

Details of Funded Projects

Name of the Scheme/Project/Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Department	Year of Award	Funds provided (INR in s)	Duration of the project
Fabrication of next-generation personalized oral medications for the treatment of pediatric tuberculosis with innovative 3-D printing technology	Dr. Uttam Kumar Mandal	SERB-DST	Government	DoPST, MRSPTU	2020	23	2 years
Penetration enhancement study of some novel chemical permeation enhancers	Dr. Uttam Kumar mandal	Croda India Company Pvt. Ltd., Mumbai	Industry	DoPST, MRSPTU	2020	3	8 months
A novel foam-based formulation with silver nitrate, chlorhexidine and asiaticoside for effective burn related wound healing	Dr. Uttam Kumar Mandal	ICMR	Government	DoPST, MRSPTU	2020	50	3 years
Therapeutic Potential of Dual Phosphodiesterase Inhibition in Experimental Alzheimer's Disease: Possible Role Of EPAC Signaling in Cognitive Processing	Dr. Rahul Deshmukh	ICMR	Government	DoPST, MRSPTU	2020	47	3 years
Development of an Interactive Mobile app Q-CHECK and parameter profiling for quality certification of the herbs from North India.	Dr. Ashish Baldi	National Medicinal Plants Board, Ministry of AYUSH, New Delhi	Government	DoPST, MRSPTU	2020	22.76	1 year
Methodology to estimate aerosol density of Particulates via simultaneous measurement of number and mass concentration	Dr. Veena Sharma/Dr. Sandeep Kansal/Dr. Gagan Gupta	BRNS-DAE, Mumbai (Govt. of India)	Government	BRNS-DAE, Mumbai (Govt. of India)	2020	41.51	3 years
Pharmaceutical and Personal Care Products (PPCPs) in Sewage Water of District Bathinda, its Transport in environmental compartment and Adsorptive Removal Using Metal Organic framework (MOF)	Dr. Meenu	DST	Government	Chemistry	2020	50	3 years
Agro-Climatic, Economic and Good Agricultural Practices Adoption Feasibility Studies On Selected Medicinal Plants Of Punjab	Dr. Ashish Baldi	FITM	Government	DoPST, MRSPTU	2019	10	2 years
Development of Interactive device for quality evaluation of selected Indian spices using computational techniques	Dr. Ashish Baldi	DST	Government	DoPST, MRSPTU	2019	32.67	3 years

Intensifying Solubility and Bioavailability of Arteether through Molecular Encapsulation based Oral Drug Delivery System	Dr. Ashish Baldi	ICMR	Government	DoPST, MRSPTU	2019	12.6	3 years
MoFPI,	Dr. Kawaljit Singh Sandhu	MoFPI, New Delhi	Government	FS 1	2019	293.24	Open ended
PSCS1	Dr. Kawaljit Singh Sandhu	PSCS1	Government	FS1	2019	1.8	6 months
Identification of screening barriers for assessment of breast cancer in Malwa region of Punjab	Dr. Ashish Baldi/Dr. Pritpal Singh Bhullar	Indian Council of Social Science Research ICSSR, Govt. of India	Government	University Business School	2019-2021	10.5	2 years
To explore the neuroprotective mechanism of BCG vaccine against animal models of Parkinson's disease, Huntington disease and Tardive dyskinesia	Dr. Puneet Kumar	SERB-DST	Government	DoPST, MRSPTU	2018	33	3 years
Formulation, characterization and in vivo efficacy of silver-lipid nanoparticles loaded with capsaicin and calcipotriene for the treatment of Psoriasis.	Dr. Uttam Kumar Mandal	Research Development Unit (RDU) of University Malaysia Pahang (UMP), Malaysia.	Non-Government	DoPST, MRSPTU	2018	6	2 years
DST (SYST Scheme)	Dr. Sukhvinder Singh/Dr. Kawaljit Singh Sandhu	DST, New Delhi	Government	FST	2018	35.94	3 Years
DST (SYST Scheme)	Ms. Shamandeep Kaur/Dr. Kawaljit Singh Sandhu	DST, New Delhi	Government	FST	2018	28.84	3 Years
Measurement of Radon, Thoron and their Progeny Distribution in the Different Type of Houses and Natural radioactivity in soil in Hanumangarh, Churu and Sri Ganganagar District of Rajasthan	Dr. Sandeep Kansal	BRNS-DAE, Mumbai (Govt. of India)	Government	BRNS-DAE, Mumbai (Govt. of India)	2016	36.24	3 Years
Studies on effect of Sn as dopant in FeMnGe and CoMnGe based magneto caloric materials	Dr. Satnam Singh	SERB, DST	Government	SERB, DST	2016	12.54	3 Years

AICTE-BCL IDEA LAB	Dr. Ashish Baldi	AICTE-BCL	Govt-Industry Partnership	AICTE-BCL	2022	111	2 Years.
MODROB	Dr. Manjeet Bansal	AICTE	Government	AICTE	2019	10.88	2 Years
Agro-climatic Zoning, good agricultural practices and quality mapping cultivation feasibility studies on medicinal plants in Himachal Pradesh	Dr. Ashish Baldi	ICSSR	Government	ICSSR	2022	15.75	2 Years
Setting up science, technology and invocation cell led empowering SC community at Bathinda in collaboration with AIMS Bathinda	Dr. Ashish Baldi	PSCST	Government	PSCST	2021	4.65	3 Years