



**Prerna Khobragade**

**M.Sc Biotechnology**

**Project Fellow**

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I have done my Masters in Biotechnology. I am currently working in Central India Institute of Medical Sciences (CIIMS), Research lab on Zoonotic diseases (Brucella, Listeria, M.bovis) as well as on Chikungunya diagnosis by Commercial ELISA Kit & Inhouse ELISA under Diagnostics in Research Lab. I am working on M.bovis for Research purpose. I have successfully completed two Dissertations under me, training programs for the trainees, taken part in the camps on Zoonotic Diseases as well as TB held at three different areas. I have worked on the Lyophilisation Machine and successfully completed lyophilisation of 125 serum samples under Indo-UK project. I am involved in the marketing of the Diagnostic tests in Research Lab to the other Hospitals in Nagpur as well as Outside Nagpur. Other technical skills include the commercial kits for Brucella detection, kits for Neuroviruses (HSV, CMV, VZV, Dengue) as well as the Latex technique i.e Lateral flow Kit for Brucella detection, TB ELISA, Extraction of Stool samples as well as CSF samples, LAMP PCR, Working on the development of LAMP PCR for the detection of 22 pathogens, worked on TB ELISA i.e. TB Antigen & TB Antibody Protocol.

Training done on RT PCR. Worked on Covid 19 serum samples which were processed for IL6 analysis by cytokine ELISA technique. Worked on one outsourcing project named “**Extraction of DNA (n=17) for the purpose of 16s Metagenomics**” from Eurofins Genomics Pvt. Ltd., Bengaluru in which extraction of n=9 Stool samples was done & n=8 sputum samples was done. Worked on the analysis of IL6 levels in Covid 19 positive patient’s blood samples for 2 years. Data management for the Covid 19 patient samples. Worked on the project writing on “**Study of Incidences and Prevalence of Brucellosis in Central India by Lateral Flow Kit**” and submitted in DST. Also worked on the Rapid detection of Covid 19 Antibodies in the Covid 19 Positive patients by Covid 19 IgG-IgM technique. Working on Manuscript writing on IL 6 levels in Covid 19 Positive patients. Attended three days 34<sup>th</sup> Annual National Conference on “Brain Diseases, Injuries and Infections: Emerging Challenges and Treatment strategies” organized by Head Quarters, SNCI, University of Hyderabad from 11<sup>th</sup> to 13<sup>th</sup> December, 2020. I have successfully completed six Dissertations under me, trained for ELISA technique in training programs for more than 50 trainees under me, taken part in the camps on Zoonotic Diseases as well as TB held at three different areas, presented a Poster presentation at 2 day National Conference held at Nagpur Veterinary College.