



ZIAUDDIN UNIVERSITY

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Date: 16th June, 2023

To,

Office of Research, Innovation, and Commercialization (ORIC)

Ziauddin University,

Clifton Campus,

Karachi

Subject: ORIC Annual Report 2022-2023

This is to confirm that ORIC has shared the Annual Report 2022-2023 with the Board of Advance Research Studies (BASR)

A handwritten signature in black ink, appearing to read 'Saeeda Baig', written over a horizontal line.

Prof. Dr. Saeeda Baig

Secretary BASR

**ZIAUDDIN
UNIVERSITY**

**ANNUAL
REPORT
2022-2023**



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

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

ZIAUDDIN UNIVERSITY

VISION

Enabling Ziauddin University to drive high-impact innovation, applied research, and entrepreneurship to benefit our society

MISSION

To promote the public good by advancing science, fostering innovation, and translating new inventions made at Ziauddin University into Useful Products/Services/Procedures that are available and beneficial to society. It works in partnership with colleagues in academic departments, colleges, and external stakeholders to provide comprehensive support for research enterprise impact and knowledge exchange activity

A photograph of a modern conference room. In the center is a large, polished wooden conference table with a circular cutout in the middle. Several black office chairs are arranged around the table. At the far end of the room, a large flat-screen television is mounted on the wall. The room has a high ceiling with recessed lighting and wood-paneled walls. A dark green rectangular box is overlaid on the top half of the image, containing the text 'PREFACE/ EXECUTIVE SUMMARY' in white, serif, all-caps font.

PREFACE/
EXECUTIVE
SUMMARY

PREFACE/ EXECUTIVE SUMMARY

Statement of Purpose:

The purpose of the Office of Research, Innovation, and Commercialization (ORIC) is to develop, expand, enhance, and manage the ZU research-related programs and to link research activities directly to the educational, social, and economic priorities of the university and its broader community. ORIC is also responsible for assuring that the quality of research reflects the highest international standards and advances the stature of the university as one of the best research institutions in the country. ORIC has the responsibility to make sure that all research programs and policies of the university reflect the core values of academic freedom, professional integrity, and ethical conduct and to guarantee the full compliance of all policies, legal requirements, and operational standards of the university and the HEC. collaborations. The academic environment at Ziauddin University enables students to support academic excellence and presents opportunities to faculty, Researchers to excel in their intellectual pursuits and build upon an environment that is highly competitive and academic. It also fosters entrepreneurial skills and academic excellence and motivates individuals to involve themselves in academic quests of the highest standards. We look forward to building upon our strengths and increasing our impact. ORIC Annual report covers a summarized view of performance targets achieved by ORIC-ZU, these targets have been achieved in the strategic KPIs / areas of Research, Innovation & Commercialization & Entrepreneurship, Linkages & Outreach & capacity building during 2022-2023. ORIC ZU is highly grateful to ZU management, Deans of faculty & college principals, faculty members, researchers, and allied departments for the support of all faculties and researchers in uplifting the research profile of Ziauddin University.

From the desk of the Director ORIC

Dr. Zulfiqar Ali Umrani

ABOUT
OFFICE OF
RESEARCH
&
INNOVATION &
COMMERCIALIZATION
(ORIC)



OFFICE OF RESEARCH, INNOVATION, AND COMMERCIALIZATION (ORIC)

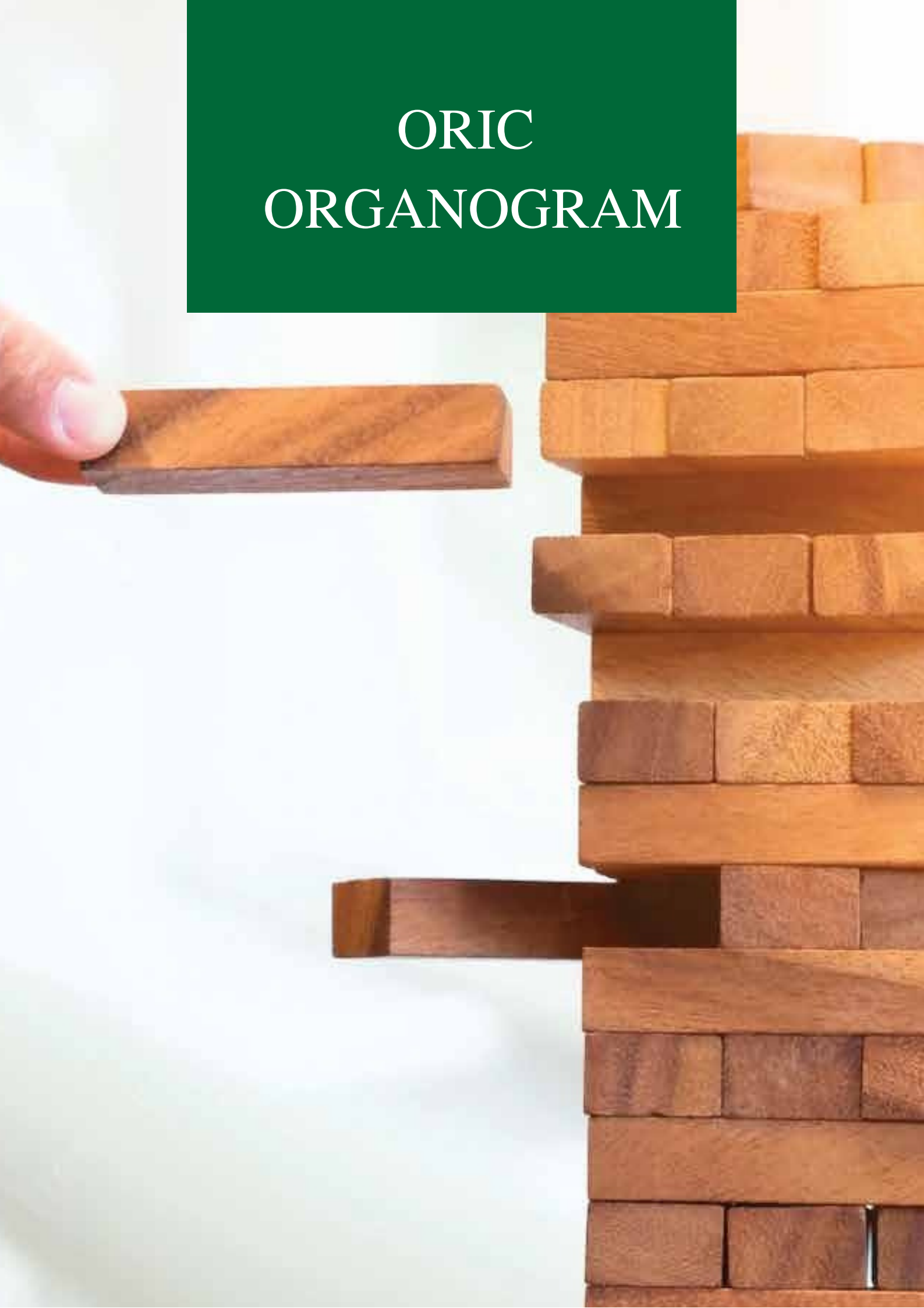
As one of the leading institutes in Pakistan, Ziauddin shoulders the responsibility that the faculty and the students are powered with the skills and resources to bring innovations for the betterment of the world. Ziauddin is encouraging and equipping researchers to commercialize their ideas so that they can actively partner with the industry. We have broadened our spectrum of research programs that attract both the faculty and the students to actively take part in research each year.

In due respect, Ziauddin then established the Office of Research, Innovation, and Commercialization (ORIC) in the year 2015 which then started its operations officially in 2020. ORIC at Ziauddin aims to operate under the vision of Ziauddin while abiding by the standards set by HEC and the United Nations. With the creation of ORIC, faculty at Ziauddin can now actively participate in research projects with first-hand availability of grants that will allow them to execute their projects as swiftly as possible.

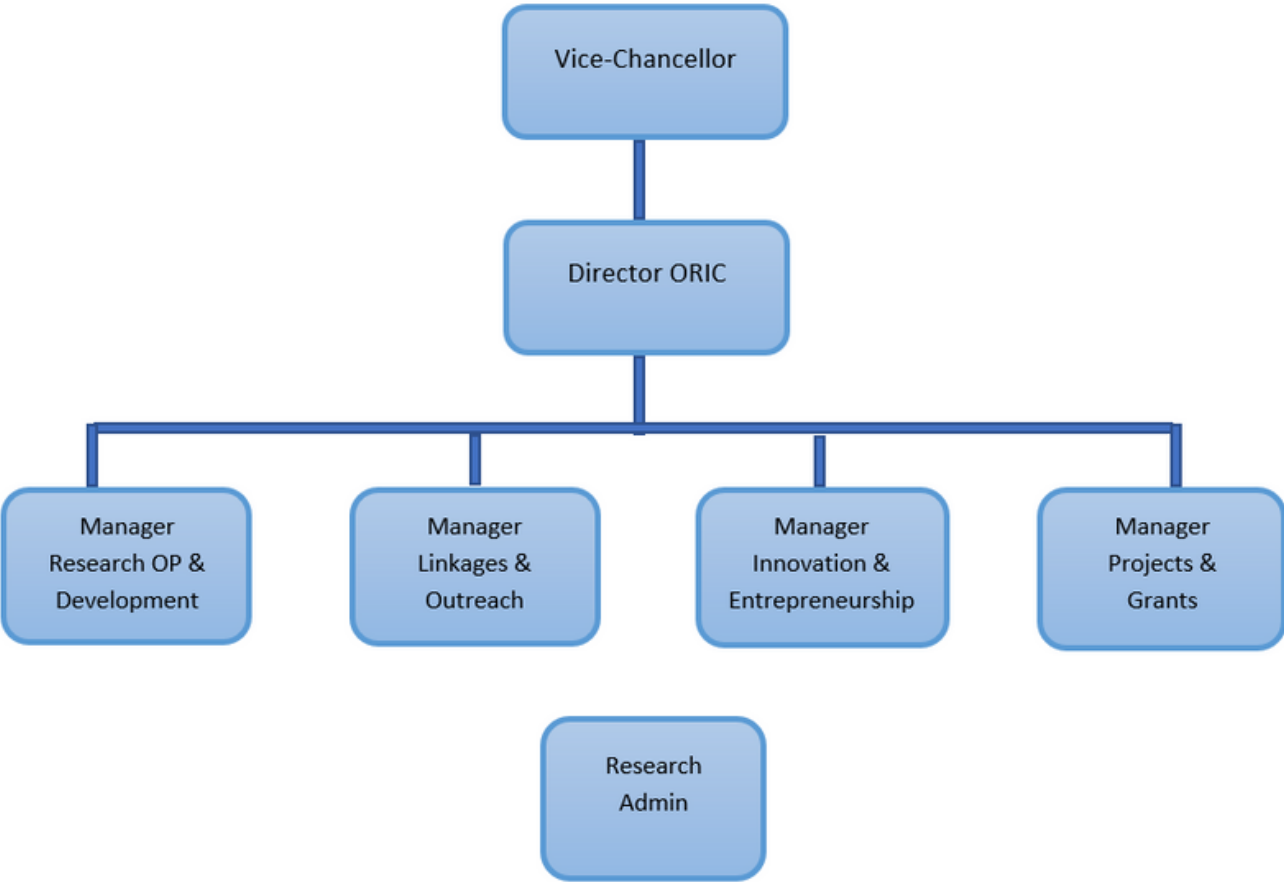
HEC aims at motivating and facilitating Higher Education Institutions (HEIs) to make research a top priority for sustainable economic growth and a future knowledge economy. For this purpose, HEC announced the establishment of a central body in universities to serve as a pivotal point, encompassing all the research activities - from the development of research proposals to the commercialization of research products - under a single umbrella. These centers were named "Offices of Research, Innovation, and Commercialization (ORICs)". HEC started working to organize the research activities of universities/HEIs ensuring the availability of well-established and fully functional ORICs. It was one of the objectives that the ORICs will provide strategic and operational support to the research activities/programs of a university and have a central role in facilitating the outcome of the university's research. These researches were intended to focus mainly on turning invention (pure knowledge) into innovation (products and production processes) that can ultimately impact the welfare of community welfare. By and large, the Office of Research, Innovation & Commercialization (ORIC) is the focal point for all research-related activities of the University.

The Office of Research, Innovation, and Commercialization (ORIC) dept at Ziauddin is subdivided into four functional groups that work both as independent and collaborative departments. These four groups are; research operations, grant and funding, linkages and outreach, innovation, and entrepreneurship. These groups are designed to facilitate the research objectives of Ziauddin University under the supervision of ORIC.

ORIC ORGANOGRAM



ORIC ORGANOGRAM





ORIC ACTIVITIES
&
SERVICES

SERVICES OFFERED BY ORIC

Training and Workshops

1. Research Ethics Course Work
2. SPSS & Endnote application and organizing research work
3. Manuscript writing skills
4. Plagiarism software hands-on workshop
5. Workshops on Clinical Trial
6. Protein, RNA, DNA isolation purification, and quantitation from tissue
7. Guidelines for preparing effective Oral/ Poster Presentations
8. Developing Research Question and Hypothesis Testing
9. Hands-on workshops for Instrumentation & Biomedical Techniques

Collaboration and Funding for Research Projects

1. Facilitate international and local collaborations
2. Facilitate and Explore Clinical Trials and Patient data research
3. Provide information to faculty about various available research grants.
4. Facilitate faculty to write grants and plan proper budgets
5. Assist with negotiating problematic sponsored research agreements.
6. Management of grants

Research Support

1. Seminars and Workshops
2. Journal Club for sharing of Research among faculty
3. Online videos for Research
4. Statistical support for research Data Analysis
5. Publication Support
6. Conference and Symposiums
7. Research Collaborations

Industrial Partnerships

1. Link faculty and students with relevant industry
2. Training for Corporate audience
3. Professional Certificate Programs
4. The interface between faculty and the commercial sector
5. External Services for Industry and NGOs
6. Promoting collaborative commercial ventures

Entrepreneur Support

1. Evaluate markets for the commercialization of inventions
2. Help students and faculty create start-ups
3. Help faculty start companies
4. Identify potential licensees
5. Negotiate terms of licenses

Legal Support and Training

1. Company Registration and Incorporation Services
2. Work with patent counsel to assess licensing
3. Legal Consulting on Copyrights and Patents

ORIC PERFORMANCE HIGHLIGHTS



ORIC PERFORMANCE HIGHLIGHTS (ACTIVITIES & THEIR IMPACT) FOR 2022-2023

ORIC ZU ranked in the “X” Category by HEC ORIC scorecard
evaluation for the year **2021- 2022**

RESEARCH EXCELLENCE

- Five NRPJ Projects won by the Faculty of Health Sciences and Faculty of Engineering, Science, Technology, and Management
- Four Projects won by the National Institute of Health by the Faculty of Health Sciences
- Ziauddin University Clinical Trial Unit (CTU) is approved and recognized by the Drug Regulatory Authority of Pakistan (DRAP).
- Joints Projects with International Universities, CROs, and other associations.
 1. University of Oxford/Wellcome Trust
 2. Monash University
 3. National University of Singapore
 4. Wellcome Trust
 5. University of Edinburgh
- 10 Projects won from IGNITE by the Faculty of Engineering, Science, Technology and Management.
- Monthly workshop on Research Methodology and Grant Writing

INNOVATION & ENTREPRENEURSHIP

1. Entrepreneurship Curriculum and Links

- Developed a strong pre-incubation program for ZU students. Endorsed by DED
- Partnered with TiE, NIC, and SMEDA

2. Patents Filled

- Dr. Saad Jawaid Khan - Smart Walker for Lower Limb Disabilities
- Dr. Shumaila Usman - Development of Human Sample-Derived Oral Submucous Fibrosis Cell Line
- Dr. Tasawer Baig- Anti-fungal creme formulation

3. Startups

- Enrolled - 20 Ideation Based Startups
- Retained and Validated – 8 Startups
- Prototype Completed - 1 startup
- 4 Qualified Regional Round
- 1 Startup Won - ElectroCon in National Innovation Award (NIA)
- Funding Secured in NIA- 5 million
- Startups Registered through ORIC - IO Solutions NCBC

4. Startup Competitions

- Rising Stars Prime Minister Youth Programme
- Regional Round Selected Startup in Rising Start: Biomic, BioBandages, ElectroCon, and Madad

5. Incubation Programme

- Applied:
 1. NIC
 2. Katalyst Labs
 3. ICCBS
- Selections: ICCBS and NIC

LINKAGES AND OUTREACH

- **2** International & **11** National Collaboration with Universities/Industries
- Preparation of MoU drafts for academia, industry, and international collaboration Faculty facilitation in linkages and outreach
- Plans for each step 5-year strategic plan for
- ORIC Steering Committee Meetings

CAPACITY BUILDING & SUSTAINABILITY

- Established Sustainability Office (SO)
- Established International Office (IO)
- Faculty research awareness workshops
- Campus drives for Research capacity building & faculty KPIs & scorecard.



PROJECTS
&
GRANTS

GRANT

Achievements	Quantity
Successfully managed and completed Externally Funded Project:	04
Projects Secured National	22
Projects Secured International	10
Funding Bodies of ongoing projects	- Oxford University
	- Welcome Trust
	- Monash University
	- McMaster University
	- National University of Singapore
	- MORU Thailand
	- Rocky Vista University
	- NRPU
	- IQVIA & Atea Pharmaceuticals
	-Inc Singapore
	-NRPU
	- NIH
	- MRINZ
Equipment & Supplies procured for research	More than 100
Developing an indigenous grant management system	Ongoing

ORIC
FACULTY RESEARCH
EXCELLENCE
APPLIED RESEARCH



HIGHLIGHTS OF RESEARCH EXCELLENCE

MAJOR ACHIEVEMENTS

National Research Program for Universities

Five NRPUs were won by the Faculty of Health Sciences and the Faculty of Engineering, Science, Technology, and Management. The University's Faculty of Health Sciences and Faculty of Engineering, Science, Technology, and Management has won five NRPUs each, demonstrating these faculties' research capability and expertise.

National Institute of Health

Four National Institute of Health Projects were won by the Faculty of Health Sciences. Moreover, the Faculty of Health Sciences has won four projects from the National Institute of Health, which is a testament to their research competence in the field of health sciences.

Ziauddin University Clinical Trial Unit (CTU)

The Ziauddin University Clinical Trial Unit (CTU) has been approved and recognized by the Drug Regulatory Authority of Pakistan (DRAP). This approval highlights the university's commitment to maintaining high standards in clinical research.

Joint Projects with International Universities, CROs, and other associations

Ziauddin University has partnered with numerous international universities, CROs, and other associations. The university has collaborated with leading institutions such as the University of Oxford/Wellcome Trust, Monash University, National University of Singapore, Wellcome Trust, and the University of Edinburgh. These collaborations have resulted in joint research projects that have contributed significantly to advancing knowledge in various fields.

ZCMT Faculty applications are accepted in the Supporting Women in Science program by AKU and Oxford.

'Supporting Women in Science' is an innovative research capacity-building program for early-career researchers/practitioners pursuing careers in reproductive, maternal, fetal, and newborn health; nutrition and development; climate change; and SDGs. This research project is jointly implemented by the Institute for Global Health and Development at Aga Khan University, the Centre for Global Child Health at the Hospital for Sick Children (SickKids), and the University of Oxford, with the funding support of the Bill and Melinda Gates Foundation. Kindly note that ZCMT Faculty applications are accepted in the Supporting Women in Science program. Names are:

- 1. Dr. Faria Fatima**
- 2. Ms. Mehwish Zeeshan**
- 3. Ms. Mahapara**
- 4. Ms. Qamarun Nisa Naz**

HIGHLIGHTS OF RESEARCH EXCELLENCE

Establishment of Public and Patient Engagement Group in Ziauddin University (Clinical Trail Unit) Won by Dr. Madiha Hashmi and Dr. Timo Tolpa (Mahidol Oxford Tropical Medicine Research Unit Network Public Engagement Bursaries)

Establishing a Public and Patient Involvement and Engagement (PPIE) group at Ziauddin University in Karachi, Pakistan is a significant achievement for the Clinical Trials Unit. By involving patients, their families, the public, and community leaders, this initiative aims to ensure that research conducted at the university takes into account the perspectives, experiences, and needs of those directly affected by healthcare decisions and interventions.

Pakistan Women Leadership in Higher Education by HEC Pakistan, U.S. Department of State, and Michigan State University.

The pro-Chancellor wins this program. Cohort 1: 25 senior women leaders will participate in Michigan- and Chicago-based professional workshops, observation, and networking in 2022;

Cohort 2: 75 aspiring women leaders will receive training through synchronous and asynchronous online programming in the spring and summer of 2023 and will end the training with an intensive three-day in-person Pakistan Higher Education Women Leaders' Summit in Islamabad in fall 2023, joined by Cohort 1. The program aims to help women leaders such as department chairs, directors and deans secure leadership positions. Participants will receive mentorship from cohort 1 senior women leaders at Pakistan universities, and network virtually with women leaders from U.S. universities.

Martha Fellowship Grant by Association of Commonwealth Universities.

Dr. Nida has been successfully awarded the Fellowship, which includes free access to the training program and follow-up online support from the Martha Farrell Foundation, in addition to a grant of GBP 1,000 in order to support the implementation of SAFE (anti-sexual Program by ZU).

S.No	Projects
1.	ISARIC University of Oxford/Wellcome Trust -Enabling ISARIC Clinical Characterization Protocol (CCP)
2.	Rollout in LMICs (ISARIC)
3.	MegaRox MRINZ The Mega Randomized Registry Trial Comparing Conservative vs. Liberal Oxygenation Targets (Mega-ROX)
4.	The Recovery University of Oxford Randomized Evaluation of COVID-19 Therapy
5.	MM Vs. N95 McMaster University- Medical Masks versus N95 respirators to prevent 2019 Novel Coronavirus Disease (COVID-19 N95 Vs MM)
6.	REMAP-CAP Monash University Randomized, Embedded, Multifactorial Adaptive Platform trial for Community-Acquired Pneumonia including COVID-19 (REMAP CAP+ Pandemic) in Pakistan.
7.	O2CoV2 WHO Oxygen requirements and approaches to respiratory support in patients with COVID-19 in low- and middle-income countries: a WHO study
8.	ACORN-HAI National University of Singapore/Wellcome Trust- Clinically-Oriented Antimicrobial Resistance Surveillance Network for Healthcare-associated
9.	ISARIC-EXT University of Oxford/Wellcome Trust-Enabling ISARIC Clinical Characterization Protocol
10.	(CCP) roll out in LMICs
11.	GenOMICC University of Edinburgh-Genetics of Mortality in Critical Care

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2. Baig, S. (2022). Biochemical Action of Anesthesia Revealed. *Pakistan Journal of Medicine and Dentistry*, 11(1), 1-3.
3. Zehra, D., Memon, Z., Usman, S., Jabeen, A., Ismail, K., & Siddiqui, R. A. (2022). Low Dose of Azithromycin Enhances the Anticancer Efficacy of Sorafenib in HepG2 Cell Line. *Pakistan Journal of Zoology*, 54(3).
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13. Abdullah, S. I., Ali, M. I., Samad, A., Rasheed, A., & Aziz, I. (2022). Recent Advances in DNA Analysis for Criminal Cases with the Applications of Forensic Sciences, A Comparative Study. *Pakistan Journal of Medical & Health Sciences*, 16(04), 861-861.
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16. Ali, S. R., Khan, S. U., & Mustafa, A. R. (2022). Assessing the behavior of Pakistani rice producers under exchange rate variability. *Sarhad Journal of Agriculture*, 38(1), 103-109.
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- 33.** Qaisra, Rani, and Syed Zubair Haider. "The Influence of In-Service Teachers Training Programs on the Professional Development of School Teachers." *Pakistan Journal of Humanities and Social Sciences* 11.1 (2023): 507-516.
- 34.** Ali, S. R., Khan, S. U., & Mustafa, A. R. (2022). Assessing the behaviour of Pakistani rice producers under exchange rate variability. *Sarhad Journal of Agriculture*, 38(1), 103-109.
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- 42.** Murtaza, Y., Shahid, N., Baqai, K., Quraishi, F., Qureshi, J. A., & Nawaz, A. The role of corticosteroids along with alpha blocker in the expulsion of distal ureteric stones as compared to the alpha blocker alone.
- 43.** Ali, A., Khatoon, A., Mirza, T., & Ahmad, F. (2022). Intensification in Genetic Information and Acquisition of Resistant Genes in Genome of *Acinetobacter baumannii*: A Pan-Genomic Analysis. *BioMed Research International*, 2022.
- 44.** Karishma, K., Muhammad, A., Ameer, S. H., & Raza, Z. S. W. (2022). Comparison Of The Efficacy Of Kinesiology Taping versus Therapeutic Ultrasound In the Management of Plantar Fasciitis: A Randomized Controlled Trial. *Balneo and PRM Research Journal*, 13(1), 481-481.
- 45.** Ali, T., Warsi, M. F., Zulfiqar, S., Sami, A., Ullah, S., Rasheed, A., ... & Baig, M. M. (2022). Green nickel/nickel oxide nanoparticles for prospective antibacterial and environmental remediation applications. *Ceramics International*, 48(6), 8331-8340.
- 46.** Shaheen, G., Ashfaq, A., Khawar, A., Jamil, Q. A., Parveen, R., Hadi, F., ... & Sajid, F. (2022). Fourier transform infrared spectrometer analysis and antimicrobial screening of ethanolic extract of *Operculina terpathum* from cholistan desert. *Pharmacy Practice*, 20(2), 1-6.

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ORIC INNOVATION,
COMMERCIALIZATION
&
ENTREPRENEURSHIP



HIGHLIGHTS OF INNOVATION AND ENTREPRENEURSHIP FOR 2022-2023

Startup Workshops and Pre-incubation:

This fiscal year, Prime Minister Youth Programme (National Innovation Award) and Rising Star was announced, and a major campus-wide awareness drive titled "Idea Baithak" was executed along with the Business/Lean model canvas and the perfect pitch training for all the students of Ziauddin. The Idea Baithak drive brought in new innovative ideas like BioBandages, Khiyal, and ElectroCon. The startups ranged from digitizing health care to innovative bandages for cuts and bruises. Some Final Year Project ideas were also converted into startups.

S.No	Start-Ups Workshops (Pre-incubation)
1.	Idea Baithak Awareness Session at North (ZCMT, ZUFESTM, Inter College ZU, Eastern Medicine and Natural Medicine)
2.	Idea Baithak Awareness Session at Clifton Campus
3.	Idea Baithak Awareness Session at Link Road Campus
4.	Prime Minister Youth Program (National Innovation Awards) campaign in North
5.	Prime Minister Youth Program (National Innovation Awards) campaign in Clifton
6.	Prime Minister Youth Program (National Innovation Awards) campaign in Link Road
7.	Business Model Canvas and Perfect Pitch at North
8.	Business Model Canvas and Perfect Pitch at Clifton
9.	Business Model Canvas and Perfect Pitch at Link Road
10.	Business Model Canvas and Perfect Pitch Online session for all
11.	Design Thinking Workshop

Ziauddin Startups in Numbers

The pre-incubation first cycle enrolled 20 startups out of which 8 startups were retained and validated. 6 notable retained startups, qualified in multiple startup competitions and incubation programmes across the city.

S.No	Ziauddin Startups	
1.	Enrolled	20 Ideation Based Startups
2.	Retained and Validated	8 Startups
3.	Prototype Completed	1 startup
4.	Qualified in Startup Competitions and Incubation Programmes	6
5.	Startup Won	ElectroCon in National Innovation Award
6.	Funding Secured	0.5 million
7.	Startups Registered through ORIC	IO Solutions

Rising Star Competition and Workshop at Katalyst Labs

The Katalyst Labs played host to the Rising Stars who are finalists at the Technology Park Startup Competition. Startups from Ziauddin pitched at the event. Ziauddin's startup Madad Ambulance made it to the final round and was appreciated by all.



Workshop at NUST and IBA

Ziauddin startups attended a workshop on Lean model canvas held at NUST and IBA. Their exposure at IBA and NUST helped them validate their ideas.



Prime Minister Youth Programme Participation

The raw ideas from the Idea Baithak Drive were refined and a selected few participated in the Prime Minister Youth Programme. The Office of Research, Innovation, and Commercialisation mentored the students in perfecting their pitch deck and developing their lean model canvas.

The startups cleared regional rounds with flying colors and went in for the final rounds. ElectroCon from Ziauddin Faculty of Engineering, Science, Technology & Management won a Runners prize of 0.5 million and an award at the Prime Minister Youth Programme held in Islamabad in June 2023.



Patents and Innovation :

Forty-Two IP disclosures were made by the faculty and a total of 25 prototype-based projects were reviewed by the Office of Research, Innovation and Commercialisation. Three faculty patents were filed with the Intellectual Property Office Pakistan.

S.No	Name of Patent Filer	Title
1.	Dr. Tasawer Baig	A Tropical Antifungal Herbal Formulation
2.	Dr. Saad Jawaid Khan	A Smart Walker for Lower Limb Disabilities
3.	Dr. Shumaila Usman	Development of Human Sample derived Oral Submucous Fibrosis Cell Line

SESSIONS & WORKSHOPS



S.No	Number of Grant Writing Workshops
1.	Research workshop in FOP
2.	Session with FLAHS
3.	Research Grant writing workshops in Clinical Psychology
4.	Research Grant writing workshops with Family Medicine
5.	Research grants workshop in ZUFVASCI
6.	Research grants workshop in Dentistry
7.	Research Workshop at ICU
8.	Research grants workshop in ZCRS, ZCMT, FOP, ZUFESTM
9.	Research Grant Training at KDLB
10.	Research grant writing Workshop (all ZU faculty)
11.	Grant Training at Speech
12.	Grant Training at Biochemistry (ZMC)
13.	Research grant workshop in ZCMT
14.	Grant Writing Workshop at North ZCRS
15.	An online session for TDF
16.	Research Grant writing workshops in LAW
17.	Online for Going Global Opportunity (British Council)
18.	Grant Writing Workshop (Every Working Saturday- December)
19.	2 day Workshop at ZUFONAM
20.	Grant Writing Session at ZCRS
21.	Grant Writing Session at College of Speech
22.	Grant Writing Session at College of Speech
23.	Grant Writing Session at North Campus (Working Saturday- January)
24.	Grant Writing Session at Clifton Campus (Working Saturday-February)
25.	Grant Writing Session at North Campus (Working Saturday-March)
26.	Grant Writing Session at North Campus (Working Saturday-April)
27.	Grant Writing Session at North Campus (Working Saturday-May)

S.No	Number of Research Trainings
1.	
2.	Research workshop in FOP
3.	Research Training in the Emergency Department
4.	Research Training in ICU
5.	Research Training Workshop (Research dept-ORIC workshop)
6.	Research and Innovation at DPM
7.	Research Training Workshop at North
8.	Research Training Workshop at North
9.	Research Training in ICU
10.	Research Training Workshop (Research dept-ORIC workshop)
11.	Research Training Workshop at North
12.	Research Training Workshop Podiatric
13.	Research Training Workshop at North
14.	Research Training in ICU
15.	Research Training Workshop at North
16.	Research Training Workshop at Clifton
17.	Research Grant writing workshops with Family Medicine
18.	Research Training Workshop at North
19.	Research Training Workshop at Clifton
20.	Research Training Workshop at North
21.	Research Grant writing workshops with Family Medicine
22.	Research Training Workshop at ZDC
23.	Research Training Workshop at Speech
24.	Research Training Workshop at Rehabilitation
25.	Research Training Workshop at North
26.	Research Training Workshop at North

S.No	Design Thinking Workshops
1	Design Thinking Workshops for Faculty at Clifton
2	Design Thinking Workshops for Faculty at North
3	Design Thinking Workshops for Faculty at Link Road

S.No	Why ZU sessions (Strategic Planning with different Colleges for enhancing research ideas and grant applications)
1	Session at College of Speech
2	Session at ZCMT

ORIC LINKAGES & OUTREACH



INTERNATIONAL COLLABORATIONS



Successfully won a project- called **GENOMICS**



Collaboration with Alfaisal University

NATIONAL COLLABORATIONS

1.	Sehat Kahani
2.	Sindh Maderssa tul Islam
3.	Muhammad Ali Jinnah University
4.	Sir Syed University of Engineering & Technology
5.	Islamia University of Bahawalpur
6.	Khawaja Fareed University of Engineering and Technology
7.	Kinnard College for Women

OUT REACH AND COLLABORATIONS

Ziauddin University (ZU) and Martha Farrell Foundation- 15th January 2023

On 15th January 2023, Ziauddin University won the Martha Farrell Fellowship. Martha Farrell and Ziauddin University are now taking strong initiatives to combat sexual harassment within institutions.

Ziauddin University (ZU) and Pakistan Institute of Living and Learning take an important step to improve parental and child well-being in Pakistan- 10th February 2023

On February 10th, 2023, the Pakistan Institute of Living and Learning (PILL) and Ziauddin University launched Pakistan's first National Centre for Research on Parental Mental Health and Child Development at Ziauddin University. Pro-Chancellor, Prof Nida Hussain, The Vice-Chancellor, Prof. Dr. Syed Irfan Hyder, CEO of PILL, Prof Nasim Chaudhry, Prof Zafar Abbas, Dean, Faculty of Health Sciences, Director ORIC Dr. Zulfiqar Umrani, Chair Department of Psychiatry, Ziauddin University Prof Imran Chaudhry, Assistant Directors PILL Mr. Ameer Bux and Sehrish Tofique were present at the occasion. The Memorandum of Understanding (MoU) was also signed to facilitate joint work in mental health research, teaching, and training.

Ziauddin University (ZU) and Crescita International Consultants- 10th March 2023

On March 10th, 2023, Crescita International Consultants and Ziauddin University signed an MoU. The purpose of this MoU was to combine the resources of both organizations so that we can collaboratively work on bringing education to the underprivileged individuals of this society who don't have free and easy access to it.

Ziauddin University's accreditation to the United Nations Environment Assembly (UNEA) of UNEP- 10th March 2023

On the 10th of March, 2023, Ziauddin University achieved a significant milestone by receiving accreditation to the United Nations Environment Assembly (UNEA) of the United Nations Environment Programme (UNEP). This accreditation marks a noteworthy recognition of the university's commitment to environmental sustainability and its dedication to addressing global environmental challenges.

Ziauddin University (ZU) signs an MoU with Hisaar Foundation - 18th May 2023

Ziauddin University is now a proud member of the Water Network which is an initiative taken by the Hisaar Foundation. In collaboration with Hisaar Foundation, Ziauddin University aims on taking strong initiatives toward water conservation and low-cost solutions for water resources development.

Ziauddin University (ZU) and TeeSquare- 9th June 2023

Ziauddin University and TeeSquare, mark the beginning of a dynamic collaboration on 9th of June 2023 by signing an MoU. Together, Ziauddin University and TeeSquare are poised to redefine the educational landscape, embracing the power of technology and collaboration to shape the future of learning. We look forward to a fruitful partnership that will create lasting impacts on education, research, and the holistic development of children.

CLINICAL TRIAL
UNIT

Clinical Trials
Patient Loc

CLINICAL TRIAL UNIT:







The Ziauddin University Clinical Trial Unit is dedicated to conducting high-quality clinical trials across various therapeutic areas, adhering to international regulatory standards and collaborating with researchers, clinicians, and industry partners. It serves as a dynamic hub where healthcare professionals, researchers, and industry experts collaborate to address crucial medical challenges and drive medical advancements. Equipped with cutting-edge infrastructure, dedicated facilities, and advanced technology, the CTU provides an optimal environment for rigorous trial execution and reliable clinical data generation. Upholding ethical guidelines, regulatory compliance, and participant safety is paramount, fostering trust among participants, sponsors, and the wider medical community. Through this prospectus, the CTU invites researchers, sponsors, and industry partners to collaborate and leverage its resources, offering comprehensive services throughout the clinical trial lifecycle. With a vision to contribute to scientific discoveries, enhance patient care, and shape the future of medical research and innovation, the Ziauddin University Clinical Trial Unit aims to be at the forefront of clinical research.







The Clinical Trial Unit at Ziauddin University was established in 2022 and holds recognition from the Drug Regulatory Authority of Pakistan (DRAP). This recognition by DRAP highlights the unit's compliance with regulatory standards and its commitment to conducting clinical trials in accordance with national guidelines. As an officially recognized clinical trial unit, Ziauddin University is well-positioned to contribute to the advancement of medical research and innovation in Pakistan. By adhering to DRAP regulations, the unit ensures that all trials conducted within its facilities follow the necessary ethical and safety guidelines, thereby maintaining the integrity of the research process and protecting the well-being of trial participants.

The Clinical Trial Unit at Ziauddin University aims to conduct high-quality clinical trials, develop innovative therapies, contribute to evidence-based medicine, enhance patient care, and foster a culture of research and innovation among healthcare professionals.

MILESTONES ACHIEVED BY THE CLINICAL TRIAL UNIT FOR 2021-2022

Achievements	Quantity
Number of CROs, Pharmaceuticals and Clinical Trial Sponsors approached	55
Development of CTU Standard Operation Procedures	✓
Development of Clinical Trial Unit Website	✓
Potential Clinical Trials Feasibility Submitted	30
Clinical Trials Secured by CTU	9

Secured Clinical Trials	Secured Amount	Sponsor
A Phase 3 Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy and Safety of Bemnifosbuvir in High-Risk Outpatients with COVID-19	\$110,000	 
A Double-Blind, Randomized Clinical Study of the Efficacy and Safety of BCD-178 and Perjeta® as Neoadjuvant Therapy of HER2-Positive Breast Cancer	\$330,000	 
A Phase III, Randomized, Comparator-Controlled, Double-Blind, Multicenter Study to Evaluate the Immunogenicity, Safety and Lot to Lot Consistency of Three Lots of a PIKA Rabies Vaccine (Vero cell) for human use, freeze-dried in Healthy Adults using a Post Exposure Prophylaxis Schedule	\$375,000	 

<p>A Phase 2 Open-Label Study to Assess the Safety and Efficacy of Bemnifosbuvir (BEM) and Ruzasvir (RZR) in Subjects with Chronic Hepatitis C Virus (HCV) Infection</p>	<p>\$100,000</p>	
<p>A multicenter, open-label, randomized, phase III clinical trial to evaluate efficacy and safety of PF-144 versus imatinib at 600 or 800 mg daily in adult patients with Philadelphia chromosome positive (Ph+) chronic myeloid leukemia (CML) in the chronic phase (CP) resistant to imatinib at daily doses of 400 or 600 mg</p>	<p>\$90,000</p>	
<p>A randomized, double-blind, placebo-controlled, multicenter phase III study to evaluate the efficacy and safety of ABX464 once daily for induction treatment in subject with moderately to severely active ulcerative colitis</p>	<p>TBD</p>	
<p>A Double-Blind, Randomized Clinical Study of the Efficacy and Safety of Monotherapy with BCD-264 and Darzalex® in Subjects with Relapsed and Refractory Multiple Myeloma</p>	<p>\$252,900</p>	
<p>A Phase 3 study, Randomized, Observer-blind, Multicenter Clinical Study to Evaluate the Efficacy, Safety and Immunogenicity of investigational Influenza Vaccine Compared to a High-Dose Quadrivalent Influenza Vaccine (Fluzone HD) in adults ≥65 Years of Age</p>	<p>TBD</p>	
<p>Multicenter, randomized, controlled, open-label, phase IIb study to assess efficacy and safety of HH-003 injection in subjects with chronic hepatitis delta virus infection</p>	<p>TBD</p>	
<p>Evaluating the use of an FDA cleared, novel vaginal speculum for gynecologic procedures</p>	<p>\$1,500</p>	