



**Name:** Nimisha

**Research Group & Mentor:** Microbial Pathogenesis; Dr. Ramakrishnan Sitaraman

**Co- supervisor:** Dr. Sujatha Sunil, International Center for genetic engineering & Biotechnology (ICGEB, New Delhi)

**Research Work/Project(s):**

Interactions of the host with Chikungunya virus replication complex protein

**Fellowship Holder/ Designation:** Senior research fellow

**Additional information:**

- Qualified Council of Scientific and Industrial Research (CSIR) National Eligibility Test (NET), in Life Sciences (Dec. 2017 and June 2019)
- Awarded Merit scholarship from the Department of Biotechnology (DBT), Government of India for Master of Science. in Biotechnology
- Scholarship for Industrial training in Biotechnology by the Department of Biotechnology (DBT), Government of India

**Research Interest:** Virology, Chikungunya, protein - protein interaction, Host pathogen interaction, Host cell metabolism

**Research Publications:**

- “Role of host-mediated post-translational modifications (PTMs) in RNA virus pathogenesis” by Ramesh Kumar, Divya Mehta, Nimisha Mishra, Debasis Nayak, Sujatha Sunil. International journal of molecular sciences. 2020 Dec 30;22(1):323. doi: 10.3390/ijms22010323
- “Decoding chikungunya virus non-structural protein 3 interacting partners in THP-1 derived infected macrophages through proteomic profiling.” by Priyanshu Srivastava, Nimisha Mishra, Sakshi Chaudhary, and Sujatha Sunil. Frontiers in Virology. 2024 March 13; volume 4. doi: 10.3389/fviro.2024.1310161

**Poster presentation:**

- Poster presented on “Interactions of CHIKV replication complex protein, nsP3 with mammalian host cell and activation of innate immune response to regulate infection” at Immunocon 2024 held at the Indian Institute of Science, Bengaluru, India

- Poster presented on “Interactions of CHIKV replication complex proteins, nsP2 and nsP3 with mammalian host” at 7th Molecular Virology Meeting, 2023 held at the Indian Institute of Science, Bengaluru, India