

Best Innovative Projects-Biotech department

Session:2017-18				
Sr. No	Name of Students (Roll No.)	Name of Guide	Project Title	Brief Description
1	Swati singh 1443154018	Ms. Shazia Wahid	Microglia activation followed by Japanese encephalitis	Japanese encephalitis (JE) is an acute and uncontrolled inflammatory disease of central nervous system in humans especially affecting children. virus induced inflammation contributes to disease severity by inducing neuronal cell death (chen CJ et al 2010), inhibiting the proliferation and differentiation of neural progenitors and disrupting the blood brain barriers.
2	Aditipathak 1443154001	Mr. Haseeb	Observation on IgG ELISA for diagnosis of intra-abdominal Echinococcosis at a tertiary care level super specialty institute in north India.	Urinary tract infections are most commons. They are mostly predominated by gram negative organism. The importance of knowing local antimicrobial susceptibility to direct empirical antibiotic therapy cannot be overemphasized.
3	Nidhishribalarajvanshi 1443154010	Mr. Haseeb	Detection of HIV by ELISA technique in a tertiary care centre.	. Primary diagnosis HIV infection is commonly accomplished by serological via detection of HIV antibody using a screening enzymes immunoassay followed by a subsequent confirmatory western blot test.
Session:2018-19				
Sr. No	Name of Students (Roll No.)	Name of Guide	Project Title	Brief Description
1	Aayushikatiyaar	Md. Haseeb Khan	.Aanalysis of mutagenic chemicals present in branded and homemade pickle along with its quality analysis	The toxic chemical compounds present in food as preservatives cause irritation of the skin and mucous membranes, lung damage, upset the ionic equilibrium in our bloodstream and degeneration of nervous system tissue (Campbell et..al 2001). Various biochemical test, mutagenic chemical identification test and qualitative test were conducted to test quality and efficiency of pickle preservation
2	Bhawana Singh Bharti	Dr. Pankaj Verma	Survivin mediated synthesis of gold nano-particles	Gold nana-particles are widely used in many fields as preferred materials for their unique optical and physical properties such as surface Plasmon oscillations for labeling, imaging and sensing . Gold nano-particles can be prepared and conjugated with many functionalizing agents such as polymers, surfactants, ligands, dendrimers , drugs , DNA, RNA, proteins , peptides and oligonucleotides

Session:2019-20				
Sr. No	Name of Students (Roll No.)	Name of Guide	Project Title	Brief Description
1	Mahfooz	Dr. Pankaj Verma	Bio-Synthesis of Silver and Magnesium Nano-Participle from Cadmba.	Synthesis of silver and magnesium and particles by Cadamba Extract and to study its anti-microbial and anti-fungal acitivity.
2	Vidushi	Dr. Rishi Kr. Verma	Bio-Synthesis of Silver and Magnesium Nano-Participle from Cadmba.	Synthesis of silver and magnesium and particles by Cadamba Extract and to study its anti-microbial and anti-fungal acitivity.
3	Saumya Gupta	Dr. Pankaj Verma	"TRICHODERMA VIRIDE: A FUNGUS HAVING ANTIFUNGAL AND ANTIBACTERIAL PROPERTIES	The chronological development of Trichoderma spp., a strategy of activity against different biological agents, probable applications, and unusual mass production techniques are seen.