



KALASALINGAM

ACADEMY OF RESEARCH AND EDUCATION

(DEEMED TO BE UNIVERSITY)



Under sec. 3 of UGC Act 1956. Accredited by NAAC with "A" Grade
Anand Nagar, Krishnankoil - 626126. Srivilliputtur (Via), Virudhunagar (Dt), Tamil Nadu | info@kalasalingam.ac.in | www.kalasalingam.ac.in

Office of Research and Development

Total No. of Ongoing Research Projects (2015-2020) : 40
Total Amount : Rs. 14,51,56,634

List of Funded Projects – Ongoing

S. No	Title of the Project	Principal Investigator(s)	Funding Agency	Amount Sanctioned in Rs.	Approval letter Number and Date
1.	FIST	Dept. of ECE	DST	4200000	SR/FST/ETI-336/2013(c) dt. /10/2014
2.	Design of Phenothiazanylpyrimiding decorated novel heterocycles as antitubercular agents	Dr. C. Ramalingan/ Chemistry	ICMR	2100000	58/16/2013-BMS dt 03/03/15
3.	Elucidation of Mechanism of adriamycin mediated male reproductive toxicity and recovery by restoration of epididymal adipose tissue	Dr. S. Arunachalam/ Biotechnology	SERB	379845	YS/LS-99/2013 dt 27/07/2016

4.	Experimental Investigation on the effect of pylon based injection in Modified Dual Combustion Ramjet Engine	Dr. S. Jeyakumar/ Aeronautical Engineering	DRDO	931750	ARDB/01/1041 1833/M/I dt 19/01/17
5.	Experimental Investigations on Mixing and Combustion in a Modified Dual Combustion Ramjet Engine	Dr. S. Jeyakumar/ Aeronautical Engineering	SERB	2482970	EMR/2016/004 160 dt 25/03/17
6.	Energy Saving through IoT Based Building Automation and non linear predictive controller	Dr. D. Devaraj/EEE Dr. Seshadhri Srinivasan, /ICE Dr. B, Subathra/ICE Mr. M. Karuppasampandan/EEE	DST	2010360	TMD/CERI/BE E/2016/088(G) dt 09/03/17
7.	Fabrication and Systematic Investigation on Novel Nano Crystalline Quaternary Cu ₂ ZnSnX ₄ (X=S, Se, Te) Thin Films as Absorber Layer for Solar Cell Application by SILAR method".	Dr. Asath Bhadur/ Physics	SERB	1863911	EMR/2016/006 874 dt 04/08/2017
8.	Study on the effect of heat treatment on 3D printed Su-718 Material	Dr. J.T. Winowlin Jappes/Mechanical Dr. M. Adam Khan/Mechanical	DRDO	987900	GTRE/MMG/B MRI/1035/18/C ARS/A/18 dt 29/05/18

9.	Elucidating the role of PPAR alpha in the development of doxorubicin-induced cardiomyopathy	Dr. Sankarganesh Arunachalam/ Biotechnology	SERB	1000000	EMR/2016/003548 dt 05/06/18
10.	Use of recombinant bacteriophage as a novel delivery vehicle for viral CTL epitopes	Dr. K. Sundar/ Biotechnology	SERB	4429600	EMR/2016/003035 dt 16/07/2018
11.	Investigation on the performance of Abrasive Water Jet Machining on Armor Steel	Dr. M. Uthayakumar/A utomobile Engineering Dr. S. Thirumalai Kumaran/Auto mobile Engineering	DRDO	1135000	CVRDE/MMG /SPC/127/17- 18 dt 27/07/18
12.	Resilient and optimal micro-Energy-grid (ROME)	Dr. Seshadhri Srinivasan/Biom edical Dr. V. Vasudevan/CSE Dr. B. Subathra/ICE	Internatio nal Bilateral Cooperat ion Division	1989000	INT/NOR/RCN /ICT/P-05/2018 dt 06/08/18
13.	Unraveling the physiological mechanism of heartfulness meditation, Pranahuti-mediated benefits on cardiovascular risk	Dr. Sankarganesh Arunachalam/Bi otechnology	DST	4613968	DST/SATYAM /2017/119(G) dt 20.09.18
14.	A study on Hazard and Risk Assessment of firework industries in Sivakasi, Virudhunagar District, Tamilnadu	Dr. R. Ramalakshmi/ CSE A. Robert Singh/CSE	DST- NSTMIS	2790000	DST/NSTMIS/ 05/312/2017-18 dt 29.10.2018

15.	An IoT based Smart Artificial Pancreas and an ICT Platform for Treating Diabetes in Elderly	Dr. S. Seshadhri/Biom edical Dr. B. Subthara/ICE, Dr. Kim/ECE	DST-SEED	5640886	SEED/TIDE/2018/59/G dt 13.11.2018
16.	FIST	Dept. Of EEE	DST	2700000	SR/FST/ET-I/2018/214 dated 20-12-18
17.	A Smart Alginate-Pectin-Selenium nanoparticle scaffold and its application in cardiac tissue engineering	Dr. A. Muthukumaran/ Biotechnology	SERB	1788000	EMR/2017/004073 dated 29-11-18
18.	Investigations on rare earth metal doped metal molybdate nanocomposites prepared by microwave assisted combustion method for catalytic and energy storage applications	Dr. S. Asath Bahadur/ Physics	UGC-DAE	226440	CSR-KN/CRS-103/2018-19/1042 dated 26-12-18
19.	Corrosion studies on 316 SSB4C composite prepared by powder metallurgical route	Dr. S. Thirumalai Kumaran/Auto mobile Engineering Dr. M. Uthayakumar/ Automobile Engineering	UGC-DAE	226440	CSR-KN/CRS-115/2018-19/1053 dated 26-12-18

20.	Investigation of Lithium Based Metal Oxides and CNT Based Nanocomposites for Lithium Ion Capacitor Applications	Dr. N. Nallamuthu/ Physics	SERB-TARE	1830000	TAR/2018/001323 dt 22-02-19
21.	Self-Sustaining Photo Bio-Catalytic Reactors with Concomitant Biofuel Harvesting from Crepe Cotton Wastewater	Dr. Naresh Kumar Sharma/ Biotechnology	SERB-TARE	1830000	Tar/2018/000818 dt 27-02-19
22.	Evaluation of Solar PV System Performance under Partial Shading Conditions	Dr. A. Ramkumar	IEI	149000	R.6/2/DR/2019 - 20/DR2020002 dt 20.05.2019
23.	3D printed flexible optical fibers using biodegradable PHBV/Graphene Nanocomposites for Biophotonics applications	Dr. N. Rajini/ Mechanical Engineering	International Bilateral Cooperation Division	780000	DST/INT/Thai/P-08/2019 dt 15-06-19
24.	Micromachining of Biomedical Materials (Shape Memory Alloys) using Acidithiobacillus Ferrooxidans and Thiooxidans Microorganism	Dr. S. Rajesh/ Mechanical Engineering Dr. M. Uthayakumar/ Automobile Engineering	SERB	2572400	DST/TDT/AMT/2017/160(G) dt 03.06.2019

25.	Biological Treatment of Hazardous Sludge from Petroleum Refinery Industry	Dr. Naresh Kumar Sharma/ Biotechnology Dr. S. Vanitha/ Civil Engineering Dr. C. Sivapragasam/ Civil Engineering Dr. M.Swaminathan / Chemistry	Universiti Teknologi Petronas, Malaysia	177994	170_20181219_KARE_MAM Y dt 19.12.2018 (US\$2600)
26.	AICTE Margdarshan	Dr. J.T. Winowlin Jappes/Mechanical	AICTE	3000000	58/14/RIFD/Margdarshan/2019-20 dt 06.09.2019
27.	Development of Hybrid Imidazole-Metal Halide (IMZ-MX) and Gunaidine-Metal Halide (Gund-Mx) Derivative Perovskite Materials for Solar Cell and Tunable Solid State Light Emitting Applications	Dr. M. Krishna Kumar/ Physics	CSIR	604000	03(1468)/19/E MR-II dt 05.08.19
28.	Bio-Epoxy, Hemp Fiber Mat, Glass Fiber Mat, Characterization, Mechanical and Thermo Mechanical Properties	Dr. N. Rajini/Mechanical Engineering	ISRF	161667	10.07.2019

29.	Scientometric Assessment of Research Trends in Precision Agriculture: Global and Indian Perspectives	Dr. G. Rajaraman/Agri culture	NSTMIS	2004000	DST/NSTMIS/05/12/2018-19 dt 23.09.2019
30.	DST-NIMAT	Dr. J. Deny/Electronic s and Communication Engineering	NIMAT	380000	EDII/DST-NIMAT/19-20/324 dt 12.08.2019
31.	TNSCST Poly House and Training	Dr. G. Rajaraman/Agri culture	TNSCST	7735000	TNSCST/TDC/MOU/Grant/2019 dt 24.10.2019
32.	Bibliometric study of soft computing techniques and its applications	Dr. S. Ramkumar/ Computer Applications	NSTMIS	3031603	NSTMIS/2019/342 dt 06.11.2019
33.	Food Safety and Quality Analysis on Flexible Nanostructured Substrates by Surface Enhanced Raman Spectroscopy	Dr. Naidu Dhanpaul Jayaram/Physics	SERB	3201000	SRG/2019/001576 dt 17/11/2019
34.	S&T Tinkering Workhsop and Demonstration for School Children in districts of Madurai, Tirunelveli &Rameshwaram (aspirational districts) and Chennai	Dr. S. Seshadhri/Biom edical Dr. B. Subathra/ICE	DST-NCSTC	3720000	CO/B/FB/G09/2019 dt 10.12.2019

35.	Unraveling the role of carbon sources on biological activity of curdlan produced by novel marine bacteria	Dr. B. Vanavil/Biotechnology	SERB	2640000	SR/WOS-A/LS-462/2018 dt 14.05.2019
36.	Sustainable Materials	Dr. M. Uthayakumar/ Automobile Engineering Dr. P. Balamurugan/ Mechanical Engineering	Poland National Science Academy	3000000	PPI/APM/2018/1/00027 Dt 12.02.19
37.	Establishment of STI hub for production of ecofriendly and economical products to improve the socio-economic status of SC population in Srivilliputhur block, Virudhunagar District, Tamil Nadu State	Dr. R. Kanniga Devi/Computer Science Dr. N. Rajini/Mech Dr. M. Muthukannan/ Civil Dr. C. Ramesh Babu/Civil Dr. V. Kannan/Agri	DST-SEED	23843900	DST/SEED/SC SP/STI/2019/127/G dt 03.03.2020
38.	MSME-TBI	Dr. J. Deny	MSME	25000000	
39.	ATAL Community Innovation Center	Dr. SeshadhriSrinivasan/Biomedical Dr. V. Vasudevan/CSE Dr. B. Subathra/ICE	ATAL	18000000	

40.	Study effectiveness of Technology Business Incubators in South India	Dr. J. Deny/Electronic s and Communication Engineering	NSTMIS	Sanctioned	NSTMIS/2019/352 dt 09.10.2019
Total				145156634	