

Extramural Funded Projects :

S.No	Title	Name of the Principal Investigator	Name of the Funding agency	Funds provided (INR in Lakhs)
1	Evaluation of biomarkers of inflammation in urticaria, pruritis, atopic dermatitis of a skin care product	Dr. Antara Banerjee	MOHB Growell Pvt Ltd	260000
2	Investigating the role of human mesenchymal stem cells and their extracellular vesicles to reduce endoplasmic reticulum stress-mediated unfolded protein responses in dextran sulfate sodium-induced colitis in in vitro and in vivo	Dr. Antara Banerjee	CSIR	2795360
3	The Role of TGF Beta and its mutation in the progression of acute kidney injury to chronic kidney disease and its correlation with other renal biomarkers	Dr. Brinda S	CSIR	1200000
4	Method for preparation of titanium dioxide nanoparticles from solanum tuberosum peel extract and applications thereof	Dr. Koyeli Girigoswami	All India Council for Technical Education	150000
5	Ameliorative role of chitooligosaccharides from deep sea squid fortified with dopamine from deep sea fishes and tuna fish in a rat model of Amyloid – β 42 induced neurodegeneration	Dr. Saravanan R	Ministry of Earth Sciences(MoES)	7956889
6	Telemedicine and Electronic Call Reminder and health Education (TECARE trial) for Diabetes: A Randomized Control Trial	Dr. Vinoth Gnana Chellaiyan D	ICMR	5637695
7	Cardioprotective effect of fruitflow on doxorubicin-induced cardiotoxicity	Dr. Surajit Pathak	Provexis, PLC, United Kingdom	1990000
8	Role of small peptides lunasin, atrial natriuretic peptide and bovine myeloid antimicrobial peptide-27 in regulation of Wnt signaling pathway in colon cancer	Dr. Surajit Pathak	Cukurova University, Turkey	405579
9	Role of APR and Statin in reducing the risk of colorectal cancer	Dr. Surajit Pathak	Linkoping University, Sweden	905913

10	Wearable self-powered intraocular pressure monitoring nanogenerators for sensitive detection of glaucoma	Dr. Weslen Vedakumari S	DST SERB	3206813
11	Evaluation of impact of coastal pollution on human health	Dr. Arunkumar R	NCCR	10000000
12	Luminescent microneedle patches to promote angiogenesis and remodel perifollicular microenvironment for alopecia treatment	Dr. Weslen Vedakumari S	DST SERB	2332297
13	Evaluation of Immunogenicity, Efficacy and Safety of single dose of COVID-19 vaccines (Covishield, Covaxin and Sputnik V) in previously SARS-CoV-2 infected individuals - A Randomized controlled clinical trial	Dr. Abinaya E	ICMR	12458982
14	Wastewater remediation using nanotechnology	Dr. Koyeli Girigoswami	Unnat Bharat Abhiyan	100000
15	Understanding COVID-19 pandemic through data and forecasting the future pandemic waves in India	Dr. Raja D	ICMR	665380
16	Task force study for evaluation of community level acceptability scalability and linkage within health system of ICMR pre-validated lablike technologies for screening and diagnosis in rural and urban population - An implementation research	Dr. Vinoth Gnana Chellaiyan D	ICMR	13120816
17	Identifying gaps and formulating strategies to strengthen the digital technologies that support tuberculosis services under NTEP	Dr. Raja D	ICMR	468612
18	Targeting cancer stem cells in colon and lung cancer through curcumin and Rutin and their analogs	Dr. Antara Banerjee	Retort Pharmaceuticals Pvt., Ltd.	726000
19	Recombinant Probiotic-mediated targeted delivery of CRISPR/Cas13 for the treatment of SARS CoV-2 viral infection	Dr. Hikku G S Dr. Meenakshi S	DBT	4102000
20	Nano fabric conditioner to impart antimicrobial property to Nomex of high performance fabrics	Dr. Hikku G S	LSRB, DRDO	3024406

21	Development and Application of Multiscale Modeling for Complex Biological Systems and Drug Design	Dr. Pandian S	DST- SERB	2101000
22	J C Bose Fellowship	Dr. Jagannathan N R	DST- SERB	3660000
23	Chitosan/alginate matrix containing copper doped hardystonite from agricultural waste for Bone Tissue Engineering.	Dr. Moorthi A	CSIR	390000
24	Antiviral activity of O-sulfated low molecular weight chitosan from industrial waste of cephalopods against herpes simplex virus in vitro	Dr. Saravanan R	DBT	2755700
25	Synergistic effect of nano-formulated kaempferol and combretastatin on anti-angiogenesis: in vitro and in ova approach.	Dr. Gowthamkumar S	DST- SERB	4626000
26	An approach towards investigating the interplay between microRNA 122 and AEG-1 protein in colon cancer progression	Dr. Surajit Pathak	DST- SERB	3066884
27	Role of human umbilical cord mesenchymal stem cells (UC-MSCs) and UC-MSC derived conditioned medium in regulation of colon cancer progression: An approach towards elucidating function of paracrine factors and epigenetic regulators	Dr. Antara Banerjee	DST- SERB	3352800
28	Role of TAZ protein as a stemness factor in human umbilical cord derived mesenchymal stem cells and its potential role in wound healing in personalised medicinal system	Dr. Surajit Pathak	DST (Indo-Italy)	1080000
29	Formulation of nanoparticle-based probe for multimodal imaging and therapy	Dr. Agnishwar Girigoswami	CSIR	600000
30	Role of Phytomarine compound in maintaining and improving the properties of mesenchymal stem cells	Dr. Surajit Pathak	ReGenera Research Group, Milano, Italy	252660