

Publications of 2024

January:

1. Sahoo KC, Sinha A, Sahoo RK, Suman SS, Bhattacharya D, Pati S. Diagnostic Validation and Feasibility of a Non-invasive Haemoglobin Screening Device (EzeCheck) for 'Anaemia Mukht Bharat' in India. *Cureus*. 2024 Jan 24;16(1):e52877. PMID: 38406104; PMCID: PMC10894012.) DOI: <https://doi.org/10.7759/cureus.52877>

February:

2. Pattnaik M, Nayak AK, Karna S, Rehman T, Sahoo SK, Palo SK, Kanungo S, Kshatri JS, Parai D, Walia K, Pati S, Bhattacharya D. Social and biological evaluation of antimicrobial resistance (SOBEAR) in rural India: a study protocol. *Front Public Health*. 2024 Feb 1;12:1296382. PMID: 38362213; PMCID: PMC10867149. DOI: <https://doi.org/10.3389/fpubh.2024.1296382> (I.F.=6.461)
3. Babu BV, Hazarika CR, Raina SK, Masoodi SR, Basappa YC, Thomas N, Kerketta AS, Menon NK, Jebasingh FK. Prevalence of type 2 diabetes among tribal population of India: a multi-centric cross-sectional study. *J Natl Med Assoc*. 2024 Jan 29:S0027-9684(24)00001-4.. Epub ahead of print. PMID: 38290904. DOI: <https://doi.org/10.1016/j.jnma.2024.01.004> (I.F.=2.739)
4. Chauhan A, Parmar M, Rajesham JD, Shukla S, Sahoo KC, Chauhan S, Chitiboyina S, Sinha A, Srigana G, Gorla M, Pati S. Landscaping tuberculosis multimorbidity: findings from a cross-sectional study in india. *BMC Public Health*. 2024 Feb 13;24(1):453. DOI: <https://doi.org/10.1186/s12889-024-17828-z> (I.F.=4.5)
5. Ratna P, Sinha A, Pati S, Sahoo PK. Factors influencing implementation of mass drug administration for lymphatic filariasis elimination: a mixed-method study in Odisha, India. *Frontiers in Pharmacology*. 2024 Feb DOI: <https://doi.org/10.3389/fphar.2024.1297954> (I.F.= 5.6)
6. Samanta B, Panda Bhabani S , Mohapatra S, Nayak S, Bhattacharya D, Sahoo CR. Base catalyzed one-pot thia-Michael addition-oxidation reaction of hetero-aromatic thiols to 2-aryl-3-nitro-2h-chromenes and their antibacterial evaluation. *New Journal Of Chemistry*. 2024 Feb

DOI: <https://doi.org/10.1039/D3NJ05992H> (I.F.= 3.3)

7. Nayak D, Varanasi R, Sinha A, Janardhanan R, Tandon S, Pati S. Incidence of acute undifferentiated febrile illnesses in an urban slum of Delhi: A longitudinal cohort study. *Clinical Epidemiology and Global Health*. 2024 Feb 10:101550.

DOI: <https://doi.org/10.1016/j.cegh.2024.101550> (I.F.=2.6)

March:

8. Sinha A, Mohapatra S, Sahoo KC, Mohanty S, Sahoo B, Pati S, Sahoo PK. Motivation-opportunity-ability-behaviour of community members and program implementers towards mass drug administration for lymphatic filariasis elimination in India: a systematic review and implementation priority. *Trans R Soc Trop Med Hyg*. 2024 Mar 20:trae008. Epub ahead of print. PMID: 38506271.

DOI: <https://doi.org/10.1093/trstmh/trae008> (I.F.=2.455)

April:

9. Panda S, Sahu MC, Turuk J, Pati S. Mucormycosis: A Rare disease to Notifiable Disease. *Braz J Microbiol*. 2024 Apr 1. doi: 10.1007/s42770-024-01315-z. Epub ahead of print. PMID: 38561499.

DOI: <https://doi.org/10.1007/s42770-024-01315-z> (I.F.=2.2)

10. Essig S, Pati S. Editorial: Multimorbidity in primary care. *Front Med (Lausanne)*. 2024 Mar 25;11:1401711. PMID: 38590319; PMCID: PMC10999672.

DOI: <https://doi.org/10.3389/fmed.2024.1401711> (I.F.=3.9)

11. Pattnaik M, Choudhary HR, Parai D, Shandilya J, Padhi AK, Sahoo N, Ghosal S, Sathpathy S, Panigrahi SK, Sahu SK, Samantaray A, Pati S, Bhattacharya D. One Health intervention for elimination of anthrax in an endemic district of Odisha: A baseline and endline study. *One Health*. 2024 Apr 12:100729.

DOI: <https://doi.org/10.1016/j.onehlt.2024.100729> (I.F.=5)

12. Jain HK, Das A, Dixit S, Kaur H, Pati S, Ranjit M, Dutta A, Bal M. Development and implementation of a strategy for early diagnosis and management of scrub typhus: an emerging public health threat. *Frontiers in Public Health*. 2024 Apr 10;12:1347183.

DOI: <https://doi.org/10.3389/fpubh.2024.1347183> (I.F.=5.2)

May:

13. Patsani P, Parida J, Jena S, Panda A, Patra PK, Pati S, Kaur H, Acharya SK. A scoping review on knowledge, beliefs and practices towards HIV/AIDS among Indian adolescents. *Children and Youth Services Review*. 2024 May 7:107608
DOI: <https://doi.org/10.1016/j.chidyouth.2024.107608> (I.F.=3.3)
14. Ganesh B, Rajakumar T, Acharya SK, Devika S, Ramachandran V, Yuvaraj J, Nadkarni A, Rajasubramaniam S, Kaur H. Prevalence of hemoglobinopathies among Malayali tribes of Jawadhu hills, Tiruvannamalai district, Tamil Nadu, India: a community-based cross-sectional study. *Hematology*. 2024 Dec;29(1):2350320. Epub 2024 May 14. PMID: 38743508
DOI: <https://doi.org/10.1080/16078454.2024.2350320> (I.F.=1.9)
15. Chauhan A, Mahapatra P, Shukla A, Karthickeyan V, Sinha A, Pati S. Non-communicable disease risk reduction training for medical graduates in India: context, challenges and opportunities. *J Public Health Policy*. 2024 May 24.
DOI: <https://doi.org/10.1057/s41271-024-00490-5> (I.F. =3.8)

June:

16. Chauhan A, Parmar M, Dash GC, Chauhan S, Sahoo KC, Samantaray K, Sharma J, Mahapatra P, Pati S. Health literacy and tuberculosis control: systematic review and meta-analysis. *Bull World Health Organ*. 2024 Jun 1;102(6):421-431.
DOI: <https://doi.org/10.2471/BLT.23.290396> (I.F.=11.1)
17. Mahapatra P, Sahoo KC, Pati S. A longitudinal qualitative study on physician experience in managing multimorbidity across the COVID-19 pandemic in Odisha, India. *Sci Rep*. 2024 Jun 4;14(1):12866.
DOI: <https://doi.org/10.1038/s41598-024-60473-0> (I.F.= 4.6)
18. Varanasi R, Sinha A, Bhatia M, Nayak D, Manchanda RK, Janardhanan R, Lee JT, Tandon S, Pati S. Epidemiology and impact of chronic disease multimorbidity in India: a systematic review and meta-analysis. *J Multimorb Comorb*. 2024 Jun 5;14:26335565241258851.
DOI: <https://doi.org/10.1177/26335565241258851>

19. de Vos M, David A, Duraisamy K, Nadarajan D, Noroc E, Penn-Nicholson A, Crudu V, Giri S, Maurer FP, Pati S, Stevens W, Scott L, Turuk J, Schumacher SG, Ruhwald M; Study Group. Accuracy of cobas MTB and MTB-RIF/INH for detection of Mycobacterium tuberculosis and drug resistance. *J Mol Diagn*. 2024 Jun 6:S1525-1578(24)00117-X.
DOI: <https://doi.org/10.1016/j.jmoldx.2024.05.004> (I.F.= 4.1)
20. Chauhan A, Sinha A, Mahapatra P, Pati S. A need to integrate healthcare services for HIV and non-communicable diseases: An Indian perspective. *Natl Med J India*. 2023;36:387–92.
DOI: https://doi.org/10.25259/NMJI_901_2022 (I.F.=0.4)
21. Singh K, Hussain T, Gupta B, Pati S. A Comparative Investigation on Cytokine Expression in Pulmonary Tuberculosis and Comorbidity with Type 2 Diabetes Mellitus. *International Journal of Mycobacteriology*.13(2):p 165-170, Apr–Jun 2024.
DOI: https://doi.org/10.4103/ijmy.ijmy_40_24
22. Singh K, Barik BS, Das S, Hussain T, Gupta B, Das D, Pati S. Drug susceptibility testing and line probe assay of first-line anti-tuberculosis drugs among presumptive tuberculosis patients attending a secondary care hospital in Bhubaneswar. *Journal of Family Medicine and Primary Care*. 13(6):p 2491-2498, June 2024.
DOI: https://doi.org/10.4103/jfmpe.jfmpe_736_23
23. Manna S, Singh D, Barik M, Rehman T, Ghosal S, Kanungo S, Pati S. Prevalence of intimate partner violence among Indian women and their determinants: a cross-sectional study from national family health survey - 5. *BMC Womens Health*. 2024 Jun 22;24(1):363.
DOI: <https://doi.org/10.1186/s12905-024-03204-x> (I.F.=2.5)

July:

24. Pradhan MM, Sahoo KC, Rana R, Ranjit M, Sanghamitra Pati S. Engagement of Panchayat Raj Institution (PRI) Members in Malaria Elimination Efforts in Remote Villages of Odisha, India. *Journal of Communicable Diseases*. 2024 July ;56(2):45-52
DOI: <https://doi.org/10.24321/0019.5138.202431>

25. Chauhan A, Parmar M, Dash G, Solanki H, Chauhan S, Sahoo KC, Vadera B, Rao R, Kumar R, Rade K, Pati S. Prevalence of Tuberculosis Infection among Various Risk Groups in India: A Systematic Review and Meta-Analysis. *Indian Journal of Community Medicine*. 2024 July 3:10-4103. DOI: https://doi.org/10.4103/ijcm.ijcm_36_24
26. Singh S, Dutta S, Kanungo S, Pati S. India's Fight against Heat Wave: Do We Need to Do More? *Indian J Public Health*. 2024 Apr 1;68(2):334-335. Epub 2024 Jun 29. DOI: https://doi.org/10.4103/ijph.ijph_14_24 (I.F.=1.7)

August:

27. Panda BS, Ahemad MA, Mohapatra S, Naik E, Nayak S, Mohapatra S, Naik PK, Bhattacharya D, Sahoo CR, Sahoo MK. Microwave-assisted Click Synthesis, Characterisation, and In silico Studies of novel 2H-chromene-1, 2, 3-triazolyl glycoconjugates as Potent Anticancer and Antibacterial agents. *Journal of Molecular Structure*. 2024 Jul 17:139323. DOI: <https://doi.org/10.1016/j.molstruc.2024.139323> (I.F.=3.8)
28. Panda J, Raiguru BP, Nayak S, Mohapatra S, Mohapatra S, Rout S, Mohanty P, Biswal HS, Bhattacharya D, Sahoo CR. [3+ 2] Cycloaddition mediated synthesis of spirooxindole pyrrolidine/piperidine fused chromene aldehyde derivatives: DFT studies, antibacterial evaluation and molecular docking investigation as DNA gyrase inhibitors. *New Journal of Chemistry*. 2024;48(30):13609-30. DOI: <https://doi.org/10.1039/d4nj01102c> (I.F.=3.3)
29. Sahoo KC, Dwivedi R, Athe DR, Chauhan A, Jain S, Sahoo RK, Bhattacharya D, Rajsekhar K, Pati S. Cost-effectiveness of Portable-Automated ABR for Universal Neonatal Hearing Screening in India. *Frontiers in Public Health*. 2024 Aug 12;12:1364226. DOI: <https://doi.org/10.3389/fpubh.2024.1364226> (I.F.=5.2)

September:

30. Negi S, Tripathy S, Sahoo KC, Shamim MA, Kumar D, Mehta V, Behera D. Menstrual cup adoption among reproductive age women in India: a systematic review and meta-analysis. *Women Health*. 2024 Sep;64(8):648-661. DOI: <https://doi.org/10.1080/03630242.2024.2394772> (I.F.=1.2)

31. Raina SK, Babu BV, Basappa YC, Hazarika CR, Jebasingh FK, Masoodi SR, Thomas N, Kerketta AS, Menon NK. Development of Protocol for the Indian Council of Medical Research (ICMR) task force study to strengthen the implementation of National Programme for Prevention and Control of Non-Communicable Diseases (NP-NCD) in tribal population. *Journal of Family Medicine and Primary Care*. 2024 Sep 1;13(9):4083-9.
DOI: https://doi.org/10.4103/jfmpe.jfmpe_495_24 (I.F.=1.1)
32. Menon JC, Nair B, Pati S, Pillay VV, Mahapatra A, Sreekrishnan TP, Vanuopadath M, John D, Nair SB, Sahoo PK, M S A, Sreedevi A, Jankiram C, Joseph JK. From neglect to equity in snakebite envenoming; what the ICMR-Collaborative Centre of Excellence (CCoE) targets. *PLOS Neglected Tropical Diseases*. 2024 Sep 12;18(9):e0012425.
DOI: <https://doi.org/10.1371/journal.pntd.0012425>
33. Pattnaik A, Pati S, Samal SK. Bacteriophage as a Potential Biotherapeutics to Combat Present-Day Crisis of Multi-Drug Resistant Pathogens. *Heliyon*. 2024 Sep 5. (I.F.=4)
DOI: <https://doi.org/10.1016/j.heliyon.2024.e37489> (I.F.=3.8)
34. Sinha A, Suman SS, Subedi N, Sahoo KC, Poudel M, Chauhan A, Sahoo B, van den Akker M, Weller D, Mercer SW, Pati S. Epidemiology of multimorbidity in Nepal: A systematic review and meta-analysis. *Journal of Multimorbidity and Comorbidity*. 2024 Sep 14;14:26335565241284022.
DOI: <https://doi.org/10.1177/26335565241284022>
35. Sahoo KC, Sahoo D, Pati S. Care-seeking pathways and treatment practices for snakebite in Odisha, India. *Discover Public Health*. 2024 Sept 27
DOI: <https://doi.org/10.1186/s12982-024-00241-7> (I.F.=3.6)
36. Thangaraj JWV, Krishna NS, Devika S, Egambaram S, Dhanapal SR, Khan SA, Srivastava AK, Mishra A, Shrinivasa B, Gour D, Madhukar M, Verma N, Sharma P, Soni RK, Ramasamy S, Mohandas S, Baidya S, Rehman T, Yeldandi VV, Singh A, Sreedevi A, Tandale BV, Purakayastha DR, Reddy MM, Toppo M, Solanki NV, Ghosh P, Jaiswal P, Vyas S, Das S, Palo SK, Prasanth V, Rozario AGA, Durairajan C, Delli A, Sasi A, Pandiyan C, Ashwathnarayana DH, Joy S, Isloor S, Sudarshan MK, Rahi M, Murhekar MV, Patil DB, Paramasivam R, Pharande RR, Singh KP,

Abraham SS, Sujatha A, Manoharan P, Gopal DR, George SST, Zaman K, Pandey K, Singh N, Chander MP, Pati S, Singh S, Menon VB, Bathini VG, Ali A, Mahajan H, Jain K, Kant R, Varkey RA, Gandhamalla SR, Chinnappan P, Ramakrishnan G, Paparaju AK, Arunachalam S, Duraisamy A, Kannniyappan R, Karunakaran SK, K A, Kumarababu A, Arumugam S. Estimates of the burden of human rabies deaths and animal bites in India, 2022–23: a community-based cross-sectional survey and probability decision-tree modelling study. *Lancet Infectious Diseases*. 2024 Sept 30 DOI: [https://doi.org/10.1016/S1473-3099\(24\)00490-0](https://doi.org/10.1016/S1473-3099(24)00490-0) (I.F.= 56.7)

October:

37. Dash GC, Sahoo KC, Dubey S, Sahoo RK, Naik J, Rajsekar K, Bhattacharya D, Pati S. Telemedicine-Enabled Otoscopes as Catalysts for Accessible and Preventive Ear Health Care: Systematic Review and Meta-analysis. *Indian Journal of Community Medicine* 49(6):p 796-804, Nov–Dec 2024.
DOI: https://doi.org/10.4103/ijcm.ijcm_9_24 (I.F.= 0.9)
38. Agrawal R, Sinha A, Murmu J, Kanungo S, Pati S. Understanding the association of disability with multimorbidity, and healthcare utilization in India's older adult population: insights from cross-sectional evidence of SAGE-2. *Frontiers in Public Health*. 2024 Oct. 23; 12:1435315.
DOI: <https://doi.org/10.3389/fpubh.2024.1435315> (I.F. = 3.0)
39. Ghosal S, Pradhan R, Singh S, Velayudhan A, Kerketta S, Parai D, Choudhary HR, Pattnaik M, Bhattacharya D, Pati S. One health intervention for the control and elimination of scrub typhus, anthrax, and brucellosis in Southeast Asia: a systematic review. *The Lancet Regional Health - Southeast Asia*. 2024 Oct. 24; 30: 100503.
DOI: <https://doi.org/10.1016/j.lansea.2024.100503> (I.F. = 5.0)
40. Das S, Barik BS, Dash G, Chandan S, Barik M, Hussain N, Hussain T, Gupta B, Pati S. Prevalence, risk factors and morbidities of Type 2 diabetes among COPD patients at a Bhubaneswar secondary care hospital. *International Journal of Diabetes in Developing Countries*. 2024Oct.07
DOI: <https://doi.org/10.1007/s13410-024-01404-7> (I.F. = 0.7)

41. Singh K, Barik BS, Chandan S, Hussain T, Dash G, Hussain NA, Gupta B, Pati S. TB-Diabetes co-morbidity and its associated risk factors among patients attending a healthcare facility in Bhubaneswar: a cross-sectional study. *International Journal of Diabetes in Developing Countries*. 2024Oct.09
DOI: <https://doi.org/10.1007/s13410-024-01410-9>. (I.F. = 0.7)

November:

42. Sahoo RK, Sahoo KC, Dash GC, Kumar G, Baliarsingh SK, Panda B, Pati S. Diagnostic performance of artificial intelligence in detecting oral potentially malignant disorders and oral cancer using medical diagnostic imaging: a systematic review and meta-analysis. *Frontiers in Oral Health*. 2024 Nov.06; 5:1494867.
DOI: <https://doi.org/10.3389/froh.2024.1494867>. (I.F. =3.0)
43. Mohanty S, Behera B, Sinha A, Bal M, Pati S, Sahoo PK. Mass drug administration to eliminate lymphatic filariasis: a population-based coverage and compliance study in Eastern India. *Clinical Epidemiology and Global Health*. 2024 Nov 23:101860.
DOI: <https://doi.org/10.1016/j.cegh.2024.101860>. (I.F. =2.3)

December:

44. Chauhan A, Linares-Jimenez FG, Dash GC, de Zeeuw J, Kumawat A, Mahapatra P, de Winter AF, Mohan S, van den Akker M, Pati S. Unravelling the role of health literacy among individuals with multimorbidity: a systematic review and meta-analysis. *BMJ Open*. 2024 Dec 23;14(12):e073181. PMID: 39719290; PMCID: PMC11667318.
DOI: <https://doi.org/10.1136/bmjopen-2023-073181> (I.F. =2.4)

BOOK (December):

1. Sharma T, Sahoo CR, Bhattacharya D, Pati S, eds. Natural Products for Antibacterial Drug Development: Recent Advancement of Computational Approach. Singapore: Springer Nature; Dec 2024.
ISBN: 9789819796342