

## SASTRA UNIVERSITY – ONGOING PROJECTS

<u>Sl.No.</u>	<u>Name of the Projects</u>	<u>Funded by</u>	<u>Amount Sanctioned</u>
01	Studies of Interaction of Polymeric Alkyl pyridinium salts (Poly - Aps) from Marine sponge toxins with planar lipid bilayers	SERC	1,986,000
02	A Study of the anti - Oxidant / pro-oxidant properties of flavonoids in presence of Transition Metal Ions using Planar Lipid Bilayers	DST	1,957,200
03	Development of Novel Biodegradable nanostructured vascular grafts	SERC	876,000
04	Design Optimisation, Fabrication and testing of energy efficient tools for power tillers	DST	880,660
05	Scientific Evaluation of Safety and Efficacy profile of Siddha Formulation advocated in the prevention and Management of Coronary Heart Disease	DPD	17,603,171
06	Novel 3-D Aligned Nanofibers for Neural Tissue Engineering	NSTI	27,592,000
07	In vivo standardization of a Siddha herbal formula for Obesity	DPT	1,25,49,000
08	Development of a Dendrimer based Novel Drug Delivery System for Cancer (IYBA award proj)	DBT	2,700,000
09	Development of RTOS based Electronic Nose	SERC	2,031,480
10	National Facility for the development of Herbo - metallic preparations of Ayurveda, Siddha & Unani	DPD	112,209,000
11	PG Teaching Programmes in Nano Science & Technology Programme	SERC	33,900,000
12	Deciphering Paleotsunami deposits through an integrated approach of micropaleontological (foraminifera & ostracoda)& Sedimentological studies	INCOIS	5,865,000
13	Standardization of HIV / AIDS Siddha Formulation (SOPs)	ICMR	2,007,000
14	Development of Novel Free Radical biosensor based on embedded system	DST - TSG	1,579,945
15	Assessment of Stability Slope of 10/4 to 29/6 km stone and cut slope stabling evaluation of Yercaud ghats section with SMR and suitable control measures	NRDMS	995,000

16	Algorithm for Target identification using multi spectral images and signature	DRDL	990,000
17	Developing AI Systems for the Identification of Aerodynamic targets in real time using parameter measured by RADAR	DRDL	896,500
18	Optimal Rehabilitation and Expansion of Water Distribution Network	DST - TSG	714,000
19	Spatiotemporal Dynamics of Soliton propagation in Dual-Core Nonlinear Planar Waveguides	SERC	282,000
20	Investigation of a three legged parallel manipulator as a 6-DOF seismic simulator	SERC	1,361,800
21	Development of high - performance, oil based nanofluids & their application to jacketed vessels	SERC	1,200,000
22	Detailed slope stability study on lower camp - kumuli section on NH 220 & cut slope stability evaluation along the 6 km.	NRDMS	662,000
23	Application of Soft Computing tools on ocean ambient noise for study purpose	NIOT	598,000
24	Investigating the electrostatic mechanism of histone tail modifications on a chromatin array through molecular modeling and dynamics	DBT	3,027,000
25	Development of Stealth nanoimmunoliposomes for si - RNA delivery against EpCAM expressing epithelial cancers	DBT	7,138,000
26	Nanomechanical and tribological properties of nanocomposite diamond like carbon coatings	SERC	1,416,000
27	Mimic AIP II as a therapeutic tool for staphylococcus aureus pathogenesis	SERC	1,986,600
28	Weldability Studies on Sintered and Forged Low Alloy Steels	SERC	1,425,532