

Yasmin Badshah

Associate Professor

Atta-Ur-Rahman School of Applied Biosciences

Email: yasmeenb_1982@yahoo.com

Contact: 0519085614

LinkedIn:



About

Dr. Yasmin Badshah is working as Associate Professor in the Atta-Ur-Rahman School of Applied Biosciences. Dr. Yasmin Badshah has a PhD in viral cancers. Dr. Yasmin Badshah has published 41 research articles & conference papers having a citation count of 381, carried out 1 projects and filed 2 intellectual property.

Qualifications

PhD in viral cancers University of the Punjab , Pakistan	2016 - 2021
MPhil in Microbiology University of the Punjab , Pakistan	2015 - 2010
MSc in Zoology Arid Agriculture University , Pakistan	2002 - 2004
BSc in Zoology,Chemistry, Applied Psychology University of the Punjab , Pakistan	2000 - 2002

Experience

Associate Professor Atta-Ur-Rahman School of Applied Biosciences	2025- Present
Assistant Professor Atta-Ur-Rahman School of Applied Biosciences	2017 - 2017
Lecturer Atta-Ur-Rahman School of Applied Biosciences	2012 - 2017
Senior Research Associate Atta-Ur-Rahman School of Applied Biosciences	2012 - 2012
Senior Research Associate Atta-Ur-Rahman School of Applied Biosciences	2008 - 2012
microbiologist genetix lab , genetix lab, saed pur road,kali tanky stop,rawalpindi	2007 - 2008

Research Projects

National Projects

Crosstalk of genetic markers between metabolism and immunity; targeting hallmarks of breast cancer Funding Agency: HEC Amount: PKR 7,601,000.00 Status: Completed	2022
---	------

International Projects

Research Articles

Computational insights into PKCθ non-synonymous SNPs: from structural changes to functional implications Amna Hafeez Andleeb Farooq Maria Shabbir Yasmin Badshah Naeem Mahmood Ashraf Janeen H Trembley Tayyaba Afsar Ali Abusharha Sameen Zafar Suhail Razaq	2025
---	------

Impact Factor: 2.400 | **Quartile:** 3

DOI: 10.1080/07391102.2025.2550618

Missense variants in PRKCD: elucidating their potential association with breast cancer

2025

Sameen Zafar Yasmin Badshah Maria Shabbir Uzma Mussarat Asma Latif Janeen H Trembley Tayyaba Afsar Fohad Mabood Husain Suhail Razak

Breast Cancer Research , Volume 27, Article Number: 139

Impact Factor: 5.600 | **Quartile:** 1

DOI: <https://doi.org/10.1186/s13058-025-02090-x>

Association of PRKCQ variants with breast cancer susceptibility and clinicopathological features

2025

Amna Hafeez Maria Shabbir Yasmin Badshah Andleeb Farooq Janeen H. Trembley Tayyaba Afsar Dara Aldisi Suhail Razzak

BMC Cancer , Volume:25, Issue:1, Article Number 1069

Impact Factor: 3.400 | **Quartile:** 2

DOI: <https://doi.org/10.1186/s12885-025-14471-8>

Zapotin mitigates breast cancer progression by targeting PKCε mediated glycolytic pathway regulation

2025

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

BMC Cancer , Volume:25, Issue:1, Article Number 798

Impact Factor: 3.400 | **Quartile:** 2

DOI: <https://doi.org/10.1186/s12885-025-14202-z>

Unravelling the role of PRKCI and key-cancer related genes in breast cancer development and metastasis

2025

Hania Shah Khushbukhat Khan Yasmin Badshah Janeen H. Trembley Naeem Mahmood Ashraf Maria Shabbir Suhail Razak Dara Aldisi Tayyaba Afsar Dilawar Khan

Discover Oncology , Volume 16, Article Number 350

Impact Factor: 2.800 | **Quartile:** 2

DOI: 10.1007/s12672-025-02133-x.

HCV and HBV Genotypes: Vital in the Progression of HCV/ HBV Co-Infection

2025

Yasmin Badshah Maria Shabbir Khushbukhat Khan Sameen Zafar Tayyaba Afsar Fohad mabood Husain Houda Amor Suhail Razak

BMC Gastroenterology , Volume: 25, Article Number: 6, Pages:09

Impact Factor: 2.5 | **Quartile:** 3

DOI: <https://doi.org/10.1186/s12876-025-03587-7>

Investigating the role of non-synonymous variant D67N of ADGRE2 in chronic myeloid leukemia

2024

Ayesha Afzal Harooma Jamshaid Yasmin Badshah Maria Shabbir Janeen H. Trembley Sameen Zafar Ghulam Murtaza Kamal Tayyaba Afsar Fohad Mabood Husain Suhail Razak

BMC Cancer , Volume 24, Article Number: 1354

Impact Factor: 3.400 | **Quartile:** 2

DOI: <https://doi.org/10.1186/s12885-024-13108-6>

Genetic Variants at PRKCG Splice and UTR Sites Promote Cancer Susceptibility by Disrupting Epigenetic and miRNA Regulatory Network

2024

Fizzah Abid Khushbukhat Khan Yasmin Badshah Maria Shabbir Janeen H Trembley Naeem Mahmood Ashraf Tayyaba Afsar Ali Almajwal Suhail Razak

Journal of Cancer , Vol: 15, Issue: 20, Paegs: 6644-6657

Impact Factor: 3.3 | **Quartile:** 2

DOI: doi:10.7150/jca.100911

Pathogenic nsSNPs of protein kinase C-eta with hepatocellular carcinoma susceptibility

2024

Tayyaba Hussain Yasmin Badshah Maria Shabbir Fizzah Abid Ghulam Murtaza Kamal Amna Fayyaz Janeen H. Trembley Tayyaba Afsar Ali Almajwal Suhail Razak

Cancer Cell International , Volume 24, Article Number: 346

Impact Factor: 5.300 | **Quartile:** 1

DOI: <https://doi.org/10.1186/s12935-024-03536-6>

Genetic polymorphism in untranslated regions of PRKCZ influences mRNA structure, stability and binding sites

2024

Aneela Mustafa Maria Shabbir Yasmin Badshah Fizzah Abid Janeen H Trembley Tayyaba Afsar Khushbukhat Khan Ali Almajwal Suhail Razak

BMC Cancer , Volume 24(1), Article Number: 1147

Impact Factor: 3.400 | **Quartile:** 2 | **Citations:** 1

DOI: 10.1186/s12885-024-12900-8

Possible prognostic impact of PKCζ genetic variants in prostate cancer <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 Impact Factor: 5.800 Quartile: 1 Citations: 1 DOI: 10.1186/s12935-023-03182-4	2024
Cross talk of tumor protein D52 (TPD52) with KLF9, PKCϵ, and MicroRNA 223 in ovarian cancer <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 Impact Factor: 4.0 Quartile: 1 Citations: 2 DOI: https://doi.org/10.1186/s13048-023-01292-1	2023
Impact of IL-12B Genetic Variants on Antiviral Treatment Response among Hepatitis B Patients in Pakistan <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 Impact Factor: N/A DOI: https://doi.org/10.3390/livers3030034	2023
Exploring the prognostic significance of PKCϵ variants in cervical cancer <i>Sameen Zafar Khushbukhat Khan Yasmin Badshah Kanza Shahid Janeen H Trembley Amna Hafeez Naeem Mahmood Ashraf Hamid Arslan Maria Shabbir Tayyaba Afsar Ali Almajwal Suhail Razak</i> <i>BMC Cancer</i> , 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	2023
Investigating pathogenic SNP of PKCζ in HCV-induced hepatocellular carcinoma <i>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</i> <i>Scientific Reports</i> , Volume 13, Article Number 12504 Impact Factor: 4.6 Quartile: 2 DOI: 10.1038/s41598-023-39804-0.	2023
Non-synonymous SNPs variants of PRKCG and its association with oncogenes predispose to hepatocellular carcinoma <i>Fizzah Abid Khushbukhat Khan Yasmin Badshah Naeem Mahmood Ashraf Maria Shabbir Arslan Hamid Tayyaba Afsar Ali Almajwal Suhail Razak</i> <i>Cancer Cell International</i> , Volume 23, Article Number: 123 Impact Factor: 5.8 Quartile: 1 Citations: 8 DOI: 10.1186/s12935-023-02965-z	2023
Expression Profiles of Hepatic Immune Response Genes in HEV Infection <i>yasmin Badshah Maria Shabbir Khushbukhat Khan Hashaam Akhtar</i> <i>Pathogens</i> , Volume 12(3), Article Number 392 Impact Factor: 4.531 Quartile: 2 Citations: 1 DOI: 10.3390/pathogens12030392	2023
Elucidating the role of missense SNP of protein kinase C epsilon in HCV-induced hepatocellular carcinoma <i>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</i> <i>BMC Cancer</i> , Volume 23, Article Number 147 Impact Factor: 4.638 Quartile: 2 Citations: 1 DOI: 10.1186/s12885-023-10618-7	2023
Investigation of UTR Variants by Computational Approaches Reveal Their Functional Significance in PRKCI Gene Regulation <i>Hania Shah Khushbukhat Khan Yasmin Badshah Naeem Mahmood Ashraf Maria Shabbir Janeen H. Trembley Tayyaba Afsar Ali Abusharha Suhail Razak</i> <i>Genes</i> , Volume 14, Issue 2, Article Number 247 Impact Factor: 4.141 Quartile: 2 Citations: 3 DOI: 10.3390/genes14020247	2023
Pathogenicity of PKCγ Genetic Variants—Possible Function as a Non-Invasive Diagnostic Biomarker in Ovarian Cancer	2023

<i>Kanza Shahid Khushbukhat Khan Yasmin Badshah Naeem Mahmood Ashraf Arslan Hamid Janeen H Trembley Maria Shabbir Tayyaba Afsar Ali Almajwal Al Abusharha Suhail Razak</i> <i>Genes</i> , Volume 14, Issue 1, Article Number 236 Impact Factor: 4.141 Quartile: 2 Citations: 3 DOI: doi.org/10.3390/ genes14010236	
Analyzing PKC Gamma (+19,506 A/G) polymorphism as a promising genetic marker for HCV-induced hepatocellular carcinoma <i>Fizza Abid Talha Iqbal Khushbukhat Khan Yasmin Badshah Janeen H Trembley Naeem Mahmood Ashraf Maria Shabbir Tayyaba Afsar Ali Almajwal6 Suhail razzak</i> <i>Biomarker Research</i> , Springer Nature Impact Factor: 8.633 Quartile: 1 Citations: 4 DOI: 10.1186/s40364-022-00437-6	2022
PRKCE non-coding variants influence on transcription as well as translation of its gene <i>Khushbukhat Khan Sameen Zaffar Amna Hafeez Yasmin Badshah Kanza Shahid Naeem Mahmood Ashraf Maria Shabbir</i> <i>RNA Biology</i> , Volume 19, Issue 1, Pages 1115-1129 Impact Factor: 4.766 Quartile: 2 Citations: 8 DOI: 10.1080/15476286.2022.2139110	2022
Manipulation of Interleukin-6 (IL-6) and Transforming Growth Factor Beta-1(TGFβ-1) towards viral induced liver cancer pathogenesis <i>Yasmin Badshah Maria Shabbir Khushbukhat Khan Maha Fatima Iqra Majoka Laiba Aslam Huda Munawar</i> <i>PLoS One</i> , Volume 17(10), Article Number e0275834 Impact Factor: 3.752 Quartile: 2 Citations: 2 DOI: 10.1371/journal.pone.0275834	2022
Influence of PRKCE non-synonymous variants on protein dynamics and functionality <i>Khushbukhat Khan Hania Shah Areeba Rehman Yasmin Badshah Naeem Mahmood Ashraf Maria Shabbir</i> <i>Human Molecular Genetics</i> , Volume 31, Issue 13, Pages 2236-2261 Impact Factor: 5.121 Quartile: 1 Citations: 15 DOI: 10.1093/hmg/ddac029	2022
Determining KLF14 tertiary structure and diagnostic significance in brain cancer progression <i>Kainat Zahra Maria Shabbir Yasmin Badshah Janeen H trembley Zunaira Badar Khushbukhat Khan Tayyaba Afsar Ali Almajwal Nawaf W Alruwaili Suhail Razzak</i> <i>Scientific Reports</i> , Volume 12, Article Number 8039 Impact Factor: 4.996 Quartile: 2 Citations: 8 DOI: 10.1038/s41598-022-12072-0	2022
Association of CTLA-4 and IL-4 polymorphisms in viral induced liver cancer <i>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</i> <i>BMC Cancer</i> , Volume 22, Issue 1, Article Number 518 Impact Factor: 4.638 Quartile: 2 Citations: 13 DOI: 10.1186/s12885-022-09633-x	2022
Impact of deleterious missense PRKCI variants on structural and functional dynamics of protein <i>Hania Shah Khushbukhat Khan Naila Khan Yasmin Badshah Naeem Mahmood Ashraf Maria Shabbir</i> <i>Scientific Reports</i> , Volume 12, Issue 1, Article Number 3781 Impact Factor: 4.996 Quartile: 2 Citations: 7 DOI: 10.1038/s41598-022-07526-4	2022
Predicting 3D Structure, Cross Talks, and Prognostic Significance of KLF9 in Cervical Cancer <i>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</i> <i>Frontiers in Oncology</i> , Volume 11, Article Number 797007 Impact Factor: 6.244 Quartile: 2 Citations: 8 DOI: 10.3389/fonc.2021.797007	2022
Tissue microarray profiling and integrative proteomics indicate the modulatory potential of Maytenus royleanus in inhibition of overexpressed TPD52 in prostate cancers <i>Maria Shabbir Hasan Mukhtar Deebe Syed Suhail Razzak Tayyaba Afsar Ali Almajwal Yasmin Badshah Dara Al Disi</i> <i>Scientific Reports</i> , Volume 11, Article Number 11935 Impact Factor: 4.997 Quartile: 2 Citations: 3	2021

DOI: 10.1038/s41598-021-91408-8	
Evaluation of pro-apoptotic potential of taxifolin against liver cancer <i>Sania Safdar Butt Khushbukhat Khan Yasmin Badshah Mehak Rafiq Maria Shabbir</i> <i>PeerJ</i> , Volume 9, Article Number e11276 Impact Factor: 3.061 Quartile: 2 Citations: 31 DOI: DOI 10.7717/peerj.11276	2021
Genetic markers of osteoarthritis: early diagnosis in susceptible Pakistani population <i>Yasmin Badshah Maria Shabbir Hunza Hayat Zoha Fatma Asad Burki Sidra Khan Shafiq ur Rehman</i> <i>Journal of Orthopaedic Surgery and Research</i> , Volume 16, Article Number 124 Impact Factor: 1.777 Quartile: 2 Citations: 19 DOI: https://doi.org/10.1186/s13018-021-02230-x	2021
Unravelling Structure, Localization, and Genetic Crosstalk of KLF3 in Human Breast Cancer <i>Yasmin Badshah Maria Shabbir Mehak Rafiq Khushbukhat Khan Sadia Safi Asma Abbas Erum Dilshad Kainat Zahra</i> <i>BioMed Research International</i> , Volume 2020, Article ID 1354381, 15 pages Impact Factor: 3.411 Quartile: 2 Citations: 14 DOI: https://doi.org/10.1155/2020/1354381	2020
Molecular Docking Using Chimera and Autodock Vina Software for Nonbioinformaticians <i>Sania Safdar Butt Yasmin Badshah Maria Shabbir Mehak Rafiq</i> <i>JMIR Bioinformatics and Biotechnology</i> , Volume 1(1), Article Number e14232 Impact Factor: - Citations: 130 DOI: doi:10.2196/14232	2020
Expression of suppressor of cytokine signaling 3 (SOCS3) and interleukin-6 (-174-G/C) polymorphism in atopic conditions <i>Arooma Jannat Maryam Khan Maria Shabbir Yasmin Badshah</i> <i>PLoS ONE</i> , Volume 14, Issue 6, Article Number e0219084 Impact Factor: 2.740 Quartile: 2 Citations: 7 DOI: 10.1371/journal.pone.0219084	2019
Association of Interleukin-4 (-590 C/T) and Interleukin-6 (-174 G/C) Polymorphism in Pathogenesis and Prognosis of Hepatitis C Virus Infection <i>Njam Arshad Maryam Khan Arooma Jannat Hunza Hayat Yasmin Badshah</i> <i>Journal of Interferon & Cytokine Research</i> , Volume 38, Issue 12, Pages 559-565 Impact Factor: 1.774 Quartile: 4 Citations: 4 DOI: 10.1089/jir.2018.0081	2018
Prevalence of hepatitis B and hepatitis C Virus infections among male to female (MFT) transgenders in Rawalpindi (Pakistan) <i>Hashaam Akhtar Yasmin Badshah Samar Akhtar Faheem Hasan Muhammad Faisal Najam-us-Sahar Sadaf Zaidi Ishtiaq Qadri</i> <i>Advancements in Life Sciences</i> , Volume 5, Issue 2, Pages 46-55 Impact Factor: - DOI: NA	2018
PCR-Based Molecular Diagnosis of Hepatitis Virus (HBV and HDV) in HCV Infected Patients and Their Biochemical Study <i>Yasmin Badshah Muhammad Nasir Riaz Muhammad Faheem Muhammad Ayaz Anwar Ummar Raheel Hashaam Akhtar Kosar Tamanna Muhammad Tahir</i> <i>Najam-us-Sahar Sadaf Zaidi Ishtiaq Qadri</i> <i>Journal of Pathogens</i> , Volume 2016, Article ID 3219793, 8 Pages Impact Factor: - DOI: http://dx.doi.org/10.1155/2016/3219793	2016
Prevalence of human immunodeficiency virus infection among transgender men in Rawalpindi (Pakistan) <i>Hashaam Akhtar Yasmin Badshah Samar Akhtar Naghmana Kanwal Maha Nadeem Akhtar Najam us Sahar Sadaf Zaidi Ishtiaq Qadri</i> <i>Virology Journal</i> , Volume:9, Issue:1, Impact Factor: 2.092 Quartile: 3 Citations: 14 DOI: 10.1186/1743-422X-9-229	2012
Prevalence of antimicrobial resistance and integrons in Escherichia coli from Punjab, Pakistan <i>Yasmin Badshah Idrees Muhammad Mussarat Uzma Qadir Mehmood Bokhari Habib</i> <i>Brazilian Journal of Microbiology</i> , Volume 42(2), Pages 462-466	2011

Impact Factor: 0.896 | **Quartile:** 4 | **Citations:** 30
DOI: <http://dx.doi.org/10.1590/S1517-83822011000200008>

Virulence factors profile of drug-resistant Escherichia coli isolates from urinary tract infections in Punjab, Pakistan

2010

M. Idress U. Mussarat Yasmin Badshah Raheel Qamar Habib Bukhari

European Journal of Clinical Microbiology and Infectious Diseases, Volume 29, Issue 12, Pages 1533-1537

Impact Factor: 2.631 | **Quartile:** 2 | **Citations:** 22

DOI: 10.1007/s10096-010-1036-6

Distribution of hepatitis C virus genotypes, hepatic steatosis and their correlation with clinical and virological factors in Pakistan

2010

Sher Zaman Safi Yasmin Badshah Yasir Waheed Kaneez Fatima Sadia Tahir Alamgir Shinwari Ishtiaq Qadri

Asian Biomedicine, Volume 4, Issue 2, Pages 253-262

Impact Factor: 0.248 | **Quartile:** 4 | **Citations:** 20

DOI: <https://doi.org/10.2478/abm-2010-0032>

Editorial Activities

2021

Reviewed Papers for Journals

Impact Factor: 2.4

Intellectual Property

Copyrights

Patents

A product of real time assay for the detection of BCR-ABL mutation

2023

Status: Filed

Novel real time OCR primers for the detection of SARS CoV-2

2021

Status: Filed

Industrial Designs

Trademarks