



DEPARTMENT OF MICROBIOLOGY

1. Research and Publications

➤ Ongoing research projects:

1. Phenotypic detection of metallo-beta lactamases production gram negative bacilli among clinical isolates in a tertiary care hospital. **Mr. Somashekar, Dr. Parimala TV**
2. COVID-19 infection rates in a tertiary care hospital in Tumkur, South India: Correlation between vaccination status and severity of symptoms. **Dr. Roopashree S, Dr. Soumya K**
3. Microbiol profile of secondary bacterial infections in hospitalized COVID-19 patients **Miss. Sameeksha Dibbur, Dr. Soumya K, Dr. Roopashree S**
4. Incidence and Clinical Profile of Scrub Typhus in patients with Acute Febrile Illness in a tertiary care centre in South India Role: Co-investigator Year 2022, Amount 0 Miss G K Megha, **Dr. Soumya K, Dr. Roopashree S, Miss. Swaroopa Rani**
5. Minimum Inhibitory Concentration of Ceftazidime/Avibactam against Multidrug Resistant Gram-Negative Bacilli isolated from clinical samples. Role: Co-investigator Year 2022, Amount 0 **Miss Swaroopa rani N M, Dr. Soumya K, Dr. Roopashree S, Miss G K Megha**
6. A Prospective study to Determine the association between bacterial contamination in Wards & ICU and wound infection among patient admitted in a Tertiary Care Hospital, Tumkur, South India. Co-investigator Year 2023, Amount 7500, **Miss. Jeevitha P, Dr. Parimala T V**
7. Assessment of mind mapping as a tool for retention of learning in Microbiology among phase II Medical Students Co -investigator Year 2023, Amt. **Dr. Soumya K.**
8. Perceptions of Medical interns about reflective writing - A thematic analysis. - **Dr. Soumya K**

➤ **Publications (Last 5 year)**

1. A study on in vitro activity of fosfomycin against enterobacteriaceae uropathogen along with microbiological profile and antibiogram of uropathogens Dr. Parimala T.V and Mrs. Swaruparani, Int. J. Adv. Res. 12(05),2024, 1193-1199.
2. Knowledge, attitude, and practices regarding antibiotic use among general public of Karnataka, India: A web-based cross-sectional survey Roopashree S1*, Kaup S2.
3. Epidemiological study of fungal keratitis in a tertiary hospital from south karnataka 1khalid ahmed and 2Jensina E Salahudheen, Available Online at www.journalijcar.org Volume 13; Issue 03; March 2024; Page No.2970-2975 DOI: <http://dx.doi.org/10.24327/ijcar.2024.2975.1644>.
4. Bacteria etiological agents and their antibiotic resistance pattern from Lower Respiratory Tract Infections in patients admitted at Tertiary care hospital, Tumkur. Dr Parimala T V1 and Dr Kiran T S2
5. Occurrence of Non Fermenting Gram Negative Bacilli and their Antibiotic Susceptibility patterns among clinical isolates: Special reference to Betalactamase production Roopashree S1*, Kaup S2, Latharoy S3
6. Study of haematological profile in Dengue Seropositive patients Dr. Priyadarshini Devendrappa, Dr. Soumya Kaup, Dr. Omkar Joshi, Dr. Sindura J R International Journal of Scientific Research, Volume 12 (04), Year 2023, Pages 1-2
7. Sanyuktha T., Manti D., Rajesh Shenoy R., GVishalakshi., G Mukthayakka "Inhibitory Effect of an Ayurvedic Eye Drop against Staphylococcus aureus and Candida albicans an Antimicrobial Efficacy Study" International Journal of Pharmaceutical Research and Applications Volume 8, Issue 2 Mar-Apr 2023, pp: 1716-1720 www.ijprajournal.com
8. Comparative evaluation of MIC of vancomycin among methicillin resistant staphylococcus aureus(MRSA isolates in tertiary care hospital) Swarupa Rani, Tejashree A, Ranjitha shankare Gowda, Krishna Karthik M.V.S, Eeshita Dhar, B satya sai Indian journal of public health research and development, Volume 14, Year 2022, Pages 316-320
9. Prevalence of various Beta-lactamases in Enterobacteriaceae in a tertiary care hospital in South India: A Cross-sectional study S Roopashree, Soumya Kaup IP International Journal of Medical Microbiology and Tropical Diseases, Volume 7, Year 2021, Pages 186-191
10. Diabetes distress and disease-related factors in patients with type 2 diabetes attending a tertiary care hospital Vidya K R1 , Lohit K2 , Roopashree S3 National Journal of Physiology, Pharmacy and Pharmacology , Volume , Year 2021, Pages.

11. Molecular detection of *Mycoplasma pneumoniae* in Community acquired pneumonia
Roy S Latha¹ , Gayathri Devi D R² , Roopashree S³,* International Journal of Medical Microbiology and Tropical Diseases, Volume , Year 2021, Pages.
12. Bacteriological profile and antibiotic susceptibility patterns of wound infections in a tertiary care hospital in South India Roopashree S ^{1,*}, A G Prathab ² , Sandeep T ²
International Journal of Medical Microbiology and Tropical Diseases, Volume , Year 2021, Pages.
13. Mukthayakka G, Dr. Annapurna G Sajjan, Dr.RaginiAnanthKashid, Comparative Analysis Of Diagnostic Methods Used For Assessing Incidence Of Malaria In Two Regions From South India. Journal of natural science, biology, and medicine.2021 | January-June | Volume 12 | Issue 1.
14. Mukthayakka G, Dr. Annapurna G Sajjan, Dr.RaginiAnanthKashid. Single Nucleotide Polymorphisms in Genes Associated with Drug resistance of *Plasmodium vivax* in Two Regions of South India. Journal of natural science, biology, and medicine, 2021 | July December | Volume 12 | Issue 2.
15. Sustaining academics during COVID-19 pandemic: The role of online teaching-learning
Kaup S.;Jain R.;Shivalli S.;Pandey S.;Kaup S. Indian Journal of Ophthalmology, Volume 68, Year 2020, Pages 1220-1221.
16. Mukthayakka G, Dr. Annapurna G Sajjan, Dr.RaginiAnanthKashid, Dr.MohdShannawaz, Dr.Thejaswini HS, Dr.Vanitha S. Elevated Plasma Levels Of TNF-Alpha, IFN-Gamma, IL-10 And TGF-Beta In Malaria Patients From Two Malaria Non-Endemic Regions In Karnataka, India. International Journal of Medical and Biomedical Studies. Volume 4, Issue 2; February: 2020; Page No. 262-267.
17. The Etiological Study of Fungal Keratitis in a tertiary Hospital of Mandya District, Karnataka, India. Khalid Ahmed^{1*} and B. Sumangala², International Journal of Current Microbiology and Applied Sciences ISSN: 2319-7706 Volume 9 Number 1 (2020).