

**Department of Biotechnology  
RV College of Engineering  
Details of the ongoing funded Research project**

Sl. No	Title	Principal Investigator & Co Principal Investigator	Year of sanction	Funding Agency	Total Cost (lacs)
1	A novel multi-omics approach to predict the possible long-term complications of COVID-19.	Dr Vidya Niranjana	2022	ICMR	7.20
2	Health care in AI/ML Financial assistance for International Conference on AI/ML.		2022	Govt. of Karnataka	7.50
3	INSPIRE – Internship Science Camp.		2018	DST	9.75
4	Genetic Enhancement of Mulberry by Genomics Approaches: A Multi Component Network Project.		2016	DBT	29.6
5	Assessment of SNP Variation in Silkworm ( <i>Bombyx mori</i> L.) by RAD Sequencing and Genome-wide Association Mapping of Important Commercial Traits.		2017	DBT	26.00
6	Modernization of Next generation Genomics Laboratory for PG and Research.		2018	AICTE	8.0
7	Extraction of bioactive compounds from citrus peel wastes and formulation of edible product.	Dr A V Narayan	2021	KSTA	0.6
8	Regulation of xanthosine metabolism and its effect on caffeine biosynthesis in coffee plants.	Dr Nagashree N Rao (PI) Dr Ashwani Sharma (CoI)	2022	DBT	33.33
9	Functional characterization of the regulatory genes involved in pungency in Capsicum sp.	Dr Nagashree N Rao (PI) Dr Ashwani Sharma Dr Shivandappa (CoIs)	2019	DBT	11.92
10	Development of natural fiber based oil adsorbent for commercial and industrial applications.	Dr Nagashree N Rao (PI)	2020	AICTE	7.64

		Dr Ashwani Sharma Dr ShamAan (CoIs)			
11	Waste to energy.	Dr Lingayya Hiremath Dr G Vijay Kumar Dr Narendra Kumar S Dr Praveen Kumar Gupta	2017	KCTU (50%) RSST (50%)	55.00
12	Investigations on metabolite profile and betalains biosynthesis in <i>Basella</i> spp, An edible leafy vegetable.	Dr. Ashwani Sharma (PI) Dr. Nagashree N Rao (CoI)	2016	DBT	18.26
13	Kafifil- Kapok Fibre based filter, Make in India initiative.	Dr Ashwani Sharma (PI) Dr Nagashree N Rao (Co-I)	2021	KSTA	0.7
14	Continous Coloumn biosorption of azodyes from textile industry effluents using Zinc oxide chitin nano composites.	Dr Rajeshwari M	2021	KSTA	0.35
15	Nanoparticle based immobilization of carbonic anhydrase for environmental CO2 sequestration.	Dr Sumathra M	2018	VGST	5.00