

## Maria Shabbir

Associate Professor

Atta-Ur-Rahman School of Applied Biosciences

**Email:** mshabbir@asab.nust.edu.pk

**Contact:** 5190856137

**LinkedIn:** <https://www.linkedin.com/in/maria-shabbir-65102a174/>



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## About

Dr. Maria Shabbir is working as Associate Professor in the Atta-Ur-Rahman School of Applied Biosciences. Dr. Maria Shabbir has a PhD in Cancer Genetics. Dr. Maria Shabbir has published 55 research articles & conference papers having a citation count of 1632, carried out 6 projects and filed 2 intellectual property.

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## Qualifications

<b>PhD in Cancer Genetics</b> Quaid-i-Azam University , Pakistan	2010 - 2015
<b>MPhil in Biochemistry</b> Quaid-i-Azam University , Pakistan	2008 - 2010
<b>MSc in Biochemistry</b> Quaid-i-Azam University , Pakistan	2006 - 2008
<b>BSc in Chemistry, Botony, Zoology</b> University of the Punjab , Pakistan	2003 - 2005

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## Experience

<b>Associate Professor</b> Atta-Ur-Rahman School of Applied Biosciences	2021- Present
<b>Assistant Professor</b> Atta-Ur-Rahman School of Applied Biosciences	2020 - 2021
<b>Assistant Professor</b> Atta-Ur-Rahman School of Applied Biosciences	2017 - 2020
<b>Assistant Professor</b> Atta-Ur-Rahman School of Applied Biosciences	2017 - 2017
<b>Assistant Professor</b> Atta-Ur-Rahman School of Applied Biosciences	2016 - 2017
<b>Research Fellow/ Post Doctorat</b> University of Wisconsin, Madis , 1300 University Avenue, MSC 423   Madison, WI 53706	2015 - 2016

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## Awards

<b>School/College Best Researcher Awards-2021</b>	2022
<b>Best Teacher Award 2020</b> Best teacher award for year 2019-2020 , ASAB,, NUST	2020
<b>FICS-2017</b> FICS-2017 best project award in Biotechnology for nano-medicine designed to treat HIV	2017

Research Projects

National Projects

<b>Crosstalk of genetic markers between metabolism and immunity; targeting hallmarks of breast cancer</b> Funding Agency: HEC Amount: PKR 7,601,000.00 Status: Completed	2022
<b>In-depth analysis of predication &amp; forecasting of sepsis in ICU patients using Deep Learning</b> Funding Agency: XpertFlow Amount: PKR 610,000.00 Status: Completed	2021
<b>Down Regulation of Protein Kinase C Epsilon, a Possible Drug-Able Candidate in Human Breast Cancer Management</b> Funding Agency: HEC Amount: PKR 2,780,000.00 Status: Completed	2018
<b>Potent antiproliferative, pro-apoptotic activity of the taxifolin against liver cancer.</b> Funding Agency: HEC Amount: PKR 345,000.00 Status: Completed	2017
<b>Understanding the Role of iRhoms in EGFR Signalling Pathway and its Role in Breast and Colorectal Cancer</b> Funding Agency: HEC Amount: PKR 6,200,000.00 Status: Completed	2018
<b>Down regulation of Protein kinase C Epsilon, a possible drug-able candidate in human breast cancer management.</b> Funding Agency: HEC Amount: PKR 3,108,577.00 Status: Completed	2018

International Projects

Research Articles

<b>Computational insights into PKCθ non-synonymous SNPs: from structural changes to functional implications</b> <i>Amna Hafeez Andleeb Farooq Maria Shabbir Yasmin Badshah Naeem Mahmood Ashraf Janeen H Trembley Tayyaba Afsar Ali Abusharha Sameen Zafar Suhail Razaq</i> <i>Journal of Biomolecular Structure and Dynamics</i> , Pages 1-21 Impact Factor: 2.400   Quartile: 3 DOI: 10.1080/07391102.2025.2550618	2025
<b>Missense variants in PRKCD: elucidating their potential association with breast cancer</b> <i>Sameen Zafar Yasmin Badshah Maria Shabbir Uzma Mussarat Asma Latif Janeen H Trembley Tayyaba Afsar Fohad Mabood Husain Suhail Razak</i> <i>Breast Cancer Research</i> , Volume 27, Article Number: 139 Impact Factor: 5.600   Quartile: 1 DOI: https://doi.org/10.1186/s13058-025-02090-x	2025
<b>Association of PRKCQ variants with breast cancer susceptibility and clinicopathological features</b> <i>Amna Hafeez Maria Shabbir Yasmin Badshah Andleeb Farooq Janeen H. Trembley Tayyaba Afsar Dara Aldisi Suhail Razzak</i> <i>BMC Cancer</i> , Volume:25, Issue:1, Article Number 1069 Impact Factor: 3.400   Quartile: 2 DOI: https://doi.org/10.1186/s12885-025-14471-8	2025
<b>Zapotin mitigates breast cancer progression by targeting PKCε mediated glycolytic pathway regulation</b> <i>Khushbukhat Khan Maryam Anwar Yasmin Badshah Naeem Mahmood Ashraf Arslan Hamid Janeen H. Trembley Maria Shabbir Tayyaba Afsar Fohad Mabood Husain Dilawar Khan Suhail Razak</i> <i>BMC Cancer</i> , Volume:25, Issue:1, Article Number 798 Impact Factor: 3.400   Quartile: 2 DOI: https://doi.org/10.1186/s12885-025-14202-z	2025

<b>Unravelling the role of PRKCI and key-cancer related genes in breast cancer development and metastasis</b> <i>Hania Shah Khushbukhat Khan Yasmin Badshah Janeen H. Trembley Naeem Mahmood Ashraf Maria Shabbir Suhail Razak Dara Aldisi Tayyaba Afsar Dilawar Khan</i> <i>Discover Oncology</i> , Volume 16, Article Number 350 <b>Impact Factor:</b> 2.800   <b>Quartile:</b> 2 <b>DOI:</b> 10.1007/s12672-025-02133-x.	2025
<b>HCV and HBV Genotypes: Vital in the Progression of HCV/ HBV Co-Infection</b> <i>Yasmin Badshah Maria Shabbir Khushbukhat Khan Sameen Zafar Tayyaba Afsar Fohad mabood Husain Houda Amor Suhail Razak</i> <i>BMC Gastroenterology</i> , Volume: 25, Article Number: 6, Pages:09 <b>Impact Factor:</b> 2.5   <b>Quartile:</b> 3 <b>DOI:</b> <a href="https://doi.org/10.1186/s12876-025-03587-7">https://doi.org/10.1186/s12876-025-03587-7</a>	2025
<b>Investigating the role of non-synonymous variant D67N of ADGRE2 in chronic myeloid leukemia</b> <i>Ayesha Afzal Harooma Jamshaid Yasmin Badshah Maria Shabbir Janeen H. Trembley Sameen Zafar Ghulam Murtaza Kamal Tayyaba Afsar Fohad Mabood Husain Suhail Razak</i> <i>BMC Cancer</i> , Volume 24, Article Number: 1354 <b>Impact Factor:</b> 3.400   <b>Quartile:</b> 2 <b>DOI:</b> <a href="https://doi.org/10.1186/s12885-024-13108-6">https://doi.org/10.1186/s12885-024-13108-6</a>	2024
<b>Genetic Variants at PRKCG Splice and UTR Sites Promote Cancer Susceptibility by Disrupting Epigenetic and miRNA Regulatory Network</b> <i>Fizzah Abid Khushbukhat Khan Yasmin Badshah Maria Shabbir Janeen H Trembley Naeem Mahmood Ashraf Tayyaba Afsar Ali Almajwal Suhail Razak</i> <i>Journal of Cancer</i> , Vol: 15, Issue: 20, Paegs: 6644-6657 <b>Impact Factor:</b> 3.3   <b>Quartile:</b> 2 <b>DOI:</b> doi:10.7150/jca.100911	2024
<b>Pathogenic nsSNPs of protein kinase C-eta with hepatocellular carcinoma susceptibility</b> <i>Tayyaba Hussain Yasmin Badshah Maria Shabbir Fizzah Abid Ghulam Murtaza Kamal Amna Fayyaz Janeen H. Trembley Tayyaba Afsar Ali Almajwal Suhail Razak</i> <i>Cancer Cell International</i> , Volume 24, Article Number: 346 <b>Impact Factor:</b> 5.300   <b>Quartile:</b> 1 <b>DOI:</b> <a href="https://doi.org/10.1186/s12935-024-03536-6">https://doi.org/10.1186/s12935-024-03536-6</a>	2024
<b>Genetic polymorphism in untranslated regions of PRKCZ influences mRNA structure, stability and binding sites</b> <i>Aneela Mustafa Maria Shabbir Yasmin Badshah Fizzah Abid Janeen H Trembley Tayyaba Afsar Khushbukhat Khan Ali Almajwal Suhail Razak</i> <i>BMC Cancer</i> , Volume 24(1), Article Number: 1147 <b>Impact Factor:</b> 3.400   <b>Quartile:</b> 2   <b>Citations:</b> 1 <b>DOI:</b> 10.1186/s12885-024-12900-8	2024
<b>Possible prognostic impact of PKCι genetic variants in prostate cancer</b> <i>Amna Hafeez Maria Shabbir Khushbukhat Khan Janeen H. Trembley Yasmin Badshah Sameen Zafar Kanza Shahid Hania Shah Naeem Mahmood Ashraf Arslan Hamid Tayyaba Afsar Ali Almajwal Afifa Marium Suhail Razak</i> <i>Cancer Cell International</i> , Volume 24, Article Number 24 <b>Impact Factor:</b> 5.800   <b>Quartile:</b> 1   <b>Citations:</b> 1 <b>DOI:</b> 10.1186/s12935-023-03182-4	2024
<b>Cross talk of tumor protein D52 (TPD52) with KLF9, PKCε, and MicroRNA 223 in ovarian cancer</b> <i>Khushbukhat Khan Sameen Zafar Yasmin Badshah Naeem Mahmood Ashraf Mehak Rafiq Lubna Danish Maria Shabbir Janeen H. Trembley Tayyaba Afsar Ali Almajwal Suhail Razak</i> <i>Journal of Ovarian Research</i> , Volume 16, Issue 1, Article Number: 202 <b>Impact Factor:</b> 4.0   <b>Quartile:</b> 1   <b>Citations:</b> 2 <b>DOI:</b> <a href="https://doi.org/10.1186/s13048-023-01292-1">https://doi.org/10.1186/s13048-023-01292-1</a>	2023
<b>Impact of IL-12B Genetic Variants on Antiviral Treatment Response among Hepatitis B Patients in Pakistan</b> <i>Yasmin Badshah Maria Shabbir Sameen Zafar Uzma Mussarat Aamer Ikram Sumbal Javed Hashaam Akhtar</i> <i>Livers</i> , Volume 3, Issue 3, Pages 494-506 <b>Impact Factor:</b> N/A <b>DOI:</b> <a href="https://doi.org/10.3390/livers3030034">https://doi.org/10.3390/livers3030034</a>	2023
<b>Exploring the prognostic significance of PKCε variants in cervical cancer</b> <i>Sameen Zafar Khushbukhat Khan Yasmin Badshah Kanza Shahid Janeen H Trembley Amna Hafeez Naeem Mahmood Ashraf Hamid Arslan Maria Shabbir</i>	2023

Tayyaba Afsar Ali Almajwal Suhail Razak  
BMC Cancer , Volume 23, Issue 1, Article Number 819  
**Impact Factor:** 3.400 | **Quartile:** 2 | **Citations:** 2  
**DOI:** <https://doi.org/10.1186/s12885-023-11236-z>

**Investigating pathogenic SNP of PKC $\alpha$  in HCV-induced hepatocellular carcinoma** 2023

Naila Khan Khushbukhat Khan Yasmin Badshah Lubna Danish Janeen H Trembley Naeem Mahmood Ashraf Zafarul Hasan Maria Shabbir Tayyaba Afsar Ali Almajwal Suhail Razak Saira Justin  
Scientific Reports , Volume 13, Article Number 12504  
**Impact Factor:** 4.6 | **Quartile:** 2  
**DOI:** 10.1038/s41598-023-39804-0.

**Non-synonymous SNPs variants of PRKCG and its association with oncogenes predispose to hepatocellular carcinoma** 2023

Fizzah Abid Khushbukhat Khan Yasmin Badshah Naeem Mahmood Ashraf Maria Shabbir Arslan Hamid Tayyaba Afsar Ali Almajwal Suhail Razak  
Cancer Cell International , Volume 23, Article Number: 123  
**Impact Factor:** 5.8 | **Quartile:** 1 | **Citations:** 8  
**DOI:** 10.1186/s12935-023-02965-z

**Expression Profiles of Hepatic Immune Response Genes in HEV Infection** 2023

yasmin Badshah Maria Shabbir Khushbukhat Khan Hashaam Akhtar  
Pathogens , Volume 12(3), Article Number 392  
**Impact Factor:** 4.531 | **Quartile:** 2 | **Citations:** 1  
**DOI:** 10.3390/pathogens12030392

**Mutation pattern of cancer suppressor p53 gene in factory workers exposed to polypropylene and impact on their reproductive hormones** 2023

Suhail Razak Naeem Mahmood Ashraf Hira Abbas Ghazala Shaheen Waqar Ahmad Tayyaba Afsar Ali Almajwal Maria Shabbir Huma Shafique Sarwat Jaha.  
Journal of Gene Medicine , Pages 1-10, Article Number e3483  
**Impact Factor:** 4.152 | **Quartile:** 2 | **Citations:** 2  
**DOI:** 10.1002/jgm.3483

**Elucidating the role of missense SNP of protein kinase C epsilon in HCV-induced hepatocellular carcinoma** 2023

Areeba Rehman Maria Shabbir Yasmin Badshah Khushbukhat Khan Janeen H Trembley Naeem Mahmood Ashraf Tayyaba Afsar Ali Almajwal Nawaf W Alruwaili Ali Alshamari Tariq Nahar Alanezi Suhail Razak  
BMC Cancer , Volume 23, Article Number 147  
**Impact Factor:** 4.638 | **Quartile:** 2 | **Citations:** 1  
**DOI:** 10.1186/s12885-023-10618-7

**Investigation of UTR Variants by Computational Approaches Reveal Their Functional Significance in PRKCI Gene Regulation** 2023

Hania Shah Khushbukhat Khan Yasmin Badshah Naeem Mahmood Ashraf Maria Shabbir Janeen H. Trembley Tayyaba Afsar Ali Abusharha Suhail Razak  
Genes , Volume 14, Issue 2, Article Number 247  
**Impact Factor:** 4.141 | **Quartile:** 2 | **Citations:** 3  
**DOI:** 10.3390/genes14020247

**Pathogenicity of PKC $\gamma$  Genetic Variants—Possible Function as a Non-Invasive Diagnostic Biomarker in Ovarian Cancer** 2023

Kanza Shahid Khushbukhat Khan Yasmin Badshah Naeem Mahmood Ashraf Arslan Hamid Janeen H Trembley Maria Shabbir Tayyaba Afsar Ali Almajwal Ali Abusharha Suhail Razak  
Genes , Volume 14, Issue 1, Article Number 236  
**Impact Factor:** 4.141 | **Quartile:** 2 | **Citations:** 3  
**DOI:** [doi.org/10.3390/ genes14010236](https://doi.org/10.3390/genes14010236)

**Bioassay-guided isolation and characterization of lead antimicrobial compounds from Acacia hydasypica plant extract** 2022

Tayyaba Afsar Suhail Razak Ali Almajwal Maria Shabbir Khushbukhat Khan Janeen Trembley Nawaf W. Alruwaili  
AMB Express , Volume 12, Issue 1, Article Number: 156  
**Impact Factor:** 4.126 | **Quartile:** 2 | **Citations:** 6  
**DOI:** 10.1186/s13568-022-01501-y

**Analyzing PKC Gamma (+19,506 A/G) polymorphism as a promising genetic marker for HCV-induced hepatocellular carcinoma** 2022

Fizza Abid Talha Iqbal Khushbukhat Khan Yasmin Badshah Janeen H Trembley Naeem Mahmood Ashraf Maria Shabbir Tayyaba Afsar Ali Almajwal6 Suhail

razzak

Biomarker Research , Springer Nature

**Impact Factor:** 8.633 | **Quartile:** 1 | **Citations:** 4

**DOI:** 10.1186/s40364-022-00437-6

**Investigating Isoform Switching in RHBDF2 for its role in Human Neoplastic Growth in Breast Cancer** 2022

Mehar Masood Madahiah Bint E Masood Noor Us Subah Maria Shabbir Rehan Zafar Paracha Mehak Rafiq

PeerJ , Volume 10, Article Number e14124

**Impact Factor:** 2.7 | **Quartile:** 2 | **Citations:** 2

**DOI:** 10.7717/peerj.14124

**PRKCE non-coding variants influence on transcription as well as translation of its gene** 2022

Khushbukhat Khan Sameen Zaffar Amna Hafeez Yasmin Badshah Kanza Shahid Naeem Mahmood Ashraf Maria Shabbir

RNA Biology , Volume 19, Issue 1, Pages 1115-1129

**Impact Factor:** 4.766 | **Quartile:** 2 | **Citations:** 8

**DOI:** 10.1080/15476286.2022.2139110

**Prevention of Testicular Damage by Indole Derivative MMINA via Upregulated StAR and CatSper** 2022

**Channels with Coincident Suppression of Oxidative Stress and Inflammation: In Silico and In Vivo**

**Validation**

Tayyaba Afsar Suhail razzak Janeen H Trembley Khushbukhat Khan Maria Shabbir Ali Almajwal Nawaf W. Alruwaili Muhammad Umar Ijaz

Antioxidants , Volume 11(10), Article Number 2063

**Impact Factor:** 7.675 | **Quartile:** 1 | **Citations:** 8

**DOI:** 10.3390/antiox11102063

**Manipulation of Interleukin-6 (IL-6) and Transforming Growth Factor Beta-1(TGFβ-1) towards viral** 2022

**induced liver cancer pathogenesis**

Yasmin Badshah Maria Shabbir Khushbukhat Khan Maha Fatima Iqra Majoka Laiba Aslam Huda Munawar

PLoS One , Volume 17(10), Article Number e0275834

**Impact Factor:** 3.752 | **Quartile:** 2 | **Citations:** 2

**DOI:** 10.1371/journal.pone.0275834

**Sulindac acetohydrazide derivative attenuates against cisplatin induced organ damage by modulation** 2022

**of antioxidant and inflammatory signaling pathways**

Suhail Razzak Tayyaba Afsar Nousheen Bibi Mahmoud Abulmeaty Mashooq Ahmad Bhat Anum Inam Janeen H trembley Ali Almajwal Maria Shabbir Nawaf

W Alruwaili Abdulrahman Algarni

Scientific Reports , Volume 12, Issue 1, Article Number 11749

**Impact Factor:** 4.996 | **Quartile:** 2 | **Citations:** 2

**DOI:** 10.1038/s41598-022-15950-9

**Influence of PRKCE non-synonymous variants on protein dynamics and functionality** 2022

Khushbukhat Khan Hania Shah Areeba Rehman Yasmin Badshah Naeem Mahmood Ashraf Maria Shabbir

Human Molecular Genetics , Volume 31, Issue 13, Pages 2236-2261

**Impact Factor:** 5.121 | **Quartile:** 1 | **Citations:** 15

**DOI:** 10.1093/hmg/ddac029

**PLK4 is upregulated in prostate cancer and its inhibition reduces centrosome amplification and causes** 2022

**senescence**

Chandra K Singh Ryan A Denu Minakshi Nihal Maria Shabbir Debra R Garvey Wei Huang Kenneth A Iczkowski Nihal Ahmad

Prostate , Pages 1-13

**Impact Factor:** 4.104 | **Quartile:** 2 | **Citations:** 18

**DOI:** 10.1002/pros.24342

**Determining KLF14 tertiary structure and diagnostic significance in brain cancer progression** 2022

Kainat Zahra Maria Shabbir Yasmin Badshah Janeen H trembley Zunaira Badar Khushbukhat Khan Tayyaba Afsar Ali Almajwal Nawaf W Alruwaili Suhail

Razzak

Scientific Reports , Volume 12, Article Number 8039

**Impact Factor:** 4.996 | **Quartile:** 2 | **Citations:** 8

**DOI:** 10.1038/s41598-022-12072-0

**Association of CTLA-4 and IL-4 polymorphisms in viral induced liver cancer** 2022

Maria Shabbir Yasmin Badshah Khushbukhat Khan Janeen H trembley Areeb Rizwan Fatima Faraz Syeda Alveena Shah Marukh Farooqi Naeem Mahmood

Ashraf Tayyaba Afsar Ali Almajwal Suhail Razzak Nawaf W. Alruwaili

BMC Cancer , Volume 22, Issue 1, Article Number 518

**Impact Factor:** 4.638 | **Quartile:** 2 | **Citations:** 13

DOI: 10.1186/s12885-022-09633-x

- Impact of deleterious missense PRKCI variants on structural and functional dynamics of protein** 2022  
*Hania Shah Khushbukhat Khan Naila Khan Yasmin Badshah Naeem Mahmood Ashraf Maria Shabbir*  
*Scientific Reports* , Volume 12, Issue 1, Article Number 3781  
**Impact Factor: 4.996 | Quartile: 2 | Citations: 7**  
DOI: 10.1038/s41598-022-07526-4
- Predicting 3D Structure, Cross Talks, and Prognostic Significance of KLF9 in Cervical Cancer** 2022  
*Sadia Safi Yasmin Badshah Maria Shabbir Kainat Zahra Khushbukhat Khan Erum Dilshad Tayyaba Afsar Ali Almajwal Nawaf W. Alruwaili Dara Al-disi*  
*Mahmoud Abulmeaty Suhail Razak*  
*Frontiers in Oncology* , Volume 11, Article Number 797007  
**Impact Factor: 6.244 | Quartile: 2 | Citations: 8**  
DOI: 10.3389/fonc.2021.797007
- Acacia hydasypica R. Parker ethyl-acetate extract abrogates cisplatin-induced nephrotoxicity by targeting ROS and inflammatory cytokines** 2021  
*Tayyaba Afsar Suhail Razak Dara Aldisi Maria Shabbir Ali Almajwal Abdulaziz Abdullah Al Kheraif Mohammed Arshad*  
*Scientific Reports* , Volume 11(1), Article Number 17248  
**Impact Factor: 4.997 | Quartile: 2 | Citations: 20**  
DOI: 10.1038/s41598-021-96509-y
- Tissue microarray profiling and integrative proteomics indicate the modulatory potential of Maytenus royleanus in inhibition of overexpressed TPD52 in prostate cancers** 2021  
*Maria Shabbir Hasan Mukhtar Deebe Syed Suhail Razzak Tayyaba Afsar Ali Almajwal Yasmin Badshah Dara Al Disi*  
*Scientific Reports* , Volume 11, Article Number 11935  
**Impact Factor: 4.997 | Quartile: 2 | Citations: 3**  
DOI: 10.1038/s41598-021-91408-8
- Evaluation of pro-apoptotic potential of taxifolin against liver cancer** 2021  
*Sania Safdar Butt Khushbukhat Khan Yasmin Badshah Mehak Rafiq Maria Shabbir*  
*PeerJ* , Volume 9, Article Number e11276  
**Impact Factor: 3.061 | Quartile: 2 | Citations: 31**  
DOI: DOI 10.7717/peerj.11276
- Molecular docking, pharmacokinetic studies, and in vivo pharmacological study of indole derivative 2-(5-methoxy-2-methyl-1H-indole-3-yl)-N'-[(E)-(3-nitrophenyl) methylidene] acetohydrazide as a promising chemoprotective agent against cisplatin induced organ damage** 2021  
*Suhail Razak Tayyaba Afsar Nousheen Bibi Mahmoud Abulmeaty Wajhul Qamar Ali Almajwal Anam Inam Dara Al Disi Maria Shabbir Mashooq Ahmad Bhat*  
*Suhail Razak Tayyaba Afsar Nousheen Bibi Mahmoud Abulmeaty Wajhul Qamar Ali Almajwal Anam Inam Dara Al Disi Mashooq Ahmad Bhat Suhail Razak*  
*Tayyaba Afsar Nousheen Bibi Mahmoud Abulmeaty Wajhul Qamar Ali Almajwal Anam Inam Dara Al Disi Mashooq Ahmad Bhat*  
*Scientific Reports* , Volume 11(1), Article Number 6245  
**Impact Factor: 4.997 | Quartile: 2**  
DOI: doi: 10.1038/s41598-021-84748-y.
- Genetic markers of osteoarthritis: early diagnosis in susceptible Pakistani population** 2021  
*Yasmin Badshah Maria Shabbir Hunza Hayat Zoha Fatma Asad Burki Sidra Khan Shafiq ur Rehman*  
*Journal of Orthopaedic Surgery and Research* , Volume 16, Article Number 124  
**Impact Factor: 1.777 | Quartile: 2 | Citations: 19**  
DOI: <https://doi.org/10.1186/s13018-021-02230-x>
- Unravelling Structure, Localization, and Genetic Crosstalk of KLF3 in Human Breast Cancer** 2020  
*Yasmin Badshah Maria Shabbir Mehak Rafiq Khushbukhat Khan Sadia Safi Asma Abbas Erum Dilshad Kainat Zahra*  
*BioMed Research International* , Volume 2020, Article ID 1354381, 15 pages  
**Impact Factor: 3.411 | Quartile: 2 | Citations: 14**  
DOI: <https://doi.org/10.1155/2020/1354381>
- Molecular Docking Using Chimera and Autodock Vina Software for Nonbioinformaticians** 2020  
*Sania Safdar Butt Yasmin Badshah Maria Shabbir Mehak Rafiq*  
*JMIR Bioinformatics and Biotechnology* , Volume 1(1), Article Number e14232  
**Impact Factor: - | Citations: 130**  
DOI: doi:10.2196/14232
- Phytochemical analysis and Evaluation of hepatoprotective effect of Maytenus royleanus leaves extract against anti-tuberculosis drug induced liver injury in mice** 2020  
*Maria Shabbir Tayyaba Afsar Suhail Razzak Ali Almajwal Muhammad Rashid Khan*

*Lipids in Health and Disease*, Volume 19(1), Article Number: 46

**Impact Factor:** 3.876 | **Quartile:** 3

**DOI:** 10.1186/s12944-020-01231-9.

**Evaluating the protective potency of *Acacia hydasypica* R. Parker on histological and biochemical changes induced by Cisplatin in the cardiac tissue of rats.**

2019

*Tayyaba Afsar Suhail Razak Ali Almajwal3 Maria Shabbir Muhammad Rashid Khan*

*BMC Complementary and Alternative Medicine*, Volume 19, Article Number 182

**Impact Factor:** 2.833 | **Quartile:** 1 | **Citations:** 25

**DOI:** 10.1186/s12906-019-2575-8

**Silver nanoparticles of Aloe vera gel as strong therapeutic candidates**

2019

*Erum Dilshad Syeda Sojla Tazeem Zainab Bashir Ammar Hamza Iqbal Adeel Saddique Khokhar Naqoosh Zahra Mubarak Ali Khan Hammad Ismail Maria Shabbir*

*International Journal of Biosciences*, Volume 15, Issue No. 1, pages 360-373

**Impact Factor:** 0

**DOI:** 10.12692/ijb/15.1.360-373

**Expression of suppressor of cytokine signaling 3 (SOCS3) and interleukin-6 (-174-G/C) polymorphism in atopic conditions**

2019

*Arooma Jannat Maryam Khan Maria Shabbir Yasmin Badshah*

*PLoS ONE*, Volume 14, Issue 6, Article Number e0219084

**Impact Factor:** 2.740 | **Quartile:** 2 | **Citations:** 7

**DOI:** 10.1371/journal.pone.0219084

**Centriole Overduplication is the Predominant Mechanism Leading to Centrosome Amplification in Melanoma**

2018

*Maria Shabbir Ryan A. Denu Minakshi Nihal Chandra K. Singh B. Jack Longley Mark E. Burkard Nihal Ahmad*  
*Molecular Cancer Research*, NULL

**Impact Factor:** 4.484 | **Quartile:** 2 | **Citations:** 46

**DOI:** 10.1158/1541-7786.MCR-17-0197

**Antioxidant activity of polyphenolic compounds isolated from ethyl-acetate fraction of *Acacia hydasypica* R. Parker**

2018

*Maria Shabbir Tayyaba Afsar Suhail Razak Muhammad Rashid Khan*

*Chemistry Central Journal*, NULL

**Impact Factor:** 2.094 | **Quartile:** 3 | **Citations:** 46

**DOI:** doi.org/10.1186/s13065-018-0373-x

**Evaluation of antioxidant, anti-hemolytic and anticancer activity of various solvent extracts of *Acacia hydasypica* R. Parker aerial parts**

2016

*Tayyaba Afsar Suhail Razak Muhammad Rashid Khan Saadia Mawash Ali Almajwal Maria Shabir Ihsan Ul Haq*

*BMC Complementary and Alternative Medicine*, Volume: 16, Article Number: 258

**Impact Factor:** 2.288 | **Quartile:** 1 | **Citations:** 87

**DOI:** 10.1186/s12906-016-1240-8

**MicroRNAs in skin response to UV radiation.**

2013

*Deeba N. Syed Mohammad Imran Khan Hasan Mukhtar Deeba N. Syed Mohammad Imran Khan Maria Shabbir Hasan Mukhtar*

*Current Drug Targets*, Volume 14, Issue 10, Pages 1128-1134

**Impact Factor:** 3.597 | **Quartile:** 1 | **Citations:** 64

**DOI:** 10.2174/13894501113149990184

**Assessment of phytochemicals, antioxidant, anti-lipid peroxidation and anti-hemolytic activity of extract and various fractions of *Maytenus royleanus* leaves.**

2013

*Maria Shabbir Muhammad Rashid Khan Naima Saeed*

*BMC Complementary and Alternative Medicine*, Volume 13, Article Number 143

**Impact Factor:** 1.877 | **Quartile:** 2 | **Citations:** 102

**DOI:** 10.1186/1472-6882-13-143

**Evaluation of diverse antioxidant activities of *Galium aparine*.**

2013

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**Impact Factor:** 2.129 | **Quartile:** 2 | **Citations:** 41

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## Book Chapters

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**Single Cell Omics**

2022

*Erum Dilshad Amna Naheed Khan Iqra Bashir Muhammad Maaz Maria Shabbir Marriam Bakhtiar*

In: *Book on Omics Technologies for Clinical Diagnosis and Gene Therapy: Medical Applications in Human Genetics* Chapter 10, Pages 156-173

**Citations:** N/A

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**Adapting the Foreign Soil: Factors Promoting Tumor Metastasis**

2020

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**Citations:** N/A

**DOI:** doi.org/10.1007/978-981-15-1067-0



Editorial Activities

<b>BMC Cancer</b>	2024
Reviewed Papers for Journals	
<b>Impact Factor:</b> 3.4	
<b>Scientific Reports</b>	2023
Reviewed Papers for Journals	
<b>Impact Factor:</b> 4.997	
	2021
Reviewed Papers for Journals	
<b>Impact Factor:</b> 3.269	
	2021
Reviewed Papers for Journals	
<b>Impact Factor:</b> 3.269	
	2021
Reviewed Papers for Journals	
<b>Impact Factor:</b> 1.9	
	2021
Reviewed Papers for Journals	
<b>Impact Factor:</b> 2.2	
	2021
Reviewed Papers for Journals	
<b>Impact Factor:</b> 2.2	
	2020
Reviewed Papers for Journals	
<b>Impact Factor:</b> 1.995	
	2019
Reviewed Papers for Journals	
<b>Impact Factor:</b> 2.1	
	2019
Reviewed Papers for Journals	
<b>Impact Factor:</b> 2.338	

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<b>Novel real time OCR primers for the detection of SARS CoV-2</b>	2021
<b>Status:</b> Filed	
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