

MALABAR MEDICAL COLLEGE HOSPITAL & RESEARCH CENTRE

COMMUNITY MEDICINE

TOTAL PUBLICATIONS: 112

STAFF & TOTAL PUBLICATIONS:

1. Dr. George P Jacob – Professor & Head: 22
2. Dr. Shilpa Karir – Associate Professor: 23
3. Dr. Krishnaraj J S – Associate Professor: 15
4. Dr. Sobin Sunny – Associate Professor: 11
5. Dr. Remya Ramachandran – Associate Professor: 9
6. Dr. Shakhy Vati – Assistant Professor: 7
7. Dr. Sumna V M – Assistant Professor: 4
8. Dr. Amrutha M S – Assistant Professor: 5
9. Dr. Arjun B Sanora – Assistant Professor: 3
10. Dr. Rakesh Ramachandran – Assistant Professor: 3
11. Dr. Prasily P – Assistant Professor: 3
12. Mrs. Drisya M – Biostatistician: 5
13. Dr. Aswini Navaratna Sashi – Senior Resident: 2

PUBLICATIONS

DR. GEORGE P JACOB

1. Binub K, Selvaraj P, Krishnaraj JS, Jacob GP, Sumna VM, Amrutha MS, et al. Discernment of antimicrobial resistance among health professionals at a medical college in Kozhikode district, India: a qualitative study. *J Popul Ther Clin Pharmacol*. 2025;32(9).
2. Karir S, Mohanan S, Jacob GP, Ramachandran R. Eating disorders and its association with body image perception and stress among medical students of a tertiary care centre in North Kerala. *Int J Acad Med Pharm*. 2023;5(6):1121-4.
3. Kulkarni MM, Jacob GP, Praharaj SK, Vaddar T, Rajamohan M, Chaudhary AS. Tobacco and alcohol use and dependence among workers in a fish processing factory in coastal Karnataka. *Int J Community Med Public Health*. 2021;8(3):1337-42.
4. Reddy TS, Kamath VG, Jacob GP, Kamath A, Rebeiro C. Prevalence of goiter and its association with iodine status among the women of reproductive age group in coastal villages of Udupi Taluk, Karnataka, India. *Indian J Public Health*. 2019;63:199-202.
5. Agrawal A, Shetty A, Jacob GP, Kamath A. Anaemia among adolescents in a coastal district of India. *Natl J Community Med*. 2018;9(6):396-401.

6. Jacob GP, Reddy SK, Joseph CA, James BS. Students' perspectives on role and effectiveness of lecture in medical education. *Indian J Public Health Res Dev.* 2018;9(2):245-50.
7. Jacob GP, Rao CR, Kamath A, Pahwa V, Zeb J. Falls at home: a community based study on awareness and prevention among adults. *Indian J Public Health Res Dev.* 2017;8(4):351-6.
8. Jacob GP, Kulkarni MM, Vibha SP, Reddy SK, Praharaj SK, Thippeswamy V, et al. Impact of brief educational intervention among medical students on knowledge regarding tobacco and alcohol use disorders. *Indian J Public Health Res Dev.* 2017;8(4):220-4.
9. Thomas J, Gogate PM, Rajashekar BB, Kamath A, Jacob GP. Validity of different screening tests for detecting visual impairment in 3 to 6 year old children. *Indian J Public Health Res Dev.* 2017;8(3):211-6.
10. Thomas J, Gogate PM, Rajashekar BB, Kamath A, Jacob GP. Ocular morbidity among 3 to 6 year old children visiting a tertiary care hospital: a prospective study. *Indian J Public Health Res Dev.* 2017;8(3):332-6.
11. Jacob GP, Kulkarni MM. Risk factors of stroke in coastal villages of Uttara Kannada district, Karnataka, India: a case control study. *Int J Community Med Public Health.* 2017;4:3145-9.
12. Jha AT, Jacob GP, Ramireddy M, Kini YK. Awareness and practices regarding standard precautions for infection control among the hospital support staff in a tertiary care hospital in South India: a cross sectional study. *Int J Community Med Public Health.* 2017;4:2690-5.
13. Kulkarni MM, Jacob GP, Kamath A, Guha S, Ramireddy M. Knowledge, attitude and practices regarding mosquito borne diseases among adults in Udupi District, Karnataka. *Indian J Forensic Community Med.* 2017;4(3):158-63.
14. Rao CR, Jacob GP, Kuppusamy S, Kamath VG, Kamath A. Geriatric concerns: activities of daily living, nutrition, social security measures in a coastal South Indian population. *Natl J Community Med.* 2016;7(7):598-602.
15. Kulkarni MM, Jacob GP, Sreejayan K, Praharaj SK, Thippeswamy V, Kamath VG. Integrated approach to sensitise medical students on management of tobacco and alcohol use disorders. *Natl J Community Med.* 2016;7(2):92-6.
16. Moganewari D, Thomas J, Srinivasan K, Jacob GP. Test-retest reliability and validity of different visual acuity and stereoacuity charts used in preschool children. *J Clin Diagn Res.* 2015;9(11):NC01-5.
17. Reddy VS, Jacob GP, Ballala K, Ravi C, Ravi B, Gandhi P, et al. A study on the prevalence of hypertension among young adults in a coastal district of Karnataka, South India. *International J. of Healthcare and Biomedical Research.* 2015;3(3):32-9.
18. Kamath VG, Jacob GP, Agrawal A, Kamath A, Shenoy RP. Prevalence of goitre and its associated factors in a coastal district of Karnataka. *Indian J Community Health.* 2015;26(Suppl):1-6.

19. Thomas J, Vasudha K, Sankar N, Jacob GP. Prevalence of ocular symptoms among computer professionals in a university setting in South India. *J Evol Med Dent Sci*. 2014;3(69):14777-86.
20. Barua A, Jacob GP, Mahmood SS. Patient health questionnaire for screening psychiatric disorders in secondary healthcare. *Indian J Psychiatry*. 2013;55(2):125-30.
21. Thomas J, Jacob GP, Abraham L, Noushad B. The effect of smoking on the ocular surface and the precorneal tear film. *AMJ*. 2012;5(4):221-6.
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DR. SHILPA KARIR

1. Mohanan S, Gopalakrishnan M, Karir S, Salim S, Roy V, Muhsina CP. Perception and comparison of self-directed learning with didactic lectures among first year MBBS students. *Int J Sci Res*. 2025;14(12):62-4. doi:10.36106/ijsr.
2. Karir S, Mohanan S, Jacob GP, Ramachandran R. Eating disorders and its association with body image perception and stress among medical students of a tertiary care centre in North Kerala. *Int J Acad Med Pharm*. 2023;5(6):1121-4.
3. Karir S, Dabas P, Kassim A. Knowledge and attitude towards breast cancer and breast self examination among nursing students of a tertiary care centre in North Kerala. *Int J Pharm Clin Res*. 2023;15(12):1509-15.
4. Dabas P, Krishnaraj JS, Karir S, Nirmal C. Attitude and adherence to anti-hypertensive treatment among parents of medical students in Calicut, Kerala: a cross-sectional study. *Glob J Med Public Health*. 2023;12(2).
5. Karir S, Panda B, Hota G, Panda SK, Panda P. Birth preparedness and complication readiness among recently delivered mothers: a cross-sectional survey in an urban community in Eastern India. *Eur J Mol Clin Med*. 2022;9(2):2850-8.
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8. GRID COVID-19 Study Group. Combating the COVID-19 pandemic in a resource-constrained setting: insights from initial response in India. *BMJ Glob Health*. 2020;5(11):e003416.
9. Karir S, Panda SK, Panda SC. Knowledge regarding HIV/AIDS and mother to child transmission issues among women seeking antenatal care in VIMSAR, Burla. *Int J Med Biomed Stud*. 2019;3(5):117-24. doi:10.32553/ijmbs.v3i5.251
10. Karir S, Panda SK, Panda SC. Breast cancer awareness among university students, Burla, Odisha. *Int J Med Sci Diagn Res*. 2019;3(5):69-74.

11. Panda PC, Panda SK, Karir S, Patra A. Effectiveness of first-aid training on school children of urban area of Sambalpur District, Odisha. *Int J Med Sci Public Health*. 2019;8(10):838-42. doi:10.5455/ijmsph.2019.0616824072019.
12. Satapathy DM, Panda SK, Pradhan SK, Karir S, Sahu S, Mishra RP. A case of rabies transmitted by contact of saliva over mucous membrane. *APCRI*. 2018;20(1).
13. Panda PC, Panda SK, Karir S, Mishra RP, Satapathy DM. Assessment of quality of life in geriatric population in the field practice area of urban health training centre, VIMSAR, Burla. *J Evid Based Med Healthc*. 2018;5(22):1677-80. doi:10.18410/jebmh/2018/352.
14. Panda SK, Panda B, Karir S, Sinha U, Satapathy DM. Assessment of health status in peri- and postmenopausal women residing in urban slums. *J Med Sci Clin Res*. 2018;6(5):490-6. doi:10.18535/jmscr/v6i5.79
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17. Karir S, Biswas A, Mandal AK, Sagar V, Pal M. A study on clinical profile of indoor patients receiving anti-tuberculosis treatment at KPC Medical College and Hospital, Kolkata, India. *Int J Community Med Public Health*. 2016;3(10):2891-6.
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DR. KRISHNARAJ J S

1. Jayan A, Krishnaraj JS, Gopi J. Accessory head of the flexor pollicis longus: a cadaveric study on the Gantzer's muscle. *J Clin Diagn Res.* 2021;15(12):AC11-AC15. doi:10.7860/JCDR/2021/52442.15783
2. Dabas P, Raj KJ, John J, Wadhwa M, Manoly L, PA R. Covid-19 Vaccine Acceptance and Determinants– An Online Cross-Sectional Survey in Kerala, India. *Natl J Community Med [Internet].* 2021 Dec. 31 [cited 2026 Aug. 12];12(12):432-8.
3. Shrinath G, Premlal KS, Bhanushali VV, Nagalingam S, Krishna Raj JS. Knowledge, attitude and practice regarding infants and young child feeding practices among mothers in North Kerala during the COVID-19 pandemic. *Int J Sci Res.* 2021;10(11):74-76
4. Raj K, Neelopant SA, Wadhwa M, Dabas P. A cross-sectional study to estimate occupational stress among higher secondary school teachers in Thalassery, Kerala. *Natl J Community Med.* 2022;13(2):74-78. doi:10.5455/njcm.20211101064057
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6. Chandy N, Karthika AP, Dabas P, Krishna Raj JS, Roshni SS, Nath KR. A cross-sectional study to assess the quality of life and its determinants among transgenders in Kannur and Kasargod districts of Northern Kerala. *Glob J Med Public Health.* 2023;12(4).
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8. Binub K, Selvaraj P, Krishnaraj JS, George PJ, Sumna VM, Amrutha MS, et al. Discernment of antimicrobial resistance among health professionals at a medical college in Kozhikode district, India: a qualitative study. *J Popul Ther Clin Pharmacol.* 2025;32(9):1214-1219. doi:10.53555/dpt0qb10.
9. Krishna Raj JS, Binub K, Amrutha ,Jasna K, Nair S, Jayaprakash A, et al. Experiences and perceptions of gender roles in medical education: a focus group study among medical undergraduates in a tertiary care center in Kerala. *J Popul Ther Clin Pharmacol.* 2025;32(9):1300-1308. doi:10.53555/nvcywv32.
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11. Krishnaraj JS. The unmet needs and coping strategies of caregivers of patients on palliative care in Calicut, North Kerala: an observational study. *Int J Environ Sci.* 2025.

12. Krishnaraj JS, Roshni SS, Vati S, Swetha Nirmal P, Sashi AN, Krishna AV, et al. Prevalence of chronic respiratory disease and associated factors among adult population in a rural field practice area of a tertiary care centre in Kozhikode district. *J Popul Ther Clin Pharmacol.* 2025;32(10):1323-1329. doi:10.53555/34zvvr15
13. Paravengal HM, Pulikkal FF, Mariyam S, Krishnaraj JS, Binub K. Relearning to live: functional outcomes and quality of life among diabetic amputees. *Int J Curr Pharm Rev Res.* 2026;18(2):972-978. doi:10.25258/ijcpr.18.2.160.
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DR. SOBIN SUNNY

1. Sunny S, Mani B, Mathew M, D'Souza JM, Jose A, Johnson AR. Prenatal exposure to indoor air pollution and the risk of low birth weight: a case-control study in a rural maternity hospital in Ramanagara district, Karnataka. *Natl J Res Community Med.* 2019;8(2):126-30. doi:10.26727/njrcom.2019.8.2.126-130.
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6. Binub K, Harsha PV, Salim RS, Sunny S, Dabas P, Chalil S, et al. An observational study on the utility of lab parameters in evaluating the severity of patients in South India with COVID-19. *J Pharm Bioallied Sci.* 2023;15(Suppl 1):S414-8. doi:10.4103/jpbs.jpbs_549_22.
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8. Mohanan S, Gopalakrishnan M, Salim S, Nair G, Maliekkal J, et al. Association of obesity parameters and lipid profile in patients with both diabetes mellitus and hypertension in a tertiary care center in North Kerala. *Natl J Physiol Pharm Pharmacol.* 2023;14(5):1-5. doi:10.5455/njppp.2023.13.08379202302102023.
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10. Khan A, D M, Sunny S. Incidence and clinicopathological features of papillary microcarcinoma thyroid. *Glob J Res Anal.* 2024;13(2):66-8.
11. Sunny S, VSA, Raghavan AV. Prevalence of medical student syndrome among MBBS students in a tertiary health care center in North Kerala. *Glob J Res Anal.* 2025;14(1):134-6.

DR. REMYA RAMACHANDRAN

1. Ramachandran R, Mundodan JM, Saju CR, Joshy VM. Nutritional status and cognitive impairment in elderly population in a rural area of Thrissur district, Kerala. *Int J Community Med Public Health.* 2018;5(3):1218-23.
2. Ramachandran R, Navya CJ. Screening for pulmonary tuberculosis in an urban slum population of Thrissur district, Kerala, India. *Glob J Res Anal.* 2019;8(5):24-6.
3. Gopalamenon N, Binub K, Ramachandran R. Exclusive breastfeeding and infection amongst children in Northern Kerala. *Int J Community Med Public Health.* 2020;7(2):528-31.
4. Gopalamenon N, Ramachandran R, Venugopal AK. Knowledge and perception regarding sexual health among college students in Malappuram district, Kerala, India: a cross-sectional study. *J Clin Diagn Res.* 2023;17(9):1-5.
5. Dabas P, Ramachandran R, Neena Priyadarshini AV, Ali Zameel B, Nirmal C, Drisya M. Knowledge attitude and practices towards cybercrimes among medical students in Kerala - A cross-sectional study. *Glob J Med Public Health.* 2023;12(4):1-8.
6. Fasila M, Ramachandran R, Sunena V, Lamees K. A study on clinical empathy among undergraduate medical students: a cross-sectional study from Malappuram district, Kerala, India. *J Clin Diagn Res.* 2023;17(5):28-31.
7. Balagopalan D, Cherungottil L, Nishitha P, Harsha PV, Raju KV, James PT, et al. Clinical profile and incidence of toxic optic neuropathy (TON) in patients receiving anti-tuberculous therapy: a prospective study. *Int J Pharm Clin Res.* 2024;6(1):61-5. doi:10.33545/26647591.2024.v6.i1a.81.
8. Roshni SS, Ramachandran R, Chalil S, Krishnaraj JS. Suicidal ideation and associated factors among medical undergraduates in a medical college of North Kerala. *Natl J Med Res.* 2025;15(4):230-6.
9. Sunena VC, Naseef KN, Ramachandran R, Sebastian NM. Economic burden and quality of life of patients with type 2 diabetes in a rural area of Malappuram district, Kerala. *Int J Med Public Health.* 2026;16(3):342-6. doi:10.70034/ijmedph.2026.3.55.

DR. SHAKY VATI

1. Vati S, Prabhakaran N, Madhusoodanan KV, Sneha S, Devika MR. Prevalence of symptoms of urinary tract infection and its risk factors among unmarried female medical and dental students in a tertiary care hospital, Kannur. *IOSR J Dent Med Sci*. 2020;19(3):30-6. doi:10.9790/0853-1903113036
2. Prabhakaran N, Vati S, Nishitha P. A cross-sectional study on knowledge and attitude regarding varicella among medical and nursing students in a tertiary care hospital, Kannur, Kerala. *Eur J Mol Clin Med*. 2021;8(4):2244-52.
3. Lakshmanan MT, Vati S, Kumaran JA. A study on adverse events following immunization related to Covishield vaccine within 28 days among general population in Northern Kerala. *Int J Sci Res*. 2023 Jan;12(1):19-20.
4. Krishnaraj JS, Roshni SS, Vati S, Nirmal PS, Sashi AN, Krishnadas A, et al. Prevalence of chronic respiratory disease and associated factors among adult population in a rural field practice area of a tertiary care centre in Kozhikode district. *J Popul Ther Clin Pharmacol*. 2025;32(10):1323-9. doi:10.53555/34zvvr15
5. Vati S, Satheesh BC, Renuka V. Knowledge of accredited social health activists (ASHAs) regarding their job responsibilities: a cross-sectional study from rural Kerala. *Int J Curr Pharm Rev Res*. 2026;18(3):828-33. doi:10.25258/ijcpr.18.3.130
6. Vati S, Satheesh BC, Renuka V. A cross-sectional study to assess the performance of Accredited Social Health Activists (ASHAs) functioning under a select community health centre in a rural block from Kerala. *Adolescência e Saúde*. 2026;21(3s):885-95.
7. Sashi AN, Binub K, J.S K, Dabas P, Prabhakaran P, C S, Vati S, Ramachandran R. Mapping ADHD and its predictors: Perspicacity from a Population- Based Study in Northern Kerala ,India. *Adolescência e Saúde*. 2026 Jun. 10 ;21(3s):805-11.

DR. SUMNA V M

1. VMS, Malhotra S, Gupta S, Goswami K, Salve HR. Prevalence and associated factors of hypertension among adolescents in a rural community of North India. *Cureus*. 2023;15(10):e47934. doi:10.7759/cureus.47934.
2. Sethi AK, Velarambath Manalil S, Das S, Singh S, Manu RM, Biswas R, et al. Quality improvement initiative to standardise the anthropometric assessment for children under the age of 5 years at an urban primary health centre in New Delhi. *BMJ Open Qual*. 2024;13(2):e002583. doi:10.1136/bmjopen-2023-002583.
3. Binub K, Selvaraj P, Krishnaraj JS, Jacob GP, Sumna VM, Amrutha MS, et al. Discernment of antimicrobial resistance among health professionals at a medical college in Kozhikode district, India: a qualitative study. *J Popul Ther Clin Pharmacol*. 2025;32(9):1214-9.

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DR. AMRUTHA M S

1. Pinheiro C, Thuruthiyath LR, Philip S, Viswabhadran AM, Sivadasan AM. Quarantine of travellers during the initial phase of the COVID-19 pandemic: experience from a rural setting in Kerala, India. *J Clin Diagn Res*. 2022 Aug;16(8):LC27-LC31. doi:10.7860/JCDR/2022/57784.16793.
2. Viswakala VS, Sivadasan AM, Philip S, Thekkethil Karthikeyan S, Ahmed S, Edavazhikkal SMA, et al. Prevalence of COVID-19 infection among dental and nursing students in Alappuzha. *Int J Community Med Public Health*. 2023 Sep;10(9). doi:10.18203/2394-6040.ijcmph2023xxxx.
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5. Krishna Raj JS, Kannian B, Amrutha MS, Jasna K, Sarga Nair, Aiswarya Jayaprakash, et al. Experiences and perceptions of gender roles in medical education: a focus group study among medical undergraduates in a tertiary care center in Kerala. *J Popul Ther Clin Pharmacol*. 2025;32(9):1300-1308. doi:10.53555/nvcywv32.

DR. ARJUN B SANORA

1. Sanora AB, Senapathi P, Perduru S, Kambale S, Salim KS, Azeez A, et al. A study on the burden of disability among the residents of Endosulfan-sprayed areas of Dakshina Kannada. *Amrita J Med*. 2023;19:56-9.
2. Shenoy P, Sanora AB, Rafeek S, Gireesh B. Consumption pattern of tobacco and related products among adult population in a village of coastal Karnataka: a cross-sectional study. *SEEJPH*. 2024;25(S2):1377-85.
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DR. RAKESH RAMACHANDRAN

1. Karir S, Mohanan S, Jacob GP, Ramachandran R. Eating disorders and its association with body image perception and stress among medical students of a tertiary care centre in North Kerala. *International Journal of Academic Medicine and Pharmacy*. 2023;5(6):1121-4.
2. Binub K, Selvaraj P, KrishnaRaj JS, Jacob GP, Sumna VM, Amrutha MS, Ramachandran R. Discernment of antimicrobial resistance among health professionals at a medical college in Kozhikode district, India - a qualitative study. *Journal of Population Therapeutics and Clinical Pharmacology*. 2025;32(9).
3. Sashi AN, Binub K, J.S K, Dabas P, Prabhakaran P, C S, Vati S, Ramachandran R. Mapping ADHD and its predictors: Perspicacity from a Population- Based Study in Northern Kerala, India. *Adolescência e Saúde [Internet]*. 2026 Jun. 10 [cited 2026 Aug. 13];21(3s):805-11.

DR. PRASILY P

1. Prabhakaran P, Manoharan M. A comprehensive review of data science, artificial intelligence and big data analytics in Indian official statistics. *Stat Appl*. 2025;23(1):225-47.
2. Prabhakaran P, Manoharan M. Official statistics in the battle of CV-19. *Int J Res Anal Rev*. 2022;9(1):748-56.
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Mrs. DRISYA M

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