KARNATAK UNIVERSITY, DHARWAD

Research projects sanctioned to

Department of Microbiology and Biotechnology

Sl. No.	Name of the P.I. & Department	Title of the Project	Year	Funding Agencies	Sanctioned Amount In Rs.
1.	Dr. Chetan J D Dept. of Microbiology & Biotechnology, KUD	Functional Characterization of the Regulatory Genes Involved in Pungency in Capsicum sp.	2020-2021	DBT-NER Twining	12,35,200
2.	Prof. V Shyam Kumar	Fabrication of electroactive biopolymer from *Antheraea mylitta* silk fibroin hydrogel for tissue engineering.	2020-2022	VISION GROUP OF SCIENCE AND TECHNOLOGY Department of Electronics, lT, BT and S & T, Government of Karnataka Scheme: Centers of Excellence in Science, Engineering and Medicine (CESEM	30,00,000
3.	Prof. V Shyam Kumar	Biophysical characterization of MTA plus and Chitosan mixture for clinical application.	2016-2018	Rajiv Gandhi University of Health Sciences (RGUHS), Karnataka	4,00,000
4.	Prof.C.T.Shivasharana	Thrust area of	2017-2018	DST-FIST	50,00,000

	Coordinator DST-FIST, Dept. of Microbiology & Biotechnology, KUD	Research System biology approach and their applications on Biomedical and agricultural research			
5.	Prof. B. B. Kaliwal, Coordinator DBT-BIF Dept. of Microbiology & Biotechnology, KUD	Creation of Bioinformatics Infrastructure Facility for promotion of Biology teaching through Bioinformatics (BIF)	2008-2011	DBT	39,17,000
6.	Prof. B.B.Kaliwal, Coordinator DBT-IPLS Dept. of Microbiology & Biotechnology, KUD	DBT University of Karnataka Interdisciplinary life science programme for advance and education DBT	2010-2015	DBT-KUD IPLS	5,44,77,000
7.	Prof. B.B.Kaliwal, Coordinator DBT-BIF Dept. of Microbiology & Biotechnology, KUD	Bioinformatics infrastructure facility	2010-2011	DBT	7,49,000
8.	Prof. V Shyam Kumar	Wild silk proteins as novel Biopolymers for Biomedical applications	2013-2015	Department of Science and Technology-Science and Engineering Research Board (DST-SERB), Govt. of India	12,00,000
9.	Prof. V Shyam Kumar	Conjugation of wild silk proteins	2013-2015	Department of Science	19,00,000

		with polymer brushes for biomedical applications		and Technology, Govt. of India and United Kingdom India Education and Research Initiative (UKIERI) In the field of Advanced Materials including Nanotechnology. In collaboration with Dr.Julien Gautrot, School of Engineering and Materials Science Queen Mary, University of London	
10.	Prof. V Shyam Kumar	Application of Tasar and Muga Silk Sericin as material for Drug Delivery.	2009-2012	Department of Science and Technology, Govt. of India (Indo Korean collaborative project). In Collaboration with Prof.Ki Hoon Lee, Dept. of Material Sciences, Seoul National	39,00,000

				University, South Korea.	
11.	Prof. V Shyam Kumar	Identification and Biochemical Characterization of Antibacterial proteins from silkworm Bombyx mori by using 2-Dimensional Electrophoresis.	2009-2012	University Grants Commission, Govt. of India	9,75,000
12.	Prof. V Shyam Kumar	Large Scale Biotechnological production of human erythropoietin (EPO) protein in silkworm Bombyx mori using a baculovirus	2007-2010	Department of Biotechnology Govt. of India (Under Rapid Grant Scheme for Young Investigators (RGYI)	15,00,000