

# Department of Botany University of Kashmir



## Research Funding (2019-2023)

Number of Research Projects Funded: **Twenty (20)**

Total Grants for Research funding received: **INR 919.34 Lakhs**



**Self-Study Report (SSR) 2019-2023**



S. No	Name of the PI/ Co-PI/ Name of the person holding the Chair	Title of the research project, endowments, Research Chairs	Name of the funding agency	Duration	Year of award or sanction	Amount in INR.
1	Manzoor A. Shah; Zafar A. Reshi; Irfan Rashid	Mapping, modelling and managing invasive species in some protected areas of Kashmir Himalaya, India	Department of Biotechnology (DBT), Government of India	2019-2022	2019	6,891,400
2	Anzar A. Khuroo; C.P. Singh	Characterizing patterns and processes of alpine ecosystem in Indian Himalaya with special emphasis to Jammu and Kashmir	Space Applications Centre (SAC-ISRO), Ahmedabad under SHRESTI Program	2019-2023	2019	40,94,000
3	Anzar A. Khuroo; Tanveer ul Hassan Dar	Management of Ox-Eye Daisy ( <i>Leucanthemum vulgare</i> ) in protected areas of Kashmir Himalaya	Department of Biotechnology (DBT), Government of India	2019-2022	2019	46,87,200
4	Anzar A Khuroo; Tanveer ul Hassan Dar	Conservation genetics and species recovery of threatened Himalayan Trillium in Hirpora wildlife sanctuary, Kashmir Himalaya	Department of Biotechnology (DBT), Government of India	2019-2023	2019	75,50,480
5	Manzoor A. Shah, et al.	Long-term monitoring of biodiversity and ecosystem processes in Indian grasslands (partner)	Ministry of Environment, Forest and Climate Change (MoEF&CC)	2020-2023	2020	40,00,000
6	Zafar A. Reshi and Manzoor A. Shah	Invasive alien plants in Himalayas: Status, ecological impact and management	Ministry of Environment, Forest and Climate Change (MoEF&CC) under NMHS	2020-2022	2020	62,20,000
7	Anzar A. Khuroo	Himalayan alpine biodiversity characterization and information network	Ministry of Environment, Forest and Climate Change (MoEF&CC) under NMHS	2020-2023	2020	39,00,240
8	Reyaz Ahmad Dar; Irfan Rashid	Phytoliths as quantitative indicators for the reconstruction of past environmental conditions in Kashmir Himalayas, India	Ministry of Earth Sciences (MoES), Government of India	2021-2024	2021	65,50,430
9	Zafar A. Reshi	Establishment of JK Chapter under Himalayan Knowledge Network	G.B. Pant National Institute of Himalayan Environment	2021-2022	2021	5,00,000
10	Riffat John	Investigation of altitudinal adaptation of <i>Trifolium pratense</i> in their natural habitats by proteomic and microbiome analysis	Science and Engineering Research Board (SERB) Department of Science and Technology (DST)	2021-2024	2021	43,56,264
11	Manzoor A. Shah; Sarla Khalid; Tanveer Rasool	Value products from invasive plant species for improving livelihoods of marginalized communities in Indian Himalaya	Department of Biotechnology (DBT), Government of India	2022-2025	2022	85,66,800
12	Manzoor A Shah and Anzar A. Khuroo	Functional diversity, phenology, and frost resistance in plants under extreme	Science and Engineering Research Board (SERB)	2022-2025	2022	48,09,992

		Himalayan environments	Department of Science and Technology (DST)			
13	Riffat John	Mapping of QTL and identification of regulatory genes conferring cold stress tolerance in maize landrace from Kashmir Himalayan region	Science and Engineering Research Board (SERB) Department of Science and Technology (DST)	2023-2026	2023	67,15,681
14	Riffat John	Development of microbial consortia for improving growth and active components in <i>Bacopa monnieri</i> (L.)	National Medicinal Plants Board (NMPB), AYUSH	2023-2025	2023	26,258,00
15	Anzar A Khuroo	Systematics and conservation of <i>Genus Artemisia</i> L. (Asteraceae) in India	Science and Engineering Research Board (SERB) Department of Science and Technology (DST)	2023-2027	2023	38,06,264
16	Zafar A. Reshi; Manzoor A. Shah; Irfan Rashid	Biotechnological interventions for management of protected areas	Department of Biotechnology (DBT), Government of India	2023-2026	2023	49,00,480
17	Manzoor A. Shah, et al.	Technological innovations for development of functional foods from ethnic fermented foods of the Indian Himalayas	Department of Biotechnology (DBT), Government of India	2023-2027	2023	28,32,240
18	Sumira Tyub; Irfan Rashid	Drivers of treeline shift in Kashmir Himalaya, Government of India	Science and Engineering Research Board (SERB) Department of Science and Technology (DST)	2023-2025	2023	33,66,264
19	Zahoor A. Kaloo	In vitro propagation as measure for conservation of the elite chemotype of the threatened medicinal herb <i>Rheum moorcroftiana</i> Royle from North Western Himalaya	Science and Engineering Research Board (SERB) Department of Science and Technology (DST)	2023-2027	2023	35,86,264
20	Shahzad Ahmad Pandit	Calcium oxalate crystals in <i>Rheum moorcroftiana</i> Royle, deciphering their synthesis and role in defense against herbivory and heavy metal stress.	Science and Engineering Research Board (SERB) Department of Science and Technology (DST)	2023-2027	2023	46,00,000