

**PAKISTAN SCIENCE FOUNDATION
MINISTRY OF SCIENCE AND TECHNOLOGY
1-CONSTITUTION AVENUE
ISLAMABAD**

NSFC-PSF JSEP-2022 RESULTS

No.	NSFC Application Number	Pakistan Application Number	Category	Project Title	Chinese PI	Chinese PI Affiliation	Pakistani PI	Pakistani PI Affiliation
1	1221101532	PSF-NSFC/JSEP/383/2022-23	Exchange program	Multi-criteria Decision-making of Collision Detection based on Aggregation Models of Group Generalized Intuitionistic Fuzzy Soft Sets	Peng Jigen	Guangzhou University	Khizar Hayat	University of Kotli AJ & K
2	2221101453	PSF-NSFC/JSEP/389/2022-23	Exchange program	MOF-MXene Hybrid Nanomaterials for Zn-ion Battery and Electrocatalysis: A Self-Powered Water Purification System	Bao Shujuan	SOUTHWEST UNIVERSITY	Aziz ur Rehman	The Islamia University
3	4221101406	PSF-NSFC/JSEP/108/2022-2023	Exchange program	Spatio-temporal glacier variation and its influence on the water availability in Hunza Basin along the CPEC route	Wu Kungeng	Yunnan University	Adnan Ahmad Tahir	COMSATS University Islamabad

4	4221101498	PSF-NSFC/JSEP/262/2022-2023	Exchange program	Ecological and molecular assessments of the prioritized endemic plants in the Himalaya	Liu Jie	Kunming Institute of Botany, Chinese Academy of Sciences	Shujaul Khan	Quaid-i-Azam University
5	5221102066	PSF-NSFC/JSEP/336/2022-2023	Exchange program	Research on High Speed Machine for Air Compressor Drive System	Zhao Fei	Harbin Institute of Technology	Qasim Ali	Sukkur IBA University
6	6221101551	PSF-NSFC/JSEP/456/2022-23	Exchange program	Research on semi-autonomous intelligent control of intrarenal interventional robot through the natural orifice	Xie Le	Shanghai Jiao Tong University	yasar ayaz	National University of Sciences & Technology, Pakistan
7	7221101352	PSF-NSFC/JSEP/292/2022-2023	Exchange program	Adaptation mechanism of Water, Food and Ecosystem synergistic Security in CPEC under climate change	Han Hongyun	Zhejiang University	Muhammad Khalid Bashir	University of Agriculture, Faisalabad
8	7221101356	PSF-NSFC/JSEP/392/2022-23	Exchange program	"China-Pakistan" nexus of electronic vehicle industry chain and coordinated development policy	Li Huajiao	China University of Geosciences (Beijing)	Asma Arif	University of Wah
9	8221101453	PSF-NSFC/JSEP/170/2022-23	Exchange program	Identification and safety of plant origin and host plants of Cistanches Herba , a traditional food and herbal medicine in China and Pakistan	Huang Linfang	Institute of Medicinal Plant Development, Chinese Academy of Medical Sciences	Bashir Ahmad	Bacha Khan University

10	1221101518	PSF-NSFC/JSEP/368/2022-2023	Exchange program	Stability Characteristics Prediction, Dynamics, and Control of Atmospheric Entry Vehicles	Xie Dan	Northwestern Polytechnical University	Adnan Maqsood	National University of Sciences & Technology
11	4221101437	PSF-NSFC/JSEP/207/2022-23	Exchange program	Exploring the supply mechanism of small-scale irrigation facilities in rural areas of China and Pakistan under climate change scenario	Zhai Shiyan	Henan University	Raza Engr. Faakhar	Pakistan Council of Research in Water Resources (PCRWR)
12	5221102105	PSF-NSFC/JSEP/215/2022-23	Exchange program	Study on the characteristic of the liquid milk-bacteria particles liquid-solid two-phase flow in microchannel of MEMS sensor and the real-time detection method of particles	Fan Liangliang	Xi'an Jiaotong University	Sohail Iqbal	Air University
13	5221102153	PSF-NSFC/JSEP/382/2022-23	Exchange program	Assessment and Regulation Mechanism for Mitigation of Climate Change impact on Water-Energy-Food Nexus in typical areas of China and Pakistan	Li Yalong	Changjiang River Scientific Research Institute	Kamal Ahmed	Lasbela University of Agriculture Water and Marine Sciences
14	4221101443	PSF-NSFC/JSEP/319/2022-2023	Exchange program	The Impact of Climate Change on Water Resources in the Indus River Basin and Adaption Strategy to Cope with	Zhu Wenbin	Institute of Geographic Sciences and Natural Resources Research, Chinese	Bashir Ahmad	Climate, Energy and Water Research Institute (CEWRI)

						Academy of Sciences		
15	3221101925	PSF-NSFC/JSEP/365/2022-2023	Exchange program	Management of bacterial leaf blight by biological agents	Kou Yanjun	China National Rice Research Institute	Khajista Jabeen	Lahore College for Women University
16	3221101851	PSF-NSFC/JSEP/177/2022-23	Exchange program	Application of genomic assays for the development of improved wheat genotypes—varieties with improved amylose content	Liu Dong Cheng	Agricultural University of Hebei	Mehboob UR Rehman	National Institute for Biotechnology & Genetic Engineering (NIBGE)
17	2221101448	PSF-NSFC/JSEP/431/2022-2023	Exchange program	Fe-encapsulated hollow zeolites hollow zeolite used as oxygen carrier for chemical looping combustion: An experimental and computational study	Zhang Xubin	Tianjin University	MUHAMMA D ZAMAN	Pakistan Institute of Engineering and Applied Sciences
18	5221102087	PSF-NSFC/JSEP/135/2022-2023	Meeting	Application of spectral process manufacturing analysis technology in intelligent manufacturing	Ying Tian	Shandong University Of Science and Technology	Muhammad Akhyar Farrukh	Chemistry Forman Christian College