

Naseem Akhter, Ph. D.

Assistant Teaching Professor

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[Google Scholar](https://scholar.google.com/citations?hl=en&user=5q6leZcAAAAJ) (Research articles- 80; Citations- 1,727; h-index- 19)

<https://scholar.google.com/citations?hl=en&user=5q6leZcAAAAJ>

Education

2008- 2011 Ph. D. (Biotechnology) from Jamia Millia, Islamia (A Central University), New Delhi, India. Advisor: Professor SA Husain. Thesis on 'Molecular Analysis of *p21* gene in Indian female breast cancer patients'

2001- 2003 Master of Science (Biotechnology) from Hamdard University, New Delhi, India

1998- 2001 Bachelor of Science from CCS University, Meerut UP, India.

Professional Employment

8/ 2023- Present **Assistant Teaching Professor**
ASU at Lake Havasu, Arizona State University
Lake Havasu City- AZ 86403

Teaching

Fall General Biology (Level I), General Genetics (Level III), and Cell Biology (Level III)

Spring Evolution (Level IV); Genes Development & Evolution (Level IV); Applied Molecular Genetics/Genomics (Level IV); Microbiology (Level II)

Mentorship I mentor students for their Undergraduate Research projects. Of late, my mentored students presented their research at the 65th Annual Arizona-Nevada Academy of Sciences Meeting on April 12, 2024, at ASU West Valley, entitled *Vascular Endothelial Growth Factor A (VEGFA) Promoter -634G>C Polymorphism Confers Protection Against Osteosarcoma and Renal Cell Carcinoma: A Comprehensive Meta-Analysis*. In addition, they showcased their work at the international Environmental Mutagenesis and Genomics Society (EMGS) meeting in Palm Springs, California, on September 9, 2024. The EMGS presentations included a comprehensive meta-analysis on thyroid cancer susceptibility by Ngoc Bao Phuong Ho and a systematic review on endometriosis susceptibility by Dipti Pant.

Research: Publication In 2024, I have co-authored one original research article titled "*Organochlorine pesticides disrupt T helper cell regulation and reduce IL-2 and IFN- γ favoring infection and production of autoantibodies among pemphigus patients*" in *Toxicology in Vitro* (March 2024). Additionally, I co-authored two review articles: "*Exosomes in Vascular/Neurological Disorders and the Road Ahead*" in *Cells* (April 2024), and "*The Impact of Artificial Intelligence on Microbial Diagnosis*" in *Microorganisms* (May 2024). I also contributed to three abstracts: "*Remote ischemic post-conditioning (RIC) mediates neuroprotection in murine traumatic optic neuropathy (TON)*" published in *Investigative Ophthalmology & Visual Science*, Abstract TP303: *Perfluorocarbon Oxygen Limits Functional Impairment and Brain Damage Following Subarachnoid Hemorrhage*, and Abstract WP294: *Endothelial Deletion of Complement C3a Receptor is Neuroprotective in Murine Stroke*, both published in *Stroke*.

Funding Recently, as Co-Principal Investigator (Total PI- 2), I have received \$125,000 funding from the Neurodegenerative Disease Research Center for the fiscal year of 7/2024-6/2025, to elucidate the association between the APOE gene and the onset of Parkinson's disease dementia (PDD), establishing an evidence-based understanding of how different APOE genotypes influence PDD risk. This study will provide a better assessment of APOE-related risk factors. Additionally, I will explore the correlation between lymphocyte subsets, NK cells, and Parkinson's disease (PD) to offer new insights into its pathogenesis.

Editing Currently, I am editing two special issues: *Molecular Mechanisms and Novel Treatments of Stroke*, a special issue of *Biomolecules* (ISSN 2218-273X) under the section "Molecular Biology," ending in 2/ 2025 and *Cellular Mechanisms of Therapy Resistance and Metastasis in Breast Cancer*, a special issue of *Cells* (ISSN 2073-4409) under the section "Cellular Pathology," ending in 12/ 2024.

Service On service front, I am part of the Mental Health Committee as we prepare for a focus group study, planned for Spring 2024, to explore specific barriers students face in accessing health and mental health care, building on our early findings. This will include creating question lists, training administrators, determining recruitment methods, and possibly submitting a new IRB protocol to repeat the survey biannually. I am also part of the Arizona State University at Lake Havasu / Lake Havasu Church of the Nazarene After-School Tutoring Program, where we provide academic support to local students. This initiative aims to enhance student learning by offering tailored guidance and assistance in various subjects.

1/ 2013- 12/ 2021 **Assistant Professor**
Department of Laboratory Medicine, Faculty of Applied Medical Sciences
Al- Baha University, Al- Baha, 65411 KSA

My teaching responsibilities included delivering practical and tutorial sessions for courses in **Microbial Genetics, Immunology, and Molecular Biology** at under graduate level, and mentoring students through their undergraduate research projects. I was also responsible for prior-assessment and subsequent development of curriculum in collaboration with other faculty members.

On the research side, I received a research grant to determine the microbial community composition of water pipe and cigarettes smoked in Al-Baha Region. During this time, I have also been involved in various collaborative research projects and published multiple articles in journals like **PLoS One, Autoimmunity** and **Crit Rev Oncol Hematol** and **Scientific Reports** (<https://www.ncbi.nlm.nih.gov/pubmed/27876780>).

1/2022- 8/2023 **Postdoctoral Research Associate**
Mentor: Dr. Abdullah S. Ahmad (Associate Professor)
Henry Ford Health System, Detroit, MI, USA

- Assessed the protective effects of Perfluorocarbon (PFC) on functional outcomes using an endoperforation mouse model of Subarachnoid hemorrhage (SAH)
- Evaluated neurobehavioral function using standardized behavioral tests, for motor functions, locomotion, and neurological deficit post-SAH
- Assessed the impact of PFC treatment on subarachnoid bleeding and vasospasm in middle cerebral artery (MCA) and anterior cerebral artery (ACA)
- Investigated the protective effects of AMPK activation, along with Arginase-1 and eNOS, following PFC treatment post SAH, focusing on their role in reducing oxidative stress and inflammation
- Analyzed the mitochondrial efficiency in neuroprotection using the oxidative phosphorylation (OXPHOS) system in brain lysates by examining mitochondrial complexes I to V
- Evaluated the role of NETosis in exacerbating vasospasm, disrupting the blood-brain barrier, and poorer neurobehavioral function

7/2011- 11/2012 **Postdoctoral Research Associate**
Mentor: Dr. Shahid Husain (Associate Professor)
Storm Eye Institute, Medical University of South Carolina, Charleston, SC, USA

- Studied signaling pathways involved in the neuro-degeneration and neuro-protection in optic nerve head astrocytes, in-vitro and glaucomatous model, in-vivo
- Undertook production of human primary cell line of optic nerve head (h-ONH) astrocytes, ciliary muscles (h-CM) and trabecular meshwork (h-TM) origin
- Identified specific molecular markers of particular cellular events such as proliferation or cell death
- Assessed axonal integrity under inflammatory stress in retina and the anterior segment of the eye

Additional Research Experience

1/2008- 3/2011 **Graduate Research (Ph.D.)**
Mentor: Professor (Dr) Syed Akhtar Husain
Jamia Millia, Islamia, New Delhi- India
Major Area of research: Genetic analysis of breast cancer patients

- Detected novel mutations in p21 (WAF1/ CDKN1A) gene
- Analysed polymorphisms in p53 and CCND1 genes
- Evaluated epigenetic regulation of promoter region of p21 gene
- Elucidated p21 protein expression in cases of breast cancer

1/2006- 12/2007 **DBT Project Fellowship**
Mentor: Professor G. P. Talwar
Talwar Research foundation, New Delhi- India
Area of research: Development of a Recombinant Vaccine against Prostatic Hypertrophy and Carcinoma of Prostate

- Cloned, expressed & purified LTB-LHRH gene
- Immunized adult male Wistar rats and studied the antibody kinetics and determined the bioefficacy by serum testosterone levels
- Measured prostate size and cisternae after necropsy

1/2004- 12/2005 **DST Project Fellowship**
Mentor: Dr. Madhu Khanna
V. P. Chest Institute, University of Delhi, Delhi- India
Area of Research: Genetic analysis of influenza virus in clinical specimens

- Primer designing using DNASTAR- LASERGENE Software, Reverse Transcription-Polymerase Chain Reaction to amplify the whole HA1 section of the HA gene
- Post PCR Amplified DNA Detection on Agarose Gel Electrophoresis, Restriction Fragment length polymorphism, Heteroduplex Mobility Assay (HMA) and Single Strand Conformation Polymorphism (SSCP) to identify antigenic shift or drift
- Culture of MDCK & Hep2 cells and inoculation with clinical specimens i. e. throat gargle, nasopharyngeal aspirate & Bronchoalveolar Lavage Fluid (BALF); Immunofluorescent test (IF) in order to confirm the influenza virus positivity
- Haemagglutination test for determination of haemagglutinating antigen in MDCK cell supernatants, isolation of Viral RNA from clinical specimens,

12/2002- 6/2003 **MS Research**
Mentor: Prof. P.S.Srivastava
Centre for Biotechnology, Hamdard University, New Delhi

- Carried out the *Agrobacterium tumefaciens* mediated transformation of carnation nodes & callus and Screening of *in-vitro* raised carnation plantlets to establish clonal fidelity using Random Amplification of Polymorphic DNA (RAPD) markers
- Studied the effect of various concentrations of auxin and cytokinin on callusing & morphogenic potentiality of carnation,

5/2002-7/2002 **Summer Internship during MS**
Mentor: Dr. Manu Jaggi
Oncology lab, Dabur Research Foundation, Sahibabad, UP-India

- Maintenance of monolayer of PTC, SiHa, CaCO₂, ECV-304 and Hep-2 cancer cells, Estimation of growth kinetics of different cell lines, measurement of viability by MTT based cytotoxicity assay, Assessment of *in-vitro* cytotoxicity of herbal extract DRF/6/02 in different cancer cell lines in dose- and time-dependent manner, suggesting potential anti-angiogenic activity of herbal extract.

Poster Presentations as Mentor

1. The Association of Tumor Necrosis Factor- α , Interleukin-6, Tumor Protein- 53 Gene Polymorphisms Endometriosis Susceptibility: A Systematic Review and Meta-Analysis. PS078; 55th Annual Meeting of Environmental Mutagenesis and Genomics Society: September 7 –11, 2024 in Palm Springs, CA
2. Polymorphisms of CCAT2, FOXE-1, RET, and PTCSC3 with Thyroid Cancer Susceptibility: A Comprehensive Meta-Analysis. PS074; 55th Annual Meeting of Environmental Mutagenesis and Genomics Society: September 7 –11, 2024 in Palm Springs, CA
3. Vascular Endothelial Growth Factor A (VEGFA) Promoter -634G>C Polymorphism Confers Protection Against Osteosarcoma and Renal Cell Carcinoma: A Comprehensive Meta-Analysis. 65th Annual Arizona-Nevada Academy of Sciences Meeting on April 12, 2024, at Arizona State University West Valley, Arizona

Poster Presentations

1. Remote ischemic post-conditioning (RIC) mediates neuroprotection in murine traumatic optic neuropathy (TON). The Association for Research in Vision and Ophthalmology (ARVO 2024) Annual Meeting from May 5 – 9 in Seattle, Washington.

2. Perfluorocarbon Oxygen Limits Functional Impairment and Brain Damage Following Subarachnoid Hemorrhage. International Stroke Conference (ISC 2024) Annual meeting from February 6 to February 9 at Phoenix, Arizona.
3. Endothelial Deletion of Complement C3a Receptor is Neuroprotective in Murine Stroke International Stroke Conference (ISC 2024) Annual meeting from February 6 to February 9 at Phoenix, Arizona.
4. Blocking of TNF- α induced signaling events by δ - opioid agonists in the optic nerve” as poster in The Association for Research in Vision and Ophthalmology (ARVO 2012), Fort Lauderdale, Florida, USA
5. Delta opioid- receptors play key roles in retinal neuroprotection in XX Biennial Meeting of the International Society for Eye Research (*ISER 2012*), July 21-25, 2012, Berlin, Germany

Oral Presentations

1. Development of a Recombinant Vaccine against Prostatic Hypertrophy and Carcinoma of Prostate. International Symposium on Genomic Instability and Cancer, July 22- 26’ 2007, Srinagar, India
2. Development of a novel recombinant LHRH fusion protein National Symposium on advances in Clinical Biochemistry- Biomarkers, Molecular Diagnosis and Quality Assurances on November 15 & 16’ 2008 at Faculty of Medicine, AMU, India

Abstract Publications

1. Remote ischemic post-conditioning (RIC) mediates neuroprotection in murine traumatic optic neuropathy (TON). *Investigative Ophthalmology & Visual Science* June 2024, Vol.65, 3953.
2. Perfluorocarbon Oxygen Limits Functional Impairment and Brain Damage Following Subarachnoid Hemorrhage. *Stroke*; Feb 2024;55:ATP303
3. Endothelial Deletion of Complement C3a Receptor is Neuroprotective in Murine Stroke. *Stroke*; Volume 55, Number Suppl_1.WP294

Ad hoc Reviewer

1. Microbial Pathogenesis (Elsevier)
2. Asian Pacific Journal of Cancer Prevention (The Asian Pacific Organization for Cancer Prevention (APOCP))
3. European Review for Medical and Pharmacological Sciences (Verduci Editore)
4. Bioscience Reports (Portland Press)
5. Journal of Cellular Biochemistry (Wiley-Liss Inc.)
6. Critical Reviews in Oncology/Hematology (Elsevier)
7. Autoimmunity (Taylor & Francis)
8. Saudi Journal of Biological Sciences (Elsevier)
9. Frontiers in Genetics (Frontiers Media S.A.)
10. Plos One (Plos publications)
11. Current Genomics (Bentham Science Publishers)
12. Seminars in Cancer Biology (Elsevier)
13. Scientific Reports (Nature Portfolio)
14. Breast Cancer: Targets and Therapy (Dove Medical Press)
15. Saudi Pharmaceutical Journal (Elsevier)
16. Indian Journal of Dermatology, Venereology, and Leprology (Scientific Scholar)
17. Infection and Drug Resistance (Dove Medical Press)
18. International Immunopharmacology (Elsevier)
19. Frontiers in Physiology (Frontiers Media S.A.)
20. Gene Reports (Elsevier)
21. Healthcare (MDPI)
22. Cells (MDPI)
23. Oncotarget (Impact Journals)

Editing

1. *Biomolecules. Molecular Mechanisms and Novel Treatments of Stroke*, a special issue under the section "Molecular Biology"
2. *Cells. Cellular Mechanisms of Therapy Resistance and Metastasis in Breast Cancer*, a special issue under the section "Cellular Pathology"



Naseem Akhter

Assistant Teaching Professor,
Arizona State University
Molecular Biology & Genetics

	All	Since 2019
Citations	1727	1504
h-index	19	18
i10-index	50	39

1 article

9 articles

not available

available

Based on funding mandates

TITLE	CITED BY	YEAR
Antimicrobial resistance: a growing serious threat for global public health MA Salam, MY Al-Amin, MT Salam, JS Pawar, N Akhter, AA Rabaan, ... Healthcare 11 (13), 1946	397	2023
Developments in strategies for Quorum Sensing virulence factor inhibition to combat bacterial drug resistance S Haque, F Ahmad, SA Dar, A Jawed, RK Mandal, M Wahid, M Lohani, ... Microbial pathogenesis 121, 293-302	110	2018
Conventional methods and future trends in antimicrobial susceptibility testing MA Salam, MY Al-Amin, JS Pawar, N Akhter, IB Lucy Saudi journal of biological sciences 30 (3), 103582	59	2023
Knowledge of basic life support among the students of Jazan University, Saudi Arabia: Is it adequate to save a life? A Ahmad, N Akhter, RK Mandal, MY Areeshi, M Lohani, M Irshad, ... Alexandria journal of medicine 54 (4), 555-559	56	2018
Meta-analysis reveals <i>PTPN22</i> 1858C/T polymorphism confers susceptibility to rheumatoid arthritis in Caucasian but not in Asian population G Nabi, N Akhter, M Wahid, K Bhatia, RK Mandal, SA Dar, A Jawed, ... Autoimmunity 49 (3), 197-210	52	2016
Vismodegib, itraconazole and sonidegib as hedgehog pathway inhibitors and their relative competencies in the treatment of basal cell carcinomas M Wahid, A Jawed, RK Mandal, SA Dar, S Khan, N Akhter, S Haque Critical reviews in oncology/hematology 98, 235-241	52	2016
Recent developments and obstacles in the treatment of melanoma with BRAF and MEK inhibitors M Wahid, A Jawed, RK Mandal, SA Dar, N Akhter, P Somvanshi, F Khan, ... Critical reviews in oncology/hematology 125, 84-88	49	2018
Dietary isothiocyanates inhibit cancer progression by modulation of epigenome MK Sundaram, R Preetha, S Haque, N Akhter, S Khan, S Ahmad, ... Seminars in Cancer Biology 83, 353-376	48	2022
Microbes in gynecologic cancers: causes or consequences and therapeutic potential M Wahid, SA Dar, A Jawed, RK Mandal, N Akhter, S Khan, F Khan, ...	46	2022

TITLE	CITED BY	YEAR
Seminars in cancer biology 86, 1179-1189		
Interleukin-6-174G> C (rs1800795) polymorphism distribution and its association with rheumatoid arthritis: a case-control study and meta-analysis SA Dar, S Haque, RK Mandal, T Singh, M Wahid, A Jawed, AK Panda, ... Autoimmunity 50 (3), 158-169	45	2017
Delta-opioid agonist SNC-121 protects retinal ganglion cell function in a chronic ocular hypertensive rat model Y Abdul, N Akhter, S Husain Investigative Ophthalmology & Visual Science 54 (3), 1816-1828	45	2013
Pharmacogenetic association between NAT2 gene polymorphisms and isoniazid induced hepatotoxicity: trial sequence meta-analysis as evidence S Khan, RK Mandal, AM Elasbali, SA Dar, A Jawed, M Wahid, H Mahto, ... Bioscience reports 39 (1), BSR20180845	42	2019
Delta-Opioid Receptors Attenuate TNF-α-Induced MMP-2 Secretion from Human ONH Astrocytes N Akhter, M Nix, Y Abdul, S Singh, S Husain Investigative ophthalmology & visual science 54 (10), 6605-6611	37	2013
Phenotypic and functional profile of Th17 and Treg cells in allergic fungal sinusitis G Rai, S Das, MA Ansari, PK Singh, N Gupta, S Sharma, N Akhter, ... International immunopharmacology 57, 55-61	33	2018
Cytomegalovirus aggravates the autoimmune phenomenon in systemic autoimmune diseases EMA Janahi, S Das, SN Bhattacharya, S Haque, N Akhter, A Jawed, ... Microbial pathogenesis 120, 132-139	31	2018
A Meta-analysis of MBL2 Polymorphisms and Tuberculosis Risk MY Areeshi, RK Mandal, N Akhter, SA Dar, A Jawed, M Wahid, H Mahto, ... Scientific Reports 6 (1), 35728	31	2016
Exosomes: a forthcoming era of breast cancer therapeutics B Bondhopadhyay, S Sisodiya, FA Alzahrani, MA Bakhrebah, A Chikara, ... Cancers 13 (18), 4672	25	2021
Impact of COVID-19 on the cerebrovascular system and the prevention of RBC lysis. N Akhter, S Ahmad, FA Alzahrani, SA Dar, M Wahid, S Haque, K Bhatia, ... European Review for Medical & Pharmacological Sciences 24 (19)	20	2020
Inhibition of C298S mutant of human aldose reductase for antidiabetic applications: Evidence from in silico elementary mode analysis of biological network model S Khan, T Bhardwaj, P Somvanshi, RK Mandal, SA Dar, A Jawed, ... Journal of cellular Biochemistry 119 (8), 6961-6973	19	2018
G894T and 4a/b polymorphisms of NOS3 gene are not associated with cancer risk: a meta-analysis	19	2015

TITLE	CITED BY	YEAR
S Haque, RK Mandal, N Akhter, AK Panda, A Hussain, S Khan, M Lohani Asian Pacific Journal of Cancer Prevention 16 (7), 2929-2937		
Acetylsalicylic acid (Aspirin): a potent medicine for preventing COVID-19 deaths caused by thrombosis and pulmonary embolism S Haque, A Jawed, N Akhter, SA Dar, F Khan, RK Mandal, MY Areeshi, ... European Review for Medical and Pharmacological Sciences 24 (18), 9244-9245	18	2020
Superantigen influence in conjunction with cytokine polymorphism potentiates autoimmunity in systemic lupus erythematosus patients SA Dar, EMA Janahi, S Haque, N Akhter, A Jawed, M Wahid, ... Immunologic research 64, 1001-1012	18	2016
Endothelial nitric oxide synthase (eNOS) gene Glu298Asp polymorphism and expression in North Indian preeclamptic women D Sharma, SA Hussain, N Akhter, A Singh, SS Trivedi, J Bhattacharjee Pregnancy Hypertension: An International Journal of Women's Cardiovascular ...	18	2014
A study on promoter methylation of <i>PTEN</i> in sporadic breast cancer patients from North India S Siddiqui, N Akhter, SVS Deo, NK Shukla, SA Husain Breast Cancer 23, 922-931	17	2016
Changing paradigm of antibiotic resistance amongst <i>Escherichia coli</i> isolates in Indian pediatric population T Singh, PK Singh, SA Dar, S Haque, N Akhter, S Das Plos one 14 (4), e0213850	16	2019
Evaluating the association between p53 codon 72 Arg> Pro polymorphism and risk of ovary cancer: a meta-analysis MAA Alqumber, N Akhter, S Haque, AK Panda, RK Mandal PLoS One 9 (4), e94874	16	2014
FcεR1α gene polymorphism shows association with high IgE and anti-FcεR1α in Chronic Rhinosinusitis with Nasal Polyposis SA Dar, G Rai, MA Ansari, N Akhter, N Gupta, S Sharma, S Haque, ... Journal of Cellular Biochemistry 119 (5), 4142-4149	15	2018
<i>IL-10</i> -1082 A>G (rs1800896) polymorphism confers susceptibility to pulmonary tuberculosis in Caucasians but not in Asians and Africans: a meta-analysis MY Areeshi, RK Mandal, SA Dar, A Jawed, M Wahid, M Lohani, AK Panda, ... Bioscience reports 37 (5), BSR20170240	15	2017
Therapeutic potential and critical analysis of trastuzumab and bevacizumab in combination with different chemotherapeutic agents against metastatic breast/colorectal cancer ... M Wahid, RK Mandal, SA Dar, A Jawed, M Lohani, MY Areeshi, N Akhter, ... Critical reviews in oncology/hematology 104, 124-130	15	2016
Association of mutation and hypermethylation of p21 gene with susceptibility to breast cancer: a study from north India N Akhter, MS Akhtar, MM Ahmad, S Haque, S Siddiqui, SI Hasan, ...	15	2014

TITLE	CITED BY	YEAR
Molecular biology reports 41, 2999-3007		
Evaluating the association between Taql variant of vitamin D receptor gene and susceptibility to tuberculosis: a meta-analysis MY Areeshi, RK Mandal, N Akhter, AK Panda, S Haque Toxicology International 21 (2), 140	15	2014
A Genetic Association Study of CCL5 -28 C>G (rs2280788) Polymorphism with Risk of Tuberculosis: A Meta-Analysis MAA Alqumber, RK Mandal, S Haque, AK Panda, N Akhter, A Ali PloS one 8 (12), e83422	15	2013
Genetic polymorphism in TNF-α-308 G/a and TNF-β+ 252 a/G, as prognostic biomarker in breast Cancer patients among Indian population MM Ahmad, F Parveen, N Akhter, JA Siddiqui, NK Shukla, SA Husain Asian Pacific journal of cancer prevention: APJCP 21 (2), 301	14	2020
Bioengineered intravaginal isolate of Lactobacillus plantarum expresses algal lectin scytovirin demonstrating anti-HIV-1 activity EMA Janahi, S Haque, N Akhter, M Wahid, A Jawed, RK Mandal, ... Microbial pathogenesis 122, 1-6	14	2018
Antimicrobial Resistance: A Growing Serious Threat for Global Public Health. Healthcare 2023, 11, 1946 MA Salam, MY Al-Amin, MT Salam, JS Pawar, N Akhter, AA Rabaan, ...	13	2023
Association of MBL2 gene polymorphisms with pulmonary tuberculosis susceptibility: trial sequence meta-analysis as evidence RK Mandal, MA Khan, A Hussain, SA Dar, S Aloufi, A Jawed, M Wahid, ... Infection and drug resistance, 185-210	13	2019
A trial sequential meta-analysis of TNF-α -308G>A (rs800629) gene polymorphism and susceptibility to colorectal cancer RK Mandal, MA Khan, A Hussain, N Akhter, A Jawed, SA Dar, M Wahid, ... Bioscience reports 39 (1), BSR20181052	13	2019
Niacin deficiency modulates genes involved in cancer: Are smokers at higher risk? M Lohani, A Dhasmana, S Haque, SA Dar, A Jawed, M Wahid, ... Journal of cellular biochemistry 120 (1), 232-242	13	2019
Matrix metalloproteinase-2-1306 C> T gene polymorphism is associated with reduced risk of cancer: a meta-analysis S Haque, N Akhter, M Lohani, A Ali, RK Mandal Asian Pacific Journal of Cancer Prevention 16 (3), 889-896	13	2015
Crosstalk of Cyclin-dependent kinase inhibitor 1A (CDKN1A) gene polymorphism with p53 and CCND1 polymorphism in breast cancer. N Akhter, SA Dar, S Haque, M Wahid, A Jawed, S Akhtar, RA Alharbi, ... European Review for Medical & Pharmacological Sciences 25 (12)	12	2021
AA genotype of cyclin D1 G870A polymorphism increases breast cancer risk: Findings of a case-control study and meta-analysis	12	2019

TITLE	CITED BY	YEAR
N Akhter, FA Alzahrani, SA Dar, M Wahid, RSA Sattar, S Hussain, ... Journal of cellular biochemistry 120 (10), 16452-16466		
FOXO1 Gene Downregulation and Promoter Methylation Exhibits Significant Correlation With Clinical Parameters in Indian Breast Cancer Patients MA Khan, S Massey, I Ahmad, Sadaf, N Akhter, M Habib, S Mustafa, ... Frontiers in Genetics 13, 842943	11	2022
Association of mutation and low expression of the CTCF gene with breast cancer progression MS Akhtar, N Akhter, MZ Najm, SVS Deo, NK Shukla, SSR Almalki, ... Saudi Pharmaceutical Journal 28 (5), 607-614	11	2020
MIF -173 G > C (rs755622) Gene Polymorphism Modulates Tuberculosis Risk: Evidence from a Meta-analysis and Trial Sequential Analysis MY Areeshi, RK Mandal, SA Dar, A Jawed, M Wahid, M Lohani, AK Panda, ... Scientific Reports 7 (1), 17003	11	2017
Impact of TNF -308 G>A (rs1800629) gene polymorphism in modulation of leprosy risk: a reappraise meta-analysis of 14 case-control studies MY Areeshi, RK Mandal, SA Dar, A Jawed, M Wahid, M Lohani, AK Panda, ... Bioscience Reports 37 (5), BSR20170806	11	2017
Pembrolizumab's non-cross resistance mechanism of action successfully overthrown ipilimumab M Wahid, N Akhter, A Jawed, SA Dar, RK Mandal, M Lohani, MY Areeshi, ... Critical reviews in oncology/hematology 111, 1-6	11	2017
Tumor necrosis factor (TNF)-α -308G/A (rs1800629) polymorphism distribution in North India and its association with pemphigus: Case-control study and meta ... SA Dar, N Akhter, S Haque, T Singh, RK Mandal, VG Ramachandran, ... Autoimmunity 49 (3), 179-187	11	2016
Nephroprotective effects of polyherbal extract via attenuation of the severity of kidney dysfunction and oxidative damage in the diabetic experimental model MA Kausar, K Parveen, WA Siddiqui, S Anwar, A Zahra, A Ali, R Badraoui, ... Cellular and Molecular Biology 67 (4), 42-55	10	2021
IFN-γ+ 874 A> T (rs2430561) gene polymorphism and risk of pulmonary tuberculosis: a meta-analysis MY Areeshi, RK Mandal, SA Dar, A Jawed, M Wahid, M Lohani, AK Panda, ... Archives of Medical Science: AMS 17 (1), 177	10	2021
No association of the TGF-β1 29T/C polymorphism with breast cancer risk in caucasian and Asian populations: Evidence from a meta-analysis involving 55, 841 subjects MAA Alqumber, SA Dar, S Haque, M Wahid, R Singh, N Akhter Asian Pacific Journal of Cancer Prevention 15 (20), 8725-8734	10	2014
Integron mediated antimicrobial resistance in diarrheagenic Escherichia coli in children: In vitro and in silico analysis T Singh, SA Dar, S Singh, C Shekhar, S Wani, N Akhter, N Bashir, ...	9	2021

TITLE	CITED BY	YEAR
Microbial Pathogenesis 150, 104680		
Deregulated phenotype of autoreactive Th17 and Treg clone cells in pemphigus vulgaris after in-vitro treatment with desmoglein antigen (Dsg-3) MA Ansari, PK Singh, SA Dar, G Rai, N Akhter, D Pandhi, V Gaurav, ... Immunobiology 228 (2), 152340	8	2023
Angiotensin-converting enzyme gene I/D polymorphism is associated with systemic lupus erythematosus susceptibility: an updated meta-analysis and trial sequential analysis S Khan, SA Dar, RK Mandal, A Jawed, M Wahid, AK Panda, M Lohani, ... Frontiers in Physiology 9, 1793	8	2018
Impact of p53 arg72pro SNP on breast Cancer risk in north Indian population N Akhter, SA Dar, S Chattopadhyay, S Haque, R Anwer, M Wahid, ... Current genomics 19 (5), 395-410	8	2018
A trial sequential meta-analysis of IFN-γ+ 874 A> T (rs2430561) gene polymorphism and extrapulmonary tuberculosis risk RK Mandal, M Wahid, A Jawed, SA Dar, AK Panda, N Akhter, M Lohani, ... Microbial pathogenesis 130, 1-9	7	2019
Impact of LMP7 (rs2071543) gene polymorphism in increasing cancer risk: evidence from a meta-analysis and trial sequential analysis RK Mandal, SA Dar, A Jawed, M Wahid, M Lohani, AK Panda, BN Mishra, ... Oncotarget 9 (5), 6572	7	2018
Drug-resistant breast cancer: Dwelling the hippo pathway to manage the treatment S Kaur, MZ Najm, MA Khan, N Akhter, VM Shingatgeri, M Sikenis, Sadaf, ... Breast Cancer: Targets and Therapy, 691-700	6	2021
In silico epitope-based vaccine design against influenza a neuraminidase protein: Computational analysis established on B-and T-cell epitope predictions S Almalki, S Beigh, N Akhter, RA Alharbi Saudi Journal of Biological Sciences 29 (6), 103283	5	2022
Genetic associations of TP53 codon Pro72Arg polymorphism (rs1042522) in coronary artery disease: a meta-analysis of candidate genetic mutants SSR Almalki, MS Akhtar, RA Alharbi, N Akhter Gene Reports 23, 101176	5	2021
Association of the PTEN IVS4 (rs3830675) gene polymorphism with reduced risk of cancer: evidence from a meta-analysis RK Mandal, N Akhter, M Irshad, AK Panda, A Ali, S Haque Asian Pacific Journal of Cancer Prevention 16 (3), 897-902	5	2015
No correlation between TIMP2-418 G> C polymorphism and increased risk of cancer: Evidence from a meta-analysis RK Mandal, N Akhter, S Haque, AK Panda, RD Mittal, MAA Alqumber Plos one 9 (8), e88184	5	2014

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