

Publication of 2020

1. Anthwal D, Gupta RK, Gomathi NS, Tripathy SP, Das D, Pati S, Panwalkar N, Desikan P, Bala K, Singh UB, Bhalla M, Singhal R, Verma AK, Khayyam KU, Myneedu VP, Sarin R, Sharma S, Bansal AK, Gupta UD, Patil SA, Goyal A, Gupta A, Singh M, Gupta NK, Haldar S, Tyagi JS. Evaluation of 'TBDetect' sputum microscopy kit for improved detection of Mycobacterium tuberculosis: a multi-centric validation study. *Clin Microbiol Infect*. 2020;S1198-743X(20)30503-6. DOI: [10.1016/j.cmi.2020.08.020](https://doi.org/10.1016/j.cmi.2020.08.020) (IF=7.117)
2. Anthe R, Dwivedi R, Pati S, Mazumder A, Banset U. Meta-analysis approach on iron fortification and its effect on pregnancy and its outcome through randomized, controlled trials. *J Fam Med Prim Care*. 2020;9(2):513–9. DOI: [10.4103/jfmprc.jfmprc_817_19](https://doi.org/10.4103/jfmprc.jfmprc_817_19)
3. Bal M, Das A, Ghosal J, Pradhan MM, Khuntia K, Pati S, et al. Assessment of effectiveness of DAMaN : A malaria intervention program initiated by Government of Odisha , India. *PLoS One*. DOI: [10.1371/journal.pone.0238323](https://doi.org/10.1371/journal.pone.0238323) 2020;15(9):1–13. (IF=2.740)
4. Behera SK, Mahapatra N, Tripathy CS, Pati S. Drug repurposing for identification of potential inhibitors against SARS-CoV-2 spike receptor-binding domain: An in silico approach. *Indian J Med Res*. 2020;1–12. DOI: [10.4103/ijmr.IJMR_1132_20](https://doi.org/10.4103/ijmr.IJMR_1132_20) (IF: 1.503)
5. Bhattacharya D, Parai D, Rout UK, Dash P, Nanda RR, Dash GC, Kanungo S, Palo SK, Giri S, Choudhary HR, Kshatri JS, Turuk J, Mishra BK, Lenka RK, Dash S, Pati S. Saliva for diagnosis of SARS-CoV-2: first report from India. *J Med Virol*. 2020 Dec 9. DOI: [10.1002/jmv.26719](https://doi.org/10.1002/jmv.26719). (IF: 2.021)
6. Chaaithanya IK, Bhattacharya D, Patil T, Ghargi KV, Kalal S, Roy S. Etiology of Non-Rotaviral Diarrhea in Hospitalized Children Under Five Years of Age. *Indian J Pediatr*. 2020;81(189):2011–2. DOI: [10.1007/s12098-020-03299-8](https://doi.org/10.1007/s12098-020-03299-8). (IF=1.058)
7. Chandrika K, Naik BN, Kanungo S. Awareness on Cancer Cervix , Willingness , and Barriers for Screening of Cancer Cervix among Women : A Community- Based Cross -Sectional Study from Urban Pondicherry. *Indian J Public Health*. 2020;64(4):374–81
8. Chukwuma CI, Mashele SS, Swain SS. Antidiabetic and antioxidative properties of novel Zn(II)-cinnamic acid complex. *Med Chem*. 2020. DOI: [10.2174/1573406416666200929143257](https://doi.org/10.2174/1573406416666200929143257) (IF=2.577)
9. Dey S, Gaur M, Sahoo RK, Das A, Jain B, Pati S, et al. Genomic characterization of XDR Klebsiella pneumoniae ST147 co-resistant to carbapenem and colistin - The first report in India. *J Glob Antimicrob Resist*. 2020;22:54–6. DOI: [10.1016/j.jgar.2020.05.005](https://doi.org/10.1016/j.jgar.2020.05.005) (IF=2.706)
10. Divya A, Rakesh G, Gomathi GN, Srikanth T, Das D, Pati S, et al. 'TBDetect' sputum microscopy kit for improved detection of Mycobacterium tuberculosis: a multi-centric validation study. *Clin Microbiol Infect*. 2020. DOI: [10.1016/j.cmi.2020.08.020](https://doi.org/10.1016/j.cmi.2020.08.020) (IF=7.117)
11. Dwivedi R, Athe R, Pati S, Sahoo KC, Bhattacharya D. Mapping of Health Technology Assessment (HTA) teaching and training initiatives: Landscape for evidence-based policy decisions in India. *J Fam Med Prim Care*. 2020;9(11):5458–67.

DOI:[10.4103/jfmpe.jfmpe_920_20](https://doi.org/10.4103/jfmpe.jfmpe_920_20)

12. GBD 2016 Occupational Chronic Respiratory Risk Factors Collaborators; GBD 2016 occupational chronic respiratory risk factors collaborators. Global and regional burden of chronic respiratory disease in 2016 arising from non-infectious airborne occupational exposures: a systematic analysis for the Global Burden of Disease Study 2016. *Occup Environ Med.* 2020; 77(3):142-150.
DOI: [10.1136/oemed-2019-106013](https://doi.org/10.1136/oemed-2019-106013)
13. Giri S, Kumar CPG, Khakha SA, Chawla-Sarkar M, Gopalkrishna V, Chitambar SD, et al. Diversity of rotavirus genotypes circulating in children < 5 years of age hospitalized for acute gastroenteritis in India from 2005 to 2016: Analysis of temporal and regional genotype variation. *BMC Infect Dis.* 2020;20(1):1–11.
DOI: [10.1186/s12879-020-05448-y](https://doi.org/10.1186/s12879-020-05448-y)
14. Girish Kumar CP, Giri S, Chawla-Sarkar M, Gopalkrishna V, Chitambar SD, Ray P, et al. Epidemiology of rotavirus diarrhea among children less than 5 years hospitalized with acute gastroenteritis prior to rotavirus vaccine introduction in India. *Vaccine.* 2020;38(51):8154-8160.
DOI: [10.1016/j.vaccine.2020.10.084](https://doi.org/10.1016/j.vaccine.2020.10.084)
15. Hussain T, Das S, Parveen F, PrashantiSamanta MB, Yadav VS, Pati S. Prevalence, risk factors and morbidities of gestational diabetes among pregnant women attending a hospital in an urban area of Bhubaneswar, Odisha. *J Fam Med Prim Care.* 2020;9(10):5327–33.
DOI: [10.4103/jfmpe.jfmpe_869_20](https://doi.org/10.4103/jfmpe.jfmpe_869_20)
16. Hussain T, Tripathy SS, Das S, Satapathy P, Das D, Thomas B, et al. Prevalence, risk factors and health seeking behaviour of pulmonary tuberculosis in four tribal dominated districts of Odisha: Comparison with studies in other regions of India. *PLoS One* . 2020;15(4):1–16.
DOI: [10.1371/journal.pone.0227083](https://doi.org/10.1371/journal.pone.0227083)(IF: 2.74)
17. James SL, Lucchesi LR, Bisignano C, et al. Morbidity and mortality from road injuries: results from the Global Burden of Disease Study 2017. *Inj Prev.* 2020;2019-043302.
DOI: [10.1136/injuryprev-2019-043302](https://doi.org/10.1136/injuryprev-2019-043302)(IF=2.420)
18. Jena S, Sahoo KC, Samal M, Kripalini P, Shrivastava C, Anand H, et al. Rural community attitude towards mental healthcare: a mixed-method study in Khurda district of Odisha, India. *Middle East Curr Psychiatry.*
DOI: [10.1186/s43045-020-00057-6](https://doi.org/10.1186/s43045-020-00057-6)
19. Kshatri JS, Palo SK, Bhoi T, Barik SR, Pati S. Prevalence and Patterns of Multimorbidity Among Rural Elderly: Findings of the AHSETS Study. *Front Public Health.* 2020 ; 8:582663.
DOI: [10.3389/fpubh.2020.582663](https://doi.org/10.3389/fpubh.2020.582663)
20. Kshatri JS, Turuk J, Sabat J, Subhadra S, Ho LM, Rath S, Palo SK, Bhattacharya D, Dwibedi B, Pati S. Epidemiology of viral disease outbreaks in Odisha, india (2010-2019). *Epidemiol Infect.* 2020;16:1-30.
DOI: [10.1017/S0950268820001594](https://doi.org/10.1017/S0950268820001594)(IF=2.152)
21. Kshatri, J. S., Palo, S. K., Bhoi, T., Barik, S. R. &Pati, S. Associations of multimorbidity on frailty and dependence among an elderly rural population: Findings from the AHSETS study. *Mech. Ageing Dev.* 2020;192:111384. DOI: DOI: [10.1016/j.mad.2020.111384](https://doi.org/10.1016/j.mad.2020.111384)(IF=4.304)

22. Local Burden of Disease Child Growth Failure Collaborators. Mapping child growth failure across low- and middle-income countries. *Nature*. 2020;577(7789):231-234. (IF=42.779)
23. Local Burden of Disease Educational Attainment Collaborators. Mapping disparities in education across low- and middle-income countries. *Nature*. 2020;577(7789):235-238.
DOI: [10.1038/s41586-019-1872-1](https://doi.org/10.1038/s41586-019-1872-1) (IF=42.779)
24. Mogasale V, Kanungo S, Pati S, Lynch J, Dutta S. The history of OCV in India and barriers remaining to programmatic introduction. *Vaccine*. 2020 ;38 Suppl1:A41-A45.
DOI: [10.1016/j.vaccine.2020.01.016](https://doi.org/10.1016/j.vaccine.2020.01.016)(IF=4.086)
25. Mohanty NK, Sahoo KC, Pati S, Sahu AK, Mohanty R. Prevalence of Chronic Kidney Disease in Cuttack District of Odisha , India. *Int J Environ Res Public Heal Artic*. 2020;17(456):5–12.
DOI: [10.3390/ijerph17020456](https://doi.org/10.3390/ijerph17020456)(IF=2.849)
26. Murhekar MV, Santhosh Kumar M, Kamaraj P, Khan SA, Allam RR, Barde P, Dwibedi B, Kanungo S, Mohan U, Mohanty SS, Roy S, Sagar V, Savargaonkar D, Tandale BV, Topno RK, C P GK, R S, Bitragunta S, Grover GS, P V M L, Mishra CM, Sadhukhan P, Sahoo PK, Singh SK, Yadav CP, Kumar R, Dutta S, Toteja GS, Gupta N, Mehendale SM; ICMR - Serosurvey group. Hepatitis-B virus infection in India: Findings from a nationally representative serosurvey, 2017-18. *Int J Infect Dis*.2020;S1201-9712(20)30712-8.
DOI: [10.1016/j.ijid.2020.08.084](https://doi.org/10.1016/j.ijid.2020.08.084) (IF=3.202)
27. Nitika Pradhan, Rojalini Tarai ,Rupenangshu K Hazra . Vector dynamics predicts transmission dynamics: a simple, realistic and sensible approach for measuring malaria endemicity. *Bull Entomol Res*. 2020 ;110(3):379-387.
DOI: [10.1017/S0007485319000725](https://doi.org/10.1017/S0007485319000725)(IF=1.814)
28. Norris K, Kocot M, Tryba AM, Chai F, Talari A, Ashton L, Samal S K et. al. Marine-Inspired Enzymatic Mineralization of Dairy-Derived Whey Protein Isolate (WPI) Hydrogels for Bone Tissue Regeneration. *Mar Drugs*. 2020;18.
DOI: [10.3390/md18060294](https://doi.org/10.3390/md18060294)
29. P Murhekar MV, Bhatnagar T, Selvaraju S, Rade K, Saravanakumar V, Vivian Thangaraj JW, Kumar MS, Shah N, Sabarinathan R, Turuk A, Anand PK, Asthana S, Balachandar R, Bangar SD, Bansal AK, Bhat J, Chakraborty D, Rangaraju C, Chopra V, Das D, Deb AK, Devi KR, Dwivedi GR, Salim Khan SM, Haq I, Kumar MS, Laxmaiah A, Madhuka, Mahapatra A, Mitra A, Nirmala AR, Pagdhune A, Qurieshi MA, Ramarao T, Sahay S, Sharma YK, Shrinivasa MB, Shukla VK, Singh PK, Viramgami A, Wilson VC, Yadav R, Girish Kumar CP, Luke HE, Ranganathan UD, Babu S, Sekar K, Yadav PD, Sapkal GN, Das A, Das P, Dutta S, Hemalatha R, Kumar A, Narain K, Narasimhaiah S, Panda S, Pati S, Patil S, Sarkar K, Singh S, Kant R, Tripathy , Toteja GS, Babu GR, Kant S, Muliyl JP, Pandey RM, Sarkar S, Singh SK, Zodpey S, Gangakhedkar RR, S Reddy DC, Bhargava B. Prevalence of SARS-CoV-2 infection in India: Findings from the national serosurvey, May-June 2020. *Indian J Med Res*. 2020;152(1 & 2):48-60.
DOI: [10.4103/ijmr.IJMR_3290_20](https://doi.org/10.4103/ijmr.IJMR_3290_20)(IF=2.375)
30. Pal BB, Behera DR, Nayak SR, Nayak AK, Biswal B, Pati S. Dissemination of Polymyxin B Sensitivity in El Tor Vibrio cholerae O1 Strains in Odisha, India. *Jpn J Infect Dis*. 2020.
DOI: [10.7883/yoken.JJID.2020.592](https://doi.org/10.7883/yoken.JJID.2020.592)(IF=1.240)

31. Pal BB, Nayak SR, Biswal B, Das BK. Environmental reservoirs of *Vibrio cholerae* serogroups in the flowing freshwater environs from the tribal areas of Odisha, Eastern India. *Environ Microbiol Rep*. 2020.
DOI: [10.1111/1758-2229.12914](https://doi.org/10.1111/1758-2229.12914)(IF=2.975)
32. Palo SK, Kripalini P, Sanghamitra P. Situation of labour room documentation at secondary level public health facilities of Cuttack district, Odisha, India – A SWOT analysis. *J Fam Med Prim Care*. 2020;9(7):3308–14
DOI: [10.4103/jfmpe.jfmpe_376_20](https://doi.org/10.4103/jfmpe.jfmpe_376_20)
33. Palo SK, Samal M, Behera J, Pati S. Tribal eligible couple and care providers' perspective on family planning: A qualitative study in Keonjhar district, Odisha, India. *Clin Epidemiol Glob Heal*. 2020;8(1): 60-65.
DOI: [10.1016/j.cegh.2019.04.008](https://doi.org/10.1016/j.cegh.2019.04.008)
34. Pati S, Pati S, Akker M Van Den, Schellevis FG, Jena S, Burgers JS. Impact of comorbidity on health-related quality of life among type 2 diabetic patients in primary care. *Prim Heal Care Res Dev*. 2020;21:1–8.
DOI: [10.1017/S1463423620000055](https://doi.org/10.1017/S1463423620000055)(IF=1.11)
35. Pati S, Swain S, Knottnerus JA, Metsemakers JFM, van den Akker M. Magnitude and determinants of multimorbidity and health care utilization among patients attending public versus private primary care: a cross-sectional study from Odisha, India. *Int J Equity Health*. 2020;19(1):1–12.
DOI: [10.1186/s12939-020-01170-y](https://doi.org/10.1186/s12939-020-01170-y)
36. Praharaj I, Jain A, Singh M, Anukumar Balakrishnan RD, Borkakoty B, Ashok M, et al. Pooled testing for COVID-19 diagnosis by real-time RT-PCR: A multi-site comparative evaluation of 5- & 10-sample pooling. *Indian J Med Res*. 2020;1–8.
DOI: [10.4103/ijmr.IJMR_2304_20](https://doi.org/10.4103/ijmr.IJMR_2304_20)(IF=1.503)
37. Raghav SK, Ghosh A, Turuk J, Kumar S, Jha A, Madhulika S, et al. Analysis of Indian SARS-CoV-2 genomes reveal prevalence of D614G mutation in Spike protein eliciting increase in interaction with TMPRSS2 and virus infectivity. *Front Microbiol*. 2020;11:1–13.
DOI: [10.3389/fmicb.2020.594928](https://doi.org/10.3389/fmicb.2020.594928)(IF: 4.235)
38. Rai RK, Kumar C, Singh L, Singh PK, Acharya SK, Singh S. Rising burden of overweight and obesity among Indian adults: empirical insights for public health preparedness. *J Biosoc Sci*. 2020 :1-15.
DOI: [10.1017/S0021932020000486](https://doi.org/10.1017/S0021932020000486)(IF=1.207)
39. Raj Dwivedi G, Khwaja S, Singh Negi A, Panda SS, Swaroop Sanket A, Pati S, et al. Design, synthesis and drug resistance reversal potential of novel curcumin mimics Van D. *Bioorg Chem*. 2020:1–15.
DOI: [10.1017/S0021932020000486](https://doi.org/10.1017/S0021932020000486)(IF=4.831)
40. Rana R, Ranjit M, Bal M, Khuntia HK, Pati S, Krishna S, et al. Sequence Analysis of the K13 -Propeller Gene in Artemisinin Challenging Plasmodium falciparum Isolates from Malaria Endemic Areas of Odisha , India : A Molecular Surveillance Study. *Biomed Res Int*. 2020;2020:1–6.(IF=2.276)
41. Reddy SN, Nair NP, Tate JE, Thiyagarajan V, Giri S, Praharaj I, Mohan VR, Babji S, Gupte MD, Arora R, Bidari S, Senthamizh S, Mekala S, Goru KB, Reddy B, Pamu P, Gorthi RP, Badur M, Mohan V, Sathpathy S, Mohanty H, Dash M, Mohakud NK, Ray RK, Mohanty P, Gathwala G, Chawla S, Gupta M, Gupta R, Goyal S, Sharma P, Mathew MA, Jacob TJK, Sundaram B, Purushothaman GKC, Dorairaj P, Jagannatham M, Murugiah K, Boopathy H, Maniam R, Gurusamy R, Kumaravel S, Shenoy A, Jain H, Goswami JK, Wakhlu A, Gupta V, Vinayagamurthy G, Parashar

- UD, Kang G. Intussusception after Rotavirus Vaccine Introduction in India. *N Engl J Med*. 2020 ;383(20):1932-1940.
DOI: [10.1056/NEJMoa2002276](https://doi.org/10.1056/NEJMoa2002276)(IF=74.699)
42. Rout UK, Sanket AS, Sisodia BS, Mohapatra PK, Pati S, Kant R, Dwivedi GR. A comparative review on current and future drug targets against bacteria & malaria. *Curr Drug Targets*. 2020.
DOI: [10.2174/1389450121666200129103618](https://doi.org/10.2174/1389450121666200129103618)(IF=2.632)
43. Sahoo KC, Dwivedi R, Athe R, Bhattacharya D, Rajsekhar K, Pati S. Stakeholders' Perspective for Improved Universal Newborn Hearing Screening Uptake in Odisha, India. *J Trop Pediatr*. 2020;0:1–7.
DOI: [10.1093/tropej/fmaa062](https://doi.org/10.1093/tropej/fmaa062)(IF=0.940)
44. Sahoo KC, Negi S, Barla D, Badaik G, Sahoo S, Bal M, et al. The Landscape of Anthrax Prevention and Control : Stakeholders ' Perceptive in Odisha , India. *Int J Env Res Pub Heal*. 2020;1–14.
DOI: [10.3390/ijerph17093094](https://doi.org/10.3390/ijerph17093094)(IF=2.849)
45. Samal M, Sahoo KC, Pati S, Tripathy SR, Parida MK, Das BK. Use of Animal and Animal Products for Rheumatoid Arthritis Treatment : An Explorative Study in Odisha , India. *Front Med*. 2020; 1–7.
DOI: [10.3389/fmed.2019.00323](https://doi.org/10.3389/fmed.2019.00323)(IF=3.900)
46. Shasank S. Swain ,Divakar Sharma , Tahziba Hussain & Sanghamitra Pati Molecular mechanisms of underlying genetic factors and associated mutations for drug resistance in Mycobacterium tuberculosis 2020. *Emerging Microbes and Infection*. *Emerg Microbes Infect*. 2020 ;9(1):1651-1663.
DOI: [10.1080/22221751.2020.1785334](https://doi.org/10.1080/22221751.2020.1785334)(IF=5.776)
47. Sinha A, Nayak S, Dehuri P, Kanungo S, Pati S. Clinico-epidemiological characteristics of Kawasaki-like disease in paediatric patients with COVID-19: a protocol for rapid living systematic review. *BMJ Open*. 2020;10(12):e041160.
DOI: [10.1136/bmjopen-2020-041160](https://doi.org/10.1136/bmjopen-2020-041160)(IF= 2.496)
48. Swain SS, Paidesetty SK, Dehury B, Das M, Vedithi SC, Padhy RN. Computer-aided synthesis of dapsone-phytochemical conjugates against dapsone-resistant Mycobacterium leprae. *Sci Rep*. 2020;10(1):1–11.
DOI: [10.1038/s41598-020-63913-9](https://doi.org/10.1038/s41598-020-63913-9)
49. Zahara K, Panda SK, Swain SS, Luyten W. Metabolic Diversity and Therapeutic Potential of *Holarrhenapubescens*: An Important Ethnomedicinal Plant. *Biomolecules*. 2020 ;10(9):E1341.
DOI: [10.3390/biom10091341](https://doi.org/10.3390/biom10091341)(IF=4.082)
50. Zhang H, Hua D, Huang C, Samal SK, Xiong R, Sauvage F, et al. Materials and Technologies to Combat Counterfeiting of Pharmaceuticals: Current and Future Problem Tackling. *Adv Mater*. 2020;1905486(32):1–13.
DOI: [10.1002/adma.201905486](https://doi.org/10.1002/adma.201905486)(IF=27.398)