

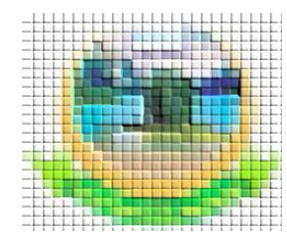


**Shaheed Benazir Bhutto University,
Sheringal, Pakistan**

**ORIC-SBBU-2023-24
Khyber Pakhtunkhwa, Pakistan**

**OFFICE OF THE RESEARCH, INNOVATION &
COMMERCIALIZATION-SBBU-SHERINGAL**

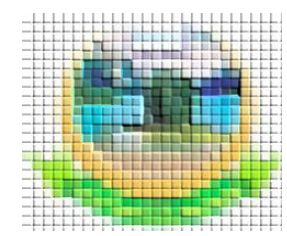
2021-2023”



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KP, Pakistan

ORIC-SBBU

**OFFICE OF
RESEARCH INNOVATION
AND COMMERCIALIZATION
(ORIC)**



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Directorate ORIC-SBBU



Director ORIC

Dr. Syed Abdul Khaliq Jan
Ph.D. Chemistry (Pak), Post Doc
(UNESCO Fellow, CAS, China),
BEMS (Pak)



Manager Linkages

Dr. Zul Kamal
Ph.D. Pharmacy (Shanghai,
China), TCM (China), Cupping,
BEMS (Pak)



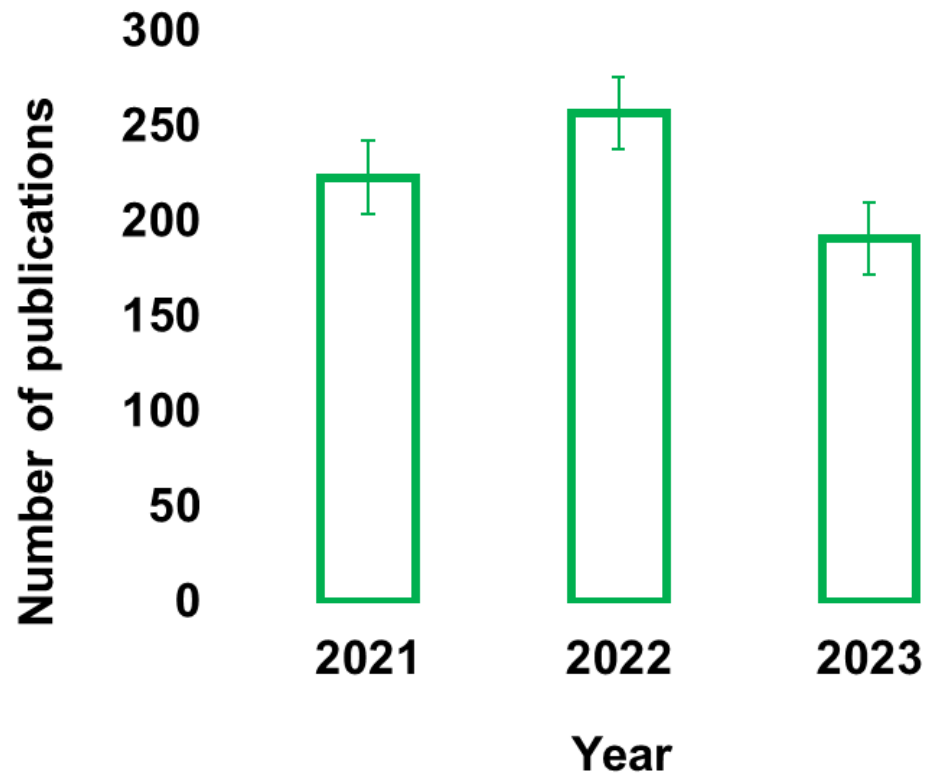
R&D

Dr. Adnan Ahamd
Ph.D. Forestry (China), MS (ARID,
Pak)



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Number of Research Publications



Number of Publications:

2023	191
2022	257
2021	223

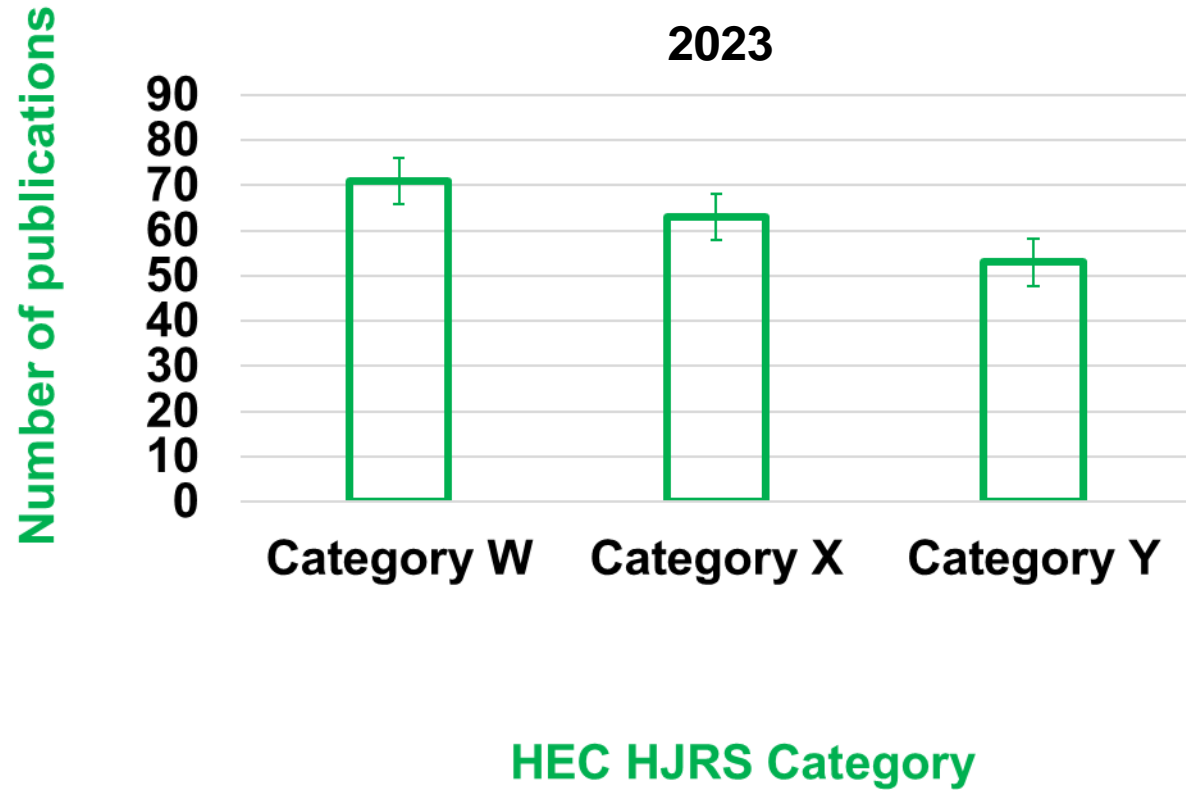
Total Publication in 2021-2023:

n = 671



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Current Year-2023 Publications



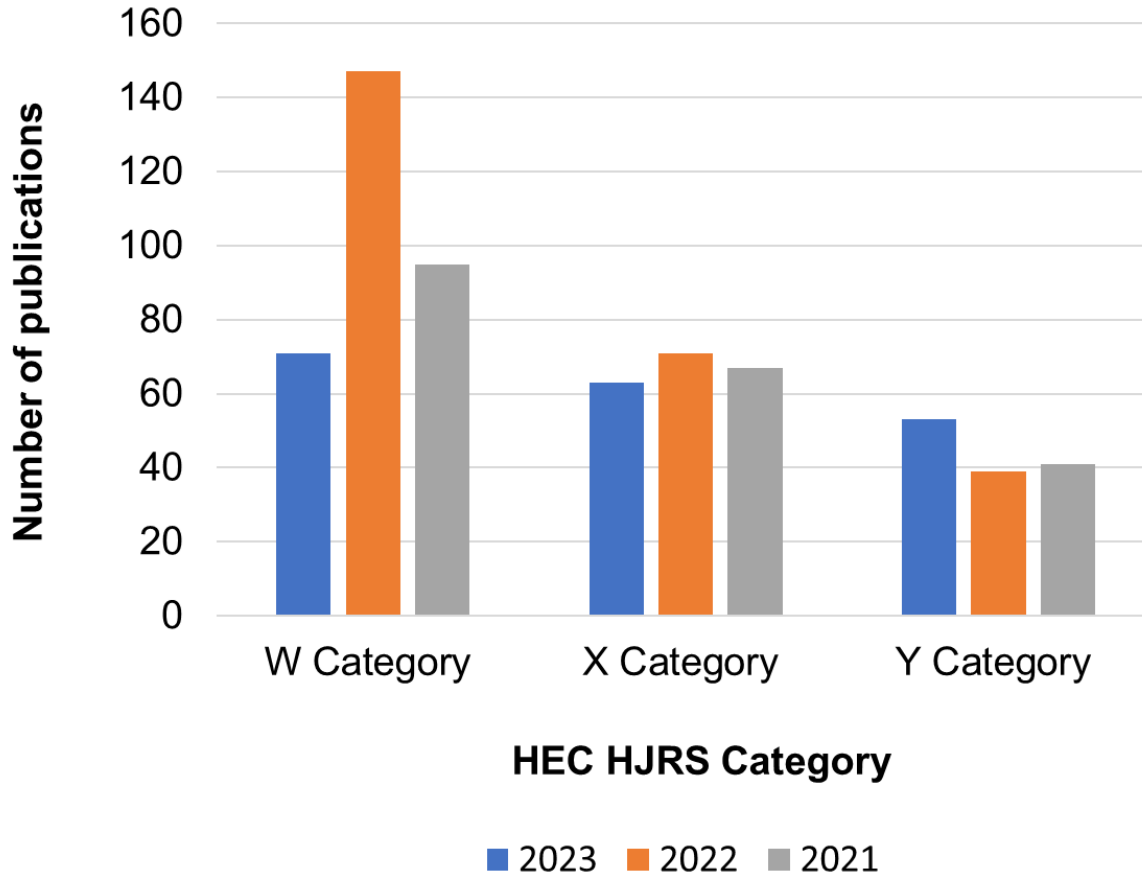
Year 2023

Category W = 71

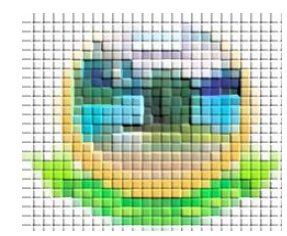
Category X = 63

Category Y = 53

HEC HJRS Categorization (2021-2023)



Year 2021-2023
Category W = 313
Category X = 201
Category Y = 133



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MOUs-International Linkages

MOU Signed with International Universities

	Year
BOZOK UNIVERSITY, TURKEY	2015-2018
DICLE UNIVERSITY, TURKEY	2015-2018
FATIH UNIVERSITY, TURKEY	2015-2018
GEDIZ UNIVERSITY, TURKEY	2015-2018
T.R. ERIZINCAN UNIVERSITY, TURKEY	2015-2018
TRAKYA BALKAN UNIVERSITY, TURKEY	2015-2018
YILDIRIM BEYAZIT UNIVERSITY, TURKEY	2015-2018
NAMIK KEMAL UNIVERSITY, TURKEY	2015-2018
ROYAL UNIVERSITY OF DHAKA	2019-2021
UNIVERSITY OF MALAYA, MALAYSIA	2020-2022
ISLAMIC UNIVERSITY IN UGANDA (IUIU)	2018-2020
UNIVERSITY OF OXFORD, UK	2021-2023

N = 12
International
Linkages



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International Linkages (Since 2021-2023)

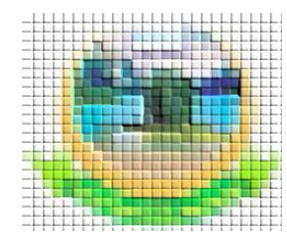
S. No.	Type of Linkage	National or International	Host Institution Name	Host Institution Country	Collaborating Agency/Institution Name	Collaborating Agency/Institution Country	Field of Study / Research Broader Areas	Date
1	Academic /Research	International	SBBU	Pakistan	Royal University of Dhaka	Bangladesh	Science/ Humanities	2021
2	Academic /Research	National	SBBU	Pakistan	Islamic University in Uganda	Uganda	Science/ Humanities	2021
3	Academic /Research	National	SBBU	Pakistan	University of Oxford	United Kingdom	Antimicrobial Resistance	2021
4	Academic /Research	National	SBBU	Pakistan	University of Malaya	Malaysia	Management Sciences	2022

MOUs-National Linkages

MOU Signed with National Universities/Research Centers Year

GOMAL UNIVERSITY, DI KHAN	2016-2021
KHUSHAL KHAN KHATTAK UNIVERSITY, KARAK	2016-2021
QUAID-E-AZAM UNIVERSITY, ISLAMABAD	2016-2021
UNIVERSITY OF KARACH, KARACHI	2016-2021
UNIVERSITY OF SCIENCE AND TECHNOLOGY, BANNU	2016-2021
AZAD JAMMU AND KASHMIR UNIVERSITY , MUZAFARADBAD, AJK	2016-2021
ALGOBOL ALGHARBI UNIVERSITY	2016-2021
INDUS UNIVERSITY KARACHI	2016-2021
NCEG, UNIVERSITY OF Peshawar	2016-2021
MEMORANDUM OF UNDERSTANDING BETWEEN SBBU AND ASSOCIA	2022
WOMEN UNIVERSITY, SWABI	2022
KARAKORRUM INTERNATIONAL UNIVERSITY, GILGIT	2022
NATIONAL CLEANER PRODUCTION CENTER, RAWALPINDI	2022

N = 13
National
Linkages



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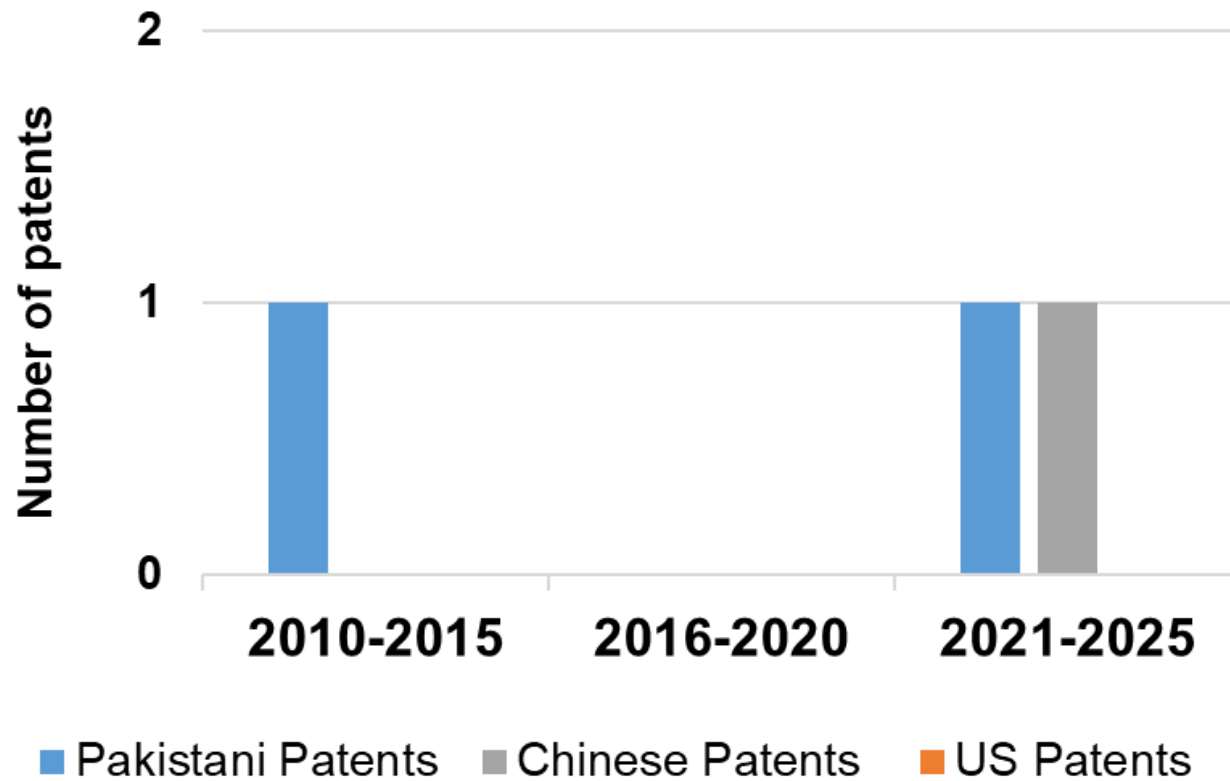
National Linkages (Since 2021-2023)

S. No.	Type of Linkage	National or International	Host Institution Name	Host Institution Country	Collaborating Agency/Institution Name	Collaborating Agency/Institution Country	Field of Study / Research Broader Areas	Date
1	Academic /Research	National	SBBU	Pakistan	Indus University, Karachi	Pakistan	Science/ Humanities	2021
2	Academic /Research	National	SBBU	Pakistan	NCEG/ University of Peshawar	Pakistan	Science/ Humanities	2021
3	Academic /Research	National	SBBU	Pakistan	Women University, Swabi	Pakistan	Science/ Humanities	2022
4	Academic /Research	National	SBBU	Pakistan	KIU, Gilgit	Pakistan	Mountain studies	2022
5	Academic /Research	National	SBBU	Pakistan	NCPRC, Rawalpindi	Pakistan	Environment/ Cleaning	2022



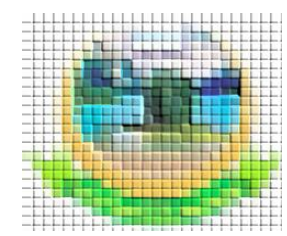
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Patents



Pakistani Patent = 02

Chinese Patent = 01



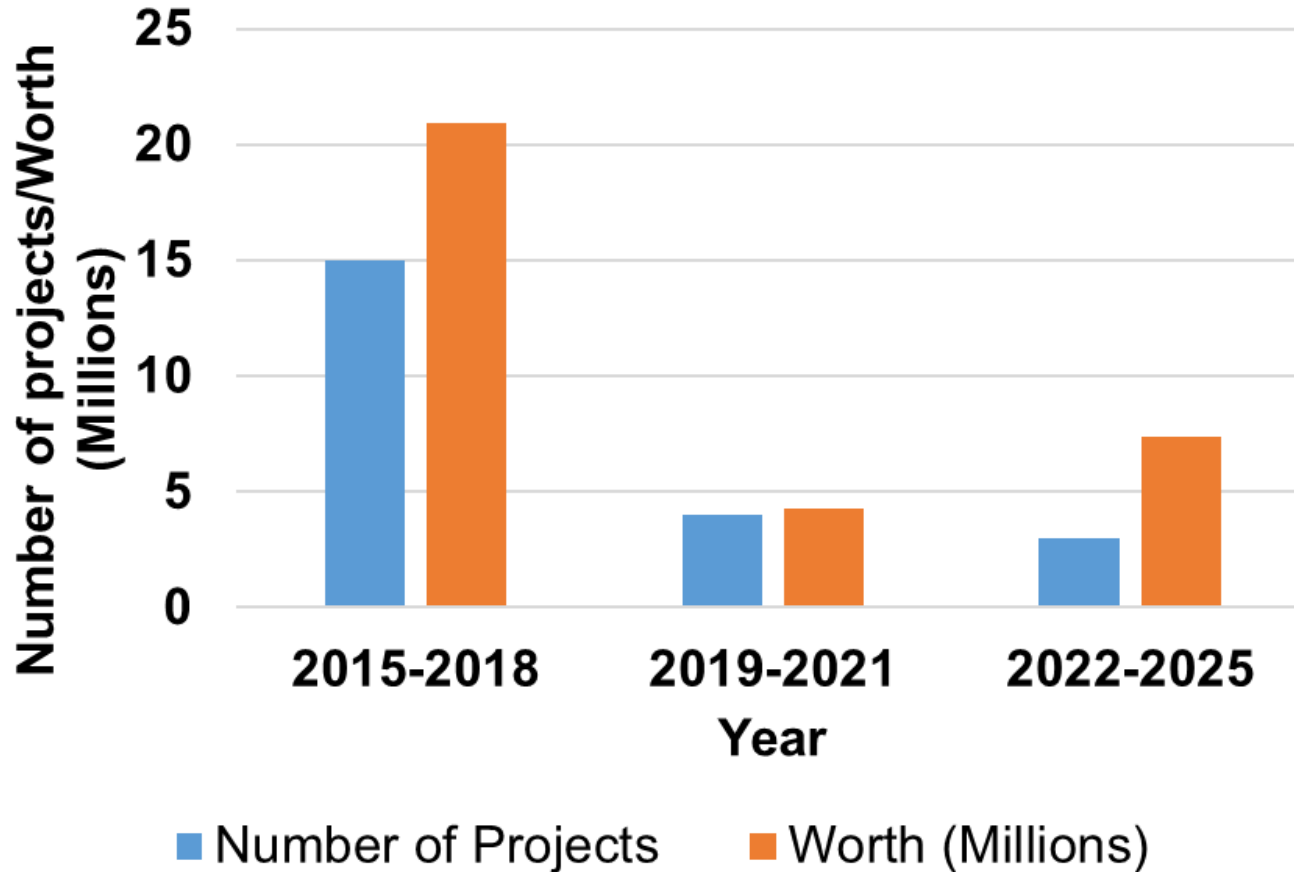
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Patents/Commercialization

1. Kauser Siddiqui, Kanwal Abbasi, Mehreen Akber, Muhammad Saleem, Lubna Iqbal, **Muhammad Riaz**, Kaniz Fizza Azhar. “A process for the preparation of an analgesic cream for joints and arthritis pain” **Government of Pakistan**, The patent office. **Application # A61K 03/00. 795/2012 dated 2013.**
2. Jing Su, Li Yichen , Qiu Mingfeng, Yuan Weien, Rong Ruonan, Liu Yuhao, **Zul Kamal**. “A delivery system of red blood cell-loaded irinotecan hydrochloride adsorbed by nano-alumina and its preparation method and application” **People Republic of China**, The Scientific Research system of Shnanghai Jiao Tong University, China. **Application #18Z101130033, SI. No:5495527 dated 22 Jan 2022**
3. **Nasir Mehmood, Farman Ali Khan, Shujaat Ahmad, Muhammad Asif Nawaz**, Sofia Qaiser. “A process for the production of low glycemic index flour from starch-fatty acid complexes through high speed shear homogenization” **Government of Pakistan**, The patent office. **Application # 347/2021 SI.No: 144023 dated 04 Oct 2022.**

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Research Grants/Projects



Total number of projects = 22
NRPU/HEC = 08
SRGP/HEC = 12
PARC = 01
Science and Technology, KP = 01

Total Worth (Since 2015-2023 = 32.633 M



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HEC/NRPU/SRGP Projects (Since 2021-2023)

S. No.	Funding Body	National or International	Total Funding (Rs.) Millions	Key Project Deliverables	Key Project Outcomes	Date
1	NRPU/HEC	National	1.9		Drug Discovery	2021
2	SRGP/HEC	National	0.45		Ethnobotany	2021
3	NRPU/HEC	National	2.8		Drug Discovery	2022
4	NRPU/HEC	National	4.2		Forest Management	2022
5	Dost/KP	National	0.4		Instrumental work	2023
	Total		7.45			2021-2023



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Research Awarded by Industry or Organizations

S. No.	Title of Research Proposal	Counterpart from Industry/Govt.	Sponsoring Agency Name	National or International	Total Amount Approved (Rs.)	Project Expected Outcomes	Date
1.	Strengthening of Biological Labs/Pharmacy Microbiology/ Zoology Lab-Wari Campus	SBBU/ABM	ABM/Health Security Partner	National/ International	10.00	Strengthening of Microbiology Lab/Training of Students, Faculty, Lab attendants, sweepers, supply of equipment's	2022

Focal Person:

Dr. Abid Ullah (Pharmacy, SBBU)

Dr. Muhammad Younas (Zoology, Wari, SBBU)



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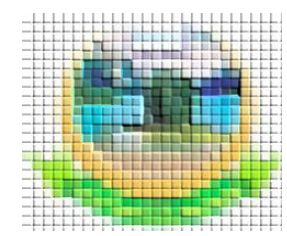
Highest Impact Factor Journals (2021-2023)

S. No	Research article	Journal	IF (≥ 10)	Author/SBBU
1.	Measuring routine childhood vaccination coverage in 204 countries and territories, 1980–2019: a systematic analysis for the Global Burden of Disease Study 2020.	<i>The Lancet</i> (2021)	168.932	Zul Kamal (Pharmacy) GBD Collaborator
2.	Mapping routine measles vaccination in low-and middle-income countries	<i>Nature</i> (2021)	69.504	Zul Kamal (Pharmacy) GBD Collaborator
3.	Global, regional, and national incidence and mortality burden of lower respiratory infections and a etiologies, 1990–2021: a systematic analysis from the Global Burden of Disease Study 2021	<i>The Lancet Infectious Diseases</i> (2023)	71.421	Zul Kamal (Pharmacy) GRAM-AMR-GBD Project, University of Oxford, UK
4.	The global burden of adolescent and young adult cancer in 2019: a systematic analysis for the Global Burden of Disease Study 2019.	The Lancet Oncology (2021)	54.433	Zul Kamal (Pharmacy) GBD Collaborator



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S. No	Research article	Journal	IF (≥ 10)	Author/SBBU
5.	Recent Advances in Cell Membrane-Derived Biomimetic Nanotechnology for Cancer Immunotherapy.	<i>Advanced Healthcare Materials</i> (2021)	11.092	Zul Kamal (Pharmacy) PhD Project
6.	On the current state of query formulation for book search.	<i>Artificial Intelligence Review</i> (2023)	10.032	Irfan Ullah & Mehmood Khan (Computer Science)
7.	Investigating the nexus between GDP, oil prices, FDI, and tourism for emerging economy: Empirical evidence from the novel fourier ARDL and hidden cointegration	<i>Resources Policy</i> (2022)	10.222	Adnan Ali (Management Science)
8.	Financial development and natural resources. Is there a stock market resource curse?	<i>Resources Policy</i> (2021)	10.222	Adnan Ali (Management Science)



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S. No	Research article	Journal	IF (≥ 10)	Author/SBBU
9.	Stock market resource curse: The moderating role of institutional quality	<i>Resources Policy</i> (2022)	10.222	Adnan Ali (Management Science)



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National or International Honors / Awards

S. No.	Title of Award	Forum / Conferring authority / organization name	Brief Details of work honored	Amount of Prize Money (if any)	Date
1.	*Winner	8 th Asia International Conference, Kuala Lumpur, Malaysia	Five Minutes Presentation Competition	1000 MYR	2022
2.	*Runner Up	University Technology, Mara, Malaysia	National Pitching Research Competition	250 MYR	2022

***Winner**

Dr. Adnan Ali, HOD/Assistant Professor,
Department of Management Sciences)

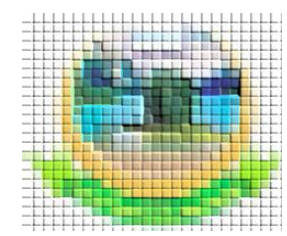


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SBBU-Research Areas

**Research Areas/Interests/
Commercialization Open for
Collaborations for
National & International
Organizations/Universities**

1. Medicinal Plants, Natural Product Chemistry
2. Drug Discoveries, Traditional Medicines
3. Antimicrobial Resistance,
4. Mapping and Geo-Spatial Analysis
5. Polymer Chemistry's
6. Biotechnology and Food Sciences
7. Forest Management
8. Wild Life and Live Stock
9. Plant Sciences, Genetics and Ecology
10. Flora and Fauna
11. Mountain studies
12. Geological Sciences
13. Environmental Sciences
14. Agriculture Sciences
15. Management Sciences, Eco-tourism and HRM
16. English Literature and Linguistics
17. Socio-Cultural Sciences and Anthropology
18. Computer Sciences, artificial intelligence
19. Networking



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Designed and Compiled by:
Dr. Zul Kamal (Manager Linkages)
Contact: xulkamal@sbbu.edu.pk