C U R R I C U L U M V I T A E

DR. NAJEEB ULLAH KHAN

WORK ADDRESS:



Najeeb Ullah Khan (***Associate Professor***)
Institute of Allied Health Sciences and Emerging Technologies
Faculty of Molecular and Biological Sciences
The University of Agriculture, Peshawar,
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EDUCATION:

Ph.D. **2013 – 2016; Biochemistry and Molecular Biology,** Graduate School of Chinese Academy of Agriculture Sciences, Beijing, China (CAAS).

Thesis title: *Elucidating the molecular mechanism of elicitor proteins to enhance disease resistance (biopesticides as a vaccine)*

M.Phil. **2010 – 2012; Biotechnology,** Institute of Biotechnology and Genetic Engineering, The University of Agriculture Peshawar, Pakistan.

Thesis title: *Response rate of interferon-based therapies among chronic hepatitis C patients in Khyber Pakhtunkhwa.*

B.Sc. (Hons) **2006 – 2009; Biotechnology,** Institute of Biotechnology and Genetic Engineering, The University of Agriculture, Peshawar, Pakistan.

Internship Report: *Prevalence of HBV and HCV in the blood donors* of the *Khyber Pakhtunkhwa population*

EMPLOYMENT:

Associate Professor:	**July 2023 – To date;** Institute of Allied Health Sciences and Emerging Technologies, UAP, KP, Pakistan.
Assistant Professor:	**November 2017 – July 2023;** Institute of Biotechnology and Genetic Engineering **(Health Division)**, UAP, KP, Pakistan.
Lecturer:	**2013 – 2017;** Institute of Biotechnology and Genetic Engineering **(Health Division)** UAP, KP, Pakistan

FUNDING:

1. **Principal Investigator:** Dr. Najeeb Ullah Khan; **Proposal Title:** Validation of blood-based genetic biomarkers for early detection of breast cancer. Grant code: RIG-22/R2-98. Requested amount: 20.0 million. Agency: HRI/NIH, Islamabad, Pakistan. (Submitted & pending, 2023).
2. **Principal Investigator:** Dr. Najeeb Ullah Khan; **Proposal Title:** Identification and validation of breast cancer predisposition genes polymorphism in Khyber Pakhtunkhwa Population. Grant Number, No. PSF/Res/CP/KPK-UAP/Med (277). Requested amount: 10.0 million. Agency: PSF, Islamabad, Pakistan (Submitted & pending, 2023).
3. **Principal Investigator:** Dr. Najeeb Ullah Khan; **Proposal Title:** Investigating the genetic heterogeneity of breast cancer in the Pashtun population through Exome sequencing. No. PSF/Res/CP/KPK-UAP/Med (244). Requested amount: 22.0 million. Agency: PSF, Islamabad, Pakistan (Shortlisted but not funded 2022).
4. **Principal Investigator:** Dr. Najeeb Ullah Khan; **Proposal Title:** Characterization of dengue virus serotypes among infected individuals of KP Pakistan. SRGP Project No. 1818. Requested amount: 05 million. Agency: HEC, Islamabad, Pakistan. Completed

AWARDS & HONORS:

1. Chinese Government Scholarship for PhD (2013-2016).
2. Pakistan Science Foundation travel grant (PSF/P&D/TG-ND/811/2022) to attend an international conference in Dubai.

TEACHING EXPERIENCE & INTERESTS:

Teaching Interests: Biotechnology, Genetics, and Molecular Biology.

Teaching Experience: *I have been teaching at the University level since March 2013.* Over the years, I have taken on a significant teaching workload, 2-3 courses per semester, each of 03 credit hours, and a number of students for research supervision, both undergraduate and Postgraduate.

List of major courses taught:

1. IBGE- 502 Immunology
2. IBGE-312 Principles of Genetics
3. IBGE-415 Molecular Biology
4. Micro-313 Microbial Biotechnology
5. Micro-313 Microbial Biotechnology
6. Micro-502 Human Physiology
7. IBGE-514 Food Biotechnology
8. IBGE-601 Health Biotechnology
9. IBGE-511 Environmental Biotechnology

Teaching Platforms and Applications Used:

1. Whiteboard
2. PowerPoint
3. Multimedia
4. Virtual (Zoom, Google meet, etc)

Students supervised and mentored:

Undergraduate = ~ 30
Postgraduate = ~ 25
Doctoral = 02

It is my pleasure to mention that most of my students are pursuing their higher studies in various countries, such as at the University of Polymath, UK, the University of Ohio, USA, Qatar University, and some others in Italy, Australia, China, Singapore, Taiwan, etc.

My teaching philosophy: My teaching philosophy is deeply rooted in my passion for imparting knowledge and fostering academic excellence. Specializing in cancer genetics and biology, I envision a dynamic learning environment for university students in Biotechnology, Genetics, General Biology, and Human Biology. I advocate for interactive, engaging sessions, encouraging active participation and critical thinking. Incorporating real-world examples and interdisciplinary approaches, I aim to inspire curiosity and intellectual growth. Recognizing diverse student needs, mirroring my research on human genetic variability, I employ inclusive teaching practices, valuing varied backgrounds and perspectives. As an Assistant Professor, I am committed to elevating teaching standards through continuous professional development, collaboration, and innovative methodologies, aligning with your institution's goals.

PUBLICATIONS

Total publications: ~ 80 in (Q1, Q2, Q3–Type Journals)
Citations: 1000 (Till October 2026), ResearchGate and Google Scholar
H-Index: 19

1. Neelma Hassan · Asad Ullah · **Najeeb Ullah Khan** · Zainab Jan · Waqas Ahmad ·Gadah Albasher · Nouf Al Sultan. Integrative genomic and biophysics analysis of MAPK1 rs1057519911 in cervical cancer: genetic association and therapeutic implications. **2026. BMC Cancer**. https://doi.org/10.1186/s12885-026-16946-8. **(IF- 3.4**),
2. Wei Gu[1,2,3,#], Najeeb Ullah Khan[4,#], Huijun Lei[2,3], Jinzhen Fu[1,2,3,], Chengyin Xu[2,3], Xukai Chen[2,3], Xiao-jia Wang[2,5], Tianhui Chen[1,2,3,*]. *BRCA1/2* Mutation Landscape and Clinical Correlates in High-Risk Chinese Breast Cancer Patients. **2026**. **Frontiers in Oncology.** DOI 10.3389/fonc.2026.1792634**. (IF- 3.3).**
3. **Najeeb Ullah Khan1†,** Huijun Lei2,3†, Jinzhen Fu2,3,4†, Ruijiao Lei2,3, Xukai Chen2,3, Sana S. Alqarni5 and Tianhui Chen2,3*. Global prevalence and ethnic variation of pathogenic BRCA1/2 variants in breast cancer: a systematic review and meta-analysis. **2026. Journal of Translational Medicine**. https://doi.org/10.1186/s12967-026-07997-3. **(IF- 7.5)**
4. Wei Gu1,2,3#, Chengyin Xu2,3#, Jinzhen Fu1,2,3#, Huijun Lei2,3, **Najeeb Ullah Khan4**, Ruiiao Lei2,3, Xukai chen2,3, Xiao-jia Wang2,5, Tianhui Chen1,2,3*. Clinical predictors of BRCA1/2 P/LP variants for high-risk breast cancer patients in China: HBRCA-risk prediction. 2026. **Frontiers in Oncology**. DOI: 10.3389/fonc.2026.1779548 **(IF- 3.3).**
5. Khulood Ayad Majeed1 · Raghad Ayad Majeed1,2 · Taisir Khalil Ibrahim3 · **Najeeb Ullah Khan4***. In silico analysis of gene expression signatures and drug repurposing associated with metastatic progression in melanoma (skin cancer). **2026**. **Naunyn-Schmiedeberg's Archives of Pharmacology**. https://doi.org/10.1007/s00210-026-05403-9. **(IF- 3.1)**
6. Anees Muhammad1, Shafaq Ramzan2, Hammad Yousaf2, Rafia Zafar Ghumman3, Farhan Bahadar Ali4, Muhammad Athar Khalily5, Asmat Ali2, Wajid Ali6, Salma Zia, **Najeeb Ullah Khan7**, Muhammad Tahir Sarwar1, Matias Toft8,9, Zafar Iqbal9, Ambrin Fatima2,1. Identification of a Novel Homozygous SCN1B Splice- Site Variant in a Consanguineous Family With Early- Onset Epilepsy: A Case Series and Review of the

Literature. 2026. **Molecular Genetics & Genomic Medicine.** https://doi.org/10.1002/mgg3.70214. **(IF- 1.6)**

7. Hamza M. A. Eid[1], Yahya A. Almutawif[1], **Najeeb Ullah Khan[2]*.** Triad warfare against biofilms: disrupting quorum sensing, nanotechnology-driven precision, and host immunomodulation to conquer antimicrobial resistance. **2026. Archives of Microbiology.** https://doi.org/10.1007/s00203-026-04750-8. **(IF- 2.8)**
8. Mohammed Alfaifi[1], Hossam Kamli[1], **Najeeb Ullah Khan[2]*.** Ahsanullah Unar[3*]. Biomarker Discovery and Drug Repurposing in Hepatocellular Carcinoma Through Transcriptomics, Machine Learning, Network Pharmacology, and Molecular Dynamics. **2026. Computational Biology and Chemistry.** https://doi.org/10.1016/j.compbiolchem.2026.108937 **(IF- 5.5)**
9. Hossam Kamli[1], **Najeeb Ullah Khan[2]*.** Emerging Role of ctDNA Fragmentomics and Epigenetic Signatures in the Early Detection, Minimal Residual Disease Assessment, and Precision Monitoring of Renal Cell Carcinoma. **2026**. **Journal of Cellular and Molecular Medicine. https://doi.org/10.1111/jcmm.71019 (IF- 5.5)**
10. Ahmad M. Alamri[1], Abdullah A Assiri[2], **Najeeb Ullah Khan[3]*.** Nigellidine from *Nigella sativa* Targets AKT1 and GAPDH in Rectal Cancer: Insights from Network Pharmacology and Molecular Dynamics Simulations. **2026**. **Current Pharmaceutical Analysis. https://doi.org/10.1016/j.cpan.2025.12.010 (IF- 1.5)**
11. Hamza M. A. Eid[1], Yahya A. Almutawif [1], **Najeeb Ullah Khan[2]*.** Triad Warfare Against Biofilms: Disrupting Quorum Sensing, Nanotechnology-Driven Precision, and Host Immunomodulation to Conquer Antimicrobial Resistance. **2026**. **Archive of Microbiology**. https://doi.org/10.1007/s00203-026-04750-8. (**IF- 2.6**)
12. Imran Zafar, Muhammad Sohail Khan, Adil Jamal, Shaista Shafiq, **Najeeb Ullah Khan***. Precision therapeutic strategies for Alzheimer's disease: Amyloid β–targeted foundations and multimodal next-generation approaches. **2025**. **Molecular and Cellular Neuroscience**. DOI: 10.1016/j.mcn.2025.104070. (**IF- 2.4**)
13. Amjad Yousuf[1], **Najeeb Ullah Khan[2]*,** Ahsanullah Unar[3]. Meta-Analysis of CYP1A1 MSPI and Ile462Val Polymorphisms in Cancer Susceptibility Among Different Ethnic

Populations. **2025**. **Environmental and Molecular Mutagenesis**. https://doi.org/10.1002/em.70042. (**IF- 2.8**)

14. Hossam Kamli[1], Aisha Shubaili[2], Adil A Yousif[1], Mohamed O Andarawi[3], Magdi M Salih[1], Hassan M. Otifi[4], Saleh M. Al-Qahtani[5], **Najeeb Ullah Khan[6]***. *In-Silico* Identification and Optimization of Therapeutic Peptides Against Breast Cancer via Transcriptomic Profiling. **2025**. **Accepted in Molecular Diversity.** (**IF- 3.9**)
15. Yahya A. Almutawif[1], **Najeeb Ullah Khan[2]***. Gut microbiome dysbiosis and antimicrobial resistance in the Middle East: a converging public health crisis in conflict and fragile settings. **2025**. **Archives of Microbiology**. https://doi.org/10.1007/s00203-025-04574-y. (**IF- 2.8**)
16. Ahmad M. Alamri[1], Abdullah A. Assiri[2], Amjad Yousuf[3], **Najeeb Ullah Khan[4]***. Exploring Nigella Sativa's medicinal capacity against Skin Cancer Pathways using Network Pharmacology and Molecular Docking. **2025. Scientific Reports.** https://doi.org/10.1038/s41598-025-18200-w. (**IF- 3.9**)
17. Ahmad M. Alamri[1], Abdullah A. Assiri[2], **Najeeb Ullah Khan[3]***. Single Nucleotide Variants Associated with Colorectal Cancer Among Saudi Patients: A Systematic Review. **2025. Mutation Research-Reviews in Mutation Research.** https://doi.org/10.1016/j.mrrev.2025.108563 (**IF- 4.5**)
18. Ahmad M. Alamri[1], Abdullah A. Assiri[2], Bushra Khan[3], **Najeeb Ullah Khan[3]***. Next-generation oncology: integrative therapeutic frontiers at the crossroads of precision genomics, immuno-engineering, and tumor microenvironment modulation. **2025. Medical Oncology**. https://doi.org/10.1007/s12032-025-03042-3 (**IF- 3.5**)
19. Tianzhu Wang[1], Tianqi Yi[2], Tong Chen[1], **Najeeb Ullah Khan[3]***, Ye Yuan[4]. Spinal Cord Injury 2.0: Bridging the Gap Between Neurobiology, Technology, and Hope in the Era of Precision Medicine. **2025. Stem Cell Reviews and Reports.** https://doi.org/10.1007/s12015-025-10966-w (**IF- 4.5**)
20. Imran Zafar[1], Shaista Shafiq[1], Adil Jamal[1], Muhammad Shafiq[2], Mohammad Amjad Kamal[3, 5], **Najeeb Ullah Khan[6]***, Mohamed Mohany[7]. Identifying Drug Targets and Evaluating KLK3-Targeted Inhibitors for Prostate Cancer Using *In-silico* and *In-vitro* Approaches. **2025. Medical Oncology**. https://doi.org/10.1007/s12032-025-02896-x (**IF- 3.5**)

21. Ying Zhong[1]. Tingting Wu[2], **Najeeb Ullah Khan[3]***. Comparative Effectiveness of Individual GLP-1 Receptor Agonists on Colorectal Cancer Risk: A Meta-Analysis of Retrospective Cohort Studies. **2025. BMC Gastroenterology**. https://doi.org/10.1186/s12876-025-04211-4 **(IF- 2.8)**
22. Samiyah Alshehri[1], Yahya A. Almutawif [2], **Najeeb Ullah Khan[3]***. Impact of COVID-19 Vaccination on Cancer Patients: Safety, Efficacy, and Long-Term Effects. **2025. Supportive Care in Cancer.** https://doi.org/10.1007/s00520-025-09783-1 **(IF- 3.4)**
23. Imran Zafar[1], Shaista Shafiq[1], Adil Jamal[1], Muhammad Shafiq[2], Mohammad Amjad Kamal[3-5], **Najeeb Ullah Khan[6]***, Mohamed Mohany[7]**.** Identifying Drug Targets and Evaluating KLK3-Targeted Inhibitors for Prostate Cancer Using *In-silico* and *In-vitro* Approaches**. 2025. Accepted, Medical Oncology (IF- 3.5)**
24. Samiyah Alshehri, Bushra Khan, **Najeeb Ullah Khan*,** and Ahsanullah Unar*. The Efficacy of Polatuzumab Vedotin Targeting CD79B in the Treatment of Non-Hodgkin Lymphoma: A Systematic Review and Meta-Analysis. **2025. International Journal of Molecular Sciences.** https://doi.org/10.3390/ijms26146836. **(IF- 5.7)**
25. Ihtesham Arshad [a], Maryum Zainab[b], Ayesha Farooq[c], Saira Zulfiqar[d], Anna Ali[c], Rubina Bibi[e], Shaista Shafiq[f], Imran Zafar[f*], Muhammad Mazhar Ayaz[g], Yahya A. Almutawif[h], **Najeeb Ullah Khan[i]*.** In Silico and *In Vitro* Analysis of Bioactive Compounds from *Ficus benghalensis* as a Novel Approach to Targeting Brain Abscess Pathogen**. 2025. Cell Biochemistry and Biophysics. https://doi.org/10.1007/s12013-025-01823-1 (IF- 2.5)**
26. Azka Syed[1], Hasan Raza[2], Hameer Khan Khaskheli[3], Izza Rafique[4], Sameen Shahid[5], Nimra Shahzadi[6], Abdelrahman Sayed Al Komi[7], Abdullah A Assiri[8], Muhammad Abbas Khokhar[9], **Najeeb Ullah Khan[10]*.** Assessing the Clinical Outcomes of Immunotherapy and Docetaxel Combinations in Metastatic Castration-Resistant Prostate Cancer: A Meta-Analysis. **2025. BMC Cancer.** https://doi.org/10.1186/s12885-025-14575-1, **(IF- 3.4)**
27. Nadia E. Ali[1], Nabeela Tariq[1], Gul Naz[1], Adil Abalkhail[2], Tasleem Kausar[3], Ismail Mazhar[4], Sana Zia[1], Amjad I. Aqib[5], **Najeeb Ullah Khan[6]***. Rett Syndrome: Advances in Understanding MeCP2 Function, Potential Gene Therapies, and Public Health Implications. **2025. Molecular Biology Reports.** https://doi.org/10.1007/s11033-025-10802-x **(IF- 2.50)**

28. Hossam Kamli[1], **Najeeb Ullah Khan[2]***. Revolutionizing cancer intervention: the repercussions of CAR-T cell therapy on modern oncology practices. **2025. Medical Oncology.** https://doi.org/10.1007/s12032-025-02783-5. (**IF- 2.8**)
29. Imran Zafar [a], Ahsanullah Unar [b], **Najeeb Ullah Khan[c]***, Adil Abalkhail [d], Adil Jamal [a]. Molecular Biology in the Exabyte Era: Taming the Data Deluge for Biological Revelation and Clinical Transformation. **2025. Computational Biology and Chemistry.** https://doi.org/10.1016/j.compbiolchem.2025.108535. (**IF- 3.7**)
30. Muhammad Haris, Noreen Asim*, Mahreen ul Hassan, Navid Iqbal, Farheen Shafique, Ijaz Ali, **Najeeb Ullah Khan***. Assessment of petroleum hydrocarbons biodegradation by indigenous Bacillus strains from Khyber Pakhtunkhwa, Pakistan. **2025. Microbial Pathogenesis**. https://doi.org/10.1016/j.micpath.2025.107728 (**IF- 3.5**)
31. Saleem Ahmad1, Imran Zafar2*, Shaista Shafiq2, Laila Sehar3, Hafsa Khalil3, Nida Matloob4, Mehvish Hina8, Sidra Tul Muntaha6, Hamid Khan7, **Najeeb Ullah Khan[6]**, Samreen Rana5, Ahsanullah Unar9, Muhammad Azmat10, Muhammad Shafiq11, Yousef A. Bin Jardan12, Musaab Dauelbait13*and Mohammed Bourhia14. Deep learning-based computational approach for predicting ncRNAs-disease associations in metaplastic breast cancer diagnosis. **2025**. **BMC Cancer**. https://doi.org/10.1186/s12885-025-14113-z **(IF- 3.4)**
32. Mandika Chetry1*, Ruiling Feng2*, Samra Babar3, Hao Sun4, Imran Zafar5, Mohamed Mohany6, Hassan Imran Afridi7, **Najeeb Ullah Khan[8]**, Ijaz Ali9, Muhammad Shafiq10 and Sabir Khan11,12. Early detection and analysis of accurate breast cancer for improved diagnosis using deep supervised learning for enhanced patient outcomes. **2025. PeerJ Computer Science.** https://doi.org/10.7717/peerj-cs.2784 **(IF- 3.8)**
33. **Najeeb Ullah Khan[1]**, Hamza Khan[1], Abdullah R. Alanzi[2], Tianhui Chen[4]. Association of *ESR1*, *HER1*, and *HER2* Polymorphisms with Breast Cancer Risk in the KP Population, A case-control study. **2025. Journal of Mammary Gland Biology and Neoplasia**. https://doi.org/10.1007/s10911-025-09581-9. **(IF- 3.0)**
34. **Najeeb Ullah Khan[1]**, Sana S Alqarni[2], Amjad Yousuf[3], Iqra Shehzad[4], Waqas Khan[1], Wei Gu,[5,6], Tianhui Chen[6]. The Influence of *RAD51* (rs1801320) on Breast Cancer Risk: A Comprehensive Meta-Analysis. **2025. Discover Oncology**. https://doi.org/10.1007/s12672-025-02012-5 **(IF- 2.80)**

35. Ameen S. S. Alwashmi[1], **Najeeb Ullah Khan*[2]**, Tianhui Chen[3]. Risk-benefits assessment of tamoxifen or raloxifene as chemoprevention for risk reduction of breast cancer among *BRCA1* and *BRCA2* carriers: A Meta-analysis. **2025. Scientific Reports.** https://doi.org/10.1038/s41598-025-89915-z **(IF- 3.80)**
36. Sana S Alqarni[1] and **Najeeb Ullah Khan*[2].** Role of Alternative Therapies in Treating Chemotherapy-Resistant Tumors. **2025. Molecular Biology Reports.** https://doi.org/10.1007/s11033-025-10361-1. **(IF- 2.50)**
37. Saleem Ahmad, Li Wang, Imran Zafar, Zain Abbas, Ahsanullah Unar, Mohamed Mohany, Salim S. Al-Rejaie, **Najeeb Ullah Khan**, Ijaz Ali and Muhammad Shafiq*. Informatics Approach Towards Targeting HTR1B Pathways in Neuropharmacology for Migraine Treatment. **2025. Current Neuropharmacology**. **DOI:** 10.2174/011570159X341703250130064735. **(IF- 5.0)**
38. Di Jin[1,2,#], **Najeeb Ullah Khan[3,#]**,Wei Gu[1,4], Huijun Lei[1], Ajay Goel[5, 6*], Tianhui Chen[1,*.] Informatics Strategies for Early Detection and Risk Mitigation in Pancreatic Cancer Patients. **2025. Neoplasia**. https://doi.org/10.1016/j.neo.2025.101129. **(IF- 10.0)**
39. Yumna Khan1. Sana Rizvi2. Ali Raza3. Amna Khan4. Sadique Hussain5. Najeeb Ullah Khan1. Saud O. Alshammari6. Qamar A. Alshammari7. Abdulkarim Alshammari8. Doha El-Sayed Ellakwa9,10. Tailored therapies for triple-negative breast cancer: current landscape and future perceptions. **2025. Naunyn-Schmiedeberg's Archives of Pharmacology**. https://doi.org/10.1007/s00210-025-03896-4. **(IF- 3.1)**
40. Yumna Khan, Md Sadique Hussain, Prasanna Srinivasan Ramalingam, Rabab Fatima, Mudasir Maqbool, Sumel Ashique, **Najeeb Ullah Khan**, Ajay Singh Bisht, Gaurav Gupta. Exploring extracellular RNA as drivers of chemotherapy resistance in cancer. **2025. Molecular Biology Reports.** https://doi.org/10.1007/s11033-025-10263-2 **(IF- 2.50)**
41. Sibte Hassan[1], Nomia Ashraf[2], Khola Hanif[3], **Najeeb Ullah Khan*[4]**. Subcortical Maternal Complex in Female Infertility: A Transition from Animal Models to In-Human Studies. **2025. Molecular Biology Reports**. https://doi.org/10.1007/s11033-025-10220-z, **(IF- 2.50)**
42. Amjad Yousuf[1] and **Najeeb Ullah Khan*[2]**. Targeting MDM2-p53 interaction for breast cancer therapy. **2024. Oncology Research**. https://doi.org/10.32604/or.2025.058956, **(IF- 2.0)**

43. Nadia Liquat[1], Farheen Shafique[2], Sana Khan[3], Mahreen Ul Hassan[1], Abdullah R. Alanzi[4], **Najeeb Ullah Khan*[5].** Investigating the Role of Keratin Proteins and Microbial Associations in Hereditary and Pathogenic Alopecia. **2024. Archives of Dermatological Research. https://doi.org/10.1007/s00403-024-03436-9, (IF- 2.40)**
44. Shehla Khan[1], **Najeeb Ullah Khan*[1]**, Yumna Khan[1], Iqra Shehzad[2], Abdullah R. Alanzi[3], Tianhui Chen[3]**.** Preliminary investigation of *MMP8* (rs11225395) and *MMP9* (rs3787268) Polymorphisms Association with Breast Cancer Risk in Pashtun Women of Pakistan. **2024. Molecular Biology Reports**. https://link.springer.com/article/10.1007/s11033-024-09968-7 **(IF- 2.50)**
45. Ahmad M. Alamri, Faris A. Alkhilaiwi, **Najeeb Ullah Khan***, Reham Mahmoud Mashat, Munazzah Tasleem. Exploring Pathogenic SNPs and Estrogen Receptor Alpha Interactions in Breast Cancer: An In Silico Approach. **2024. Heliyon. https://doi.org/10.1016/j.heliyon.2024.e37297 (IF-3.4)**
46. Gul I Hina[1], **Najeeb Ullah Khan[1]*,** Sidra Tul Muntaha[1], Asad Ullah[1], Sherhayat Khan[1], Abdullah R. Alanzi[2], Ijaz Ali[3], Tianhui Chen[4]*. Association analysis of miRNA-146a and miRNA-196a polymorphism with breast cancer risk in Khyber Pakhtunkhwa, Pakistan: A preliminary study. **2024, Molecular biology Reports. https://link.springer.com/article/10.1007/s11033-024-09765-2 (IF- 2.50)**
47. Madeeha Ihsan[1], **Najeeb Ullah Khan[1]***, Noreen Asim[1], Muhammad Ismail[2], Mikhlid H. Almutairi[3], Ijaz Ali[4], Brian D. Adams[5]. Significant association of candidate genes (*AGTR1* and *TGF-β1*) polymorphism with diabetic nephropathy in diabetes mellitus type 2 patients. **2024. Cellular physiology and biochemistry.** https://cellphysiolbiochem.com/Articles/000702/index.html. **(IF= 4.5)**
48. Maryam Batool[1], **Najeeb Ullah Khan[1]***, Hamza Khan[1], Mikhlid H. Almutairi[2], Ijaz Ali[3]. *BRAF* and *RET* polymorphism association with thyroid cancer risk, a preliminary study from Khyber Pakhtunkhwa Population. **2024. Molecular biology Reports. https://doi.org/10.1007/s11033-024-09480-y (IF- 2.50)**
49. Haris Jan[1], **Najeeb Ullah Khan[1]***, Ayman M. Al-Qaaneh[2], Munazzah Tasleem[3], Mikhlid H. Almutairi[4], Ijaz Ali[5]. *BRCA2* polymorphisms and breast cancer susceptibility: A multi-tools bioinformatics approach. **2024**. **Cellular physiology and biochemistry. https://www.cellphysiolbiochem.com/Articles/000689/index.html (IF= 4.5)**

50. Wafa Sombal[1], **Najeeb Ullah Khan[1]***, Bibi Maryam Khan[2], Muhammad Ismail[3], Mikhlid H. Almutairi[4], Samiullah Khan[5], Aakif Ullah Khan[5], Adeela Mustafa[6], Bushra Iftikhar[6], Ijaz Ali[7]. Human Epidermal Growth Receptor polymorphisms (*HER1*- rs11543848 and *HER2*- rs1136201) exhibited significant association with breast cancer risk in Pashtun population of Khyber Pakhtunkhwa, Pakistan. **2024**. **Health Science Report. https://onlinelibrary.wiley.com/doi/abs/10.1002/hsr2.1846 (IF= 2.0)**
51. Asad Ullah[1], Bibi Maryam Khan[2], **Najeeb Ullah Khan*[1]**, Sidra Tul Muntaha[1], Samiullah Khan[3], Aakif Ullah Khan[3], Mikhlid H. Almutairi[4], Ijaz Ali5. Assessment of *HER1* (rs11543848) and *HER2* (rs1136201) polymorphism and their association with colorectal cancer susceptibility in Khyber Pakhtunkhwa, Pakistan. **2023**, **Molecular Biology Reports.** Volume 51, article number 1, (2024) **https://link.springer.com/article/10.1007/s11033-023-08943-y (IF- 2.50)**
52. Yumna Khan, **Najeeb Ullah Khan***, Ijaz Ali, Samiullah Khan, Aakif Ullah Khan, Aqib Iqbal, Brian D. Adams. Significant association of *BRCA1, BRCA2* and *TP53* gene polymorphisms with breast cancer risk in Khyber Pakhtunkhwa, Pakistan. **2023**, **Molecular Biology Reports.** Volume 50, pages 6087–6096, (2023) **https://link.springer.com/article/10.1007/s11033-023-08463-9. (IF- 2.50)**
53. Ahmad Alamri*, Faris Alkhilaiwi, Najeeb Ullah Khan and Munazzah Tasleem*. In Silico Screening and Validation of Achyranthes aspera as a Potential Inhibitor of BRAF and NRAS in Controlling Thyroid Cancer. 2023, Anti-Cancer Agents in Medicinal Chemistry. Volume 23, Issue 19, 2023. **Page:** [2111-2126] **DOI:** 10.2174/1871520623666230607125258
54. Faiza Hayat1, Najeeb Ullah Khan1*, Aakif Ullah Khan2, Iftikhar Ahmad2, Ahmad M. Alamri3*, Bushra Iftikhar4. Risk association of *RANKL* and *OPG* gene polymorphism with breast to bone metastasis. **2022**. 17(11): e0276813. **PLOS ONE| https://doi.org/10.1371/journal.pone.0276813. (IF- 4.0)**
55. Savera Shahzad[1], **Najeeb Ullah Khan[1]***, Wafa Sombal[1], Rizwan Ullah Shah[1], Aakif Ullah Khan[2], Aqib Iqbal[1], Iqbal Munir1. Estrogen Receptor Alpha (ESR1) gene polymorphism (rs2234693 and rs2046210) with breast cancer risk in Pashtun population of Khyber Pakhtunkhwa. **2022, Molecular Biology reports**. Volume 50, pages 2445–245 https://link.springer.com/article/10.1007/s11033-022-08198-z**. (IF- 2.50)**

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CONFERENCES & SCIENTIFIC MEETINGS:

Conferences, Events, and seminars organized as a chief organizer

1. Organized World Cancer Day Symposium, at Peshawar University, February 02, 2023
2. Organized IBGE Postgraduate Symposium at IBGE, January 18-19, 2023
3. Organized One day Symposium on Cancer Genetics at IBGE, March 01, 2022
4. Organized One day research thesis idea competition at IBGE, February 12, 2019
5. Organized seminar at IBGE on "How to use CRISPR CAS9 in model animals" September 16, 2019

Conferences, Events, and Seminars Attended

1. KMU Genetics Conference, at KMU Peshawar, Pakistan, October 13, 2022
2. Breast Cancer Awareness Session at Iqra National University, Peshawar, at KMU, Peshawar, Pakistan
3. 3rd International Conference, Virology and Infectious Diseases, Dubai, UAE, October 24-25
4. Breast cancer awareness seminar, Department of Biotechnology, BUITEMs, Quetta, October 28, 2022
5. International Conference on Human Genetics and Genomics at Iran, December 1-2, 2021
6. EMBL Conference: Cancer Genomics, EMBL, Heidelberg, November 22-24, 2021
7. 20th Shaukat Khanum Cancer Symposium, Lahore, Pakistan, October, 2021
8. Awareness And Prevention of Genetic Diseases, Peshawar University, October, 2021
9. 1st International conference of microbiology at University of Swabi, April 05–06, 2019
10. PSCO 23rd annual cancer congress at PC Peshawar, March 29–31, 2019
11. Two days 1st International Conference on infectious Diseases, University of Swabi, 2018
12. Two days international conference at Sargodha University, 2017

RESEARCH SKILLS:

Molecular biology techniques:

- DNA and RNA extraction.
- Conventional PCR, Real Time PCR.
- Protein extraction & purification
- Pull down & Yeast two hybrid.
- 2D Gel, ICT Technique.
- ELISA.
- Spectrophotometry.
- Basics of Bioinformatics tools.

ADMINISTRATIVE ACTIVITIES:

1. IBGE Health Division Lab In-Charge
2. IBGE departmental Seminar In-charge
3. IBGE Board of Study Member
4. Exam duties at IBGE and the Main University Campus

ACADEMIC SERVICE & SOCIETY

1. Editorial Board Member in Frontiers of Oncology and Cancer Advances
2. Papers reviewed for various national and international journals (Scientific Reports, Frontiers in oncology, Breast cancer: basic and clinical research, PlosOne, PeerJ, etc)
3. Board of Studies member at University of Swabi, Pakistan
4. Postgraduate Thesis reviewed for various Pakistani Universities
5. Postgraduate thesis viva taken at various Pakistani Universities
6. Projects reviewed for various organizations including Higher Education Commission of Pakistan and Pakistan Science Foundation
7. Academic Societies membership (Cancer Genome Consortia etc)

REFERENCES

* References will be provided upon request