gaidhane A, Fulzele P, Quazi SZ. Foldscope assisted microscopy for the examination of Soil Transmitted Helminths (STH). *Medical Science*, 2020, 24(101), 102-106
48. Tambekar A, Burnase N, Gaidhane A, Fulzele P, Quazi SZ. Comparison of two microscopic methods for the detection of parasitic infection in antenatal women in selected areas. *Medical Science*, 2020, 24(102), 557-564
49. Patil M, Telrandhe S, Khatib MN, Gaidhane S, Saxena D, Saha S, Bharadwaj P, Gaidhane A, Quazi SZ. Improvements in developmental outcomes of an 18 month old child from rural wardha : A Case study *Medical Science*, 2020, 24(103), 1302-1306
50. Dakhode S, Gaidhane A, Choudhari S. Accessibility and utilization of emergency obstetric care in rural settings of Wardha district- beneficiaries' perspective. *J. Evolution Med. Dent. Sci.* 2020;9 (07):437-442, DOI: 10.14260/jemds/2020/99

**IPR:**

**Patents:** School has two patents to its credits for biomedical devices, including one international patent

**Copyright:** School has six copyright on modules on early child development for the front line health workers / volunteers

## AWARDS AND RECOGNITION:

1. MPH student Dr Fatima Hasan (batch July 2021) cleared Round 1 and Round 2 of Spirituality in Research- Yopund Investigator award .
2. One faculty and 15 MPH students of 2020, 2021 batches completed the Swayam course on Research Methodology by NIE Chennai
3. Dr Abhay Gaidhane - Participated as a faculty in international Webinar on Measurement for Change
4. Dr Quazi Syed Zahiruddin and Dr Abhay Gaidhane participated as a panelist at the International Panel Discussion on review of series recently published in Frontiers of Public Health
5. **ICMR- NIREH Workshop-** 2 MPH students (Dr Neha Gurbani, Ms Akanksha Likhar) Batch- Jun 2020, got selected and successfully completed ICMR-NIREH funded workshop on WASH at Bhopal in April 2022.



## NOTABLE FEATURES :

- Placement – MPH Alumni are placed in various position from corporates (TCS, pharma company etc), NGOs (Mahan, SEARCH etc), Government (NHM – district coordinator and state coordinators, National level consultant)
- Placement is primarily in Maharashtra, Chhattisgarh, New Delhi and other parts of country
- Three patents (One international)
- Three copyrights
- Four MPH alumni – registered for PhD in epidemiology

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