

Alvina Gul

Associate Professor
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About

Dr. Alvina Gul is working as Associate Professor in the Atta-Ur-Rahman School of Applied Biosciences. Dr. Alvina Gul has a PhD in Biotechnology. Dr. Alvina Gul has published 306 research articles & conference papers having a citation count of 5469, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Biotechnology Quaid-i-Azam University , Pakistan	2006 - 2011
MPhil in Molecular Biology Quaid-i-Azam University , Pakistan	2002 - 2004
MSc in Biochemistry University of Peshawar , Pakistan	1999 - 2001
BSc in Zoology, Botany, Chemistry University of Peshawar , Pakistan	1996 - 1998

Experience

Associate Professor Atta-Ur-Rahman School of Applied Biosciences	2021- Present
Assistant Professor Atta-Ur-Rahman School of Applied Biosciences	2019 - 2021
Assistant Professor Atta-Ur-Rahman School of Applied Biosciences	2013 - 2019
Assistant Professor Atta-Ur-Rahman School of Applied Biosciences	2012 - 2013
Assistant Professor Atta-Ur-Rahman School of Applied Biosciences	2011 - 2012

Research Projects

National Projects	
Molecular and Biochemical characterization of A-genome Synthetic hexaploids for their Glu-1 allelic variation	2011
Funding Agency: HEC	
Amount: PKR 500,000.00	
Status: Completed	

International Projects

Research Articles

Genome-wide association of root growth angle, seminal root numbers, and leaf area in the synthetic hexaploid wheat diversity panel	2025
<i>Maria Khalid Zoya Khalid Zubair Khalid Lee Hickey Awais Rasheed Alvina Gul Rabia Amir</i> <i>Plant Gene</i> , Volume:43, Article Number 100507	
Impact Factor: 2.200 Quartile: 2	
DOI: https://doi.org/10.1016/j.plgene.2025.100507	

Pharmacological evaluation of phage-antibiotic synergism against clinical isolates of multi-drug resistant <i>Staphylococcus aureus</i> in a burn-induced infection mouse model <i>Syed Damin Abbas Hamdani Mustafeez Mujtaba Babar Huma Sajjad Alvina Gul Mudassira Zahid Tausif Ahmed Rajput Aneeqa Noor Madiha Ahmed John J. Dennehy</i> <i>Brazilian Journal of Microbiology</i> , Pages 1-16 Impact Factor: 1.900 Quartile: 4 DOI: 10.1007/s42770-025-01762-2	2025
Photo-Induced Synthesis of Silver Nanoparticles Using <i>Bacillus safensis</i> as Elicitors for Enhanced Growth of Fenugreek in Hydroponic <i>Linta Jadoon Alvina Gul Hunaiza Fatima Rabia Amir Faiza Munir MUASTAFEEZ MUJTABA BABAR</i> <i>Applied Biochemistry and Biotechnology</i> , Pages:21 Impact Factor: N/A Quartile: 2 DOI: https://doi.org/10.1007/s12010-025-05313-1	2025
Evaluation of Wheat Landrace Germplasm for Agronomic Disease Susceptibility and Quality Traits Using Kompetitive Allele-Specific PCR (KASP) Markers <i>Sumaira Salahudin Loddhi Alvina Gul Peter John Rabia Amir Faiza Munir Muhammad Jamil Hadi Alipour Bengu Turkiyalamaz Unal Munir Ozturk</i> <i>Anadolu Journal of Agricultural Sciences</i> , Volume 40, No. 2, Pages 221-238 Impact Factor: N/A DOI: https://doi.org/10.7161/omuanajas.1561421	2025
In silico identification and functional annotation of universal stress protein (USP) gene family in <i>Chenopodium quinoa</i> <i>Hajira Imran Alvina Gul Rehan Zafar Paracha Rabia Amir Faiza Munir Muhammad Faraz Bhatti</i> <i>Scientific Reports</i> , Volume 15, Article Number 18264 Impact Factor: 3.800 Quartile: 1 DOI: https://doi.org/10.1038/s41598-025-03264-5	2025
An A-6 subgroup member of DREB gene family positively regulates cold stress tolerance by modulating an antioxidant defense system in transgenic potato <i>Saba Azeem Faiza Munir Alvina Gul Rabia Amir</i> <i>Scientific Reports</i> , Volume 15, Article Number: 15421 Impact Factor: 3.800 Quartile: 1 Citations: 1 DOI: 10.1038/s41598-025-98886-0	2025
Molecular modelling and gene expression analysis to probe the GT-γ trihelix transcription factors in <i>Solanum tuberosum</i> under drought stress <i>Tayyaba Bint Tariq Faiza Munir ISHRAT JABEEN Alvina Gul Rabia Amir</i> <i>Scientific Reports</i> , Volume 15, Article Number: 12471 Impact Factor: 3.800 Quartile: 1 DOI: https://doi.org/10.1038/s41598-025-96485-7	2025
Computational analysis on non-synonymous single nucleotide polymorphisms (nsSNPs) in L-type lectin receptor kinases (LECRK) protein in <i>Arabidopsis Thaliana</i> <i>Maria Khalid Zoya Khalid Sumra Wajid Abbasi Alvina Gul</i> <i>Journal of Biomolecular Structure and Dynamics</i> , Pages 1-7 Impact Factor: 2.700 Quartile: 2 Citations: 1 DOI: https://doi.org/10.1080/07391102.2025.2477768	2025
Efficient and reproducible DNA delivery methods for trees genome editing <i>Khola Rafique Alvina Gul Bengü Türkyılmaz Ünal Volkan Altay Münir Öztürk</i> <i>Eurasian Journal of Forest Science</i> , Volume 12, Issue 3, Pages 96-113 Impact Factor: N/A DOI: 10.31195/ejefjs.1521281	2024
Overexpression of StDREB30 Gene Enhances Salt Stress Tolerance in Transgenic Potato <i>Qurat-ul-ain Ali Faiza Munir Muhammad Faraz Bhatti Rabia Amir Alvina Gul</i> <i>Potato Research</i> , Pages 1-23 Impact Factor: 2.300 Quartile: 1 DOI: https://doi.org/10.1007/s11540-024-09811-3	2024
Biochar and PGPR: A Winning Combination for Peanut Growth and Nodulation under Dry Spell <i>Tashfeen Alam Fatima Bibi Hunaiza Fatima Faiza munir Alvina Gul Ghulam Haider Muhammad Jahanzaib Rabia Amir</i> <i>Journal of Soil Science and Plant Nutrition</i> , Pages: 16	2024

Impact Factor: 3.4 Quartile: 1 Citations: 2 DOI: https://doi.org/10.1007/s42729-024-02067-3	
Biological Sciences: Radioactivity, Ecosystems and Biodiversity <i>Munir Ozturk Alvina Gul Iqra Siddique Volkan Altay</i> <i>The scientific heritage (Budapest, Hungary)</i>, Volume 1, No. 145, Pages 1-10 Impact Factor: N/A DOI: 10.5281/zenodo.13827171	2024
An ecological study on <i>Betula medwediewii</i> Regel and <i>Veratrum album</i> L. naturally distributed in the subalpine region of West Transcaucasia <i>Munir Ozturk Volkan Altay Alvina Gul Ernaz Altundag Mahir Kucuk</i> <i>Plant & Fungal Research</i>, Volume 7(1), Pages 33-38 Impact Factor: N/A DOI: 10.30546/2664-5297.2024.7.1.33	2024
Cloning and overexpression of the DREB30 gene enhances drought and osmotic stress tolerance in transgenic potato <i>Qurat Ul Ain Ali Faiza Munir Muhammad Tahir Rabia Amir Alvina Gul</i> <i>Journal of Plant Interactions</i>, Volume 19, No. 1, Article Number 2364656 Impact Factor: 2.600 Quartile: 2 Citations: 4 DOI: 10.1080/17429145.2024.2364656	2024
Genome Characterization of Probiotic <i>Lactobacillus delbrueckii</i> Subsp. <i>bulgaricus</i> Strain NDO2 Isolated from Traditional Yogurt using High Throughput Next Generation Sequencing <i>Mati Ullah Muhammad Rizwan Ali Raza Xianlin Zhao Yanling Sun Sarah Gul Muhammad Ihtesham Waheed Muhammad Nadeem Khan Alvina Gul Sami Ullah Jan Chao Huang</i> <i>Pakistan Journal of Zoology</i>, Volume 56, Issue 4 Impact Factor: 0.687 Quartile: 4 Citations: 1 DOI: https://dx.doi.org/10.17582/journal.pjz/20210708190732	2024
The complete mitochondrial genome of <i>Penicillium expansum</i>: Insights into the fungal evolution and phylogeny <i>Mahnoor Malik Fatima Malik Tehsin Fatma Muhammad Qasim Hayat Atif Jamal Alvina Gul Muhammad Faraz Bhatti</i> <i>Gene</i>, Volume 910, Article Number 148315 Impact Factor: 3.5 Quartile: 2 Citations: 2 DOI: 10.1016/j.gene.2024.148315	2024
Alkaloid rich hydroponic chili for AgNPs synthesis against multidrug resistant <i>Staphylococcus aureus</i> infected burn wounds <i>Hunaiza Fatima Alvina Gul Linta Jadoon Syed Damin Abbas Hamdani Tausif Ahmed Rajput Rabia Amir Faiza Munir Mustafeez Mujtaba Babar</i> <i>Process Biochemistry</i>, Volume: 141, Pages 170-178 Impact Factor: 4.4 Quartile: 2 Citations: 1 DOI: 10.1016/j.procbio.2024.03.014	2024
Nano-elicitation and hydroponics: a synergism to enhance plant productivity and secondary metabolism <i>Linta Jadoon Alvina Gul Hunaiza Fatima Mustafeez Mujtaba Babar</i> <i>Planta</i>, Volume:259, Issue:4, Article Number: 80 Impact Factor: 4.3 Quartile: 1 Citations: 4 DOI: 10.1007/s00425-024-04353-x	2024
Genetic diversity, linkage disequilibrium, and population structure of tetraploid wheat landraces originating from Europe and Asia <i>Ehsan Rabieyan Reza Darvishzadeh Reza Mohammadi Alvina Gul Awais Rasheed Fatemeh Keykha Akhar Hossein Abdi Hadi Alipour</i> <i>BMC Genomics</i>, Volume 24, Issue 1, Article Number 682 Impact Factor: 4.4 Quartile: 1 Citations: 5 DOI: https://doi.org/10.1186/s12864-023-09768-6	2023
Cosmetics uses of Plants in Asia <i>Munir Ozturk Iqra Siddique Alvina Gul Andleeb Bukhari Aiman Khan Kiran Maheen Muhammad Jalil Khalid Rameesha Khursheed Umar Rehan Uzmair Khalid Chishiti Salih Gucel Tuba Mert Gonen</i> <i>Journal of the International Society for the History of Islamic Medicine (JISHIM)</i>, Volume 22, Pages 34-48 Impact Factor: N/A DOI: http://www.ishim.net/newsletter.htm	2023

- Molecular and genetic perspectives of cold tolerance in wheat** 2023
 Arzoo Ahad Alvina Gul Tuba Sharf Batool Noor-ul-Huda Faiza Naseer Uzma Abdul Salam Maria Abdul Salam Mahnoor Ilyas Bengu Turkyilmaz Unal5 Munir Ozturk
Molecular Biology Reports, Volume:50, Issue:8, Page:6997-7015
Impact Factor: 2.8 | **Quartile:** 3 | **Citations:** 16
DOI: 10.1007/s11033-023-08584-1
- Comparative Genomic and Functional Characterization of Lactobacillus casei Group (LCG) Probiotic Strains Isolated from Traditional Yogurts by Next-Generation Sequencing** 2023
 Mati Ullah Muhammad Rizwan Ali Raza Xianlin Zhao Yanling Sun Sarah Gul Muhammad Ihtesham Waheed Muhammad Nadeem Khan Alvina Gul Sami Ullah Jan Chao Huang
Pakistan Journal of Zoology, Volume 55 (4),
Impact Factor: 0.687 | **Quartile:** 4 | **Citations:** 1
DOI: 10.17582/journal.pjz/20210711190719
- Genome-wide analysis of heavy metal ATPases (HMAs) in Poaceae species and their potential role against copper stress in Triticum aestivum** 2023
 Tuba Sharf Batool Alvina Gul Rehan Zafar Paracha Mahnoor Ilyas Kathryn De Abreu Faiza Munir Rabia Amir Lorraine E. Williams Roohi Aslam
Scientific Reports, Volume 13, Article Number 7551
Impact Factor: 4.996 | **Quartile:** 2 | **Citations:** 11
DOI: <https://doi.org/10.1038/s41598-023-32023-7>
- Role of Rare Earth Elements in Plants** 2023
 Munir Ozturk Mert Metin Volkan Altay Majeti Narasimha Vara Prasad Alvina Gul Rouf Ahmad Bhat Moonisa Aslam Darvash Sher-E-Kashmir University of Agricultural Sciences and Technology Kamrun Nahar Dilek Unal Bengu Turkyilmaz Unal Pedro García-Caparrós Tomonori Kawano Kristina Toderich Andleeb Shahzadi
Plant Molecular Biology Reporter, Pages 1-24
Impact Factor: 2.1 | **Quartile:** 2 | **Citations:** 25
DOI: <https://doi.org/10.1007/s11105-023-01369-7>
- An integrated remediation approach using combinations of biochar, Rhizobium leguminosarum, and Vigna radiata for immobilizing and dissipating cadmium contaminants from the soil–mustard plant system** 2023
 Qurat-ul-Ain Hira Midhat Mehboob Rimsha Azhar Faiza Munir Alvina Gul Asim Hayat Tariq Shah Rabia Amir
Frontiers in Plant Science, Volume 14, Article Number 1139136
Impact Factor: 6.627 | **Quartile:** 1 | **Citations:** 2
DOI: 10.3389/fpls.2023.1139136
- Anti-MRSA potential of biogenic silver nanoparticles synthesized from hydroponically grown Foeniculum vulgare** 2023
 Hunaiza Fatima Syed Damin Abbas Hamdani Madiha Ahmed Tausif Ahmed Rajput Alvina Gul Rabia Amir Faiza Munir Sohaib Zafar Malik Mustafeez Mujtaba Babar
Phytomedicine Plus, Volume 3, Issue 1, Article Number 100415
Impact Factor: N/A | **Citations:** 15
DOI: <https://doi.org/10.1016/j.phyplu.2023.100415>
- Genome-wide study and expression analysis of Nodule-inception-like protein (NLP) gene family in Physcomitrella patens reveal its role in nitrogen response** 2023
 Sami Ullah Jan Maha Rehman Tahmina Nazish Sohail Ahmad Jan Ayesha Liaqat Mahmoud Moustafa Alvina Gul Noor ul Huda Syeda Marriam Bakhtiyar Sarah Gul Farees ud din Mufti Muhammad Jamil
Pakistan Journal of Botany, Volume 55(1), Pages 1-16
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DOI: 10.30848/ PJB2023-1(41)
- Genome-wide identification, comprehensive characterization of transcription factors, cis-regulatory elements, protein homology, and protein interaction network of DREB gene family in Solanum lycopersicum** 2022
 Hajra Maqsood Faiza Munir Rabia Amir Alvina Gul
Frontiers in Plant Science, Volume 13, Article Number 1031679
Impact Factor: 6.627 | **Quartile:** 1 | **Citations:** 26
DOI: <https://doi.org/10.3389/fpls.2022.1031679>
- Development of mucoadhesive adapalene gel for biotherapeutic delivery to vaginal tissue** 2022
 Hasan Afzaal Shahiq-uz-Zaman Adil Saeed Syed Damin Abbas Hamdani Amir Raza Alvina Gul Mustafeez Mujtaba Babar Jayakumar Rajadas
Frontiers in Pharmacology, Volume:13, Article Number 1017549

Impact Factor: 5.988 Quartile: 1 Citations: 4 DOI: https://doi.org/10.3389/fphar.2022.1017549	
Genome wide identification and characterization of nodulation related genes in <i>Arachis hypogaea</i> <i>Kiran Khurshid Anum Akram Ahmad Ali Faiza Munir Alvina Gul Ghulam Haider Zuhra Qayyum Rabia Amir</i> <i>PLOS ONE</i>, Volume 17, Issue 9, Article Number e0273768 Impact Factor: 3.752 Quartile: 2 Citations: 2 DOI: https://doi.org/10.1371/journal.pone.0273768	2022
Identification and Expression Analysis of Stilbene Synthase Genes in <i>Arachis hypogaea</i> in Response to Methyl Jasmonate and Salicylic Acid Induction <i>Zuhra Qayyum Fatima Noureen Maryam Khan Marrium Khan Ghulam Haider Faiza Munir Alvina Gul Rabia Amir</i> <i>Plants</i>, Volume 11, Issue 13, Article Number 1776 Impact Factor: 4.658 Quartile: 1 Citations: 10 DOI: https://doi.org/10.3390/plants11131776	2022
Capturing Wheat Phenotypes at the Genome Level <i>Babar Hussain Bala A. Akpınar Michael Alaux Ahmed M. Algharib Deepmala Sehgal Zulfiqar Ali Gudbjorg I. Aradottir Jacqueline Batley Arnaud Bellec Alison R. Bentley Halise B. Cagirci Luigi Cattivelli Fred Choulet James Cockram Francesca Desiderio Pierre Devaux Munevver Dogramaci Gabriel Dorado Susanne Dreisigacker David Edwards Khaoula El-Hassouni Kellye Eversole Tzion Fahima Melania Figueroa Sergio Gálvez Kulvinder S. Gill Liubov Govta Alvina Gul Goetz Hensel Pilar Hernandez Leonardo Abdiel Crespo-Herrera Amir Ibrahim Benjamin Kilian Viktor Korzun Tamar Krugman Yinghui Li Shuyu Liu Amer F. Mahmoud Alexey Morgounov Tugdem Muslu Faiza Naseer Frank Ordon Etienne Paux Dragan Perovic Gadi V. P. Reddy Jochen Christoph Reif Matthew Reynolds Rajib Roychowdhury Jackie Rudd Taner Z. Sen Sivakumar Sukumaran Bahar Sogutmaz Ozdemir Vijay Kumar Tiwari Naimat Ullah Turgay Unver Selami Yazar Rudi Appels Hikmet Budak</i> <i>Frontiers in Plant Science</i>, Volume 13, Article Number 851079 Impact Factor: 6.627 Quartile: 1 Citations: 17 DOI: 10.3389/ fpls.2022.851079	2022
Combined application of two <i>Bacillus</i> species enhance phytoremediation potential of <i>Brassica napus</i> in an industrial metal-contaminated soil <i>Alvina Gul Sami Ullah Jan Maha Rehman Muhammad Fayyaz Shafiq Ur Rehman Muhammad Jamil</i> <i>International Journal of Phytoremediation</i>, Volume 24, Issue 6, Pages 652-665 Impact Factor: 4.003 Quartile: 2 Citations: 6 DOI: 10.1080/15226514.2021.1962797	2022
Photoperiod and water-deficient conditions differentially regulate structural flavonoid biosynthetic genes in peanuts <i>Maryam Khan Saman Taufiq Irum Nauman Norina Noor Tooba Iqbal Hina Ali Rehan Zafar Paracha Faiza Munir Alvina Gul Rabia Amir</i> <i>Journal of Plant Interactions</i>, Volume 17(1), Pages 620-631 Impact Factor: 4.208 Quartile: 1 Citations: 1 DOI: https://doi.org/10.1080/17429145.2022.2076940	2022
Interaction Analysis of Adenovirus L5 Protein With Pancreatic Cancer Cell Surface Receptor to Analyze Its Affinity for Oncolytic Virus Therapy <i>Maryam Nisar Rehan Zafar Paracha Alvina Gul Iqra Arshad Saima Ejaz Deedar Murad Zartasha Mustansar Shahzeb Khan</i> <i>Frontiers in Oncology</i>, Volume 12, Article Number 832277 Impact Factor: 5.738 Quartile: 2 Citations: 5 DOI: 10.3389/fonc.2022.832277	2022
Halophytes have potential as heavy metal phytoremediators: A comprehensive review <i>Alvina Gul Pedro García Caparros Munir Ozturk Tuba Sharf Batool Hadi Pirasteh-Anosheh Bengu Turkyilmaz Unal Volkan Altay Kristina N.Toderich</i> <i>Environmental and Experimental Botany</i>, Volume 193, Article Number 104666 Impact Factor: 5.545 Quartile: 1 Citations: 63 DOI: https://doi.org/10.1016/j.envexpbot.2021.104666	2022
Genome-Wide Identification of Stress-Associated Proteins (SAPs) Encoding A20/AN1 Zinc Finger in Almond (<i>Prunus dulcis</i>) and Their Differential Expression during Fruit Development <i>Alvina Gul Muhammad Faraz Bhatti Sidra Fatima Zeeshan Zafar</i> <i>Plants-Basel</i>, Volume 11(1), Article Number 117 Impact Factor: 3.935 Quartile: 1 Citations: 7 DOI: https://doi.org/10.3390/plants11010117	2021
Genome-wide promoter analysis, homology modeling and protein interaction network of Dehydration Responsive Element Binding (DREB) gene family in <i>Solanum tuberosum</i> <i>Quratul-ain Ali Nida Mushtaq Rabia Amir Alvina Gul Muhammad Tahir Faiza Munir</i> <i>PLoS One</i>, Volume 16(12), Article Number e0261215	2021

Impact Factor: 3.240 Quartile: 2 Citations: 42 DOI: 10.1371/journal.pone.0261215	
Genetic gain and G × E interaction in bread wheat cultivars representing 105 years of breeding in Pakistan <i>Uzma Hanif Alvina Gul Rabia Amir Faiza Munir Mark E. Sorrells Hugh G. Gauch Zahid Mahmood Abid Subhani Muhammad Imtiaz Awais Rasheed Hadi Alipour Zhonghu He</i> <i>Crop Science</i> , Volume 62, Issue 1, Pages 178-191 Impact Factor: 2.319 Quartile: 2 Citations: 10 DOI: https://doi.org/10.1002/csc2.20655	2021
Characterization of the genetic basis of local adaptation of wheat landraces from Iran and Pakistan using genome-wide association study <i>Uzma Hanif Hadi Alipour Alvina Gul Kazi Li Jing Reza Darvishzadeh Rabia Amir Faiza Munir Muhammad Kashif Ilyas Abdul Ghafoor Sadar Uddin Siddiqui Amy Bernado Paul St. Amand Guihua Bai Awais Rasheed Zhonghu He Huihui Li Kai Sonder</i> <i>Plant Genome</i> , Article Number e20096, Pages 1-17 Impact Factor: 4.219 Quartile: 1 Citations: 10 DOI: DOI: 10.1002/tpg2.20096	2021
Positional-based cloning ‘fail-safe’ approach is overpowered by wheat chromosome structural variation <i>Alvina Gul Ella Taagen James Tanaka Mark E Sorrells</i> <i>The Plant Genome</i> , Volume 14, Issue 2 , Article Number e20106 Impact Factor: 4.089 Quartile: 1 Citations: 4 DOI: https://doi.org/10.1002/tpg2.20106	2021
Genome-wide analysis, identification, evolution and genomic organization of dehydration responsive element-binding (DREB) gene family in Solanum tuberosum <i>Nida Mushtaq Faiza Munir Alvina Gul Rabia Amir Rehan Zafar Paracha</i> <i>PeerJ</i> , Volume 9, Article Number e11647 Impact Factor: 3.061 Quartile: 2 Citations: 26 DOI: 10.7717/peerj.11647	2021
Expression Characterization of Flavonoid Biosynthetic Pathway Genes and Transcription Factors in Peanut Under Water Deficit Conditions <i>Ghulam Kubra Maryam Khan Faiza Munir Alvina Gul Tariq Shah Adil Hussain David Caparros-Ruiz Rabia Amir</i> <i>Frontiers in Plant Science</i>, Volume 12, Article Number 680368 Impact Factor: 6.627 Quartile: 1 Citations: 17 DOI: https://doi.org/10.3389/fpls.2021.680368	2021
Evaluating the cleavage efficacy of CRISPR-Cas9 sgRNAs targeting ineffective regions of Arabidopsis thaliana genome <i>Afshen Malik Alvina Gul Faiza Munir Rabia Amir Hadi Alipour Mustafeez Mujtaba Babar Syeda Marriam Bakhtiar Rehan Zafar Paracha Zoya Khalid Muhammad Qasim Hayat</i> <i>PeerJ</i> , Volume 9, Article Number e11409 Impact Factor: 3.061 Quartile: 2 Citations: 8 DOI: https://doi.org/10.7717/peerj.11409	2021
Arsenic and Human Health: Genotoxicity, Epigenomic Effects, and Cancer Signaling <i>Munir Ozturk Mert Metin Volkan Altay Rouf Ahmad Bhat Mahnoor Ejaz Alvina Gul Bengu Turkyilmaz Unal Lutfunnahar Nibir Andleep Bukhari Moonisa Aslam Dervash Mirza Hasanuzzaman Kamuran Nahar Tomonori Kawano</i> <i>Biological Trace Element Research</i> , Pages 1-14 Impact Factor: 4.081 Quartile: 2 Citations: 106 DOI: https://doi.org/10.1007/s12011-021-02719-w	2021
Molecular characterization of Leucoanthocyanidin reductase and Flavonol synthase gene in Arachis hypogaea <i>rabia amir Faiza Munir Alvina Gul Ghulam Kubra Maryam Khan Sidra Hussain Tooba Iqbal Jan Muhammad Hina Ali</i> <i>Saudi Journal of Biological Sciences</i>, Volume 28, Issue 4, Pages 2301-2315 Impact Factor: 4.052 Quartile: 2 Citations: 8 DOI: https://doi.org/10.1016/j.sjbs.2021.01.024	2021
Pharmacoinformatics approaches in the discovery of drug-like antimicrobials of plant origin <i>Duaa Ahmad Khan Syed Damin Abbas Hamdani Sahar Iftikhar Sohaib Zafar Malik Najam Us Sahar Sadaf Zaidi Alvina Gul Mustafeez Mujtaba Babar Munir Ozturk Bengu Turkyilmaz Unal Tuba Gonenc</i> <i>Journal of Biomolecular Structure & Dynamics</i> , Pages 1-17	2021

- Impact Factor:** 3.310 | **Quartile:** 2 | **Citations:** 6
DOI: 10.1080/07391102.2021.1894982
- Molecular Biology of Cadmium Toxicity in *Saccharomyces cerevisiae*** 2021
Munir Ozturk Mert Metin Volkan Altay Luigi De Filippis Bengu Turkyilmaz Unal Anum Khursheed Alvina Gul Mirza Hasanuzzaman Kamuran Nahar Tomonori Kawano Pedro García Caparrós
Biological Trace Element Research, Pages 1-15
Impact Factor: 4.081 | **Quartile:** 2 | **Citations:** 29
DOI: <https://doi.org/10.1007/s12011-021-02584-7>
- Nutrigenomics - An emerging field of science and technology unrevealing inter-relationships between nutrients and human genome using modern tools such as transcriptomics, metabolomics, epigenomics and proteomics** 2020
Syeda Namra Haq Raffia Siddique Hafsa Iftikhar Rabia Ejaz Tahira Karim Tayyaba Komal Ghulam Kubra Alvina Gul Volkan Altay Munir Ozturk
Biological Diversity and Conservation, Volume 13(3), Pages 372-380
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DOI: 10.46309/biodicon.2020. 738427
- Classification and Computational Analysis of *Arabidopsis thaliana* Sperm Cell-Specific F-Box Protein Gene 3p.AtFBP113** 2020
Afsheen Malik Alvina Gul Rabia Amir Faiza Munir Mustafeez Mujtaba Babar Syeda Marriam Bakhtiar Muhammad Qasim Hayat Rehan Zafar Paracha Zoya Khalid Hadi Alipour
Frontiers in Genetics, Volume 11, Article Number 609668
Impact Factor: 4.599 | **Quartile:** 2 | **Citations:** 2
DOI: doi: 10.3389/fgene.2020.609668
- Osmoregulation and its actions during the drought stress in plants** 2020
Munir Ozturk Bengu Turkyilmaz Unal Pedro García-Caparrós3 Anum Khursheed Alvina Gul Mirza Hasanuzzaman
Physiologia Plantarum, Pages 1–15
Impact Factor: 4.500 | **Quartile:** 1 | **Citations:** 516
DOI: <https://doi.org/10.1111/ppl.13297>
- Oxidative Stress and Antioxidant Metabolism under Adverse Environmental Conditions: a Review** 2020
Pedro García-Caparrós Luigi De Filippis Alvina Gul Mirza Hasanuzzaman Munir Ozturk Volkan Altay María Teresa Lao
The Botanical Review, Pages 1-46
Impact Factor: 3.083 | **Quartile:** 2 | **Citations:** 337
DOI: <https://doi.org/10.1007/s12229-020-09231-1>
- Chloroplast Genome Sequence of *Artemisia scoparia*: Comparative Analyses and Screening of Mutational Hotspots** 2019
Shabina Iram Muhammad Qasim Hayat Abdullah Ibrar Ahmed Shabina Iram Muhammad Tahir Alvina Gul Kazi Abdullah Ibrar Ahmed
Plants, Vol.8(11), Article Number 476
Impact Factor: 2.762 | **Quartile:** 1 | **Citations:** 50
DOI: <https://doi.org/10.3390/plants8110476>
- Molecular characterization of 87 functional genes in wheat diversity panel and their association with phenotypes under well-watered and water-limited conditions** 2019
Maria Khalid Fakiha Afza Abid Subhani Zahid Mahmood Xianchun Xia Awais Rasheed Zhonghu He Zubair Ahmed Alvina Gul rabia amir
Frontier in Plant Sciences, Volume 10, Article Number 717
Impact Factor: 4.402 | **Quartile:** 1 | **Citations:** 49
DOI: 10.3389/fpls.2019.00717
- Genome-Wide Analyses Reveal Footprints of Divergent Selection and Drought Adaptive Traits in Synthetic-Derived Wheats** 2019
Fakiha Afzal Huihui Li Alvina Gul Abid Subhani Ahmad Ali Abdul Mujeeb-Kazi Francis Ogbonnaya Richard Trethowan Xianchun Xia Zhonghu He Awais Rasheed
G3: Genes, Genomes, Genetics, Volume 9, issue 6, Pages 1957-1973
Impact Factor: 2.781 | **Quartile:** 2 | **Citations:** 38
DOI: 10.1534/g3.119.400010
- Genome-wide association studies of seven agronomic traits under two sowing conditions in bread wheat** 2019
Muhammad Jamil Aamir Ali Alvina Gul Abdul Ghafoor Abdul Aziz Napar Amir M. H. Ibrahim Naima Huma Naveed Nasir Ahmad Yasin Abdul Mujeeb-Kazi
BMC Plant Biology, Volume 19, Article Number 149
Impact Factor: 3.497 | **Quartile:** 1 | **Citations:** 77
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Environmental Pollution and Technological Applications

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Recent Advances in the Use of Bionanotechnology for Bioremediation

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Recent Developments in Narcissus Species Breeding, Genomic Analysis, Biochemistry

Shafia Maryam Alvina Gul

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