

## **SPONSORED PROJECT**

<b>S.No.</b>	<b>Project Title</b>	<b>PI &amp; Co-PI</b>	<b>Department</b>	<b>Granting Agency</b>	<b>Year of Sanction</b>	<b>Duration of the project</b>	<b>Project Status (Completed/Ongoing)</b>	<b>Total Grant Sanctioned</b>
1	Development of Novel Screening System Employing Cyanobacteria for Toxicity Studies of Metallic Nanoparticles	Dr.Alvina Farooqui	Bioengineering	UP-CST	9/8/2015	3 Years	Completed	1044000
2	Evaluation & identification of mechanisms involved in defensive role of kalonji oil based nanoformulation in cancer	Dr.Anuradha Mishra	Pharmacy	UP-CST	21/01/2017	2 Years	Ongoing	680000
3	Development, characterization, biodistribution and anticancer activity of novel oil-based nanoformulation of quercetin and rutin bioactives for oral delivery	Arshad Hussain	Pharmacy	UP-CST	9/11/2012	3 Years	Completed	900000
4	Characterization of UV protective compounds from cyanobacteria and media optimization for their enhancement	Dr.Iffat Zareen Ahmad	Bioengineering	DRDO, Ministry of Defence, Govt. of India	26/04/2017	3 Years	Ongoing	2350000
5	In vitro and in vivo study of hepatoprotective activity of Nigella sativa extracts in various germination stages	Dr.Iffat Zareen Ahmad, Dr. Sabiha	Bioengineering	Ministry of AYUSH, Govt. of India	14/03/2016	3 Years	Completed	6993330

6	A Study to Investigate the Effect of Organosulfur Compounds of Garlic ( <i>Allium sativum</i> ) on the Expression of Different Proteins including HPV E6 and E7 involved in the Pathogenesis of Cervical Cancer	Dr.Irfan Ahmad Ansari	Biosciences	UP-CST	4/8/2015	3 Years	Ongoing	1044000
7	Inorganic nanoparticles mediated specific site directed drug delivery to the prostate cancer cells	Dr.M. Sajid Khan	Biosciences	UP-CST	19/09/2016	3 Years	Ongoing	1044000
8	Evaluation of Selected Indian Medicinal Plant as a Potent Inhibitor of HMG-CoA Reductase Activity: An in silico, in vitro & in vivo study	Dr.M. Salman Khan	Biosciences	SERB, New Delhi	7/1/2012	3 Years	Completed	2281000
9	Targeting proprotein convertase subtilisin/Kexin Type-9 via natural organosulfur compounds to combat hypercholesterolemia: A molecular mechanistic approach	Dr.M. Salman Khan	Biosciences	MHRD	17/04/2019	3 Years	Ongoing	3558100
10	Synthesis and Characterization of Pure and Doped $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ (CCTO) For Microelectronic Applications	Dr.Mohd. Asim Siddiqui (PI), Dr.Vishal Singh Chandel (Co-PI), Rajiv Manohar(Co-PI)	Physics	UP-CST	22/07/2016	2 Years	Ongoing	640000

11	Induction and scaling up <i>Sida cordifolia</i> hairy roots in a bioreactor for industrial production of bronchodilator alkaloid-a promising and futuristic approach for development of novel folk medicines with tremendous therapeutic potential in UP	Dr.Mohd. Haris Siddiqui	Bioengineering	UP-CST	28/03/2017	2 Years	Completed	680000
12	Performance analysis of 1 mw solar power plant using image processing	Mrs. Tarana Afreen Chandel, Dr. Yusuf Yasin & Prof. M.A.Mallick	ECE & EE	Institution of Engineers, Kolkata	1/1/2018	1 Years	Completed	75000
13	New insights into identification of <i>acdS</i> gene and Bioinoculant formulation of ACC deaminase producing bacteria ameliorating salt stress for enhancing plant growth and development	Dr.Neelam Pathak	Biosciences	UP-CST	1/1/2018	2 Years	Ongoing	1470000
14	A novel prophylactic approach exploiting the innate immune mediators as a promising adjuvant for vaccine against Visceral Leishmaniasis.	Dr.Priti Bajpai	Biosciences	SERB	18/11/2015	2 Years	Ongoing	2530000
15	Elucidation of Jab1-RNAi role in inducing apoptosis by enhancing p27 expression in Gall bladder carcinoma	Dr.Priti Bajpai	Biosciences	DST-WOS A	30/06/2015	3 Years	Ongoing	1336000

16	Biochemical and Cellular Responses Within Macrophages Following Administration Of $\beta$ -Glucan Particles Containing Anti-TB Drugs	Dr.Rolee Sharma	Biosciences	UP-CST.	30/11/2012	3 Years	Completed (as PI)	900000
17	Eco-friendly, biodegradable plastic degrading PHB depolymerase from microbes: Purification, Characterization and biotechnological applications	Dr.Roohi	Bioengineering	SERB-ECRA	24/05/2018	3 Years	Ongoing	3081320
18	A promising chipping in of advanced glycation end products in the pathogenesis of cancer: A novel multifunctional Nano assemblies N-glycosylated and N-homocysteinylated forms of albumin for detecting and treating cancer	Dr.Saheem Ahmad	Biosciences	DBT(Indo Russian)	1/12/2014	3 Years	Ongoing	7150800
19	Immunochemical studies on glycated human serum albumin and low density lipo-protein by reactive dicarbonyls; possible role as diagnostic and prognostic markers in diabetes & associated diseases; A step ahead to inhibit the glycation menace	Dr.Saheem Ahmad	Biosciences	SERB	1/8/2015	3 Years	Ongoing	2600000

20	Immunochemical studies of lipo-protein glycation: Role of Ellagic acid, a new antiglycating agent; in the inhibition of glycation and diabetes mellitus	Dr.Saheem Ahmad	Biosciences	UP-CST	1/8/2015	3 Years	Ongoing	1044000
21	Dynamic Structure-Based Pharmacophore Model Development and Role of Dietary Phytochemicals: A Crosstalk and Effective Addition in Anti-Angiogenic Lead Discovery.	Dr.Salman Akhtar	Bioengineering	UP-CST	31/01/2016	3 Years	Completed	933000
22	Role of Molecular Chaperones and p53 in Targeting of Client proteins to Autophagy	Dr.Snober S. Mir	Bioengineering	DBT	1/11/2013	3 Years	Completed	3280422
23	Role of p53 Aggregation in Dysregulation of Autophagy: Implications for Tumorigenesis and Targeted Therapy	Dr.Snober S. Mir	Bioengineering	DST-SERB	22/04/2016	3 Years	Completed	2757000
24	Comparative study of Nanoformulation of Khamira Abresham with its traditional formulation against Myocardial necrosis and associated ailments	Dr.Tarique Mahmood Ansari	Pharmacy	Ministry of AYUSH, Govt. of India	17/03/2018	3 Years	Ongoing	4339080
25	DST-FIST (Sponsored Lab IU)		Biosciences	DST				5700000
<b>Total Amount</b>								<b>58411052</b>