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**Specialization:**

- Immunology, Immunopathology and Vaccinology

**Expertise:**

- In the development of DNA vaccines for infectious diseases.
- In studying the immuno modulatory effect of various immunogens and adjuvants in animal models.
- In Immunohistochemistry analysis.
- In studying the role of various molecular adjuvants and enhancers for their efficiency.

**Research Activities:**

- Completed three projects funded by UGC, CSIR and DBT, India.
- One on-going project funded by ICMR, New Delhi.
- Identification of saponins from plants, sea weeds and spirulina.
- In vitro and In vivo activities of various adjuvants in animal models.
- Using of foldscope in diagnosing Urinary tract infections among tribal women.

**Facilities Available:**

- Cell culture laboratory
- Plant tissue culture lab
- Real-Time PCR
- Zebrafish aquarium
- Microbial cell culture facility
- Foldscope training

**Ready to transfer technologies/products:**

- Saponins isolated from Bacopa monnieri .
- Chitosan–nanoparticles as delivery system.
- Molecular Adjuvants and DNA vaccines.
- Recombinant proteins of medical importance.

