

## Dr. R. Ranjha

---

Scientist working in the field of Malaria since 2016 with Lab experience in Human cell culture, Mice model handling and molecular biology, and field experience for working vector biology and malaria control, in endemic regions of Chhattisgarh.

---

**Research Interest:** Parasite Biology, Low Density Infections, Vector Control

---

### Ongoing Projects:

- A longitudinal study on the fabric integrity, survivorship and compliance (use rate) of field distributed long-lasting insecticidal nets for malaria control in Chhattisgarh state. Project Investigator
- Assessment of Knowledge, Attitude and Practice of Mitanin's with respect to Malaria control in Chhattisgarh. Project Investigator
- Monitoring the Efficacy of ACT for the treatment of uncomplicated *Plasmodium falciparum* malaria in India. Co-investigator
- Bionomics of malaria vectors and their sibling species and their role in malaria transmission in district Dantewada, Chhattisgarh, India
- A study of low-density malaria parasite infection in the community and its transmission potential in Bastar and Kanker Districts, Chhattisgarh, India

### Publication in peer-reviewed journals:

---

- **Raju Ranjha**, Chander P. Yadav, Mehul K. Chourasia, Nitika Nitika, Chinmay K. Dash, Jitendra Kumar Knowledge Attitude and Practices of Mitanin's (Community Health Workers) in Chhattisgarh: Malaria elimination perspective: *Frontiers in public health* 2022 (Accepted for publication)
- **Ranjha R**, Sharma A. Forest malaria: the prevailing obstacle for malaria control and elimination in India. *BMJ Global Health* 2021;6:e005391. doi:10.1136/bmjgh-2021-005391
- **Ranjha R**, Singh H, Kumar J Dengue outbreak in Bhilai, Chhattisgarh 2018: Entomological investigation and community awareness. *Indian Journal of Community Health* 2021
- Aggarwal S, **Ranjha R**, Paul J. Neuroimmunomodulation by gut bacteria: Focus on Inflammatory Bowel Diseases-1. *World Journal of Gastrointestinal Surgery* 2021

- V. Gosh, **R. Ranjha**, AK Gupta Formulation of anti-larval nanoemulsion: Impact of droplet size on larvicidal activity against malaria vectors in Chhattisgarh, India. Indian Journal of Biochemistry and Biophysics (IJBB) 2021
- **Ranjha, R.**, Dutta, G.D.P. & Gitte, S.V. School-age Children as Asymptomatic Malaria Reservoir in Tribal Villages of Bastar Region, Chhattisgarh. Indian Pediatr (2019) 56: 873. <https://doi.org/10.1007/s13312-019-1615-2>
- **Ranjha R.** A Knowledge, Attitude and Practices Survey and Entomological Situation Analysis in Malaria Endemic Tribal Villages of Surajpur District, Chhattisgarh, India. *J Commun Dis* 2019; 51(1): 1-5.
- **Raju Ranjha**, Surbhi Aggarwal, Vineet Ahuja and Jaishree Paul Site specific expression of CXCL-12 $\beta$  and its regulation by miR-200a in Ulcerative Colitis. Gastroenterology and hepatology: Open Access. **2019**
- **Raju Ranjha**, Naresh Kumar Meena, Abiraman Singh, Vineet Ahuja, Jaishree Paul Association of miR-196a-2 and miR-499 variants with ulcerative colitis and their correlation with expression of respective miRNAs **Plos One 2017**
- **Ranjha R**, Aggarwal S, Bopanna S, Ahuja V, Paul J Site-Specific MicroRNA Expression May Lead to Different Subtypes in Ulcerative Colitis.
- **R. Ranjha** • J. Paul Micro-RNAs in inflammatory diseases and as a link between inflammation and cancer. *Inflamm. Res.* (2013) 62:343–355, DOI 10.1007/s00011-013-0600-9.
- Nirmal Verma, Ravi Verma, Reena Kumari, **Raju Ranjha**, Jaishree Paul. Effect of salicin on gut inflammation and on selected groups of gut microbiota in dextran sodium sulfate induced mouse model of colitis. *Inflamm. Res.* (2013), DOI 10.1007/s00011-013-0685-1

---

**Declaration:** I hereby declare that the above-mentioned particulars are true to the best of my knowledge and belief.

Date: 12-02-2022

Place: Raipur, CG

**Dr. R. Ranjha**