



**ZIAUDDIN
UNIVERSITY**

ORIC Annual Report



**Office of Research, Innovation & Commercialization
Ziauddin University
2020-2021**

PREFACE

ORIC presents this document covering summarized view of our faculties, along with their facilities and opportunities for industry collaboration and external services. This is created with support of materials provided by the marketing department and all faculties. We are thankful for the support of all faculties and researchers for their support in compilation of this document.

TABLE OF CONTENTS

About Ziauddin University	4
Messages	5
Office of Research, Innovation & Commercialization (ORIC)	7
Statement of Purpose	7
ORIC Organogram	8
Vision	9
Mission	9
Strategic Goals	9
ORIC Activities & Services	10
Entrepreneurial Support Services	12
Business Incubation Centre (BIC)	12
International Office	14
Recent ORIC Initiatives	16
National Research Programs	18
Grants Awarded	20
Patents	22
Publications	23
Workshops & seminars	57
Conferences & Symposiums	70
Presented Papers	73
Project Summary	79

About Ziauddin University

Ziauddin University is a leading HEC recognized institution founded in the memory of Sir Dr. Ziauddin Ahmad, a renowned academician, philosopher, mathematician and a political figure. His vision was to spread quality education amongst the Muslims of the subcontinent. The Ziauddin Group started with a small maternity home in Nazimabad by Sir Dr. Ziauddin's daughter, Dr. Ajaz Fatima and son-in-law Dr. Tajammul Hussain. Over the years, the maternity home expanded to the Ziauddin Group of Companies which include three tertiary care hospitals, several communities based projects, a health focused television channel, a live radio channel and a University.

The first step towards the development of an academic arm of the Ziauddin Group was taken in 1986 when the School of Nursing was established and recognized by Pakistan Nursing Council. The school was transformed into the College of Nursing in 2009 and has offered various programs for graduate and undergraduate students since then. In August 1994, the Government of Sindh granted permission for the establishment of the Dr. Ziauddin Post Graduate Institute of Medical Sciences. By the virtue of this ordinance the institute could grant its own postgraduate degrees and diplomas. A year later in October 1995, the Sindh Assembly went on to pass an Act (VI of 1995) for the establishment of Ziauddin Medical University. At that time, the University also established an association with the neighboring community to set up a health center. The initiative resulted in a mutual partnership with the Karachi Municipal catchments population, where the University provided services, health education and support.

Ziauddin Medical University was given the Charter as Ziauddin University vide 'The Ziauddin University' (Amendment ACT 2003) on December 13th, 2005. It initially started growing in the field of medical sciences but as time went by the university proved itself to be one of the most diverse institutions. ZU is currently offering degrees in Medicine, Pharmacy, Engineering, Technology, Media and Communications, Physical Therapy, Nursing, Dentistry and Speech, Language & Hearing Sciences, Law, Business Administration and Liberal Arts & Human Sciences, Eastern Medicine and Natural Sciences.

Professional Accreditations

1. Ziauddin University is accredited from the following bodies:
2. Pakistan Medical and Dental Council (PMDC)
3. Pakistan Council of Pharmacy (PCP)
4. Pakistan Nursing Council (PNC)
5. Pakistan Engineering Council (PEC)
6. Pakistan Bar Council (PBC)

Campuses

1. Clifton Campus
2. North Nazimabad Campus
3. Keamari Campus
4. Link Road Campus
5. Sukkur Campus

Messages

About The Chancellor

Dr. Asim Hussain got his education from Karachi Grammar School, Cadet College Petaro, and Dow Medical College Karachi and in Europe. He is the grandson of Dr. Sir Ziauddin Ahmad. Hussain has served as Advisor to the Prime Minister on Petroleum & Natural Resources and Chairman of the National Reconstruction Bureau (NRB) with the status of a Federal Minister. In recognition of his invaluable contribution to the country, Hussain was conferred Sitara-e-Imtiaz on March 23, 2005.

Message of Chancellor

Since its inception, Ziauddin University has been a dynamic and ever-growing institution. The University provides an enabling environment for quality teaching, learning and research through its state-of-the-art facilities and renowned competent faculty members. It offers a wealth of study opportunities across a wide range of professional disciplines. We hope Ziauddin University ORIC will help to make contributions to a better future for us and the generations that will follow.

Dr. Asim Hussain (Sitara-e-Imtiaz, Nishan-e-Imtiaz)

Chancellor,

Ziauddin University

About Director ORIC

To strengthen the ORIC at Ziauddin University, Dr Zulfiqar Ali Umrani has joined as Director ORIC from September 2020. He has more than 12 years experience in Industry, Academia, Public & Development Sectors. Before joining as Director ORIC at Ziauddin University, he was heading an award-winning business incubation centre (International ‘Best Young Incubator Award’ by UBI-Global 2019-20). he helped to establish this centre in less than 3 years and make it reach global recognition by graduating +30 startups and +50 commercial projects. He is a founding member of the IdeaGIST Emerging Technologies Accelerator and has run dedicated programs on women entrepreneurs and social entrepreneurship. He has Masters and PhD from France in Nanotechnology and Renewable Energy. Among his diverse range of interests are Business Incubation, Climate Change and Sustainable Development.

Message from The Director ORIC

To accept the responsibility as the Director ORIC at Ziauddin University that holds a solid accreditation for Medical, Technical, and Management education in Pakistan is a big task. Since its inception in 2015 as a mandatory requirement of the Higher Education Commission of Pakistan (HEC) to establish Office of Research, Innovation & Commercialization (ORIC), ZU has been making efforts to optimize the functions of ORIC at maximum. There are an increasing number of high Impact Factor publications and our researchers are breaking new grounds. Ziauddin University is in expansion with an international outlook. It is great to see our researchers applying for national and international grants and building new collaborations. The academic environment at Ziauddin University enables students to support academic excellence and present opportunities to faculty, Researchers to excel in their intellectual pursuits and build upon an environment which is highly competitive and academic. It also fosters entrepreneurial skills and academic excellence and motivates individuals to involve themselves in academic quest of the highest standards. We look forward to building upon our strengths and increasing our impact.

We foresee a great future for Ziauddin University!

Dr Zulfiqar Ali Umrani

Director

Research, Innovation & Commercialization (ORIC)

Ziauddin University

Office of Research, Innovation & Commercialization (ORIC)

The Office of Research, Innovation & commercialization was established at the Ziauddin University in the year 2015 and It became operational on 28th October 2020, with the aim of operating under the vision of Ziauddin University and the guidelines of HEC. ORIC-ZU is now eligible for enhanced facilities for all HEC sponsored research projects and grants. Dr Zulfiqar Ali Umrani, an award- winning innovation and entrepreneurship professional, is currently serving as the Director ORIC.

HEC aims at motivating and facilitating the Higher Education Institutions (HEIs) to make research a top priority for a sustainable economic growth and 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 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 availability of well-established and fully functional ORICs.

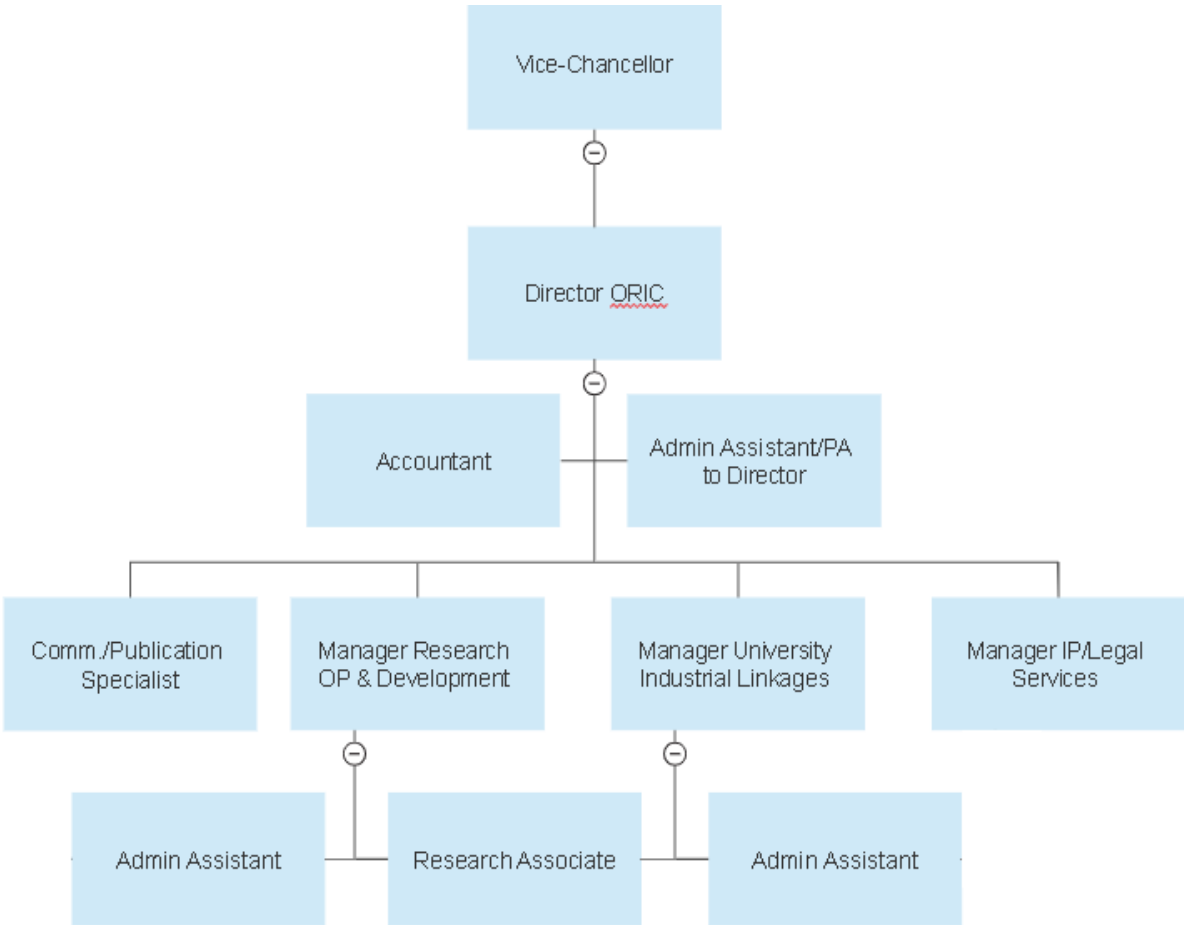
It was one of the objectives that the ORICs will provide strategic and operational support to the research activities/programs of a university and have a central role in facilitating the outcome of the university's researches. These researches were intended to focus mainly on turning invention (pure 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.

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. The 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 of the country.

The 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.

ORIC ORGANOGRAM



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 stake-holders to provide comprehensive support for research, enterprise, impact and knowledge exchange activity.

Strategic Goals

The Office of Research, Innovation & Commercialization (ORIC) aims to:

- Promote a vibrant, innovative, and entrepreneurial environment for conducting quality research with an aim to grow the knowledge economy.
- Strengthen Triple-Helix+ linkages to build collaborative ventures which benefit our society.
- Develop strong and long-term bonds with policy making and research funding agencies to support research, development, innovation and commercialization incentives.
- Through business incubation and research/innovation park, promote entrepreneurship amongst faculty, staff and students.

The Office of Research, Innovation & Commercialization (ORIC) seeks to enhance the research culture at Ziauddin University and realize above-mentioned objectives by:

- Developing strategic research directions and policies
- Increasing and diversifying research funding
- Strengthening university-industry relationships
- Promoting entrepreneurship and innovation
- Technology Transfer and commercialization
- Protecting University’s intellectual property
- Supporting progress on the SDGs

ORIC is in continued pursuit of ever greater accomplishments in research & innovation through our commitment to curiosity, excellence and quality. Ziauddin University’s research status is on the rise. There are an increasing number of high Impact Factor publications and our researchers are breaking new grounds. It is great to see our researchers applying for national and international grants and building new collaborations. ZU is uniquely positioned with active faculties in Health Sciences, Pharmacy, Nursing, Engineering & Technology, Social Sciences

and Liberal Arts with a growing presence across Sindh. ZU is in expansion with an international outlook. We look forward to building upon our strengths and increasing our impact.

ORIC Activities & Services

Activities:

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

Services:

Research collaborations and Funding:

- Facilitate international and local collaborations
- Facilitate and Explore Clinical Trials and Patient data research
- Provide information to faculty about various available research grants.
- Facilitate faculty to write grants and plan proper budgets.
- Assist with negotiating problematic sponsored research agreements.

Research Support Service:

- Seminars and Workshops
- Journal Club for sharing of Research among faculty
- Online videos for Research
- Statistical support for research Data Analysis
- Publication Support
- Conference and Symposiums
- Research Collaborations

Industry Liaison:

- Link faculty and students with relevant industry
- Training for Corporate audience
- Professional Certificate Programs
- Interface between faculty and the commercial sector
- External Services for Industry and NGOs
- Promoting collaborative commercial ventures

Commercialization and Startups:

- Evaluate markets for commercialization of inventions
- Help students and faculty create start ups
- Help faculty start companies
- Identify potential licensees
- Negotiate terms of licenses

Legal Support and Training:

- Company Registration and Incorporation Services
- Work with patent counsel to assess licensing
- Legal Consulting on Copyrights and Patents

Entrepreneurial support Services:

Commercialization of applied academic research along with technology transfer and industry collaborations would bring the required outcomes for economic and scientific achievement of the country. ORIC has developed mechanisms for research commercialization and is setting up a Business Incubator and IPO office to support both researchers and budding startups.

Ziauddin Entrepreneurship Society operates under the umbrella of ORIC as a student wing that is dedicated to discover, engage and foster creativity and to bring up true entrepreneurial leaders from the university. Startup competitions for students across Sindh and beyond.

ORIC also conducted a number of seminars and training sessions on skill building for young innovators and entrepreneurs in the same field for entrepreneurship growth. The outcomes of these seminars have resulted in increased recognition and participation in entrepreneurship at all levels of the student body. ORIC also encourages faculty and researchers to step forward and engage with emerging start-ups or introduce new start-ups based on innovation and new product ideas.

Industry Linkages

Develops and maintains industry linkages to make ZU graduates their premium choice and identifies specific industry partners for the on-going research at ZU. It gauges industry needs and processes match making with ZU Institutions to solve industrial problems. Ziauddin University forges links with top research institutes across Pakistan, including Panjwani Center for Molecular Medicine and Drug Research (ICCBS) HEJ Research Institute of Chemistry (ICCBS), Center for Bioequivalence Studies and Clinical Research (ICCBS), National Center for Proteomics, Jamil-ur-Rehman Center for Genome Research (ICCBS), Dow University of Health Sciences (DUHS) and Agha Khan University

Business Incubation Centre (BIC)

The objectives of BIC include fostering an entrepreneurial culture, by providing the students and faculty of ZU, an opportunity to transform their technology-based business ideas to reality. Designing & managing Incubation and Acceleration programs and providing high-quality coaching and advisory support to entrepreneurs. Providing support to entrepreneurs across ideation, acceleration, investment and scale-up stages. Forge partnerships with other organizations for providing services to incubate or the incubator; liaison with the government and industries. Marketing the incubator and business development and actively promoting it through various channels etc. Funding for Incubatee Projects and coordination with senior management for sourcing seed and venture funds for start-ups. Overall planning the activities, resources, budgets and operations of the Incubator. It further aims to facilitate the availability of ZU resources to the incubatees in a mutually beneficial way by liaising with private/public sector funding sources, government agencies, industrial associations, chambers of commerce and industries to provide facilitation and networking for Incubatee companies.

Intellectual Property Office (IPO)

The Intellectual Property Management Office determines the patentability of a technology and provides assistance with protection of intellectual property. The Intellectual Property system contributes to a strong University economy, encourages investment in innovation, and fosters entrepreneurial spirit leading to new products and services for the competitive global market.

International Office

Ziauddin University forges partnerships with outstanding academic and other institutions across the globe to expand the student experience, faculty growth and contributions, and the impact of our research. Collaborations with our foreign colleagues are essential to the success of our global activities. Ziauddin University has also established the International Office for propagating the Global presence of the ZU brand. Some of the collaborating university includes monash university and stem cell from australia, university of bedfordshire, valparaiso university, European Society for Translational Medicine and Our most recent partners and collaborations are:

Ziauddin University and Talloires Network of Engaged University made a collaboration between them.



Ziauddin University and Association of Commonwealth Universities made a collaboration between them.

**The Association
of Commonwealth
Universities**

Ziauddin University and the International Association of Universities made a collaboration between them.



Ziauddin University and Asia Pacific Quality Network made a collaboration between them.



Ziauddin University and ULSF Talloires Declaration made a collaboration between them.



Ziauddin University becoming the UN's SDG Academy member institute.



Ziauddin University and OXFAM made a collaboration between them.



Sustainability Office

As sustainability is one of the major issues facing the global community, ORIC has established the Sustainability Office to work towards the achievement of United Nations Sustainable Development Goals. In this regard, it promotes research and activities for all the 17 SDGs.

ORIC has developed a dedicated office to manage all activities which are in line with meeting sustainability priorities of the United Nations. The Sustainability Office oversees the university's progress towards sustainable development, including Green Initiatives. The office also ensures that the university is meeting all SDGs compliance requirements as part of its Social responsibility. The office holds awareness sessions regarding UN SDGs both to internal and external audiences. The office, alongside other divisions, manages and promotes the research leading to innovations that will help to advance the SDGs.

Recent Initiatives

1. University Leaders for a Sustainable Future (ULSF) recognizes Ziauddin University as an Official Member.

Ziauddin University is now part of a geographically and culturally diverse network of over 500 colleges and universities in 60 countries that have committed to practicing and teaching sustainability and environmental responsibility. As the secretariat for signatories of the Talloires Declaration, ULSF supports institutions that want to contribute to a future of environmental health, social well-being, and economic viability. Ziauddin University, is the third signatory from Pakistan after NED (2018) and Mehran UET (2019), to the network of ULSF.

2. Ziauddin University becomes member of the UN's SDG Academy.

Ziauddin University has become a Member in the SDG Academy Community of Practice. The SDG Academy, the flagship education initiative of the UN Sustainable Development Solutions Network (SDSN), is a diverse network of educators dedicated to advancing education for sustainable development through peer learning and the sharing of best practices, customized resource development, and opportunities for research and thought leadership. ZU has established the Sustainability Office to advance progress on the SDGs.

3. ZU signs MoU with IdeaGIST Global - Bir Ventures USA Ltd. Karachi – October 27, 2020

Ziauddin University has signed a Memorandum of Understanding with Bir Ventures USA Ltd. The Goal & objectives is to provide entrepreneurship training to the students, support business incubation center workshops, one-on-one mentoring, process guidelines and by connecting the incubators to a global pool of investors, develop an online community of students, alumni, researchers and industry to encourage collaboration in developing innovation driven enterprises. ZU students are participating in the PM's Startup Pakistan program through this initiative.

4. Ziauddin University (ZU) has joined United Nations' Principles for Responsible Management Education (PRME)

Ziauddin University join over 800 leading Institutes from around the world who are committed to building a more sustainable future by implementing the Six Principles and striving to achieve the SDGs. PRME deepens collaboration in and across institutions on specific issues relevant to corporate sustainability and responsibility and related to the United Nations Sustainable Development Goals.

5. Ziauddin University (ZU) signs MoU with Oxfam Pakistan on Gender Edutainment Karachi – November 26, 2020:

Ziauddin University has signed a Memorandum of Understanding with the Oxfam Pakistan - non-Profit Organization - on Gender Edutainment. The purpose of this MoU is to set forth the framework for collaboration between Ziauddin University, HEC and OXFAM Pakistan in the areas of gender-based violence through edutainment approach in the university setting.

On the occasion of the signing ceremony of MoU, Prof. Pirzada Qasim Raza Siddiqui, Vice Chancellor, Ziauddin University said “we really appreciate the objective of this MoU. It is very important for the university students to be aware of their rights and to know more about harassment policies to control it in universities and workplaces”. The project, funded by the Australian Government, has already commenced at ZU.



Sartaj Abbasi, Gender Specialist, Oxfam Pakistan and Capt (R) S. Waqar Hussain Registrar, Ziauddin University signed the MoU on behalf of both organizations.

6. ACU Ambassador for Ziauddin University

Dr Zulfiqar Ali Umrani has been assigned the role of Association of Commonwealth Universities - UK Ambassador from Ziauddin University. The ACU has established this role to improve communication with our members and to strengthen coordination with the UK and member institutions. ZU has established the International Office to support this initiative.

7. Monash University, Australia and ZU Research Collaboration Agreement

Ziauddin University (ZU) signed an agreement with Monash University (ANZIC-RC) for an international research project. Dr Madiha Hashmi is the PI from Pakistan and is responsible for developing this cooperation. ZU will be responsible for overall coordination of the Study in Pakistan. The project is funded by ANZIC-RC which will also provide overall global project coordination for the REMAP-CAP multi- national collaboration.

8. ZU Startup selected for Pakistan 100 Boot Camp 2021

Dr. Kiran Hashmi has been selected among top 13 startups in Pakistan 100 Boot Camp 2021 organized by IdeaGIST Global. Dr. Kiran Hashmi's idea has received good scores from the panel of judges in pre-selection interview sessions. A total of only 13 teams have been successfully selected from Pakistan for the final stage.

NATIONAL RESEARCH PROGRAM FOR UNIVERSITIES (NRPU)

List of Project Applications

2019-2020

1. Dr.Shumaila Usman” Hepatic Differentiation of Human Amniotic Epithelial Cells on Decellularized Extracellular Matrix based 3D Hydrogel for Liver Tissue Engineering”.
2. Dr.Ambreena Khatoon “ Genome Wide subtractive approach to prioritize a hypothetical protein of XDR salmonella typhias potential drug target”.
3. Dr.Rehan Imad “Molecular Characterization of Invasive Breast Cancers in Pakistani Population”.
4. Dr. Fauzia Shamim “Linguistic Profile of Pakistan: Use and Users of Urdu, Sindhi, Punjabi, and Seraiki in Sindh and Punjab”.
5. Dr.Faraz Baig “Tumor Cell Intrinsic mTOR Signaling and PTEN Deletion Regulating PD-L1 Expression in Prostate Adenocarcinoma”.
6. Dr.Najia Tabassum “Plasma Peptidome profile of Childhood Acute lymphoblastic Leukemia with its association to prognostic factors”.
7. Dr.Shamim Mushtaq "Candidate predictive biomarkers for target therapy among metastatic triple negative breast cancer (TNBC) naïve and treated premenopausal women”.
8. Mr. Moazzam Ali Shahid “Polymorphism and expression of genes related to lumber intervertebral disc degeneration”.
9. Dr Tasawwar Mirza Baig "The effect of PEG-liposomes / PEGylation on stability of insulin"

2017-2018

1. Dr.Shamim Mushtaq “Emerging Secretomes as Protein Biomarkers of Breast Cancer Metastatic Cells (bone, liver & lung) among Pre-and Postmenopausal Women in Pakistan.
2. Dr.Saeeda Baig “The Sporadic deficiency of Vitamin D in Pakistan to find out the polymorphic link by evaluating the four genetic sites of synthesis in the body”
3. Dr.Omer Mustapha “Optimization and development of novel luteolin-loaded solid dispersions employing diverse solubility augmenting techniques”.

4. Dr.Amna Aamir Khan “Effects of osteoanabolic exercises on gait, balance and fear of fall among osteoporotic females”.
5. Dr.Sumaira Farooqui “Effects of thoracic spine mobilization in adolescent idiopathic scoliosis patients”.
6. Dr.Bushra Wasim “Altered vitamin D signaling Pathways in Breast Molecular Oncogenetic Mechanisms related to the Protein expression profile of CYP27B1 and CYP24A1 in normal, benign and Malignant tissues”.
7. Dr.Sofia Amjad “Expression of Genetic Markers of post -meiotic arrest in Non-Obstructive Azoospermia”.
8. Dr.Bilal Aheed “Association of ALOX-5 gene polymorphisms with Alzheimer disease in comparison of other dementias according to the Diagnostic and Statistical Manual of Mental Disorders (DSM–5).”
9. Eng. Muhammad Asif “Multi -Robot Formation Control of nonholonomic mobile Robots”.

2015-2016

1. Dr.Salman Baig “Gene Polymorphism of Vitamin C,D and E Receptors and its association with Allergic Rhinitis in Pakistani Population”
2. Ms.Amina Asif Siddiqui “Identifying Children with Speech Language Disorders from Bilingual Backgrounds in Pakistani Society”
3. Dr.Shamim Mushtaq “ Proteomic assessment of Redox imbalance in schizophrenia”
4. Dr.Nikhath Siddiqui “ Molecular Characterization Of Breast Cancer Metastatic Cell Secretomes As Biomarker Among Pre And Post Menopausal Women In Pakistan”
5. Hira Zahid “ Smart Infants Monitor to Prevent Sudden Infant Death Syndrome(SIDS)

GRANTS AWARDED

AWARDED NRPU DURING 2019-2020

Dr Shamim Mushtaq (Biochemistry - FHS) has won the Grant of **Rs 3,590,000/-** of National Research Program for Universities – NRPU for the project entitled “Candidate Predictive Biomarkers for Target Therapy among Metastatic Triple-Negative Breast Cancer (TNBC) naïve and treated Young Premenopausal Women”.

AWARDED NRPU DURING 2015-2018

2016

Ms. Amina Siddiqui, Assistant Professor, College of Speech Language & Hearing Sciences was awarded a NRPU Research Grant of **Rs. 1364186/-** (one million three hundred sixty-four thousand one hundred eighty-six only) in April, 2018 for the research titled “Identifying Children with Speech Language Disorders from Bilingual Backgrounds in Pakistani Society”.

2014-2015

Dr. Rizma Khan, Assistant Professor of Biochemistry, ZU was awarded a NRPU Research Grant of **Rs. 3862365/-** (three million eight hundred sixty-four thousand three hundred sixty-five only) in April, 2018 for research titled “Interleukin Genetics of HCV Clades: Global Distribution and Clinical Implications”.

AWARDED SRGP 2018

2018

Dr. Rehan Ahmed Siddiqui, Assistant Professor of Research Department was awarded a SRGP Grant of **Rs. 423700/-** (point four million twenty three thousand seven hundred only) in June, 2018 for the research of “Exploring Novel Natural Compounds for the Prevention of CCl₄ – Induced Hepatic Damage in VIVO”.

Dr Shumaila Usman, Assistant Professor of Research Department was awarded a Research Grant of **PKR 492740/-** by HEC against Project entitled “Cost Effective Hepatic Differentiation of Human Amniotic Epithelial Cells (HAECs) with Small Molecules”.

SPECIAL GRANT

Establishment of

NATIONAL CENTRE IN BIG DATA & CLOUD COMPUTING (NCBC)

Grant Amount: 58.675 million

Project funded by Higher Education Commission Pakistan, in line with long term Vision 2025 of the Government of Pakistan.

The National Center in Big Data and Cloud Computing (NCBC) focuses on R&D and human resource development in the specialized field of Big Data and Cloud Computing and its practical applications, which are important components of Vision 2025.

The role of Big Data Analytics and Cloud Computing is growing in many businesses and applications domains and has become extremely critical to economic growth and national competitiveness. NCBC aims at becoming the leading hub of innovation, scientific research, knowledge transfer to the local economy, and training in the area of data analytics, cloud computing, and data science.

International Research Initiatives

Dr Muhammad Asif, with Medical Device and Technology Research Group, Coventry University, PAK-UK Education gateway, funded by British Council in Pakistan and Higher Education Commission (HEC) Pakistan 2019.

National Grassroots ICT Research Initiative 2020

Awarded IGNITE 2020

ZUFESTM on winning the 4 for total sum of **Rs 303,928**

1. Dr.Muhammad Usman, Biomedical Engineering-ZUFESTM has won the grant of **Rs.80,000/-** of ignite-National Technology Fund for the project entitled "Identification and Functionality of Corona Virus using Genome Sequencing Analysis".
2. Dr.Saad Jawaid Khan, Biomedical Engineering-ZUFESTM has won the grant of **Rs.79,700/-** of ignite-National Technology Fund for the project entitled "Navigation Stick for Blind"
3. Hira Jawaid & Nadeem Shah, Biomedical Engineering-ZUFESTM has won the grant of **Rs.73,250/-** of ignite-National Technology Fund for the project entitled "Design and Development of Human Knee Joint Muscle(S) Classification System Using Artificial Intelligence Technique"
4. Engr.Ali Asghar & Seerat Nisar, Biomedical Engineering-ZUFESTM has won the grant of **Rs.70,978/-** of ignite-National Technology Fund for the project entitled "Movement of Prosthetic Arm Using Machine Learning Technology.

PATENTS GRANTED

Ziauddin University: College of Physical Therapy

Patent Granted:

Asim Hussain, Neuroplasticity Box: 20th Feb 2018. Patent # 61/2018.

Patent Granted:

Syed Abid Mehdi Kazmi, MyoFascial Release, SAM series: Oct 2016. Patent # 341/2016.

PATENTS APPLIED/FILED

Ziauddin University: Faculty of Engineering, Science and Technology

Sarwar Wasi, Arham Shafique Hasan, Uzair Mansoob, Engr. Munaf Rashid, Ziauddin University – “Microcontroller based Acetic Acid Dilution Management”.

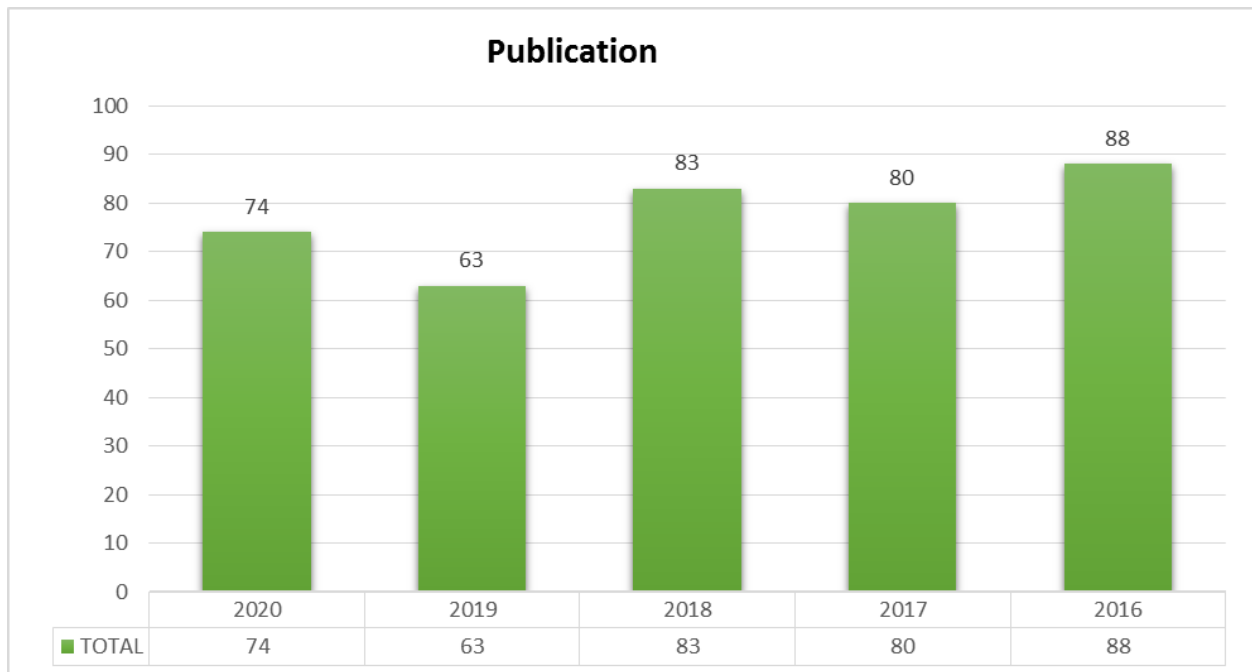
Filing date 11/04/2019

Umair Jillani, Muhammad Safwan, Qazi Nasar Abbas, Jawad Ai Bhati, Engr. Dr. Munaf Rashid, Ziauddin University – Patent relating to "Rehabilitation Robot".

Receipt	No.	1385715	AP11/04/2019
Filing		date	11/04/2019

PUBLICATION

Year	Publication
2020	74
2019	63
2018	83
2017	80
2016	88
Total 5Years	388



2020

1. Abbas Z, Abbas M. The cost of eliminating hepatitis C in Pakistan. *The Lancet Global Health*, 2020;VOL 8(3),PE323-E324,- Impact Factor 15.87
2. Tabinda Urooj Bushra Wasim, Shamim Mushtaq " Increased NID1 Expression among Breast Cancer Lung Metastatic Women; A Comparative Analysis between Naive and Treated Cases, Recent Patents on Anti-Cancer Drug Discovery Vol. 15 - Impact Factor 4.295
3. Sultan Zeb Khan, Samina Karim, Sana Mirza"Effect of photodynamic therapy on the morphological changes of periapical inflammation: An experimental study in rats"Photodiagnosis and Photodynamic Therapy,Volume 31, September 2020, 101839 - Impact Factor 2.89
4. Zeb Khan S, Mirza S, Karim S, Inoue T, Bin-Shuwaish MS, Al Deeb L, Al Ahdal K, Al-Hamdan RS, Maawadh AM4, Vohra F, Abduljabbar T"Immunohistochemical study of dental pulp cells with 3D collagen type I gel in demineralized dentin tubules in vivo." *Bosnian Journal of Basic Medical Sciences*,2020 Mar 27- Impact Factor 1.45
5. Rabbiah Sohail, Sabeen Rajput, Fatima Yousuf, Sonia Shah`Effectiveness Of NeuroMuscular Electrical Stimulation In Dealing With Oral Phase Of Dysphagia". *American Journal of Speech Language Pathology*- Impact Factor 1.32
6. Abbas Z, Saad M, Asim M, Abbas M, Samejo SA. The effect of twelve weeks of treatment with ezetimibe on HDV RNA level in patients with chronic hepatitis D. *Turk J Gastroenterol* 2020;31:136-41. PMID: 32141822- Impact Factor 1.107
7. Qurat Ul Ain Adnan,Usman Khan " Effects of Mode and Duration and Exercise in fat massof obese population .*JCPSP'2020*- Impact Factor 0.439
8. Shumaila Usman,Association of high risk HPV in Oral Squamous Cell Carcinoma; A Meta Analysis. *Pakistan Journal of Medicine & Dentistry* 9(1) 71-82. Jan 2020
9. Fatima Khan "Efficacy of Low Energy NeuroFeedback System In Rehabilitation Of Mental Health Disorders (In process) *Pakistan Journal of Rehabilitation* 2019 volume 8 (Issue 1) 2020
10. Afreen Bhatti, Saeeda Baig, Asher Fawwad, Zil E. Rubab, Moazzam A. Shahid, Nazish Waris (March 13, 2020) Association of Zinc Transporter-8 Autoantibody (ZnT8A) with Type 1 Diabetes Mellitus. *Cureus* 12(3): e7263. doi:10.7759/cureus.7263
11. Ahuja G, Kumar A, Ghori U"• Effectiveness of Nebulized Magnesium Sulphate as an Adjuvant Therapy (With Salbutamol) in the Management of Acute Asthma"*PJMD*,2020;9 (02):39-44
12. Ali Samjo S, Abbas Z, Asim M, Tahir K. The pattern of alcohol consumption and the severity of alcohol-related liver disease in patients visiting the liver clinic. *Cureus* 2020; 12(3): e7251

13. Fatima Jhangir "Impact of Liraglutide On glycemic control and Body weight in Asian Population PJMD
14. Fatima Yousuf "Association of iron deficiency with dysphagia - review article" American Journal of Sciences and Engineering Research Vol 3 + Issue 2.
15. Hira Attique, Syed Tousif Ahmed, Rehana Rehman, Shahina Ishtiaque, Saeeda Baig "Insulin Resistance Estimated by HOMA IR for Diagnosis of Gestational Diabetes in Squatter Settlement of Karachi" PJMD, 2020, VOL. 9 (01); p11-15
16. Hira Masood "Mental Health Issue of children in Pakistan (In process) Pakistan Journal of Rehabilitation. In process. 2020
17. Huma Asif "Evaluation and Comparison of lipid profile in pregnancy and pre-eclampsia" Annals of Abbasi Shaheed Hospital & Karachi Medical & Dental College; Vol 25; p231
18. Huma Asif "Evaluation of serum uric acid as a marker of nonalcoholic fatty liver disease" Annals of Abbasi Shaheed Hospital & Karachi Medical & Dental College; Vol 25; p277
19. Huma Asif "To assess the role of IGF-I in females selected for assisted reproductive technique" Annals of Abbasi Shaheed Hospital & Karachi Medical & Dental College; Vol 25; p265
20. Jafar, D., Nasir, A., & Wasim, A. "Impact of Mental Health Nursing Course in Changing the Nursing Student's Perception regarding Mental Health, Mental Illness and Mental Health Nursing, Vol. 7, Issue 2, pp: (136-141),
21. Jafar, D., Nasir, A., & Wasim, A. Impact of Mental Health Nursing Course in Changing the Nursing Student's Perception regarding Mental Health, Mental Illness and Mental Health Nursing. International Journal of Novel Research in Healthcare and Nursing Vol. 7, Issue 2, pp: (136-141), Month: May - August 2020
22. Jaimala Kishore, Fouzia Shaikh, Adnan Mustafa Zuberi, Sana Mirza, Oral Health Impact Profile-14 as an assessment tool for quality of life in Secondary Burning Mouth Syndrome patients" Annals Abbasi Shaheed Hospital & Karachi Medical & Dental College,
23. Neelum Zehra "Establishing an Acute Care Occupational Therapy In Pakistan: An Innovative and Reformed Practice As One Of The Dynamics To Reduce Functional Disability. 2020, Journal of Neurology & Neurophysiology 2020, Vol.11, Issue 2, 001-005
24. Neelum Zehra "Occupational Therapy an Emerging Need for Health and Wellbeing. Pakistan Journal of Rehabilitation 2019 Volume 8 (Issue 1)
25. Rizvi SFA, Wasim B, Borges KJJ, Shumaila Usman S, SHAH MK, KHAN I "Impact of Zinc Chloride on Cellular Viability of Bone Marrow Derived Mesenchymal Stem Cells" IJPAS, January, 2020, 9(1): 2559-2567,

26. Sana Mirza, Naila Hadi, Shahid Pervaiz "Expression of HER-2/neu in Oral Squamous cell carcinoma" *Asian Pac J Cancer Prev*, 21 (5), 1465-1470, 2020
27. Shafaq Saeed Roghay*, Afifa Razi, Mervyn Hosein, Moazzam Shahid, Saima Butt and Hira Batool "Expression of Salivary Resistin in Oral Premalignant Individuals" *Journal of Advances in Medicine and Medical Research* 32(2): 127-133, 2020; Article no. JAMMR.54666 ISSN: 2456-8899 (Past name: British Journal of Medicine and Medical Research, Past ISSN: 2231-0614, NLM ID: 101570965)
28. Seemab Mughal, S Abid Mehdi Kazmi, Quratul ain adnan "Visceral manipulation as a management option of low back pain: A randomized controlled trial. *International Journal of Scientific & Engineering Research*. 2019; 10(12): 402-406
29. Wasim, A; Usman, S; Mirza, T;. (2020). High-Risk Human Papillomaviruses in Oral Squamous Cell Carcinoma (OSCC): A Meta-Analysis. *Pakistan Journal of Medicine and Dentistry*, 71-82.
30. Zehra D, Memon Z, Jabeen A, Ismail K, Usman S, And Agha F "In-vitro assessment and comparison of antioxidant effects of azithromycin with its silver and gold nano conjugated form, *International Journal of Biology, Pharmacy & Allied Sciences* 9(1) 2617-2635.
31. S. Abid Mehdi Kazmi, Naheed Sana, Muhammad Qamar Nazeer "Determination of the factors influencing the outcome of hospitalization in patients suffering from liver cirrhosis. *Indo American Journal of Pharmaceutical Sciences IAJPS* 2020, 07 (11), 42-46.
32. Sagar Kumar, S. Abid Mehdi Kazmi, Sumaira Imran Farooqui, Zuhaira Farruqi, Yusra Abdul "Impact of trunk rotation exercises on balance, cognition & physical performance in grade 3 Parkinson's patients. *Indo American Journal Of Pharmaceutical Sciences IAJPS* 2020, 07 (10), 890-897
33. Zoha Khan, S Abid Mehdi Kazmi, Sumaira Imran Farooqui, Zuhaira Faruqi, Sagar Kumar, Yusra Abdul Muhammad "Efficacy of manual therapy on size of cyst among unmarried females suffering from polycystic ovary syndrome. *Indo American Journal Of Pharmaceutical Sciences IAJPS* 2020, 07 (10), 882-889
34. Maharani Hina Katri, Sumaira Imran Faoouqi, Muhammad Abid Khan, S Abid Mehdi Kazmi, Amna Khan "Effect of Aquatic exercises on balance and quality of life among cerebral palsy" *International journal of scientific & engineering research*. 2020; 11(10) 835-838
35. Amna Khan, S Abid Mehdi Kazmi "Effects of School based fitness training on body index of childhood obesity" *International journal of scientific & technology research (IJSTR)*. 2020
36. Yusra Abdul, S Abid Mehdi Kazmi, Sumaira Imran Farooqui, Amna Aamir Khan, Sagar Kumar, Zuhaira "Physical therapist approach towards the management of low back pain among post – partum females: A perception-based Questionnaire of Current Clinical Practice. *International Journal of Scientific & Engineering Research*. 2020; 11(10).

37. Muhammad Rabi Kamran, S Abid Mehdi Kazmi, Sumaira Imran, Sagar Kumar, Yusra Muhammaf, Zuharia Faruqi "Efficacy of subcutaneous stimulation in individuals with grade 1 obesity. *International Journal of Scientific & Engineering Research*. 2020; 11(10)
38. S Abid Mehdi Kazi, Shahid Badar, Sumaira Imran, Amna Aamir, Sagar, Yusra, Zuhaira "Effects and prevalence of shoulder pain among patients of Spinal cord injury. *European International Journal of Science and Technology*. 2020; 9(10): 94-100
39. Al Wardha, Amna Khan, Sumaira Farooqui, Ali Farhad, Jaza Rizvi, Kamil Zafar "Knowledge Attitude and Practice of Rehabilitation Specialists During the Pandemic of Novel CoronaVirus. *Annals of King Edward Medical University*, 2020; 26, 284
40. Humaira Ansari, Shumaila Usman, Touseef Ahmed, and Shazia, Differentiation of mesenchymal stem cells into dopaminergic neurons, *Pakistan Journal of Medicine & Dentistry* (accepted).
41. Rasheed, N., Wasim, B., Haneef, K., Usman, S., & Sadiq, M. (2020). "A comparative analysis of wound healing potential, cell viability and morphology of normal and gestational diabetic affected wharton's jelly derived mesenchymal stem cells, *Pakistan Journal of Zoology* (accepted). (I.F: 0.79).
42. Qurratulain Khan, Shumaila Usman, Bushra Wasim and Talat Mirza. In-vitro hepatic differentiation of recent sources of stem cells, *Pakistan Journal of Medicine & Dentistry*, 9 (04): 71-77.
43. Baloch, K., Mugheri, D., Soomro, A. M., Bhatti, W. S., Khan, M., Wassan, S. M., Usman, S., Nisar, U., Malhani, W. A., Baloch, N., Mangi, A. A., Lashari, S., Arbani, R. A., Alolyan, S. O., Arain, S. P., & Alshahrani, S. M. (2020). Assessment of Neonatal Respiratory Distress Incidences with Causes, Mortality and Morbidity in a Tertiary Care Hospital. *Journal of Pharmaceutical Research International*, 32(27), 6-10. (I.F: 0.28).
44. Adeel Arsalan*, Kiran Qadeer, Syed Abid Ali, Sofia Ahmad, Rafeeq Alam Khan, Muhammad Ali Sheraz, Sidra Hassan, Iqbal Ahmad. The effect of albumin in photostabilization of riboflavin: A kinetic study. *Journal of Photochemistry and Photobiology A: Chemistry*, 2020; 394: 112456.- Impact Factor 3.261
45. Nisa.Z., Shoaib, M. H., Yousuf, R. I., Ali, S. I., Mahmood, Z. A., Jabeen, S., & Qazi, F. (2020). Influence of different viscosity grade Methocel and Ethocel polymers for the development of controlled release dimenhydrinate matrix tablets. *Polymer Bulletin*, 1-22. ISSN 0170-0839- Impact Factor 2.014
46. Adeel Arsalan*, Iqbal Ahmad, Syed Abid Ali, Kiran Qadeer, Shaukat Mahmud, Fozia Humayun, Anwar Ejaz Beg. The kinetics of photostabilization of cyanocobalamin in liposomal preparations. *International Journal of Chemical Kinetics*, 2020; 52: 207– 217- Impact Factor 1.417
47. Abdul Kadir, Sadaf Ibrahim, Syed Nudrat Nawaid Shah, Zara Aslam, Rehan Ahmed Siddiqui, Mirza Tasawer Baig, Muhammad Raza Shah, Talat Mirza, Shabana Usman Simjee, Adeel Arsalan. Attenuation of cisplatin-induced acute kidney injury by N-(2-Hydroxyphenyl)

- acetamide and its gold conjugated nano-formulations in mice. *Pakistan Journal of Pharmaceutical Sciences*, 2020; 33(2 Suppl.): 787-793. - Impact Factor 0.581
48. Arif Sabah, Ali Shah, Sidra Tanwir, Adeel Arsalan, Aysha Malik, Iqbal Ahmad. Light transmission properties of pharmaceutical liquid bottles and evaluation of their photoprotective efficacy. *Pakistan Journal of Pharmaceutical Sciences*, 2020; 33(2 Suppl.): 877-885. - Impact Factor 0.581
 49. Hira Naeem, Syed Naim-ul-Hassan Naqvi, R Perveen, F Ishaque, R Bano, H Abrar, Adeel Arsalan, Nousheen Malik. Efficiency of proteolytic enzymes in treating lumbar spine osteoarthritis (low back pain) patients and its effects on liver and kidney enzymes. *Pakistan Journal of Pharmaceutical Sciences*, 2020; 33(1 Suppl.): 371-378- Impact Factor 0.581
 50. Abdul Kadir, Sammie Sher, Rehan Ahmed Siddiqui, Talat Mirza "Nephroprotective role of eugenol against cisplatin-induced acute kidney injury in mice" *Pak. J. Pharm. Sci.*, Vol.33, No.3(Suppl), May 2020, pp.1281-1287- Impact Factor 0.56
 51. Nadia Saifulah, Rehan Ahmed Siddiqui, Muhammad Owais Ismail, Zahida Memon, Zara Aslam, Muhammad Raza Shah "Rutin coated gold nanoparticles prevent rhabdomyolysis-induced kidney injury via down-regulation of NF-kB, iNOS, IL-6 and up-regulation of HO-1 and Kim-1 genes in mice" *Pak. J. Pharm. Sci.*, Vol.33, No.4(Suppl), July 2020, pp.1823-1832- Impact Factor 0.56
 52. Qurratul-ain Leghari Faiyaz H.M.Vaid, Zafar Saeid Saify "Evaluation of Anti-inflammatory and Antibacterial potential of newly synthesized 4-(2-Keto-1-benzimidazolyl) derivatives of Piperidine" *Pakistan Journal of Pharmaceutical Sciences*, 33(2), 615-619, 2020, - Impact Factor 0.56
 53. S. A. J. Kazmi, R. A. Khan "Evaluation of wound healing effects of *Syzygium cumini* and Laser treatment in diabetic rats" *Pak. J. Pharm. Sci.*, 33(2 suppl), 779-786, 2020- Impact Factor 0.56
 54. Omaima Ayub Maheen Mumtaz, Noora Mehmood Ayesha Tariq, Nida Ghani, Dr. Quratul-Ain Leghari "Students Thesis Project: Physicochemical And Microbial Analysis On Different Pasteurized Milk Brands Of Pakistan" *Journal For Innovative Development in Pharmaceutical and Technical Science* 3(1) 11-14 January 2020
 55. Mehwish Feroz Ali, Mervyn Hosein, Saima Butt, Rehan Ahmed Siddiqui "Zinc α -2 Glycoprotein (ZAG) a Novel Biomarker for the Detection of Oral Squamous Cell Carcinoma" *PJMD*, 2020, VOL. 9 (03) 77-83
 56. Muhammad Sohail, Rashid Ali, Muhammad Kashif, Sher Ali, Sumet Mehta, Yousaf Bin Zikria, and Heejung Yu "TrustWalker: An Efficient Trust Assessment in Vehicular Internet of Things (VIoT) with Security Consideration" *Sensors Journal*, *Sensors* 2020, 20, 3945- Impact Factor 3.275

57. Saad Jawaid Khan, Soobia Saad Khan, Juliana Usman, Abdul Halim Mokhtar and Noor Azuan Abu Osman ."Orthoses versus gait retraining:Immediate response in improving physical performance measures in healthy and medial knee osteoarthritic adults" Proc IMechE Part H:J Engineering in Medicine 1–9 IMechE 2020.- Impact Factor 1.371.
58. Reeta Kumari,Habiba Sharaf Ali, Rabel Gul. Uterine Exteriorization vs. In situ Repair of Cesarean Section: A Comparative Study at a Tertiary Care,PJMD,Volume9 Issue- 1Jan – Mar.2020
59. Fatima M1, Marvi Raza. Amjad S, Sharaf Ali H, Correlation of Subclinical Hypothyroidism with Polycystic Ovary Syndrome (PCOS).Cureus. 12(5).2020.
60. Ome Kulsoom,Habiba Sharaf Ali "Frequency and Clinical Manifestations of Caesarean Section Scar Defects" PJMD,Volume9 Issue- 1 Jan –Mar.2020.
61. Habiba Sharaf Ali,Sheeba Hussain "Vaginal leiomyoma" Indo American journal of Pharmaceutical sciences, 7(12).2020
62. Rabia Zafar,Hammad Ahmed, Insha Amjad "Assessment of Impostor Syndrome among the Healthcare students of Karachi, Pakistan.Ziauddin Journal of Pharmaceutical Research 1(2) 51-57 Jan/2021
63. Hammad Ahmed "Perception, Attitude and Satisfaction Level of Online Education System during COVID-19 among the Pharmacy Students of Karachi"Pakistan. Ziauddin Journal of Pharmaceutical Research,1(1),1-6,2020.
64. S. Wahid Ali Alqahtani, R. A. Khan*Nootropic Effects of C. melo and C. lanatus seed extracts" BioMed Research International,Article ID 8823038,7 pages, Dec 2020. Category in HE (W), **IF**. 2.276
65. S. Khan R.A. Khan* "Impact of lifestyle in the prevention and management of COVID-19 "Ziauddin Jour. Pharm. Res,1(1), 28-30.2020.
66. S. Wahid R, A. Khan*, Z. Feroz, R. Ikram "Analgesic, Anti-inflammatory and toxic effects of ethanol fraction of edible seeds of Cucumis melo and Citrullus lanatus"Pak. J. Pharm. Sci.33(3), 1049-1055.2020, Category in HE (X), **IF**. 0.562
67. Itefaq HQ Azra R, R. A. Khan*, Mona B, M. A. Rajput "Effect of pregabalin, nimodipine and their combination in the prevention of status epilepticus and death protection in mice"Turk J Pharm Sci.10.4274/tjps.galenos.2020.95776 .2020,Category in HE (Y).
68. S. A. J. Kazmi A. Riaz, N. Akhter, R. A. Khan* Evaluation of wound healing effects of Syzygium cumini and Laser treatment in diabetic ratsPak. J. Pharm. Sci 33(2)Suppl,779-786 ,2020. Category in HE (X), **IF**. 0.562

69. A. Arsalan* K. Qadeer, S. A. Ali, S. Ahmad, R. A. Khan*, M. A. Sheraz, S. Hassan. I. Ahmad The effect of albumin in photo stabilization of riboflavin: a kinetic study Journal of Photochemistry and Photobiology A: Chemistry doi.org/10.1016/j.jphotochem.2020.112456.2020, Category in HE (W), **IF**. 3.306.
70. Kiran Qadeer Adeel Arsalan*, Iqbal Ahmad, Kaneez Fatima, Zubair Anwar, Sofia Ahmed, Saif ur Rehaman Khattak, Shaukat Mahmud "Photochemical interaction of cyanocobalamin and hydroxocobalamin with cysteine" Journal of Molecular Structure, doi.org/10.1016/j.molstruc.2020.129441.2020, Category in HEC(X), **IF**. 2.463.
71. Hina Abrar, Adeel Arsalan*, Hina Yasin, Syed Ijaz Hussain Zaidi, Sadaf Ibrahim*, Kiran Qadeer, Hira Naeem, Kaneez Fatima, Hina Tabassum, Syed Naimul Hasan Naqvi "The novel effect of propranolol in glibenclamide induced hepatotoxicity" Pakistan Journal of Pharmaceutical Sciences 33(4)Suppl, 1871-1878.2020. 2020 Category in HEC (X), **IF**. 0.562
72. Arif Sabah* Ali Shah, Sidra Tanwir, Adeel Arsalan*, Aysha Malik, Iqbal Ahmad "Light transmission properties of pharmaceutical liquid bottles and evaluation of their photoprotective efficacy" Pakistan Journal of Pharmaceutical Sciences 33(2)Suppl. 877-885, 2020, Category in HEC (X), **IF**. 0.562
73. Adeel Arsalan* Iqbal Ahmad, Syed Abid Ali, Kiran Qadeer, Shaukat Mahmud, Fozia Humayun, Anwar Ejaz Beg* "The kinetics of photostabilization of cyanocobalamin in liposomal preparations" International Journal of Chemical Kinetics, 52, 207-217. 2020 Category in HEC (Y), **IF**. 1.531
74. Hira Naeem Syed Naim-ul-Hassan Naqvi, Rehana Perveen, F Ishaque, Rahila Bano, Hina Abrar, Adeel Arsalan*, Nousheen Malik "Efficiency of proteolytic enzymes in treating lumbar spine osteoarthritis (low back pain) patients and its effects on liver and kidney enzymes" Pakistan Journal of Pharmaceutical Sciences 33(1)Suppl, 371-378, 2020, Category in HEC (X), **IF**. 0.562

2019

1. M. Ali, R. A. Khan "Assessment of anticoagulant activity of Nelumbo nucifera fruit. Pak. J. Pharm. Sci. 32(6), 2561-2564, 2019.
2. Wei L, R. A. Khan "WB-PBPK Approach in Predicting Zidovudine Pharmacokinetics in Preterm Neonates" Biopharm Drug Dispos <doi: 10.1002/bdd.2208, 2019
3. Anum Hafeez, Mohammad Iqbal "Mean difference between Transcutaneous and serum bilirubin measurements The Pakistan Journal of Medicine and Dentistry Vol 8 No 2 (2019): April-June 21-26 4, Feb 2019
4. Kanwal and Mohammad Iqbal "Post-phototherapy Hypocalcemia in full-term icteric neonates at tertiary care hospital Pakistan Journal of Biotechnology Vol 16 (2), 2019, 133-137.

5. Sameera Saleem and Mohammad Iqbal"Association of Vitamin D with early onset sepsis in term neonates The Pakistan Journal of Medicine and Dentistry Vol 8 No 3,35-39 ,2019
6. Dr. Abdur Rahman"The Scope of the Death PenaltyUnder the Sharia Law "Al-Tafseer Karachi ,Issue No. 34 4-22. 2019
7. Mahmood S, Sharif A, Nusrat K, Ali Samjo S, Abbas Z. Mesenteric panniculitis with raised alanine transaminase levels: A rare case report from Pakistan.Cureus 2019 Dec 18;11(12):e6411. PMID: 31970040
8. Sharif A, Abbas Z, Ahmed S, Ali Samjo S, Baqai K. Effect of non-alcoholic fatty liver disease on transaminase levels and transient elastography in patients with chronic hepatitis B. Cureus 2019 Oct 25;11(10):e5995. doi: 10.7759/cureus.5995. PMID: 31807383
9. Chen T, Yang Z, Choudhury AK...Abbas Z...Sarin SK, Ning Q. Complications constitute a major risk factor for mortality in hepatitis B virus-related acute-on-chronic liver failure patients: a multi-national study from the Asia-Pacific region.Hepatology International,2019;13:695-705. PMID: 31650510
10. Shazia Hashmat,Zulfania,Moazzam Shahid,Syed Tousif Ahmed,Hiba Noor,Hira Abdul Qayyum"Effectiveness of Teaching ECG Strategy in Preclinical Years: Students 'Perspective"Pakistan Journal Of Medicine and Dentistry 2019, Vol 8 Issue 1.
11. Hingorjo MR, Zehra S, Nadeem S, Qureshi MA"Leptin as a predictor of anthropometric cutoff points for obesity"Pak. J. Pharm. Sci., Vol.32, No.2, pp.483-490
12. Farhad A, Farooqui SI, Amjad S, Khan AA."Role of structure ed and supervised exercise programmes in peripheral artery disease patients with and without claudication-A Systematic Review and Meta analysis" J Pak Med Assoc. 2019 Jun;69(6):874-878
13. Rehman R, Zahid N, Amjad S, Baig M,Gazzaz ZJ "Relationship Between Smoking Habit and Sperm Parameters Among Patients Attending an Infertility Clinic."Front Physiol. 2019 Oct 31;10:1356. doi: 10.3389/fphys.2019.01356.
14. Hira Attique,Moazam Shahid,Leena Hani,Rehana Rahman,Shahina Ishtiaq,Syed Tousif Ahmed" Association of lipid profile with body fat percentage and BMI in second trimester of pregnancy "PJMD,2019, VOL. 8 (03),p46-50
15. Shazia Hashmat, Zulfania, Moazzam Shahid, Syed Tousif Ahmed,Hiba Noor,Hira Abdul Qayyum Memon "Effectiveness Of Teaching ECG Strategy In Preclinical Years: Students Perspective"PJMD ,2019, Vol 8 Issue 1
16. Afreen bhattay "Emerging Role of Zinc Transporter-8 Autoantibodies (ZnT8A) in Type 1 Diabetes Mellitus- A Review Journal of Advances in Medicine and Medical Research 2019 - Volume 31(6)

17. Dabeeran Zehra,Zahida Memon, Kauser Moin,Shumaila Usman,Urooj Zafar,Nisha Zahid "Antitumor potential of antimicrobials: An anticipated armour of Hepatocellular Carcinoma" Journal of Advances in Medicine and Medical Research 30(7) 1-8,2019.
18. Faiza,Alam, Taseer, Ahmed Khan, Sofia Amjad, Rehana Rehman,"Association of Oxidative Stress with Female Infertility"Journal of Pakistan Medical Association,69(5):627-631 , 2019
19. D. S. Siddiqui, S. Afroz and R. A. Khan." Preventive and Therapeutic Effects of Aqueous Extract of Spinacia Oleracea On Psoriatic Patches In Albino Rats", Pak. J. Pharm. Sci,32(1):35-42, 2019
20. Sofia Amjad, Mukhtiar Baig, Nida,Zahid, Sundus, Tariq,Rehana,Rehman, "Association between leptin,obesity, hormonal interplay and male infertility",Andrologia, 51(1):13147, 2019
21. Nazish Fatima, Sidra Mohiuddin, Mervyn Hosein, Salim Hosein " Socio-economic implications of a younger aged female predilection in Malignant transformation of oral sub mucous fibrosis" Journal of Ayub Medical College,31(1),16-20, 2019
22. Afifa Razi, Sidra Mouhiuddin, Atiya Abdul Karim,Atif Iqbal" Vitamin D as an Adjunct Therapy to cure Oral Lichen Planus: A follow up study" Pakistan Oral and Dental Journal,38(4), 399-403, 2019
23. Amenah Jafarey, Saeeda Baig. VDR Gene Polymorphisms: The Independent Link To Asthma. PJMD, vol 8(1). 2019
24. Fatima Jehangir, Anusheh Zia, Hamza Syed,Amin Arshad"Asthma in Patients with Persistent Cough: A Cross sectional Analysis from a Primary Care Center in Karachi" Journal Of Dow University Health Sciences,13(02):83-89. 2019
25. Fatima Jehangir, Ayla Hasan, Fatima, Noor Rehman" Lifestyle Factors Influencing the Prevalence of Skin Diseases at a Primary Care Center in Karachi" Pakistan Journal Of Medicine and Dentistry,8 (01):15-21. 2019
26. Fatima Jehangir,Hamza Syed, Anusheh Zia, Amin Arshad, Neha" Frequency and Predictors of COPD and Restrictive Lung Disease in Primary Care" Pakistan Journal Of Medicine and Dentistry,8 (02):27-34 2019
27. Haya Naveen, Saeeda Baig, Wasfa Farooq, Hira Attique. Naswar Dipping, Shift In Behavior In Multi Ethnicity Setting. PJMD. vol 8(2), April 2019
28. Humera,Akhlaq, M.Owais, Ismail "Estimation of Salivary Superoxide Dismutase Level in Oral Submucous Fibrosis: A Clinical and Biochemical Study" JBUDMC,9(2):11-17, 2019

29. Maheen Nisar , Rubaab M. Mohammad, Aleena Arshad, Irtiza Hashmi, Sarim M. Yousuf, Saeeda Baig. Influence of Dietary Intake on Sleeping Patterns of Medical Students. *Cureus*;11 (2): e4106. doi:10.7759/cureus.4106, 2019
30. Qudsia,Hassan, Muhmmad,Ikram, Ali,Farhat,Mirza”Burns: Epidemiology And Distribution Pattern In Karachi - A One-Year Survey “*Pakistan Journal Of Medicine and Dentistry*,7 (04):97-102, 2019
31. Rafeeq. A. Khan, M. Ali and T.Assad, “Effect of Nelumbo nucifera Fruit on Scopolamine Induced Memory deficits and Motor Coordination”*Metab Brain Disease*,34(1):87-92, 2019
32. Sadia Farrukh, Saeeda Baig, Rubina Hussain and Mohammad Haris Lucky. Association of Cord Blood Telomere Biology with Mother’s Education. *International Journal of Biochemistry Research & Review* 24(3): 1-9, 2018; Article no.IJBCRR.46192 ISSN: 2231-086X, NLM ID: 101654445 Published 12 January 2019
33. Sadia Farrukh, Saeeda Baig, Rubina Hussain, Hina Rajani and Zoya Ibad. Association of Mother’s Blood Group with Cord Blood Relative Telomere Length. *PJMD*.April vol 8(2), 2019
34. Sadia Farrukh, Saeeda Baig, Rubina Hussain. Telomere reprogramming during fetal life in low socioeconomic mothers. Elsevier, *Egyptian Journal of Medical Human Genetics*. 2019
35. Saeeda Baig. Placental Malaria- Insight into Vaccine Development. *PJMD*.vol 8(1). 2019
36. Sana Lodhi, Saeeda Baig, Danial Arshad. Bone Is Not Just Calcium and Vitamin D-A review of essential nutrients required for bone health. *PJMD*.2019; April, vol 8(2).
37. Y. Fan, N. Mansoor, T. Ahmad, Zhuo X. Wu, R. A Khan, M. Czejka, S. Sharib, M. Ahmed, Z. S Chen, D. H. Yang, “Enzyme and Transporter Kinetics for CPT-11 (Irinotecan) and SN-38: An Insight on Tumor Tissue Compartment” *Recent Patents on Anti-cancer Drug Discovery*, 2019.
38. Tabinda,Urooj, Bushra Wasim,etal “Cancer Cell-Derived Secretary Factors in Breast Cancer Associated Lung Meta, stasis;their Mechanism and its Future Prospects” *Current Cancer Drug Targets*,Vol 20, 2019
39. Nabila.Rasheed, Bushra.Waseem etal.“Effects of Gestational Diabetes and Other Metabolic Syndromes on Stemness Properties of Adult Mesenchymal Stem Cells” *IJMRHS*,vol 8(10),p1-7, 2019
40. M.Syed Faizan, Bushra,Wasim “The Role Of Hypoxia And Hif-1 α On Mesenchymal Stem Cells; Potential Therapeutic Advantages & Hazards” *World Journal Of Pharmacy And Pharmaceutical Sciences*, Vol8 (11), p147-156, 2019

41. Bushra.Wasim ,M.Khalid “Correlating Vitamin D receptor Gene Polymorphism in Vitamin D Deficient Premenopausal Pakistani Females via PCR/RFLP and Breast Cancer Risk” *Biochemistry & Molecular Biology Journal*,Vol 5(1),p1-6
42. Saeeda Baig. Placental Malaria- Insight into Vaccine Development.vol 8(1), 2019
43. Syed Abid Mehdi Kazmi Pirzada Qasim Raza Siddiqui, Basit Ansari, “Assessment of Lumbar Multifidus and Transversus Abdominis muscle thickness or cross-sectional by rehabilitative ultrasound imaging- A meta-analysis ”*Indo American Journal Of Pharmaceutical Sciences*.Vol06 (01),2052-2058 2019
44. Shazi L, Abbas Z "Ethical dilemmas related to living donor liver transplantation in Asia",2019
45. Syed Abid Mehdi Kazmi Pirzada Qasim Raza Siddiqui, Basit Ansari,” Ultrasound Imaging as a feedback tool to measure the efficacy of core stability exercises versus spinal mobilization technique in patients with low back pain. A randomized clinical trail” *Indo American Journal Of Pharmaceutical Sciences*,Vol 06 (01),1326-1335, 2019
46. Alwardha Zahoor Syed Imran Ali Shah, Junaid Ali Shah, Athar Munreeuddin , Umer Butt,Zainab Aqeel Khan,”Outcomes Following Open Reduction Internal Fixation (Orif) For The Treatment Of Displaced Mid Shaft Clavicle Fracture” *Ec Orthopaedics*,Vol 10(9),781-786
47. Muhammad Ather Hashmi,Saima Ali” Correlation Of Ankle Dysfunction With Knee Pain” *Pakistan Journal Of Rehabilitation*.Vol8(1), 2019
48. Neelum Zehra,”Establishing An Acute Care Occupational Therapy In Pakistan: An Innovative And Reformed Practice As One Of The Dynamics To Reduce Functional Disability”*Pakistan Journal Of Rehabilitation*.Volume 8 (Issue 1).
49. Amas Nadir 'Neuroprotective Effects Of Curcumin Against Ischemic Neuronal Injury; A Study In Middle Cerebral Artery Occlusion Rat Models Of Focal Cerebral Ischemia” *Journal Of Microbiology, Biotechnology And Food Sciences*, 2019
50. Amas Nadir “Psychophysiological Consequences Of Mobile Phone Addiction; A Study On Mobile Phone Usage And Sleep Quality” *Indian Journal Of Natural Sciences*, 2019
51. Amna Aamir Khan,Prof Dr Pirzada Qasim Raza Siddiqui, Basit Ansari,Ali Farhad “Effects Of Osteoanabolic Exercises On Bone Mineral Density Of Osteoporotic Females: A Randomized Controlled Trial”.*IJHS*,13(1), 2019
52. Amna Aamir Khan, Prof Dr Pirzada Qasim Raza Siddiqui, Basit Ansari, Ali Farhad ”Impact Of Activity Monitors On Quantification Of Physical Activity - A Systematic Review & Meta-Analysis”.*IJPS*,6(2),3400-3411. 2019
53. Ali Farhad,Sumaira Imran, Sofia Amjad,Amna Amir Khan “Effect Of Aerobic And Anaerobic Exercise On Estrogen Level, Fat Mass And Muscle Mass Among Post-Menopausal Osteoporotic Females” *IJHS*,2019

54. Ali Farhad, Sumaira Imran Faoouqi” Role Of Structured And Supervised Exercise Programs In Peripheral Artery Disease Patients With And Without Claudication. A Systematic Review And Meta-Analysis,JPMA,2019.Health Sciences + Meta-Analysis
55. Sumaira I Farooqui,Prof Dr Pirzada Qasim Raza Siddiqui, Basit Ansari,Ali Farhad “Effect Of Spinal Mobilization Techniques In The Management Of Cobb's Angle Among Adolescent Idiopathic Scoliosis Patient” IAJPS,6 (2),4054-4062
56. Alia Nasir,Badil’ Knowledge of antibiotic use, misuse and antibiotic resistance in the slum community in Karachi.”Pak J Public Health.Vol 9(1), 4-8
57. Alia Nasir, Saima Badil,”HIV/Aids Knowledge and sex related health seeking attitude among young adults in Karachi, Pakistan”. Pak J Med Dentistry, Vol8 (3), 64-69
58. Talat,Mirza etal. “Histopathological Evaluation of Prevalent H. pylori Induced Gastrointestinal Diseases According to Updated Sydney Classification” ‘Journal of Biosciences and Medicines Vol.07 No.05, 7
59. Talat,Mirza etal. “Neuroprotective effect of diclofenac on chlorpromazine induced catalepsy in rats” Metabolic Brain Disease,Vol 34 (04), pp 1191–119
60. Talat,Mirza etal. “E-Cadherin as a Marker for Nodal Metastasis in Head and Neck Squamous Cell Carcinoma” Journal of Advances in Medicine and Medical Research, Vol 29(9): 1-9
61. Talat,Mirza etal. “Molecular Medicine: A Paradigm Shift in Clinical Scenario” Pakistan Journal of Medicine and Dentistry , Vol. 8 (02).
62. Talat,Mirza etal. “Association of High Risk Human Papilloma Virus (HPV-16/18) with P16 Protein in Oral Premalignant Lesions and Oral Squamous Cell Carcinoma” Pakistan Journal of Medicine and Dentistry; 8(4): 4-11.
63. Talat,Mirza etal. “Bari FM. Expression of TTF-1, NAPSIN-A, P63 and P40 in Differential Diagnosis of Non-Small Cell Lung Carcinoma “Pakistan Journal of Medicine and Dentistry.; 8(3): 12-18.
64. Talat,Mirza etal. Eugenol Ameliorates Rhabdomyolysis-Induced Acute Kidney Injury in Mice” Pakistan Journal of Medicine and Dentistry , Vol. 8 (03) 2019.
65. Rehana Faryal Mehdi,Rizma Khan”Survivin Promoter Polymorphism (-31 C/G): A Genetic Risk Factor for Oral Cancer”Asian Pacific Journal of Cancer Prevention, 20 (4),1289-1293, 2019
66. Meraj Zehra, Shamim Mushtaq, Syed Ghulam Musharraf, Rubina Ghani & Nikhat Ahmed “IL18RAP and Pim1 Proteins: Predicted role during in vitro corneal epithelial wound healing”JPMA 2019
67. Nosheen Mehmood, Muhammad Hanif, Akhtar,Ahmed, Qamar Jamal,Shamim Mushtaq,Adnan Khan,Muhammad Saqib” Circulating miR-21 as a prognostic and predictive biomarker in oral squamous cell carcinoma” Pak J of Med Sci, (35)5, 2019

68. Meraj Zehra, Shamim Mushtaq, Syed Ghulam Musharraf, Rubina Ghani & Nikhat Ahmed "Association of Cyclin Dependent Kinase 10 and Transcription Factor 2 during Human Corneal Epithelial Wound Healing in vitro model". Scientific Reports (Nature Research) 9:11802-11802, 2019
69. Syed Faraz Jafferi, "Strategic Traffic Crash Avoidance translating Scatter Plotting Evaluation Model" Journal of Mechanics of Continua and Mathematical Sciences (JMCMMS) 2019
70. Shamim F, Uzma Rashid "The English-Urdu Medium divide: Consequences for learner identity and future life chances" Journal for Education and Educational Development (JEED), 6(1), 43-61, 2019
71. Qurratul Ain Leghari, Najeeb Khatian, Hammad Ahmed "Evaluation of toxic components in underground drinking water and its effects on the health of the rural people of Hyderabad, Pakistan" International Journal of Biomedical and Advance Research, 10(03), 1-4, 2019
72. Shamim, F. . Proficiency and Professionalism: Arab teachers' perceptions and experiences. Kashmir Journal of Language Research, 2019
73. Kanwal and Mohammad Iqbal, Post-phototherapy Hypocalcemia in full-term icteric neonates at tertiary care hospital, Pakistan Journal of Biotechnology, Vol 16 No 2 , 133-137. 2019.
74. Sameera Saleem and Mohammad Iqbal, Association of Vitamin D with early onset sepsis in term neonates, The Pakistan Journal of Medicine and Dentistry, Vol 8 No 3, 35-39 2019.
75. Sadiq S, Ahmed ST, Rizvi NA, Ahmad F. Establishing age specific spirometry reference ranges for children/adolescents of Karachi, Pakistan: Randomized trials. J Pak Med Assoc 2019; 69(1):24-8
76. Zaidi KA, Rehman S, Ahmad F, Danish SH, Ahmad F. Depression amongst parents of children with intellectual disability. Pak JMD 2019; 8(3):70-6
77. Awan AA, Memon Z , Shaheen S, Ismail K , Ahmad F, Agha S. Effective dose of streptozotocin for induction of diabetes mellitus and associated mortality rate in wistar albino rats. PJMD 2019; 8 (4):50-4
78. Ehsan SM, Ahmed S, Asim A, Devi M, Ahmad F. Association between lack of sex education and watching of adult themed content amongst youngsters in Pakistan. PJMD 2019, 8 (4):87-93
79. Ali Akhtar, Shaheen S, Ahmed F, Zahid N, Israr N, Zehra D. Association of Depression, Anxiety and Stress in Medical Students Studying in Modular, Semester and Annual Examination System. AJMAH 2019; 16(2): 1-8
80. Siddiqui SH, Vohra EA, Ahmad F. Association of multi-morbidities with sepsis in adult patients admitted in a tertiary care hospital, Karachi. PJMD 2019, 8 (4):12-9

BOOK CHAPTER

Shamim, F. (2019). Learning to teach English. In Alan Maley (ed.). Developing expertise through experience. The British Council. , 2019.

2018

1. Baig S, Rubab Z and Farooq W, Molecular Pathogenesis of Chewable Tobacco, JCPSP, 2018; 28 (5): 381-385.
2. Fouzia Lateef, Saba Jamal, Surrayya Nasir “Her-2/neu Oncogene Amplification by Fluorescence In Situ Hybridization and Protein Overexpression on Immunohistochemistry in Breast Cancer”. journal of the College of Physicians and Surgeons--Pakistan : JCPSP,2018,28(8),581-585
3. Zeb-un-nisa, Muhammad Harris Shoaib, Syed Imran Ali, Mehwish Rizvi, Sadia Suri Kashif, Development and validation of RP- HPLC method with UV detection to determine and quantify dimenhydrinate in human plasma, Pakistan Journal of Pharmaceutical sciences, Vol.31, 979-984, : May 2018
4. Faiza Qureshi,Shehla Shaheen,Zahida,Memon” Culture and Sensitivity Patterns of Various Antibiotics Used for the Treatment of Pediatric Infectious Diarrhea in Children under 5 Years of Age: A Tertiary Care Experience from Karachi” International Journal of Clinical Medicine,2018 , 9(09):684-696
5. Rabia Rizwan, Zahida Memon,Shehla Shaheen, Faisal Afridi, Mubarak Zaib “Prevalence and Sensitivity Patterns of Candidal Infections in Various Tertiary Care Health Subunits of Karachi” International Journal of Clinical Medicine, 2018, 9:645-659, 2018
6. Rabeea Rizwan, Zahida Memon, Shehla Shaheen, Faisal Afridi, Mubarak Zaib “In-Vitro Comparison of Antifungal Activity of Herbs (Darehald and Pomegranate) with Azoles” International Journal of Clinical Medicine, 2018, 9:703-715
7. Syed Muhammad Ghufraan Saeed, Seema Ashraf1, Sonia Siddiqui , Syed Aasad Sayed , Rashida Ali, Qurratul-ain Leghari , Faheema Siddiqui , Shabana Simji , Zafar Saied Saify and Rashid Jaffery, Potential nutraceutical benefits of basmati rice bran oil as anti-inflammatory and anti- arthritis. Pakistan Journal of Pharmaceutical Sciences, MS NO. 5534, April 2018
8. Rubina Siddiqui, Zafar Saied Saify, Shammim Akhter, Syed Muhammad Ghufraan Saeed, Shazia Haider and Qurratul-ain Leghari, Pharmacy, Synthesis, Characterization and Evaluation of Antioxidant Potential of 2, 6-diphenylpiperidine-4-one compounds and their novel imine derivatives, Pakistan Journal of Pharmaceutical Sciences, MS NO.6592, ,July 2018
9. Al-Sowygh ZH, Aldamkh MK., Bin Mahfouz AM., Al-Aali KA., Akram Z., Qutub OA., Javed F., Abduljabbar T, Assessment of matrix metalloproteinase-8 and -9 levels in the peri-

implant sulcular fluid among waterpipe (narghile) smoker and never-smokers with peri-implantitis, *Inhalation Toxicology.*, Page:72-77, March 2018,

10. Ikram S. Hassan B., Raffat MA., Mirza S., Akram Z., Systematic review and meta-analysis of double-blind, placebo-controlled, randomized clinical trials using probiotics in chronic periodontitis., *Journal of Investigative and clinical Dentistry.*, Issue 10, 2018
11. Sana Mirza, Naveed Ur Rehman, Ali Alrahla, Wa'da Rafa Alamri, Faheem Vohra, Efficacy of Photodynamic therapy and low level laser therapy against steroid therapy in the treatment of erosive-atrophic oral lichen planus, *Photodiagnosis and Photodynamic therapy*, March, 2018
12. Rehan Ahmed Siddiqui, Shabana Usman Simjee, Nurul Kabir, Muhammad Ateeq, M. Raza Shah, Syed Saad Hussain, N-(2-hydroxyphenyl)acetamide and its gold nanoparticle conjugation prevent glycerol-induced acute kidney injury by attenuating inflammation and oxidative injury in mice, *Molecular and Cellular Biochemistry*, pp 1-10, 2018
13. M. Arsalan Raffat, Naila Hadi, Mervyn Hosein, Sana Mirza, Sana Ikram, Zohaib Akram, S-100 Protein in Oral Squamous cell carcinoma. *Clinical chimica Acta*, Feb 2018
14. Rubab Z, Baig S., Zaman U, Lucky MH, Human papillomavirus 16/18: Fabricator of trouble in oral squamous cell carcinoma, *Int J Infect Dis*, 2018; 69: 115-119.
15. Akram Z., Vohra F., Bukhari IA., Sheikh SA., Javed F., Clinical and radiologic peri-implant parameters and proinflammatory cytokine levels among cigarette smokers, smokeless tobacco users, and non-tobacco users, *Clinical Implant Dentistry and Related Research.*, 2018
16. Al-Aali KA., Arabiah M., ArRejaie AS., Abduljabbar T., Vohra F., Akram Z., Peri-implant parameters, tumor necrosis factor-alpha, and interleukin-1 beta levels invading individuals., *Clinical Implant Dentistry and Related Research.*, 2018
17. Al-Sowygh ZH, Ghani SM., Sergis K., Vohra F., Akram Z, Peri-Implant conditions and levels of advanced glycation end products among patients with different glycemic control., *Clinical Implant Dentistry and Related Research.*, 2018
18. Kulsoom.B, Memon Z, "Bax, BCL-2, and Bax/Bcl-2 as prognostic markers in acute myeloid Leukemia: are we ready for BCL-2 directed therapy", *Cancer Management and Research*; 10:403-416, 2018
19. Neelam Mallick, Fakhshena Anjum, Qurratul-Ain Leghari, Lubna Bashir and Shazia Naz (Faculty of pharmacy, Ziauddin University, Karachi, Pakistan, Awareness Of Hepatitis C In Karachi, Pakistan, world journal of pharmacy and pharmaceutical sciences, Volume 7, Issue 2, ISSN 2278-4357, 148-154 , 2018,
20. Sadia S. Kashif, Sadaf Naeem, Maqsood Ahmed Khan, Nausheen A. Sarosh, Zaib Un Nisa and Tanzeela Mujahid., Reasons to explore pharmacist's attitude in dispensing antimicrobial agents without prescription, *World Journal of Pharmacy and Pharmaceutical sciences*, Volume 7, Issue 3: 105-109: SJIF , 2018

21. Dr. Maqsood Ahmed Khan, Syed Imran Ali, Sadia S. Kashif, Dr. Rabia Bushra, Analysis of prescription pattern of antibiotics for UTI, World journal of Pharmaceutical Research, Issue :7 : 106-114; SJIF ; April 2018
22. Hammad Ahmed, Muhammad Aslam, Pharmacy (Pharmacology) Evaluation of aphrodisiac activity of ethanol extract of Ganoderma lucidum in male Wistar rats Clinical Phytoscience, Issue: 4 (1 -8) Oct-2018,
23. Erum Salim, Adnan Mustafa Zubairi, Syed Hasan Danish and Usman Ali “Diagnostic Accuracy of Risk of Ovarian Malignancy Algorithm (ROMA) in Post-Menopausal Patients with Ovarian Mass” Journal of the College of Physicians and Surgeons Pakistan ,28 (6): 440-444, 2018
24. Dr. Amenah, Dr. Saeeda, Biochemistry, Spices And Their Influence on The Activity Of Intestinal Phosphatases, 2018
25. Dr. Asif Memon, Dr. Saeeda/, Biochemistry, Diabetico-protective role of vitamin D PJMD (vol 4) 2018
26. Syed Sohail Abbas, Saeeda Baig Biochemistry, Osteoporosis and its association with testosterone levels in males in Pakistani population, PJMD (vol 4), 2018
27. Saeeda Baig, Jafri, HSMO, Liquid Biopsy- the Non invasive tool for tracking cancer, JCPSP, 2018, 29(6)
28. Erum Salim, Sumera Shaikh, Najia Tabassum Mahfooz, Adnan Zubairi, Shanawer Ali Khawaja, ”Areebah Asim, “Frequency Of Neonatal Thyroid Disorders In A Tertiary Care Hospital In Karachi” Pakistan Journal Of Medicine And Dentistry 2018, Vol. 7 (04)
29. Erum Salim, Sumera Shaikh, Najia Tabassum Mahfooz, Adnan Zubairi, Shanawer Ali Khawaja, ”Areebah Asim, “Frequency Of Neonatal Thyroid Disorders In A Tertiary Care Hospital In Karachi” Pakistan Journal Of Medicine And Dentistry 2018, Vol. 7 (04)
30. Abeeha Batool Zaidi, Sidra Mohiuddin, Atiya Abdul Karim “Dental Sensitivity Associated with Consumption of Fizzy Drinks: A Cross Sectional Study” Pakistan Journal of Medicine and Dentistry, Dec, 2018, 7(4).
31. Adeel Arslan, R Bano”In vitro antibacterial susceptibility of different brands of oral levofloxacin 250 mg against Staphylococcus aureus and Escherichia coli” Pakistan Journal of Pharmaceutical Sciences, 2018, 31(6):2529-2535
32. Afifa Razi, Sidra Mouhiuddin, Atiya Abdul Karim, Atif Iqbal “Efficacy of combined anti-inflammatory drug versus single drug in the management of dental pain after surgical extraction: A double blind RCT” International Journal of Dental Health Sciences, April 2018, 5(2), 219-227.
33. Akram Z. Vohra F., Javed F. Low-level laser therapy as an adjunct to connective tissue graft procedure in the treatment of gingival recession defects: A systematic review and meta-analysis, Journal of Esthetic and Restorative Dentistry, Issue 26, 2018

34. Amenah Jafarey, Saeeda Baig, VDR gene polymorphism: the independent link to asthma, PJMD, 2018
35. Asma Shabbir, Muhammad Asif Qureshi, Abdullah Bin Khalid Talat Mirza, Asma Shaikh, Syed Mehmood Hasan; Gastric adenocarcinoma expressing human epidermal growth factor receptor in South Asian population, Saudi J Gastroenterol (SJG) 2018; 20.
36. Dr. Sumera Shaikh, Dr. Ali Shariq, Dr. Adnan Mustafa Zuberi, Dr. Syed Sohail Abbas “Abo and rhesus blood group distribution in residents of Karachi” PJMD 2018, VOL 7(03), 32
37. Dr. Sumera Shaikh, Dr. Ali Shariq, Dr. Adnan Mustafa Zuberi, Dr. Syed Sohail Abbas “Abo and rhesus blood group distribution in residents of Karachi” PJMD, 2018, VOL 7(03), 32
38. Dr. Talat Mirza, Dr. Zartaj Ahmed, Rehabilitation: Health Research Perspectives and challenges, Pakistan Journal of Medicine and Dentistry (PJMD) 2018; 7(02):1
39. Faiza Qureshi, Shehla Shaheen, Zahida Memon” In-Vitro Comparison of Antimicrobial Actions of Probiotics (Lactobacilli Species and Saccharomyces boulardii) with Standard Antibiotics for the Treatment of Diarrhea in Pediatric Population” International Journal of Clinical Medicine, 2018, 9(12):827-840, Impact Factor 0.7
40. Gardezi S, Hassan N, Memon S, “Rugoscopy in five different ethnic groups of Pakistani population”, Pakistan Journal of Medicine and Dentistry (PJMD), 2018
41. Gardezi S, Hassan N, Memon S, Rugoscopy in five different ethnic groups of Pakistani population, Pakistan Journal of Medicine and Dentistry (PJMD), 2018
42. Humera Jabeen, , Mehwish Zeeshan, , Muhammad Imran, Sumreen Begum¹, Tajaltee Saleem,, Nazia Ahmed & Rashida, Qasim, Estimation of total antioxidant capacity in type 2 diabetic and normal healthy subjects, International Journal of Endorsing Health Science Research, vol.6, Issue 2, (32-29) June 2018
43. Jabbar, Ahmed, Qureshi, Zahida Memon, Kauser, Moin, Mirza” Anti Hyperglycemic and Anti Hyperlipidemic Activity of Linum usitatissimum and Glycyrrhiza glabra Extracts in Streptozotocin-Induced Diabetic Rats” Asian Journal of Research in Medical and Pharmaceutical Sciences, 2018, 5(02):1-10, 2018
44. Jabbar, Ahmed, Qureshi, Zahida Memon, Kauser, Moin, Mirza” Herbal Approach towards the Cure of Diabetes Mellitus— A Review” Asian Journal of Medicine and Health, 2018, 12(2):1-12, (Review)
45. Jafri HSMO, Baig S, Siraj S, Role of vitamins in cardiovascular system; Pakistan Journal of Medicine and Dentistry (PJMD), 2018; 7 (01)
46. Javed F., Salehpoor D., Al-Dhafeeri T., Yousuf M., Khan J., Akram Z., Is adjunctive photodynamic therapy more effective than scaling and root-planing alone in the treatment of periodontal disease in hyperglycemic patient? A systematic review. Photodiagnosis and Photodynamic therapy, ;1:6 2018

47. K Qadeer, Adeel Arsalan, Z Anwar, I Ahmad "Photodegradation: Mechanisms and Applications" Nova Science Publishers, Inc., New York, USA. 2018, 129-164, Chapter (ISBN: 978-1-53614-568-7).
48. Kashif Ali*, Ali Akbar Sial, Mirza Tasawer Baig, Saqib Hussain Ansari, Syed Omair Adil, Tahir Sultan Shamsi. Detection of the Incidence of Infections and Acute Biochemical Changes in Diffuse Large B-Cell Lymphoma Patients Treated with Cyclophosphamide, Doxorubicin, Vincristine and Prednisone (CHOP) with and without Rituximab. *Current Drug Safety*, Volume 13 , Issue 2 , 2018
49. Khan M, Afridi FI , Warind JA , Jamal Q, Frequency and Antimicrobial Resistance Pattern of Salmonella Typhi Isolated From Blood Cultures 2018
50. Krynicki C, Uptegrove R, Suckling J, Dazzan P , Joyce E, Lawrie S, Husain N, Chaudhry IB, Dunn G, Jones P, Lisiecka D, Lewis S, Barnes T, Williams S, Hopkins S, Drake R, Smallman R, Giordano A, Pariante C, Deakin B. Targeting The Immune System To Treat Depression And Negative Symptoms In Schizophrenia. *Schizophrenia Bulletin* , 2018; 44 (S1), T46.
51. Lubna, Jahanzeb, Zahida, Memon, M.owais, Ismail "A novel combination to defeat life threatening organism Pseudomonas Aeruginosa" *Pakistan Journal of Medicine and Dentistry*, 2018, 7(02), (Review)
52. Lubna, Jahanzeb, Zahida, Memon, M.owais, Ismail "New Agent Ceftolozane/ Tazobactam for the Treatment of Superbug - Pseudomonas Aeruginosa: Restoring the Miracle" *Journal of Advances in Medicine and Medical Research*, 2018, 26(06):1
53. Mahwish Akhter, Hafeez Lakhan, Farrukh Ashraf, Usman Jami, Saad Jamal, Shoaib Hanif, Ayesha Jawaed, Shabbir Hussain, Jawaid Mallick, Moderate Hypofractionation Radiation Therapy in Esophageal Cancer, *Pakistan Journal of Medicine and Dentistry*, 7(2), May 2018
54. Maqsood A. Khan, Zeb-un-nisa, Syed I. Ali, Sadia S. Kashif , Profile and management of community acquired pneumonia in a tertiary care hospital in Karachi, *International Journal of Medicine and Medical Sciences*, 31-35, 0.5897/IJMMS2017.1342 , 2018
55. Maqsood Ahmed Khan, Syed Imran Ali, Shazia Alam, Rasheeda Fatima, Sadia S Kashif, Assessment of Prescribing Trend of Drugs at Out Patient's Chest Ward of Government Tertiary Care Hospital Situated in Karachi, 18-021, Jan 2018
56. Mohamad, Wasif, Saleem, Zahida, Memon, Faraz, Ahmed, Baig "Immuno-histochemical Expression of Epstein Barr virus in biopsies bearing oral squamous cell carcinoma" *Asian Journal of Medicine and Health*, 2018, 12(1):1-7
57. Qureshi F, Lakhani M, Mushtaq S. "Cell cycle regulator: cyclin dependent kinase 10 as potential target in cancer" *PJMD* 7(4).
58. Rabea Rizwan, Zahida Memon, Shehla Shaheen "Candidiasis in perspective of Pakistan" *Pakistan Journal of Medicine and Dentistry*, 2018, 7(03), (Review).

59. Rabia Rizwan 1, ZahidaMemon1,ShehlaShaheen1, Faisal Afridi2, Mubarak Zaib2“In-Vitro Comparison of Antifungal Activity of Herbs (Darehald and Pomegranate) with Azoles” International Journal of Clinical Medicine, 2018, 9, 703-715.
60. Rabia Rizwan 1, ZahidaMemon1,Shehla Shaheen, Faisal Afridi, Mubarak Zaib2“Prevalence and Sensitivity Patterns of Candidal Infections in Various Tertiary Care Health Subunits of Karachi” International Journal of Clinical Medicine, 2018, 9, 645-659.
61. Rehana Faryal Mehdi, Fouzia Shaikh, Saeeda Baig, Muhammad Fazal Hussain Qureshi, Mahira Lakhani, Iman Zia, Wania Shahid and Danish Mohammad. Oral Squamous Cell Carcinoma and Tobacco Use. Journal of Advances in Medicine and Medical Research 28(9): 1-5, 2018
62. S. J. Khan, S. Afroz and R. A. Khan “Anti-inflammatory Activity of Ethanol Leaves Extract of Cymbopogon jwarancusa on Carrageenan Induced Paw edema in Rats,”Int J Pharm Res Health Sci,2018,06(4):2735-2738.
63. Sadia Farrukh, Saeeda Baig, Rubina Hussain and Mohammand Haris Lucky, Association of Cord Blood Telomere Biology with Mother’s Education. International Journal of Biochemistry Research & Review 24(3): 1-9, 2018; Article no.IJBCRR.46192 ISSN: 2231-086X, NLM ID: 101654445
64. Sadia Suri Kashif, Sadaf Naeem, Nausheen A Sarosh, Maqsood Ahmed Khan, Rasheeda Fatima, Zeb-un-nisa, Analgesic Action by Neuroleptics in Diabetic State, Journal of Bioequivalence & Bioavailability, 29-32: 2018
65. Sameena shah,Fatima Jehangir,” Frequency and features of nocturnal enuresis in Pakistani children aged 5 to 16 years based on ICCS criteria: a multi-center cross-sectional study from Karachi, Pakistan” Bahria Medical College Family Practice,2018,19:1-9.
66. Sana Ikram, Nuzhat Hassan, Saeeda Baig, Zohaib Akram. Effect of local probiotic (Lactobacillus reuteri) versus systemic antibiotic therapy as an adjunct to non-surgical periodontal treatment in chronic periodontitis Journal of investigative and clinical dentistry Nov. 2018.
67. Sofia Amjad, Amara Zafar , Maria Habib , Mussarat Ashraf , Rehana Rehman “Impact Of Antioxidants And Pro-Oxidants On Female Fertility “Pakistan Journal Of Medicine and Dentistry,2018,7 (03):9-12
68. Sumera Shaikh,Saba Jamal,Fatima Mairaj “Frequency of ABO Blood Group Discrepancies and its Classification into Groups in Tertiary Care Hospital Karachi” PJMD,2018,VOL 7(04),13.
69. T. Assad, R. A. Khan, M. Ali. “Effect of Trigonella foenum-graecum Linn. seeds methanol extract on learning and memory.”,Metab Brain Disease,2018,33(4):275-1280.
70. Wadhva RK, Haque MM, Luck NH, Tasneem AA, Abbas Z, Mubarak M, Diagnostic Accuracy of Aspartate Aminotransferase to Platelet Ratio Index and Fibrosis 4 Scores in

Predicting Advanced Liver Fibrosis in Patients with End-stage Renal Disease and Chronic Viral Hepatitis: Experience from Pakistan, *J Transl Int Med*, 6 : 38-42; 2018, IF: 0.48

71. Wasfa Farooq, Sumaiya Aijaz , Anum Mari, Muneeb Shahid, Saeeda Baig, Moazzam Ali, Developing interest in evidence based medicine through basic genetic research in undergraduate medical students., *PJMD*, 32-36; 2018
72. Wranke A, Pinheiro Borzacov LM, etal. Hepatitis Delta International Network. Clinical and virological heterogeneity of hepatitis delta in different regions world-wide: The Hepatitis Delta International Network (HDIN), *Liver International(LI)* 2018; 38: 842-8
73. Zeba,Ahmed,Khalid Hussain Mahida,Zill-e-Huma,Tariq Muhammad' Complications of open Surgical Tracheostomies and Their Management-Our Experience, *Pak Armed Forces MedJ*,2018,68(6):1642-47
74. Anum Hafeez and Mohammad Iqbal, Mean difference between Transcutaneous and serum bilirubin measurements, *The Pakistan Journal of Medicine and Dentistry*, Vol 8 No 2, 2018.
75. Ahmad F, Danish SH, Ashfaq A, Naz Sharmeen, Basit RA. General Practitioners' Knowledge Regarding Functional Dyspepsia. *PJMD* 7(2):42-6, 2018.
76. Sorathia S, Anwar FS, Rehman T, Danish SH, Ahmad F. Perceived weight status and weight management intentions of adults: a cross-sectional study in Pakistan. *PJMD* 7(3):65-70, 2018.
77. Iqbal Nusrat, Ahmad F. Healthcare Providers' Knowledge and Frequency of Healthcare-associated Infections in Secondary Level Hospitals of Karachi. *Inf Dis Journal* 2018; 27 (2): 38-44
78. Reza Z, Jadoon HK, Danish SH, Kazmi SAF, Ahmad F. Student's opinion regarding teaching methods: A survey amongst MBBS and BDS students of a private Medical University in Karachi. *J Pak Med Assoc* 2018;68(8):1281-84.
79. Ahmad F, Danish SH,General practitioners knowledge regarding functional dyspepsia *Pak J Medicine and Dentistry* 2018;6(02).
80. Salim E, Zubairi AM, Danish SH.Diagnostic Accuracy of Risk of Ovarian Malignancy Algorithm (ROMA) in Post-Menopausal Patients with Ovarian Mass 2018;28(6):440-444
81. Ahmad F, Danish SH,Ashfaq A, Naz Sharmeen, Basit RA. General Practitioners' Knowledge Regarding Functional Dyspepsia. *PJMD* 2018; 7(2):42-6
82. Sorathia S, Anwar FS, Rehman T, Danish SH, Ahmad F. Perceived weight status and weight management intentions of adults: a cross-sectional study in Pakistan. *PJMD* 2018; 7(3):65-70
83. Mr. Ali Farhad (ZCRS), Ms Sumaira Imran Farooqui (ZCRS), Dr. Sofia Amjad (ZMC) and Ms. Amna Aamir Khan (ZCRS) , Rehabilitation Dep, Role of structured and supervised Exercise Programs in Peripheral Artery Disease patients with and without claudication-A Systematic Review and Meta-analysis "Journal of Pakistan Medical Association (2018)

2017

1. Ahmad I, Sabah A, Anwar Z, Arsalan A, Qadeer K, Arif A. Effect of Solvent Polarity on the Extraction of Components of Pharmaceutical Product Plastic Containers. *Pak. J.Pharm. Sci.*, 30 (1), 247-252 (2017)
2. Ain N, Bano N, Beg AE, Hameed K, Fayyaz TB, Sadaf R. Therapeutic properties of *Andrographis paniculata* on oxaliplatin induced hematological toxicity in rats. *Professional Med J*; 24(2): 342-346 (2017)
3. Ali H, Zafar F, Shaukat A, Alam S, Ali U, Shareef H, Narrow therapeutic index drugs; perception, practice, facts and knowledge of healthcare professionals in identification and management of interactions. *Professional Med J*; 24(4):596-606 (2017)
4. Ali K, Sial AA, Baig MT, Ansari SH, Adil SO, Shamsi TS, Farzana T Evaluation of the acute biochemical changes and incidence of viral and mycobacterium manifestation associated with CHOP with or without rituximab in diffuse large B-cell lymphoma patients. *Research in Pharmacy and Health Sciences*; 3(3); 359-366 (2017)
5. Ansari S, Mushtaq N, Arif S, Ahmed A, Akhtar S, Munawar R, Naseem H, Meer S, Saify ZS, Arif M, Leghari Q Synthesis, Pharmacological Evaluation and In-Silico Studies of Some Piperidine Derivatives as Potent Analgesic Agents. *J Developing Drugs* 6: 170. doi:10.4172/2329-6631. (2017)
6. Aslam M, Nasir A Antidepressant-like activity of ethanol extract of *Ganoderma lucidum* (reishi) in mice. *International Journal of Medical Research & Health Sciences*, 6(5): 55-58 (2017)
7. Baig MT, Sial AA, Huma A, Ahmed M, Shahid U, Syed N, Irrational antibiotic prescribing practice among children in critical care of tertiary care hospitals. *Pak. J. Pharm. Sci.*, Vol.30, No.4(Suppl), pp.1483-1489 (2017)
8. Din Fu, Choi JY, Kim DW, Mustapha O, Kim DS, Thapa RK, Ku SK, Youn YS, Oh KT, Yong CS. Irinotecan-encapsulated double-reverse thermosensitive nanocarrier system for rectal administration. *Drug Delivery*, 24:502-510. (I.F 4.843) (2017)
9. Fayyaz TB, Memon Z, Baig MT, Ain N, Aziz MS. Hematologic toxicosis; induced by doxorubicin protective effects of combination of *Olea europaea* and *ginkgo biloba*. *Professional Med J*; 24(5): 751-756 (2017)
10. Fayyaz TB, Memon Z, Baig MT, Ain N. Extract of Olive (*Olea europaea* L.) cures hematologic toxicosis induced by Doxorubicin. *FUUAST J. BIOL.*; 7(1): 75-79 (2017)
11. Hasnain H, Ali H, Zafar F, Akbar AS, Hameed K, Shareef H, Mallick N, Tariq A, Fatima R. Drug-drug interaction; facts and comparisons with national and international benchmarks; a threat more than a challenge for patient safety in clinical and economic scenario. *Professional Med J*; 24(3):357-365 (2017)

12. Khan MA , Sial AA, Ali SI , Nisa Z , Fatima R, Mairaj M, Khan A, Ahsan M. Prescribing trend of drugs utilized in ischemic heart disease (IHD) management in a tertiary care hospital in Karachi. *World J Pharm Research*, 6(3), 87-95 (2017)
13. Khan MA, Ali SI, Alam S, Rizvi M, Mairaj M, Farooq I, Khan A, Ahsan M, Fayaz M, Hussain M, Akram M. Assessment of Direct Cost of Treatment of Ischemic Heart Disease Patient in Tertiary Care Hospital in Karachi. *J. Bioequiv & Bioavail*, 9: 353-358 (2017)
14. Khan S, Zafar F, Ali H, Shafiq Y, Mallick N, Maroof K, Qureshi SM, Nisa Z, Baloch SA, Fatima R, Naqvi GR Statistical assessment of drug release kinetics and formulation attributes of meloxicam tablets available in Pakistan. *Lat. Am. J. Pharm.* 36 (2): 366-72 (2017)
15. Mustapha O, Kim KS, Shafique S, Kim DS, Jin SG, Seo YG, Youn YS, Oh KT, Yong CS, Kim JO, Choi HG. Comparison of three different types of cilostazol-loaded solid dispersion: Physicochemical characterization and pharmacokinetics in rats. *Colloids and Surfaces B: Biointerfaces*, 154:89-95. (I.F 4.125) (2017)
16. Qureshi SM, Zafar F, Ali H, Alam S, Shafiq Y, Khan S, Baloch SA, Maroof K. Xanthine Oxidase Inhibitor Febuxostat: Quality Comparisons and Release Kinetic Profile. *J App Pharm Sci*; 7(2): 223-227 (2017)
17. Shadmani A, Rizwani GH, Ahmed M, Potential analgesic effect of *Cissus quadrangularis* L. and *Lepidium sativum* L. along with their combination extracts. *IJPCBS*, 7(2), 122-127 (2017)
18. Tanwir S, Sabah A, Subhani S, Jaffery R, Zeb M, Haroon S, Hashmi S, Ahmed FR. Resistance Pattern of Clinical Isolates of *Enterococcus* SPP. Against Vancomycin and Various Selected Antimicrobials Over 4 Years in A Multicenter Tertiary Care Hospital in Karachi. *Annals of Punjab Medical College*; 11(1):10-14 (2017)
19. Zafar F, Ali H, Maroof K, Shah SN, Naqvi GR, Bushra R, Shafiq Y, Alam S, Naveed S, Khan S, Qureshi MS. In Vitro Release Kinetics and Stability Profile of Fast Dispersible Flurbiprofen 100 Mg Tablets, *Lat. Am. J. Pharm.* 36 (1): 75-85 (2017)
20. Assessment of Patient's Knowledge and Need for Awareness about Non-Steroidal Anti-Inflammatory Drugs used in Ziauddin Hospital". *International journal of Dental Research and oral Sciences* 2.1(2017):26-30
21. Assessment of Patient's knowledge and need for awareness about NSAIDs used in Ziauddin Hospital. Sumera Nawaz Qabulio, Ayesha Khan Jadoon, Muhammad Fahad Zakir, Sohail Akhtar, Farzeen Tanveer, Omar Jehangir. *International Journal of Dental Research and Oral Sciences*. Vol 2, 1 June 2017
22. Controlling Nosocomial Infection Through Clinical Staff Education. Ansari S, Ghori U, Hussain N, Gul R. *Pak Jour of Med and Dentistry* 2017;6(3):42-47
23. Frequency of stroke with relation to modifiable risk factors with an emphasis on hypertension: in a Karachi based tertiary care hospital. Sumera Nawaz, Mubashir Riaz, Faisal Ziauddin, Farzeen Tanveer, Omer Jehangir, Amel Alvi. *Advanced Surgical Research* Vol 1, Issue 1, 2017

24. Reversible Vision Loss In A Patient With Infective Endocarditis. Zaidi S, Abubakr, Ghori U. Pak Jour of Med and Dentistry 2017;6(3):51-53
25. Congenital Orbital Teratoma with Unilateral Proptosis” Dr. Talat Mirza. Journal of the College of Physicians and Surgeons Pakistan 2017, Vol. 27 (S1):S61-S62.
26. Detection of interleukins-6 and 8 in saliva as potential biomarkers of oral premalignant lesion and oral carcinoma: A breakthrough in salivary diagnostics in Pakistan” Dr. Talat Mirza. Pakistan Journal of Pharmaceutical Sciences. 2017, Vol. 30 (3):817-823.
27. Ductal Increased Tumour Infiltration of CD4+ and CD8+ T-Lymphocytes in Patients with Triple Negative Breast Cancer Suggests Susceptibility to Immune Therapy” Pakistan Journal of Pharmaceutical Sciences. 2017, Vol. 30 (3):817-823. Dr. Talat Mirza
28. Ductal variant of prostate adenocarcinoma harbor Xenotropic murine leukemia virus related virus (XMRV) infection: a novel finding in subtype of prostate cancer” Dr. Talat Mirza, Dr Faraz Baig. Turkish Journal of Urology. 2017.
29. Effect of Methanol Extract of Swertiachirata on Various Cellular Components of Blood in Rats Muneeza Lodhi, Zahida Memo, ShehlaShaheen and Ambreen Wasim. International Journal of Medical Research & Health Sciences, 2017, 6(8): 59-64
30. Lead-induced morphometric changes in the kidneys of albino rats ameliorated by ginkgo biloba extract (EGb 761).” Dr. Talat Mirza. The Journal of the Pakistan Medical Association 2017, Vol. 67 (1):58-65.
31. Nasal neuroglial heterotopia in a 14 year old boy” Dr. Talat Mirza. Otolaryngology Online Journal 2017 Volume 7 Issue 2: 149.
32. N.Shahid, S.M.Omair, M.W.Munir, M.F.Shamim, M.Zulhaque, “Comparative Analysis and Accuracy of a devised automated Non Invasive Blood Pressure Monitor Based on Oscillometric method”, (Indian Journal of Science and Technology, Volume 10 Issue 3, January 2017).
33. Samreen Amir, “Comparative Analysis for Effectiveness of Musical and Ultrasound PWD Mode Signal to Stimulate the Fetal Response”, (2017), In 38th PIERS St. Petersburg, Russia.
34. Samreen Amir, Adnan Waqar, Muhammad Ismaeel” An innovative application of virus taxonomy and nomenclatures in the information technology", Journal of Wireless Personal Communications, WIRE-D-16-01417R1(2017)
35. Muneeza Lodhi, Zahida Memo, ShehlaShaheen and Ambreen Wasim “Effect of Methanol Extract of Swertiachirata on Various Cellular Components of Blood in Rats” International Journal of Medical Research & Health Sciences, 2017, 6(8): 59-64
36. Farhat, Mirza, Ishtiaque Ali Langa, Qudsia, Hassan ”Fire Arm Weapon Injuries in Karachi in Relation to Mortality & Morbidity and 8 years study from 2007-2014”, Pakistan Journal of Medicine and Dentistry, 2017, 6(01)

37. Qudsia Hasan, Allah Rakha, M. Zahid Bashir "Aspartic Acid Racemization with Correlation to Age: A Forensic Perspective", Journal of the College of Physicians and Surgeons Pakistan, 2017, 27 (5); 283-287,
38. Shahid MA, Baig S, Zubairi AM, Ahmed F. "Nephrouria: an early diagnostic biomarker for diabetic nephropathy" PJMD, 2017.
39. Syed Sohail Abbas , Saeeda Baig, Asma Niaz Khan, Sajjid Sattar, Syeda Abia Naqvi. "Low Trauma Fractures and Osteoporosis in Men: Early Onset Owing to Sedentary Lifestyle". Med. Forum. Vol. 28, 44-47. 2017
40. Mueeza Lodhi, Zahida Memon & Shehla Shaheen, "The Herbal cure for Epilepsy: An Overview Pakistan" Journal of Medicine & Dentistry, 2017; 6(03):48-53.
41. Dr. Talat Mirza, Dr Faraz Baig., Ductal variant of prostate adenocarcinoma harbor Xenotropic murine leukemia virus related virus (XMRV) infection: a novel finding in subtype of prostate cancer" Turkish Journal of Urology. 2017.
42. Naila Irum Hadi, Qamar Jamal, Ayesha Iqbal, Fouzia Shaikh, Saleem Somroo, Syed Ghulam Musharraf. Serum Metabolomic Profiles for Breast Cancer Diagnosis, Grading and Staging by Gas Chromatography-Mass Spectrometry. Scientific Reports. 2017; 7: 1715. DOI:10.1038/s41598-017-01924-9.
43. Sadaf Fatima, Shazia Hashmat, Syed Tousif Ahmed, Clinical Relevance of Physiology Objective in Dental Practice Pak J Med Dent 2017; Vol.6 (03):32-35.
44. Uzma Najam, Syed Tousif Ahmed, Rubina Ghani, Ahsan Suleman, Association of Hepatitis G with liver dysfunction with respect to genotype 2 & 3 in treatment responder hepatitis C patients, European Journal of Biotechnology and Bioscience, Volume 5; Issue 2, March 2017; Page No. 13-16
45. Uzma Najam, Syed Tousif Ahmed, Rubina Ghani, Nousheen Zehra Ahsan Suleman Association of hepatitis G with liver dysfunction in treatment responder hepatitis C patients, European Journal of Biotechnology and Bioscience, Volume 5; Issue 2, March 2017; Page No. 70-74
46. Determining outcome of LSVT in Patients having Parkinson's disease – A Meta-Analysis. Pakistan Journal of Rehabilitation 2017
47. Amna Aamir Khan, Special Report- Significance of Transtheoretical Model. Pakistan Journal of Rehabilitation. 5(1) 2017
48. Ali Farhad Effects of myofascial release & vapocoolant spray with stretch technique on upper trapezius trigger points. . Pakistan Journal of Rehabilitation. 5(2)
49. Amina Siddiqui The Essence of re/Habilitation. Pakistan Journal of Rehabilitation. Volume 5, Issue 1
50. Amna Aamir Khan Special Report- Significance of Transtheoretical Model. Pakistan Journal of Rehabilitation. 5(1)

51. Amna Aamir Khan, Ghazala Noor Nizami, Qurat ul Ain Adnan, Effects of Buteyko Breathing Technique and Conventional Physical Therapy in Adult Bronchial Asthma: A Randomized Control Trial. *Pakistan Journal of Rehabilitation*.6(1)
52. Beenish Zafar Perception of Medical Students Regarding Medical Ethics Teaching in their Curriculum. *Pakistan Journal of Rehabilitation*.6(1)
53. Beenish Zafar Risk of cardiac diseases due to hypertension during treadmill exercises among ectomorph. *Pakistan Journal of Rehabilitation*.5(2)
54. Farah Iqbal Erb's Palsy: Do something today that your future could thank you for: *Pakistan Journal of Rehabilitation*.5(2)
55. Ghazala Noor Nizami, Nazish Rafique, Analysis of level of both students in physical therapy students. *Pakistan Journal of Rehabilitation*.4(1)
56. Ghazala Noor Nizami, Nazish Rafique, Effect of Motor Relearning Program on Quality of Life among Stroke Patients: A Systematic Review. *Pakistan Journal of Rehabilitation*.5(2)
57. M. Abid Khan Compare the effect of body weight supported treadmill training with over-ground gait training on balance in spastic cerebral palsy. *Pakistan Journal of Rehabilitation*.5(2)
58. M. Usman Khan, Saad Saleem, Comparison of trigger point pressure release with ultrasound therapy to decrease rhomboids trigger points pain. *Pakistan Journal of Rehabilitation*.5(2)
59. Nabeel Baig Association of BMI on temporal-spatial parameters of gait in young adults. *Pakistan Journal of Rehabilitation*.5(2)
60. Nabeel Baig The use of visceral mobilization therapy to relieve low-back pain. *Pakistan Journal of Rehabilitation*.5(2)
61. Qurat ul Ain Adnan Comparative study on the efficacy of Frankel's exercises and balancing exercises in patients with cerebellar dysfunction. *Pakistan Journal of Rehabilitation*.5(2)
62. Sumaira Imran farooqui Assessment of Hamstring flexibility retention through sit and reach box in university. *Pakistan Journal of Rehabilitation*. 5(1)
63. Sumaira Imran farooqui Assessment of Hamstring flexibility retention through sit and reach box in university. *Pakistan Journal of Rehabilitation*. 5(1)
64. Sumaira Imran farooqui, Amna Amir Khan, More Enabling Approach: A Challenge for the Practitioners - A Critical Review. *Pakistan Journal of Rehabilitation*. 5(1)
65. Sumaira Imran farooqui, Amna Amir Khan, M, Usman Khan, Effects of Cardiac Rehabilitation on the Functional Capacity and the Hemodynamic Parameters of Patients with CVD Using 6MWT. *Pakistan Journal of Rehabilitation*. 6 (1)
66. Zulekha Saleem Assessment of hamstring flexibility retention through sit and reach box in university students with non-specific low back pain. *Pakistan Journal of Rehabilitation*.5(1)

67. Amina Siddiqui Cleft Lip and Palate. Pakistan Journal of Rehabilitation. Volume 4, Issue 2
68. Amina Siddiqui Research Report – Case Study : Use Of An Alternative And Augmentative Communication System For A Child With Cerebral Palsy. Pakistan Journal of Rehabilitation
69. Amina Siddiqui the Essence of Rehabilitation. Pakistan Journal of Rehabilitation. Volume 5, Issue 1
70. Saad Saleem Pulmonary Rehabilitation in COPD "Undeveloped Intervention in Pakistan". Pakistan Journal of Rehabilitation.6(1)
71. Saad Saleem, Hakim Ullah, Effectiveness of Physical Therapy to Improve the Functional Status and Pain in Chronic Knee Osteoarthritis Patients Referred for Total Knee Replacement Surgery. Pakistan Journal of Rehabilitation.6(1)
72. Saad Saleem, Nabeel Baig, Physiotherapy Interventions for a Traumatic Brain Injury Patient; A case study. Pakistan Journal of Rehabilitation.4(4)
73. Momin A, Samina B, Uzma G. , Management of Dengue Infection; A prospective Study Highlighting the Effect of Silymarin on Liver Function Test. Palliat Med Care(2018)5(4):1-7 , DOI:<http://dx.doi.org/15226/2374-8362/5/4/00171>
74. FU Din, Fakhar, Dong Wuk Kim, Ju Yeon Choi, Raj Kumar Thapa, Omer Mustapha, Dong Shik Kim, Yu-Kyoung Oh Irinotecan-loaded double-reversible thermogel with improved antitumor efficacy without initial burst effect and toxicity for intramuscular administration. Acta Biomaterialia 54: 239-248. (2017)
75. Hanif T, Ahmad F, Ashfaq A, Danish SH. Cross Sectional survey on Maxillofacial Injuries in Road Traffic Accidents in Karachi. PJMD 2017;6(2):24-8
76. Shahid MA, Baig S, Zubairi AM, Ahmad F. Expression of Nephrin in Early Diagnosis of Diabetic Nephropathy. PJMD 2017;6(2):3-7
77. Ahmad F, Qazi I. How ethical is our research ethics? A point to ponder (Editorial). PJMD 2017;6(2):1-2
78. Danish SH, Reza Z, Sohail AA. Case reports and their importance in Medical Literature. J Pak Med Assoc 2017;67
79. Hanif T, Ashfaq FA, Danish SH. Cross Sectional Survey on Maxillofacial Injuries in road traffic accidents in Karachi. situations. Pak J Medicine and Dentistry 2017;6(2):23.
80. Ali H, Shah SA, Ahmad F, Danish SH, Azam K, Mir F, Rehman W. the frequency of Body Dysmorphic disorder in female university students. Pak J Medicine and Dentistry 2017;6(01).

2016

1. Ali H, Shoaib M.H, Zafar F, Naveed S, Hanif M, Naz A and Siddiqui S. Pharmacokinetic Evaluation Of Modified Release Formulations Of Diclofenac Potassium Tablets Prepared For IVIVC Studies. *Latin American Journal of Pharmacy* 35 (4): 805-12 (2016)
2. Ali H, Zafar F, Naveed S, Shah S.N, Baloch S.A, Naqvi G.R and Siddiqui S. Awareness of pharmacovigilance and adverse drug reporting system in Pakistan: pharmacy students and professionals approach and facts. *The Professional Medical Journal*. 23(1): 085-092 (2016)
3. Aslam M, Ali M, Mushtaq D, Zaid M, Riaz M, Nasir A. Parent-based self-medication in Pakistani children: a qualitative cross-sectional survey. *Bangladesh J Med Sci.*; 15: 33-38 (2016) (SCImago Impact 0.07).
4. Aslam M. Forced swim test in mice: A common animal model of depression. *Bangladesh J. Pharmacol.*; 11: 28-29 (2016)
5. Aslam M. Tail suspension test to evaluate the antidepressant activity of experimental drugs. *Bangladesh J. Pharmacol.*; 11: 292-294 (2016)
6. Bushra R, Shoaib M.H, Ali H, Zafar F, Shafiq Y and Aslam N. In vitro drug analysis and stability studies of optimized formulations of aceclofenac (100 mg) tablets. *Lat. Am. J. Pharm.*, 35 (4): 695-704 (2016)
7. Bushra R, Sial A.A, Rizvi M, Shafiq Y, Bano N, Aslam N. Sensitivity pattern of ceftriaxone against different clinical isolates. *Pak J Pharm Sci.*, 29(1), 249-253 (2016)
8. Hasnain H, Ali H, Tariq A, Zafar F and Naveed S. NSAIDs; Safety and Risk Assessment in CVS Events, Comparisons and Facts. *Journal of Bioequivalence & Bioavailability*. 8(2): 084-088 (2016)
9. Jahan S, Akhtar S, Kamil A, Mushtaq N, Arif M, Saify, Z.S Analgesic Activity of Alkyl Piperidine Derivates *Pak. J. Pharm. Sci.*, Vol. 29, Issue 1, pp 77-82 (2016)
10. Kashif, M, Farya, Z, Huma, A, Shabana, N, S, Bushra, R, Safila, N, Saquib, M, Q, Sohail, K, Shehla, S 1 Development and optimization of the fast dispersible flurbiprofen 100 mg tablets by central composite design. *Lat. Am. J. Pharm.*, 35 (4): 685-94 (2016)
11. Maroof K, Zafar F, Ali H, Naveed S, Shah S.N, Khan F.A and Siddiqui S. Development And Optimization Of Fast Dispersible Flurbiprofen 100mg Tablets By Central Composite Design. *Latin American Journal of Pharmacy*. 35 (4): 685-94 (2016)
12. Muhammad N, Khan A, Saeed M, Khan H, Khan S.S, Shareef H, Safiullah, Khan Z, Farooq U, Zahoor M. Fixed Oil Composition and Biological Screening of *Viola betonicifolia* in different solvents. *J. Chem. Soc. Pak.*, 38(1); 115-121 (2016)
13. Mustapha O, Kim K.S, Shafique S, Kim D.S, Jin S.G, Seo Y.G, Youn Y.S, Oh K.T, Lee B-J, Park Y.J Development of novel cilostazol-loaded solid SNEDDS using a SPG membrane emulsification technique: Physicochemical characterization and in vivo evaluation. *Colloids and Surfaces B: Biointerfaces*; 150: 216-222 (2016)

14. Mustapha O, ud Din F, Kim D.W, Park J.H, Woo K.B, Lim S-J, Youn Y.S, Cho K.H, Rashid R, Yousaf A.M, Kim J.O, Yong C.S & Choi H-G. Novel piroxicam-loaded nanospheres generated by the electrospraying technique: physicochemical characterisation and oral bioavailability evaluation. *Journal of Microencapsulation: Micro and Nano Carriers* DOI:10.1080/02652048.2016.1185475. (2016)
15. Nasir A, Aslam M and Sial AA Anxiolytic-like activity of ethanol extract of *Ganoderma Lucidum* (Reishi) in mice. *Int J Med Res Health Sci.*, 5(6):57-60 (2016)
16. Naveed S, Waheed N, Ashraf Z, Nazeer S, Qamar F, Dilshad H, Zafar F and Ali H. Effect of Acid and Base of Different Brands of Mefenamic Acid by UV Spectrophotometric Method. *Asian Journal of Chemistry.* 28 (2): 444-446 (2016)
17. Naveed S, Waheed N, Ashraf Z, Nazeer S, Qamar F, Dilshad H, Zafar F and Ali H. Effect of Heat, Time and UV Light on Different Brands of Fluconazole by UV Spectrophotometric Method. *Asian Journal of Chemistry.* 28 (2): 447-449 (2016)
18. Yousaf A.M, Mustapha O, Kim D.W, Kim D.S, Kim K.S, GjuJin S, Yong C.S, Youn Y.S, Oh Y-K, Kim J.O, Choi H-G Novel electrosprayed nanospheres for enhanced aqueous solubility and oral bioavailability of poorly water-soluble fenofibrate. *International Journal of Nanomedicine*;11, 213 – 221 (2016)
19. Zahid H, Rizwani G.H, Khalid L, Shareef H. Comparative profile of *Hibiscus schizopetalus* (Mast) hook and *Hibiscus rosa-sinensis* L. (Malvaceae). *Journal of Pharmacognosy and Phytochemistry*; 5(1): 131-136 (2016)
20. Aggressive giant cell tumor of anterior rib with intra or extrathoracic extension Dr Saad, DrShiza, DrJaideep *PJR* 26.4 2016
21. Atypical pneumonia in immunocompromised patients HRCT evaluation.(Dr Rahila Usman) published in issue 64,3 of *PJR* ,vol 26 no. 3 (2016)
22. Diagnostic accuracy of MRI DWI sequence for diagnosis of brain abscess.(Dr Saad Ahmed) published in issue 64.4 of *PSR* vol 26, no 4 (2016)
23. Diagnostic accuracy of ultrasound B-Scan using 10 MHZ linear probes in ocularTrauma; results from a high burden country. (Dr Kashif Shaziee)*Pak J Med Sci* 2016;5 (4) : 184-186
24. Fibromatosis colli of infancy: A case report (Dr Sheeza Imtiaz) *PJR* Jan-March 2016; 26(1) : 47-49
25. Invasive fungal aspergillosis in immunocompromised patients published in *PJR* issue 26.4 2016
26. Knowledge, attitude and practice of Medical practitioners regarding Breastfeeding : A study at a tertiary Care hospital of Karachi. Ehsan S, Ghorri U, Agha F. *Pak Jour of Med and Dentistry.* 2016 Vol 5 (01).36-40
27. Scar endometriosis mimicking carcinoma MRI Findings *PJR* issue 26.4 Dr. Hasseb Dr. Jaideep, Dr. Kashif.2016

28. Asif, M., Khan, M.J., & Memon, A.Y. (2016). Integral Terminal Sliding Mode Control for Leader Follower Formation Control. *Robotica*
29. Safwan, M., Uddin, V. And Asif, M. (2016), Nonholonomic Mobile Robot Trajectory Tracking using Hybrid Controller. *Mehran University Research Journal of Engineering and Technology*, Vol. 35, No. 2, April 2016.
30. Samreen Amir, "Kinect Controlled UGV", *Journal of Wireless Personal Communication*, Springer Berlin Heidelberg, (2016), ISSN 0929-6212, DOI 10.1007/s11277-016-3915-3 .
31. Syed Nudrat Nawaid Shah, Nuzhat Hassan, M. Tameem Akhtar, Farah Ahmed, Syed Hasan Danish "Comparison of accuracy of child's gender specific fetal weight formula with Hadlock's, Shepard's and Aoki's fetal weight formulae in Pakistani population" *Med Forum*, 2016;27 (1):p28-32.
32. Ayesha Khan, Nikhat Ahmed, Beena Hasan, Shamim Mushtaq "Co and Contra-regulation of Glycosylated Proteins in Three Distinct Regions of Schizophrenics' brain" *Current Proteomics*,2016;13(3),187-195.
33. Bushra Wasim, Khalid M khan, Mohd Abdul Samad "Association between 25-Hydroxy Vitamin D and Volumetric breast Density via a fully automated software Volpara™ in the Reproductive age group" *PJMS*, 2016;32(5).
34. F. Shaikh · Q. Jamal · S. Baig ,N. Majeed "Correlation of hormone receptor and HER-2/neu expression with clinicopathologic parameters in primary breast tumors" *APJCP*,2016;17(7):3363
35. Fauzia Perveen ,Saeeda Baig,Mohiuddin Alamgir."Genotype Distribution of Human Papillomavirus in Warts" *BJMMR*,2016.
36. Fauzia Perveen · Saeeda Baig · Farah Ahmad · Numan Majeed. "Detecting Human Papillomavirus 6 & 11 in a Set of Pakistani Population" *BJMMR*,2016;28.
37. Fouzia Shaikh · Saeeda Baig · Qamar Jamal. "Do VDR Gene Polymorphisms Contribute to Breast Cancer? Mar 2016 · Asian Pacific journal of cancer prevention" *APJCP*,2016;17(2),479
38. Haya Mohammad, Naila Irum Hadi, Farah Ahmed, Shumaila Younus."Comparison of frequency of habits among different stages of oral submucous fibrosis" *PJMDent*,2016; 5(01):15-20.
39. Madeeha Sadiq, Kevin Joseph Jerome Borges, Sajid Sattar, Nuzhat Hassan, Rubina Hussain, Hina Naeem "Comparison of Performance of Risk Assessment Tools for Low BMD and Fracture Risk Identification in Pakistani Women" *JBUMDC*, 2017; 7(2):p107-113
40. Madeeha Sadiq, Nuzhat Hassan, Sajid Sattar, Rubina Hussain, Maaz Naqvi. "The WHO FRAX Calculator with and without BMD as an Indicator of Low BMD in Pakistani Women" *BJMMR*, 2016;18 (10).

41. Maria Mohiuddin, Arsalan Mansoor, Muhammad Ali, Nuzhat Hassan “Analysis of renal artery morphometry in adults: A study conducted by using Multidetector computed Tomography Angiography” PJMS, 2017; 33(4).
42. Maria Mohiuddin, Arsalan Mansoor, Muhammad Ali, Nuzhat Hassan “Morphometric Analysis of Normal renal Dimensions In Adults by Multidetector Computerized tomography Scan”. PJMD, 2017; 6(03)
43. Meraj Zehra, Shamim Mushtaq, Erum Zafar and Nikhat Ahmed. “ Towards An Integrative View Of Corneal Proteomics In Epithelial Wound Healing” PJMD, 2016; 5(3): 43-47.
44. Muhammad Lucky · Saeeda Baig. “DNA from Oral Rinse- A Comparison of Three Protocols for Amplification of VDR, FTO and Beta-Globin Genes” BBJ, 2016; 22: 199.
45. Naila Irum Hadi, Qamar Jamal. Comparison of clinic pathological characteristics of lymph node positive and lymph node negative breast cancer” PJMS, 2016; 32(4): 863-868.
46. Qamar A, Baig S, Asghar Ali , Nousheen Zehra and Muhammad Asif Memon. “Alteration in Salivary Parameters Lead to Oral Lesions among Chewable Tobacco User” Eu J Biotech Biosci 2016; 4(1),
47. Qamar A, Baig S, Asghar Ali , Nousheen Zehra and Muhammad Asif Memon. “Resting Salivary Flow Rate and pH Decreases in Chewable Tobacco Users” BJMMR, 2016; 11(3): 1-9.
48. S. Baig · S. Ahmed · H. Attique Reviewing a manuscript: Disparity amongst peer reviewers' priorities from basic health sciences and clinicians. JCPSP, 2016; 28(8): 677-680.
49. Saeeda Baig “Telomeres and pace of aging in the developing world” JCPSP, 2016.
50. Sanaa Mirza, Naila Irum Hadi, Saima Akram, Noor-ul-Wahab, Zuhaib Akram. Histopathological predictors of nodal metastases in oral squamous cell carcinoma. P JMD, 2016; 5 (3): 12-16.
51. Sanaa Mirza, Naila Irum Hadi. “HER gene family as a therapeutic target in oral squamous cell carcinoma” PJMD, 2016; 5(3): 43-46.
52. Shamim Mushtaq, Meraj Zehra, Aysha Khan and Nikhat Ahmed “Biological Association and Expressions of NOS3 & SOD2 in non-diabetic senile Cataractogenesis” Advances in Enzyme Research, 2016; 4: 87-97
53. Shumaila Younus, Naila Irum Hadi, Farah Ahmed, Haya Mohammad. “Role of chewing habits and cigarette smoking in differentiation of oral squamous cell carcinoma” PJMD, 2016; 5(3): 32-37.
54. Are you prepared to care for your loved ones: A cross sectional study to assess the level of preparedness among caregivers of chronically ill patients in a tertiary care hospital, at Karachi, Pakistan. Shireen Arif , Journal of nursing i-manager, Aug – Oct issue 2016.

55. Arif,S, Experiences of male nursing students about nursing education, at a private institution in Karachi, Pakistan. Shireen Arif, International Journal of Nursing Education, 2016, Oct-Dec, 8(4): 87-91.
56. Delegation, a Strategy to Prepare Second Line Nursing Management in Health Care Setting Amber Hussain Sayani, IJIRD November, 2016 Vol 5 Issue 13
57. Hammad Ahmed, Muhammad Aslam, Effect of Ganoderma lucidum (Reishi) on Hematological Parameters in Wistar Rats, International Journal of Medical Research & Health Sciences, 3 : 151-157 ; Journal (Thomson Reuters Indexed journal).
58. Ahmad F. Trained doctor managers: need of the hour (editorial). Pak J Health Solns 2016; 1 [1]:1-2
59. Dawood Z, Majeed N, Ahmad F, Dawood H, Danish SH. Realities behind Closed Curtains: A Cross Sectional Survey Among Women Hospitalized after Induced Abortion. Pak J Health Solns 2016; 1 [1]:3-7
60. Nazish S, Shehzad C, Danish SH, Qidwai MA, Ahmad F. Health Interaction and Consultation Outcome: Patients ‘experience at Tertiary Care Hospitals of Karachi. Pak J Health Solns 2016; 1 [1]:8-12
61. Percy DG, Danish SH, Ahmad F,Javied S, Jumani SA et al. Facebook: A platform for masquerade. Pak J Health Solns 2016;1 [1]:13-7
62. Qazi I, Zulfiqar A, Ahmad F, Danish SH. Effect of insurance status on consumer behavior towards purchasing prescribed medicines: a cross sectional survey among the general population of Karachi. Pak J Health Solns 2016; 1 [1]:18-23
63. Siddiqui A U, Azhar S, Ahmad F, Qidwai M A, Danish S H. Leadership qualities of managers working in the healthcare sector of Karachi. Pak J Health Solns 2016; 1 [1]:24-8
64. Ali M, Ahmad F, Danish SM, Qidwai MA. Comparison of Expanded program of immunization (EPI) coverage among children less than two years in rural and urban population of Hasilpur, Pakistan. Pak J Health Solns 2016; 1 [1]:29-33
65. Ahmad F, Waraich IS, Gichki NH, Malik S, Ali U. Human Population, Climate Change and Human Health. Pak J Health Solns 2016; 1 [1]:34-7
66. Shaikh MW, Ahmad F, Shaikh G, Danish SH, Makheja KD, Qidwai M A.Frequency of depressive and anxiety Symptoms among patients on interferon And pegylated interferon. Pak J Medicine and Dentistry 2016; 5(1): 3-10
67. Mohammad H, Hadi NA, Ahmad F ,Younus S. Comparison of frequency of habits among different stages of oral submucous fibrosis. Pak J Medicine and Dentistry 2016; 5(1): 15-20
68. Mohyuddin S, Ahmed ST, Zubairi AM, Ishtiaq S, Ahmad F, Amin F. Plasminogen activator inhibitor-1: Is it a risk factor for recurrent Miscarriage? Pak J Medicine and Dentistry 2016; 5(1): 11-4

69. Mahmud MK, Nizamani WM, Hussain N, Samoo ZK, Khan WA, Ahmad F, Danish SH. The Renal Ultrasound in Patients with Acute Kidney Injury. *British J MMR* 2016;13(7): 1-9
70. Shah SNN, Hassan N, Akhtar MT, Ahmad F, Danish SH. Comparison and accuracy of Child's gender based fetal weight formula with Hadlock's, Shepard's and Aoki's fetal weight formulae in Pakistan Population. *Med. Forum* 2016; 27(1):28-32.
71. Jamal MA, Dawani A, Danish SH, Qidwai M, Ahmad F. Determinants of employee Satisfaction: a survey of healthcare Workers of a group of hospitals in Karachi. *Pak J Medicine and Dentistry* 2016; 5(2): 23-7
72. Khan AI, Danish SH, Ashfaq A, Ahmad F, Warsi SM, Khan MP. Knowledge, attitude and practices of mothers regarding diarrheal risk factors and management in under 5 children: a cross sectional survey in Dadu and Badin districts of Sindh, Pakistan. *J Dow Uni Health Sci* 2016; 10(1):
73. Ahmed SM, Waheed MA, Ahmad F, Danish SH. Factors contributing to early menarche in school girls. *J Pak Med Assoc* 2016; 66(5): 629-33
74. Sattar S, Khan N, Ahmad F, Adnan F, Danish SH. Post-dialysis effects in patients on hemodialysis. *J Pak Med Assoc* 2016; 66(6): 781-88
75. Ali U, Yousaf I, Danish SH, Ahmad F, Hassan W. Worm infestation and associated factors in school children of district Zhob, Balochistan, Pakistan. *Pak J Physiol* 2016;12(1):18-21
76. Younus S, Hadi NI, Ahmad F, Muhammad H. Role Of Chewing Habits And Cigarette Smoking In Differentiation Of Oral Squamous Cell Carcinoma. *PJMD* 2016; 5(3):32-7.
77. Warsi SMA, Danish SH, Ahmad F, Khan AI, Khan MP, Bano S, Lohana V. Tuberculosis knowledge and health seeking behaviour: A tale of two districts of Sindh, Pakistan. *J Pak Med Assoc* 2016; 66(9): 1120-26
78. Perveen F, Baig S, Ahmad F, Majeed N. Detecting Human Papillomavirus 6 & 11 in a Set of Pakistani Population. *BJMMR* 2016;17(9):
79. Shaikh MW, Ahmad F, Shaikh G, Danish SH, Makheja KD, Qidwai M A. Frequency of depressive and anxiety Symptoms among patients on interferon And pegylated interferon. *Pak J Medicine and Dentistry* 2016; 5(1): 3-10
80. Mahmud MK, Nizamani WM, Hussain N, Samoo ZK, Khan WA, Ahmad F, Danish SH. The Renal Ultrasound in Patients with Acute Kidney Injury. *British J MMR* 2016;13(7): 1-9
81. Khoso M, Zaidi SMZH, Danish SH, Qidwai M, Ahmad F. Awareness of Donors regarding blood borne diseases. *MC* 2015; 21(4):51-4
82. Shah SNN, Hassan N, Akhtar MT, Ahmad F, Danish SH. Comparison and accuracy of Child's gender based fetal weight formula with Hadlock's, Shepard's and Aoki's fetal weight formulae in Pakistan Population. *Med. Forum* 2016; 27(1):28-32.

83. Bana KM,Ahmad F, Danish SH , Bana NF, Kazmi AR. Non communicable diseases and oral Health: introspection. Pak J Medicine and Dentistry 2016; 5(2): 38-44
84. Khan AI, Danish SH, Ashfaq A, Ahmad F, Warsi SM, Khan MP. Knowledge, attitude and practices of mothers regarding diarrheal risk factors and management in under 5 children: a cross sectional survey in Dadu and Badin districts of Sindh, Pakistan. J Dow Uni Health Sci 2016; 10(1):
85. Ahmed SM, Waheed MA, Ahmad F, Danish SH.Factors contributing to early menarche in school girls. J Pak Med Assoc 2016; 66(5): 629-33
86. Sattar S, Khan N, Ahmad F, Adnan F, Danish SH. Post-dialysis effects in patients on haemodialysis. J Pak Med Assoc 2016; 66(6): 781-88
87. Ali U, Yousaf I, Danish SH, Ahmad F, Hassan W. Worm infestation and associated factors in school children of district Zhob, Balochistan, Pakistan. Pak J Physiol 2016;12(1):18-21
88. Warsi SMA, Danish SH, Ahmad F, Khan AI, Khan MP, Bano S, Lohana V.Tuberculosis knowledge and health seeking behaviour: A tale of two districts of Sindh, Pakistan. J Pak Med Assoc 2016; 66(9): 1120-26

WORKSHOPS/WEBINARS & SEMINARS

Year	Workshops/Webinars/Seminars
2020	61
2019	49
2018	68
2017	29
2016	75
Total in 5 years	282



WORKSHOPS/WEBINARS/SEMINARS

2020

1. Medical University Journal: Myths and realities
2. Teaching strategies
3. Writing Learning Objectives
4. Align yourself to the Publishing Process
5. How to Write a Great Research Paper, and Get it Accepted by a Good Journal
6. Assessment and Feedback
7. Behavior management 4 handed dentistry empathy preventive measures diagnosis treatment planning pain control choice of material restorative options orthodontic options dental traumatology, dental radiology,clinical tips
8. CAPP/ CAD/CAM and digital dentistry international conference
9. Research Methodology
10. Flipped Education
11. Creating Interactive Lessons
12. Technology Integration in Education
13. Web 2.0 Tools for Teaching & Learning
14. Creating Digital Assessments
15. Effective Classroom Management in Google Classroom
16. Aligning Topics with Learning Objectives
17. Development of Learning Objectives
18. Development of MCQs
19. Yoga & Meditation to enhance Creativity
20. Developing one best MCQs
21. Developing one best MCQs
22. Developing one best MCQs
23. Developing one best MCQs

24. Developing one best MCQs
25. Adult Learning & Teaching
26. Developing one best MCQs
27. Telepractice in Speech & Language Therapy
28. Speech Language Pathologists in Post Stroke Rehab
29. Dysphagia
30. Stages of HandWriting in young children
31. Anxiety Management in COVID Times
32. Modern Methodology of Exercise and Training
33. ESSENTIALS FOR CBCT FOR DENTIST- Ziauddin University
34. Brookes Educational Transition Series
35. Critical thinking and its importance for students
36. Conflict management for teachers
37. CLIL: Content and Language Integrated Learning
38. Importance of STEM Education
39. Practical strategies for homeschooling
40. Constructivism in Education
41. Importance of Music in Education
42. Mastering Online Pedagogy
43. Learning Management: Physical versus Virtual
44. Technology integration into education
45. An Enquiry into Inquiry
46. Teach with STEM
47. Game based Learning in Modern Education
48. Opportunities for Social Entrepreneurship in Education
49. Adolescents and its challenges
50. High Scope- Ideas, events, materials and people

51. The Art of Storytelling
52. How to be an Editor?
53. Child Protection and Prevention (series of webinars)
54. Maintaining Mental Health in Schools (series of webinars)
55. Healing through Food
56. Mini CEX
57. Capacity Building with Educational Methodology Webinars
58. Capacity Building with Educational Methodology Webinars
59. Capacity Building with Educational Methodology Webinars
60. Teaching Strategies
61. Effective Feedback-II

2019

1. Seminar on Pulmonary Hypertension
2. Wound Management by Povidone Iodine
3. CACE Workshop-The art and science of hemodynamic monitoring-II
4. Short course on Laparoscopic procedures related to Gynecology
5. Neonatal Resuscitation
6. Role of Occupational Therapy in Lymphedema Management
7. Workshop on Objective Writing
8. Workshop on Communication Skills
9. Seminar on Down Syndrome
10. International Patient Safety Goal
11. Workshop for GP Training at Mithi
12. workshop on Biosafety
13. Workshop on Planning, Writing, Defending and Publishing Your Research
14. Teaching Strategies

15. Interpretation of Post hoc analysis
16. Workshop on development of one best MCQs
17. Introduction to Bioethics for consultants
18. Diagnostics and Disease Management Training Sessions
19. Screening and early diagnosis of GI cancers, WDHD 2019
20. Workshop: Who and when to refer for herpetology / liver transplantation
21. Clinical supervision of students-procedures and responsibilities of the supervising clinician.
22. Development of best MCQ
23. Workshop on Pediatric Dysphagia
24. 27th Clubfoot Ponseti Technique Hands on Training Workshop
25. A Seminar on Pediatric Cardiology
26. Seminar on Epilepsy Mini Fellowship
27. Seminar on Injection Safety
28. Workshop on Shoulder Arthroscopy
29. Vaccines save life
30. Workshop on Research Methodology
31. Pediatric Mechanical Ventilation Workshop
32. A comprehensive Approach to Breast Cancer Management
33. Awareness Session on Menopause and its significant impact on Physical and Mental Health
34. Workshop on Primary Trauma Care
35. Workshop One Best MCQs
36. 4th Pediatric MSK Trauma Course
37. Workshop on Lactation Management
38. NRP Workshop
39. A Workshop on comprehensive Interpretation of ECG
40. A unique natural history & modern day challenges in the management of Head & Neck cancers in Karachi
41. Workshop on Research Methodology

42. Techniques in Molecular Biology
43. Workshop on Injection Safety at College of Nursing
44. Research Methodology
45. Brand Management and Marketing, The College of Media Sciences
46. Neonatal Resuscitation Workshop by Pediatric Department and CME Department 1st Pediatric Intercampus CME by Pediatric Department
47. Teaching in Digital Age by Quality Assurance Department
48. Acute Flaccid Paralysis by Department of Quality Assurance
49. 2nd Pediatric Intercampus CME by Pediatric Department

2018

1. Workshop on Laparoscopic Hysterectomy
2. Occupational therapy procedures in UK
3. Lower back pain
4. Role of Moxifloxacin in Sinusitis - April
5. Common Eye Problems
6. Valvular Heart Disease
7. How to control infections in neonates
8. CTP-Classified Training Program Hepatitis C
9. Nursing Training Workshop
10. Colorectal Carcinoma
11. 7TH Skills and Drills workshop in Obstetrics
12. 3rd Medical Physics Workshop : Radiation Protection in the Design of Radiotherapy Facilities.
13. Role of Moxifloxacin in Sinusitis - Oct
14. CME on Management of Heat Stroke
15. Basics of Radiology
16. Role of Nutrition for Healthy Life

17. Pharmacovigilance: Evolving role in Pakistan
18. Managing Quality of Assessment in HEIs
19. Writing PBL Scenarios
20. Workshop on Post Hoc Analysis
21. Giving Effective Feedback
22. Development of one best MCQ for Faculty of Pharmacy
23. Management of Headaches
24. An Interactive CPE Workshop On Radiation Protection by PNRA
25. A CME on Sleep Disorders
26. CACE Program for Nurses
27. CME on Obesity
28. MCQ Development Workshop
29. Assessment Plan and TOS
30. Effective Feedback
31. Women Health Project
32. CME on Management of Stroke
33. Seminar on Occupational Therapy
34. Diabetes and its Management
35. Introductory Research Workshop for Postgraduate Students
36. Written Assessment Plan and Table of Specification by Pharmacology
37. Affective disorders in children with Autism and ADHD by Dr. Farah Asim
38. An introduction into Functional Communication Training (FCT) and Verbal Behavior by Mr. Braxton Dean Baker
39. Basic & Advanced Histological Techniques by Dr Rehan Ahmed
40. Development of valid and reliable research instrument Faculty of Pharmacy
41. Empowering Strategies for functional recovery by Ms. Neelum
42. Fundamental of Health Profession Education by Ms. Saima Ali

43. How to Write and Submit a Manuscript for International Journal by Ms Sumera A Ghani & Mr. Ali Farhad
44. How to write and submit a manuscript for internationals Journal by Ms. Qurat-ul-Ain Adnan
45. How to write and submit manuscript for international journal by Mr. Nabeel Baig Meta-Analysis, Research Council of Pakistan (RCOP), Faculty of Pharmacy
46. Organizer CME Pathology on National Health Research Agenda
47. Overview of Study Design & Sample Size calculation & Sampling Technique, Data Analysis by Dr. Farah Ahmed & Dr Danish Hassan
48. Post Hoc Analysis, by Pharmacology
49. Postoperative Management of Tracheostomy, Tracheostomy care, Tracheostomy suctioning & Hands on Practice (Sign off) by Mr. Asif Yousef,, Ms. Alia Nasir and Mr. Kaleem Sarfraz
50. Pre-Clinical Behavioral Paradigm, Faculty of Pharmacy
51. Pre-Conference workshop on Research Ethics , Pharmacology
52. Rehabilitation Challenges; Guidelines in Menopause by Prof. Rubina Hussain, Dr Sumbul Sohail & Dr Sabita Harish (Obs & Gyn)
53. Research made simple for Speech & Language Therapist by Dr Farooq Rathore (SLHS)
54. Research Methodology in Rehabilitation Translation, Clinical & Research Perspectives
55. Research Methodology: Training of the Trainers at Ziauddin University, North Campus
56. Scientific misconduct and plagiarism in research and writing by Ms. Ghazala Noor Nizamim, Ms. Kinza Mannal
57. Scientific writings in Medical Journals & Ethical Considerations for Conducting Human Research by Dr. Muhammad Adeel Parvaz
58. Stoma and Nursing Care:General Introduction on Stoma (A&P), its types and Indications Stoma and peristomal skin complications by Prof. Shafiq Ur Rehman
59. Stoma Care: Colostomy and Ileostomy (demonstration) (II) by Ms. Samina Jiwani , Ms. Khushboo Qaim Ali & Ms. Amber Hussain
60. Time management by Ms. Qurat-ul-Ain Adnan
61. Time Management by Timelenders by Ms Farah Batool
62. Tracheostomy & Nursing Care - General Introduction on Tracheostomy (A&P), its types and Indications Complications of Tracheostomy (Immediate, and late) by Prof. Khalid Mahida (Nursing)
63. Training of Molecular biology workshop for postgraduate students, by Pharmacology

64. Urinary incontinence- A Rehabilitation Perspective by Ms. Sumaira Farooqui
65. Urinary Incontinence -A Rehabilitation Perspective/Post HOC Analysis, by DED by Mr M. Usman
66. Urinary incontinence a rehabilitation perspectives by Ms. Qurat-ul-Ain Adnan
67. Visceral Mobilization: a hands on workshop by Mr. Nabeel
68. Visceral Mobilization Techniques by Dr.S.A.Mehdi Kazmi and Mr. Shahrukh Abbas

2017

1. Thyroid Disorders
2. 1st Skills and Drills Workshop
3. Neurotrauma Challenges and Emergency Response
4. 2nd Skills and Drills workshop
5. New Horizons in the treatment of Iron Deficiency Anemia
6. Muscular dysfunction
7. Modern Multidisciplinary approaches on Management of Prostate Cancer
8. Myths and facts-Chikungunya
9. 3rd Skills and Drills workshop
10. The role of Erythropoiesis- Stimulating agents
11. 4th skills and drills in Obstetrics
12. "CARE" certificate of advanced nursing excellence (module 3)
13. Webinar Preventing heart disease in diabetes
14. Approach to the patients with Hepatitis B and C
15. Critical Appraisal Workshop for Post graduates
16. Management of Patients with ENT problems
17. Postmenopausal Osteoporosis
18. Creating Effective presentations
19. 5th Skills and drills workshop
20. 6th Gynecological Symposium

21. Pulmonary Hypertension
22. 6th skills and drills workshops in obstetrics
23. Seminar on rheumatology
24. Role of folic acid in pregnancy
25. Approach to chronic diarrhea in children
26. LSVT Global
27. Polycystic Ovarian Syndrome
28. An interactive session on Acute Coronary Artery Disease
29. Seminar on Updates on NHL

2016

1. International Guidelines Surviving Sepsis
2. Workshop on STDs
3. Holistic approach to Backache
4. Operating MCQ Software
5. Critical Appraisal of a Research Manuscript
6. Holistic Approach to manage silent killer (HTN)
7. Operating Plagiarism Software (Turnitin)
8. An Approach to Acne Vulgaris
9. Workshop on Basic Diagnostic Hysteroscopy
10. Introduction to Mechanical Ventilator
11. Update on Obstetrics
12. Update on Pneumonia
13. GLP-1. Analogue and Modern Insulin in the management of DM
14. Enhancing Practices of Written Feedback
15. Breast Feeding Management
16. An approach to Acne Vulgaris

17. Functional Bowel Disorder
18. Prevention of AKI: Reno protective Strategies- 5Rs Approach
19. Respiratory tract infections
20. A Seminar on Evidence Based Physical Therapy Practices- A Growing Perspective
21. Data Searching and Reference Management
22. Breast Feeding Management
23. Umbilical Cord Care
24. 20th PSR Conference
25. Swine flu
26. Management of children with Autism
27. How to deal with preconception period
28. Headaches- Diagnosis and Management
29. MCQ Development Workshop
30. A Challenge to achieve effective hemostasis in patient with hemophilia
31. Pediatrics Intensive Revision Course
32. Perish or Publish
33. Healthcare Quality Event
34. Medicine Updates (multidisciplinary)
35. Stroke and its management in primary practice
36. Behavior and application of ethical decision making
37. Trends and issues in Healthcare System
38. Nursing Status and Image
39. Your Diet and Gut Health
40. Advance Nursing Excellence (CARE Workshop)
41. MRCOG Part 2 Course
42. Asthma Updates
43. Master training Workshop

44. Management of Viral Hepatitis-A Paradigm Shift
45. Advance Nursing Excellence (CARE Workshop) Module I
46. Update on management of Heart Failure for Primary Care
47. Management of Polycystic ovarian syndrome
48. Bariatric Surgery
49. Seminar on Children with Cleft lip and Palate
50. 4th Gynea and Fetomaternal medicine Symposium
51. Enigma unveiled of periodontology
52. Management of Cleft lip and cleft palate
53. Session on Rheumatology
54. Advance Nursing Excellence (CARE Workshop) Module I
55. Approach to trauma patients and hands on airway management
56. Early Detection of Breast Cancer
57. Retina Symposium (Multan)
58. Research Methodology
59. A Short Course on PET/CT
60. Aplastic Anemia
61. Encephalopathy
62. Interstitial lung disease
63. A short course on Cancer Nursing and care
64. Management of Atrial Fibrillation
65. International Patient Safety Goals
66. Pulmonary Hypertension
67. A Workshop on Surgical Skills
68. A short course on Android Development
69. Protein isolation, purification and quantitation of schizophrenic brain tissue.
70. Developing and a research question and hypothesis

71. Oncoplastic breast surgery: Lipomodelling-breast reconstitution by auto fat transplantation by Dr Kauser Rehaman
72. Genetic Markers for breast cancer: Vitamin D receptor (VDR) genes for breast cancer DNA accretion and quantification- PCR and agarose gel electrophoresis. by Dr Bushra Wasim & Dr Shamim Mushtaq
73. Workshop and summer training program by Dr Nikhat & Dr Shamim
74. Grant writing workshop for early career faculty by Tom Blumdell (UK)
75. Workshop on End Note by Dr Nikhat and Dr Shamim

CONFERENCES

&

SYMPOSIUMS

Year		Conferences & Symposiums
2020		2
2019		3
2018		5
2017		4
2016		2
Total in years	5	16



2020

1. 3rd Symposium on Emergency Medicine, “**Shaping the future of Emergency Medicine**” is going to be held on January 25, 2020 at Ziauddin Karachi, Pakistan.
2. First Multidisciplinary International Conference being hosted by Ziauddin University's Faculty of Liberal Arts and Human Sciences “**Diversity, Inclusion And Equity: Synergies And Challenges In The Wake Of Covid-19**” from 13-14 November 2020.

2019

1. 4th International Conference on “**Challenges in Drug Discovery and Therapeutics**” at Ziauddin University, Karachi by Faculty of Pharmacy.
2. 2nd Annual Symposium on “**Emergency Medicine**” at Ziauddin Hospital Clifton, Karachi by Emergency Medicine.
3. 2nd National Symposium on “**International Day of Medical Physics**” at Ziauddin Hospital.

2018

1. 3rd International Conference on “**Rehabilitation Translation, Clinical and Research Perspectives**” at Ziauddin University, Karachi by Faculty of Health Sciences.
2. 1st International Conference of Pakistan Society of **Oral & Maxillofacial Pathology** at Ziauddin University, Karachi by College of Dentistry.
3. 1st Symposium on Emergency Medicine “**Trauma Management**” at Ziauddin Hospital Clifton, Karachi by Emergency Medicine.
4. 7th International Symposium on “**Gynecology and Fetomaternal Medicine**” at Ziauddin University, Karachi.
5. 8th International Symposium on “**Gynecology and Fetomaternal Medicine**” Ziauddin Hospital.

2017

1. 2nd International Conference “**Bridging the Gap in Primary Health Care Innovations, Translation Beyond**” at Ziauddin University.

2. 4th International Symposium on “**Gynecology and Fetomaternal Medicine**” at Ziauddin University.
3. 5th International Symposium on “**Gynecology and Fetomaternal Medicine**” at Ziauddin University.
4. 6th International Symposium on “**Gynecology and Fetomaternal Medicine**” at Ziauddin University.

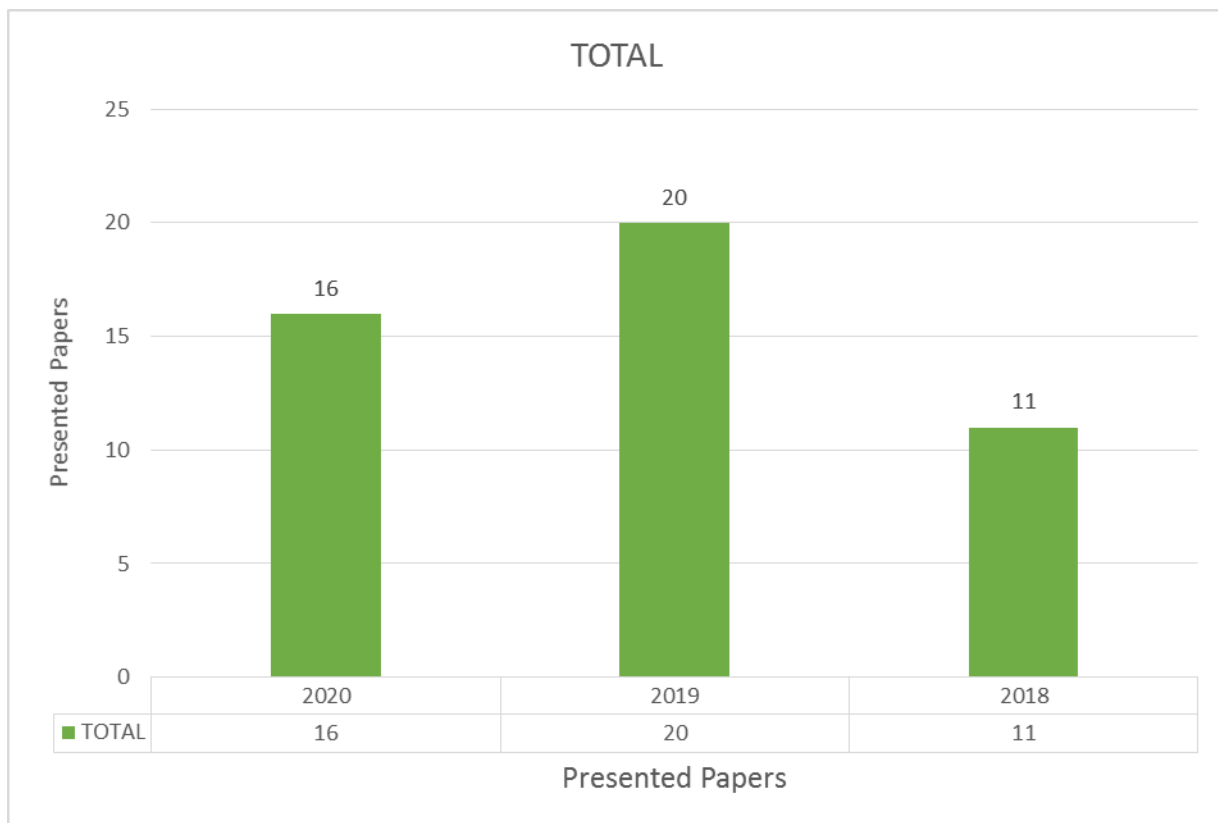
2016

1. 1st International Conference on “**Translational Medicine: From Discovery to Health Care (EUSTM)**” by Ziauddin University.
2. 4th International Symposium on “**Gynecology and Fetomaternal Medicine**” at Ziauddin University.

(ORAL/POSTER) PRESENTED PAPERS

PAPERS PRESENTED IN CONFERENCES

Year	Papers Presented
2020	16
2019	20
2018	11
Total in 3 years	47



2020

1. 2nd PROBE Conference Department of Physiology, University of Karachi. **Oral “ Zinc Preconditioning: A Strategy to Enhance the Functionality & Therapeutic Potential of Umbilical Cord Derived Mesenchymal Stem Cells.**07-09 Jan, 2020,Pakistan/ Karachi
Dr.Shumaila Usman, Research Department, Ziauddin University
2. 5th Hamdard International Conference Hamdard University Global popularity of alternative medicine, responsibilities and challenge **“Analgesic and anti-inflammatory potential of Crataeva adansonii DC: Scientific evidence to the folklore” Oral Presentation,** Faculty of Eastern medicine, Hamdard University Pakistan/Karachi. Tayyaba Mumtaz Ghazala H.Rizwani, Faculty of Pharmacy ,Department of Pharmacognosy, Ziauddin University.2020
3. 5th Hamdard International Conference Hamdard University Global popularity of alternative medicine, responsibilities and challenge **“Clinical randomized trial of a polyherbal Formulation for the treatment of PCOS” Oral Presentation,** Faculty of Eastern medicine, Hamdard University Pakistan/Karachi. Sumaira Ishaque Ghazala H.Rizwani Tayyaba Mumtaz, Faculty of Pharmacy, Department of Pharmacognosy, Ziauddin University.2020
4. Sumaira Ishaq, Ghazala H.Rizwani, Huma Shareef, Tayyaba Mumtaz.5th Hamdard International Conference: **global popularity of alternative medicine, responsibilities and challenges.** January 9-11, 2020 Organized by Faculty of Eastern medicine .Hamdard University, Faculty of Pharmacy, Department of Pharmacognosy, Ziauddin University.2020
5. 2nd National conference Jinnah Sindh Medical University Innovation in Pharmacotherapy and disease management Institute of Pharmaceutical Sciences,Karachi,Pakistan. **“Popularity Level of Medicinal Plants Showing Antidiabetic Activity”** Foqeha Shaikh , Bushra Hina , Huma Shareef , Tayyaba Mumtaz, Faculty of Pharmacy, Department of Pharmacognosy, Ziauddin University.2020
6. Crossing Boundaries, Expanding Horizons: Synergies and Challenges in the Wake of Covid-19, Faculty of Liberal Arts & Human Sciences **“Ow Limitations Breed Innovations: Communication renaissance in the wake of COVID-19.** Tehmina Lodi, Faculty of Liberal Arts & Human Sciences.Karachi,Pakistan ,Virtual Conference.2020
7. Crossing Boundaries, Expanding Horizons: Synergies and Challenges in the Wake of Covid-19, Faculty of Liberal Arts & Human Sciences **“Ow Limitations Breed Innovations: Communication renaissance in the wake of COVID-19.** Latif Abbassi, Faculty of Liberal Arts & Human Sciences.Karachi,Pakistan ,Virtual Conference.2020
8. Crossing Boundaries, Expanding Horizons: Synergies and Challenges in the Wake of Covid-19, Faculty of Liberal Arts & Human Sciences **“Ow Limitations Breed Innovations: Communication renaissance in the wake of COVID-19.** Ata Syed, Faculty of Liberal Arts & Human Sciences.Karachi,Pakistan ,Virtual Conference.2020

9. Neurology 2020 ,Scientific federation “**Establishing acute care occupational therapy**” Vancouver/Canada, Oral Presentation ,Neelum Zehra, Faculty of Health Sciences,ZCRS,Karachi,Pakistan, Virtual Conference.2020.
10. Reframe rare in Pakistan | Breaking silos and bringing synergies. Aga Khan University, Karachi, Pakistan“**Papillon-Lefèvre Syndrome: Detrimental Periodontal Condition in the Affected Individuals. – A case report** “Poster Presentation, Ayesha Hanif,College of Dentistry .2020
11. 2nd UHS International Dental ConferenceUHS, Lahore “ **Fighting airborne spread of COVID-19: An innovative, economical and effective high vacuum extra oral dental suction system (HVEDS) for dental practices**” “Poster Presentation, Ayesha Hanif,College of Dentistry .2020
12. British Society of Periodontology – Webinar series British Society of Periodontology “**Non-Surgical periodontal instrumentation 1 & 2**” “online webinar, attend Ayesha Hanif,College of Dentistry .2020
13. AMIED – Webinar series Association of Moroccan Implantologists and esthetic Dentists “**Prevention and management of complication in root coverage procedures**” online webinar, attend Ayesha Hanif,College of Dentistry .2020
14. Chair’s lecture series – Penn Dental Medicine Penn Dental Medicine “**Site specific approaches to treating gingival recessions**” online webinar, attend Ayesha Hanif,College of Dentistry .2020
15. Education Datum Dental Datum Dental “**Case series on predictable GBR**” online webinar, attend Ayesha Hanif,College of Dentistry .2020
16. Training tomorrow’s doctor: team up!4th ICHPE (International Conference on Health Professions Education), “**Medical Education related topics**” Riphah International University, online attend, Dr. Naila Baig,DED,Ziauddin University

2019

1. 2nd Prize in Poster Presentation by Dr. Rehan Imad on In Vitro Apoptotic Effects of a Novel Gold Complex on Breast Cancer Cell Lines as Therapeutic Strategy Against Breast Cancer in the 4th International Conference on Challenges in Drug Discovery & Therapies held on 6-7th Dec, 2019 at Ziauddin University.
2. Conference Ziauddin, Poster – EFFICACY OF Med on Children with ADHD, Dec 2019 Karachi, Pakistan, Fatima Yousuf. CSLHS.
3. Oral Presentation “Miracles do happen – How fruitful is The Nemecheck Protocol for children with ASD” Dec 2019 Karachi, Pakistan, Fatima Yousuf. CSLHS

4. TESOL Convention “TESOL International, USA Presented paper on “Role of teacher associations: opportunities and challenges; Georgia, Atlanta, USA, 2019. Dr. Fauzia Shamim, FLAHS, Ziauddin University.
5. Language Arts International Conference Department of Liberal Arts, Texas A&M University “Maximizing learning in large classes: Together we can make a difference!” Doha, Qatar, 2019. Invited featured speaker Dr. Fauzia Shamim, FLAHS, Ziauddin University.
6. MUET International Conference English Language Centre, Mehran University of Engineering and Technology, Jamshoro, “Maximizing learning in large classes: The flipped classroom Approach.” Invited keynote speaker, Jamshoro, Pakistan. 2019. Dr. Fauzia Shamim, FLAHS, Ziauddin University.
7. Asia TEFL Conference “Leaders Train Leaders: SPELT’s DIY Leadership Development Program”. Invited featured speaker, Bangkok, Thailand, 2019. Dr. Fauzia Shamim, FLAHS, Ziauddin University.
8. 24th Annual TESOL Arabia International Conference and Exhibition “Presented paper on SLATE Project: Enhancing Writing Skills in Academic Setting” Dubai UAE, 2019. Ms. Adeeba Ahmad, FLAHS, Ziauddin University.
9. 1st MUET International Conference English Language Centre, Mehran University of Engineering and Technology Presented paper on: “ESP Course Design: Steps to consider” Jamshoro, Pakistan, 2019. Ms. Adeeba Ahmad, FLAHS, Ziauddin University.
10. 9th International Seminar from Presented paper on “Plant to Patient: Identification of New Drugs for Metabolic Disorders” International Center for Chemical & Biological Sciences, University of Karachi. Oral Presentation. Pakistan/Karachi. January 25th -27th, 2019, Dr.Shumaila Usman, Research Department, Ziauddin University.
11. 7th International Symposium-Cum-Training Course on Molecular Medicine and Drug Research (MMDR-7) International Center for Chemical and Biological Sciences, University of Karachi **Poster Presentation** “Anti-inflammatory and Anti-proliferative effects of Sorafenib, Azithromycin and its Gold Conjugated Nanoparticles”.4-7 Nov, 2019, Pakistan/ Karachi.Dr.Shumaila Usman, Research Department, Ziauddin University.
12. 7th International Symposium-Cum-Training Course on Molecular Medicine and Drug Research (MMDR-7) International Center for Chemical and Biological Sciences, University of Karachi **Poster** “Zinc Promotes Proliferation and Migration of Bone Marrow Derived Mesenchymal Stem Cells”4-7 Nov, 2019. Pakistan/ Karachi. Dr.Shumaila Usman, Research Department, Ziauddin University.
13. 4th International Conference on Challenges in Drug Discover & Therapies Ziauddin University, Poster “Zinc Promotes Proliferation and Migration of Umbilical Cord Derived Mesenchymal Stem Cells”6-7th Dec, 2019,Pakistan/ Karachi. Dr.Shumaila Usman, Research Department, Ziauddin University.

14. 4th International Conference on Challenges in Drug Discover & Therapies Ziauddin University, Poster “ Anti-proliferative effects of Sorafenib, Azithromycin and its Silver Conjugated Nanoparticles on HepG2 cell line”6-7th Dec,2019,Pakistan/ Karachi. Dr.Shumaila Usman, Research Department, Ziauddin University.
15. 1st JoPPP Conference Presented paper on “Pharmaceutical Policy & Practice” Faculty of Pharmacy, University of Technology MARA, Malaysia Oral Presentation, Malaysia / Shah Alam, 2019.Qurratul-ain Leghari, Faculty of Pharmacy, Ziauddin University.
16. 7th International conference on endorsing health science research “Neuroprotective Effects of Curcumin against ischemic neuronal injury; a study in middle cerebral artery occlusion rat models of focal cerebral ischemia” Advance Educational Institute and research center, 2019, Amas Nadir, College of Rehabilitation , Ziauddin University.
17. Seminar on World Down Syndrome “Collaborative Approach For Rehabilitation People With Down Syndrome” 2019, Amas Nadir, College of Rehabilitation , Ziauddin University.
18. Annual Conference of Neurology Presented a paper on “Prevalence Of Sensory Processing Challenges In Young Children” Pakistan Society of Neurology,2019. Amas Nadir, College of Rehabilitation, Ziauddin University.
19. CP Conference “NICH Significances of Family Centered Therapy For Better Outcome Of Therapies” Karachi, Pakistan, 2019. Neelum Zehra, College of Rehabilitation and Sciences, Ziauddin University.
20. 2nd Annual Symposium, “Emergency Medicine” at Ziauddin University, Clifton, Karachi on 1st January 2019. Dr. Talat Mirza, Research Department, Ziauddin University.

2018

1. Seminar on “Public awareness” Liaquat National Hospital& Med College, Oral Presentation, Karachi, Pakistan, 2018 Ms.Amina Siddiqui ,CSLHS, Ziauddin University.
2. 1st International conference of Pakistan Society Presented paper on “Oral & Maxillofacial Pathology” at Ziauddin University August 2018. Dr. Talat Mirza, Research Department, Ziauddin University.
3. 41st Annual Conference of “Pakistan Association of Pathologists and 6th Joint International Conference of Societies of Pathology” Armed Forces Institute of Pathology (AFIP), Rawalpindi. Oral Presentation, Rawalpindi, Pakistan.2018 Dr.Rehan Ahmed Siddiqui, Research Department, Ziauddin University.
4. 23rd International Conference on “Pharmaceutical Biotechnology” Conference series Presented both oral and Poster presentations with title: “Atorvastatin a double weapon in osteoporosis treatment, colon.An Experimental and Clinical study” Rome, Italy. 10th-11th December 2018. Dr Nisha Zahid , Pharmacology, Ziauddin University.
5. 53rd Annual “Medical Symposium” JPMC, Oral Presentation, Karachi Pakistan, 2018.Aisha Jabeen, Faculty of Pharmacy, Ziauddin University.

6. "ASHA Convention" American Speech and language, Poster presentation, Boston, USA, 2018 Ms.Amina Siddiqui, CSLHS, Ziauddin University.
7. "Utilization of waste materials in concrete" PEC-CPD International Seminar on Modern Concrete Systems and their Applications Superior University, Lahore, Oral Presentation , S. Tariq and S. Iqbal ,2018 ,Lahore, both from ZUFEST , Ziauddin University.
8. Husain, O, Chaudhry, N, Chaudhry, IB, Kiran, T, Husain, N. Hidden Behind the Doors: Domestic Violence and its Impact on Mental Health of Mothers in Postnatal period. Annual Conference European Association of Psychosomatic Medicine, Verona, 2018.
9. Husain,N, Chaudhry, IB, Kiran, T, Tofique, S, Chaudhry,N. Multicenter RCT to evaluate the clinical and cost-effectiveness of a culturally adapted therapy (C-MAP) in patients with a history of self-harm. World Congress of Psychiatry, Mexico, 2018.
10. Husain,N, Chaudhry, N, Tofique,S, Rasheed,M, Chaudhry, IB. Protocol for an open label feasibility study of Cognitive Stimulation Therapy for individuals with NeuroCognitive Disorder/ Dementia in Pakistan. World Congress of Psychiatry, Mexico, 2018.
11. Engr. Ali Asghar, Miss Maryam, Miss Mahwish, Engr. Dr. Sarmad Shams, ZUFEST, Increasing time healing process of dislocated shoulder in athletes using smart braces 3rd International Conference on Experiential Learning , ISBN 978-969-23055-3-2 , Oct 2018

Projects Summary

Year	Project
2019	30
2018	19
2017	23
2016	8
2015	4
Total	84

