

DEPARTMENT OF BIOTECHNOLOGY

ONGOING STUDENT'S EXTRAMURAL PROJECTS

Sr. No.	Title of the Project	Duration	Funding Agency	Sanctioned Fund (Lakh)	Investigator/s
1	Development PLGA nanoparticles loaded with donepezil and memantine for brain drug delivery through nasal route in Alzheimer's disease	2017-2020	BioCARE-DBT	26	PI: Ms. Atinderpal Kaur Mentor: Dr. Shweta Dang
2	Studies on production of therapeutically important saponins using <i>in-vitro</i> culture of <i>Bacopa monnieri</i>	2014-2018	DST	19.61	PI: Ms. Pragya Bhardwaj Mentor: Dr. Ashwani Mathur
3	Rational Structure-based development of potent inhibitors targeting mycobacterial cysteine biosynthetic pathway: in silico and experimental drug design against <i>M. tuberculosis</i> CysE	2015-2018	DST	15.95	PI: Mrs. Sunita Gupta Mentor: Dr. Vibha Gupta
4	Bioprospection of microorganisms from selected niche habitats (soil/rock) for antimicrobial products	2014-2019	ICMR	21.67	PI: Mrs. Nidhi Srivastava Mentor: Dr. Indira P Sarethy
5	Analysis of Chikungunya virus nsP3 protein micro/macro interactors	2018-2021	DST-(WOS-A)	20	PI: Ms. Ipsita Nandi Mentor: Dr. Sanjay Gupta
6	Identification of peptide/protein binders of Chikungunya Virus	2015-2019	DST-Inspire	21.9	PI: Ms. Garima Agarwal Mentor: Dr. Sanjay Gupta

7	Structure, function and inhibition of isocitrate lyases of <i>Mycobacterium tuberculosis</i>	2016-2021	DST - Inspire	21.9	PI: Ms. Monika Mentor: Dr. Vibha Gupta
8	Fabrication of nanotechnology based point-of-care device for thyroid disease diagnosis	2016-2021	DST - Inspire	21.9	PI: Rahul Mentor: Sudha Srivastava
9	Nanotechnology based vaccine development against Hepatitis E virus	2015-2020	DST - Inspire	21.9	PI: Dibya Rani Mentor: Sudha Srivastava
10	Differential expression pattern of miRNAs in rice root during Cr(VI) stress	2015-2018	DST	32.6	Young Scientist: Dr. Sonali Dubey Mentor: Dr. Vibha Rani
11	Nanotechnology based vaccine development against Hepatitis E virus	2015-2020	DST - Inspire	21.9	PI: Ms. Dibya Rani Mentor: Sudha Srivastava
12	Genomics of diverse Wolbachia species in Indian Drosophila and to study host-symbiont interactions	2017-2021	CSIR-JRF	16.81	PI: Ms. Kopal Singhal Mentor: Dr Sujata Mohanty
13	PLGA Nanoparticles for Baclofen and Lamotrigine: Nose to brain delivery	2019-2021	CSIR-SRF	7.12	PI: Mr. Kuldeep Nigam Mentor: Dr Shweta Dang
14	Investigating microRNAs and Matrix metalloproteinases as therapeutic target in glucose induced cardiac stress	2018-2020	CSIR-SRF	6.52	PI: Mr. Sharad Saxena Mentor: Dr. Vibha Rani
15	Cardioprotective effects of Curcumin against drug induced toxicity	2018-2020	CSIR-SRF	6.52	PI: Ms. Aditi Jain Mentor: Dr. Vibha Rani