

Alvina Gul

Associate Professor
Atta-Ur-Rahman School of Applied Biosciences

Email: alvina_gul@asab.nust.edu.pk
Contact: 5190856134
LinkedIn: <https://www.linkedin.com/in/alvina-gul-54668b125/>



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 5514, 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:** 14
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
Impact Factor: 1.101 | **Quartile:** 4
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: 11 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: 19 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>Qurat-ul-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
Impact Factor: -
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
DOI: 10.1186/s12870-019-1754-6

Identification of recombinants carrying stripe rust resistance gene Yr57 and adult plant stem rust resistance gene Sr2 through marker-assisted selection <i>Sumaira Lodhi Harbans Bariana Mandeep Randhawa Alvina Gul Peter John Urmil Bansal</i> <i>Plant Breeding</i> , Volume 138, Issue 2, Pages 148-153 Impact Factor: 1.662 Quartile: 2 Citations: 2 DOI: 10.1111/pbr.12674	2019
Heavy metal stress and responses in plants <i>Noor Ul Huda Ghori T. Ghori Muhammad Qasim Hayat S. R. Imadi Alvina Gul V. Altay M. Oztuzk</i> <i>International Journal of Environmental Science and Technology</i> , Volume 16, Issue 3, Pages 1807-1828 Impact Factor: 2.540 Quartile: 2 Citations: 705 DOI: 10.1007/s13762-019-02215-8	2019
Characterization of Different aegilopstauschii Accessions in Similar Durum Wheat Background <i>Ghulam Kubra Rabia Amir Mehmoona Ilyas Fakiha Afzal Muhammad Jamil Attiq-ur-Rehman Rattu Shehzad Asad Muhammad Fayyaz Abdul Mujeeb-Kazi Alvina Gul</i> <i>NUST Journal of Natural Sciences</i> , Volume 4, Issue: 1, Pages 64-82 Impact Factor: - DOI: NA	2018
Karnal Bunt Resistance in Synthetic Hexaploid/Bread Wheat Derivatives <i>Sameen Ruqia Imadi Rabia Amir Sumaira Salah-ud-Din Lodhi Peter John Abdul Mujeeb Kazi Alvina Gul</i> <i>NUST Journal of Natural Sciences</i> , Volume 4, Issue: 1, Pages .83-99 Impact Factor: - DOI: NA	2018
Genome-Wide Association Studies for Spot Blotch (Cochliobolus sativus) Resistance in Bread Wheat Using Genotyping-by-Sequencing <i>Muhammad Jamil Aamir Ali Alvina Gul Abdul Ghafoor Amir Ibrahim Abdul Mujeeb-Kazi</i> <i>Phytopathology</i> , Volume 108, Issue 11, Pages 1307-1314 Impact Factor: 3.264 Quartile: 1 Citations: 21 DOI: 10.1094/PHYTO-02-18-0047-R	2018
Resistance potential of Pakistani wheat landraces (Triticum aestivum L.) against stripe rust (puccinia striiformis) and karnal bunt (tilletia indica) <i>Sumaira Salahuddin Lodhi Peter John Hadi Bux Abdul Mujeeb-Kazi Alvina Gul</i> <i>Pakistan Journal of Botany</i> , Volume 50(2), Pages 801-806 Impact Factor: 0.672 Quartile: 4 DOI: https://www.pakbs.org/pjbot/papers/1518737397.pdf	2018
Characterization of Wheat Cell Wall Invertase Genes Associated with Drought Tolerance in Synthetic-Derived Wheat <i>Maria Khalid Zoya Khalid Alvina Gul Rabia Amir Zubair Ahmad</i> <i>International Journal of Agriculture and Biology</i> , Volume 20(12), Pages 2677-2684 Impact Factor: 0.802 Quartile: 3 Citations: 4 DOI: 10.17957/IJAB/15.0809	2018
CYTOLOGICAL AND PHENOLOGICAL CHARACTERIZATION OF ADAPTED GENETIC STOCKS DERIVED FROM Triticum aestivum/ Thinopyrum bessarabicum <i>Anber Hamdani Alvina Gul Hadi Bux Sadaf Tabasum Qureshi Abdul Mujeeb-Kazi</i> <i>Pakistan Journal of Agricultural Sciences</i> , Volume 55, Issue 2, Pages 257-262 Impact Factor: 0.618 Quartile: 3 Citations: 2 DOI: 10.21162/PAKJAS/18.4266	2018
QTL mapping for seedling morphology under drought stress in wheat cross synthetic (W7984)/Opata <i>Maria Khalid Alvina Gul Rabia Amir Mohsin Ali Fakiha Afzal Umar Masood Quraishi Zubair Ahmed Awais Rasheed</i> <i>Plant Genetic Resources: Characterization and Utilization</i> , Pages 1-8 Impact Factor: 0.717 Quartile: 4 Citations: 11 DOI: 10.1017/S1479262118000023	2018
Terminal Drought Stress Adaptability in Synthetic-Derived Bread Wheat is explained by Alleles of Major Adaptability Genes and Superior Phenology <i>Fakiha Afzal Ahmad Ali Zahidullah Hassan Sher Alvina Gul Abdul Mujeeb-Kazi Muhammad Arshad</i> <i>International Journal of Agriculture and Biology</i> , Volume 20, Issue 7, Pages 1623-1631 Impact Factor: 0.802 Quartile: 3 Citations: 11	2018

Analysis of Salinity Tolerance Potential In Synthetic Hexaploid Wheat

2017

Sami ullah Jan Muhammad Jamil Hadi Alipour Muhammad Faraz Bhatti Alvina Gul

Pakistan Journal of Botany, Volume 49, Issue 4, Pages 1269-1278**Impact Factor:** 0.750 | **Quartile:** 4**DOI:** -**Digital Image Analysis of Seed Shape Influenced by Heat Stress in Diverse Bread Wheat Germplasm**

2017

Muhammad Jamil Aamir Ali Abdul Ghafoor Khalid Farooq Akbar Abdul Aziz Napar Naima Huma Naveed Nasim Ahmad Yasin Alvina Gul Abdul Mujeeb-Kazi

Pakistan Journal of Botany, Volume 49, Issue 4, Pages 1279-1284**Impact Factor:** 0.750 | **Quartile:** 4**DOI:** <https://www.pakbs.org/pjbot/papers/1502346999.pdf>**Assessment of Pakistani and Iranian Bread Wheat Landraces using Multivariate Analysis for Grain Yield**

2017

Sumaira Salahuddin Lodhi Peter John Hadi Alipour Muhammad Reza Bihanta Seyed Ali Peyghambari Abdul Mujeeb-Kazi Alvina Gul

Pakistan Journal of Botany, Volume: 49 Issue: 6 Pages: 2451-2458**Impact Factor:** 0.750 | **Quartile:** 4**DOI:** <https://www.pakbs.org/pjbot/papers/1512404775.pdf>**Evaluation of D-genome synthetic hexaploid wheats and advanced derivatives for powdery mildew resistance**

2017

Khola Rafique Chaudhary Abdul Rauf Alvina Gul Hadi Bux Ahmad Ali Rabia Asma Memon Sumaira Farrakh Abdul Mujeeb-Kazi

Pakistan Journal of Botany, Volume 49, Issue 2, Pages 735-743**Impact Factor:** 0.750 | **Quartile:** 4**DOI:** [http://www.pakbs.org/pjbot/PDFs/49\(2\)/43.pdf](http://www.pakbs.org/pjbot/PDFs/49(2)/43.pdf)**Physiological, biochemical and agronomic traits associated with drought tolerance in a synthetic-derived wheat association panel**

2017

Fakiha Afzal Bharath Reddy Alvina Gul Maria Khalid Abid Subhani Kanwal Shazadi Umar Masood Quraishi Amir Ibraahim Awais Rasheed

Crop and Pasture Science, Volume: 68 Issue: 3 Pages: 213-224**Impact Factor:** 1.354 | **Quartile:** 2 | **Citations:** 23**DOI:** 10.1071/CP16367**Yield reduction analysis of bread wheat under heat stress at two different environments in Pakistan**

2017

Muhammad Jamil Aamir Ali Abdul Ghafoor Alvina Gul Khalid Farooq Akbar Humayun Bashir Adeel Ijaz Rameez Hussain Ahmed Muneeb Naima Huma

Naveed Nasim Ahmad Yasin Abdul Aziz Napar Abdul Mujeeb-Kazi

Fresenius Environmental Bulletin, Volume 26, Issue 7, Pages 4602-4605**Impact Factor:** 0.673 | **Quartile:** 4**DOI:**https://www.researchgate.net/publication/318860592_Yield_reduction_analysis_of_bread_wheat_under_heat_stress_at_two_different_environments_in_Pakistan**Jasmonates: Multifunctional Roles in Stress Tolerance**

2016

Parvaiz Ahmad Saiema Rasool Alvina Gul Subzar A Sheikh Nudrat A. Akram Muhammad Ashraf A. M. Kazi Salih Gucel

Frontiers in Plant Science, Volume 7, Article Number 813**Impact Factor:** 4.291 | **Quartile:** 1 | **Citations:** 330**DOI:** 10.3389/fpls.2016.00813**Relationship among water use efficiency, canopy temperature, chlorophyll content and spot blotch (Cocliobolus sativus) resistance in diverse wheat (Triticum aestivum L.) germplasm**

2016

Muhammad Jamil Aamir Ali Khalid Farooq Akbar Abdul Ghafoor Abdul Aziz Napar Shehzad Asad Sajjad Hussain Alvina Gul Abdul Mujeeb-Kazi

Pakistan Journal of Botany, Volume 48, Issue 3, Pages 993-998**Impact Factor:** 0.690 | **Quartile:** 4**DOI:** [http://www.pakbs.org/pjbot/PDFs/48\(3\)/18.pdf](http://www.pakbs.org/pjbot/PDFs/48(3)/18.pdf)**Characterization of Synthetic Hexaploids Derived from Same Aegilops tauschii Accessions and Different Durum Cultivars**

2015

Alvina Gul Awais Rasheed Abdul Aziz Napar Ahmad Ali Hadi Bux Abdul Mujeeb-Kazi Fakiha Afzal Muhammad Jamil Maria Khalid

Cytologia, Volume 80, Issue 4, Pages 427-440**Impact Factor:** 0.227 | **Quartile:** 4 | **Citations:** 13**DOI:** 10.1508/cytologia.80.427**Comparative Assessment of Synthetic-derived and Conventional Bread Wheat Advanced Lines Under Osmotic Stress and Implications for Molecular Analysis**

2015

Ahmad Ali Muhammad Arshad S. M. Saqlain Naqvi Awais Rasheed Hassan Sher Alvina Gul Abdul Mujeeb-Kazi

<i>PLANT MOLECULAR BIOLOGY REPORTER</i> , Volume: 33 Issue: 6 Pages: 1907-1917	
Impact Factor: 2.304 Quartile: 2 Citations: 20	
DOI: 10.1007/s11105-015-0884-8	
Plant transcriptomics and responses to environmental stress: an overview	2015
<i>Sameen Ruqia Imadi Alvina Gul Mohammad Abbas Ahanger Salih Guzel Parvaiz Ahmad</i>	
<i>Journal of Genetics</i> , Volume 94, Issue 3, Pages 525-537	
Impact Factor: 1.108 Quartile: 1 Citations: 64	
DOI: 10.1007/s12041-015-0545-6	
Cytological, phenological and molecular characterization of B(S)-genome synthetic hexaploids (2n=6x=42; AABBSS).	2015
<i>Alvina Gul Awais Rasheed Hadi Bux Abdul Aziz Napar Ahmad Ali Abdul Mujeeb-Kazi</i>	
<i>Cereal Research Communications</i> , Volume 43 Issue 2 Pages 179-188	
Impact Factor: 0.528 Quartile: 3 Citations: 10	
DOI: 10.1556/CRC.2014.0043	
Assessment of the D-genome based genetic diversity of drought tolerant wheat germplasm	2015
<i>Muhammad Faheem Talat Mahmood Ghulam Shabbir Name Akhtar Alvina Gul Abdul Mujeeb-Kazi</i>	
<i>International Journal of Agriculture and Biology</i> , Volume 17, Issue 4, Pages 791-796	
Impact Factor: 0.758 Quartile: 2 Citations: 11	
DOI: 10.17957/IJAB/14.0018	
Performance of diverse wheat genetic stocks under moisture stress condition	2015
<i>Misbah Seher Ghulam Shabbir Awais Rasheed Alvina Gul Tariq Mahmood Abdul Mujeeb-Kazi</i>	
<i>Pakistan Journal of Botany</i> , Volume 47, Issue 1, Pages 21-26	
Impact Factor: 0.658 Quartile: 4	
DOI: https://www.pakbs.org/pjbot/PDFs/47(1)/03.pdf	
Alleviation of cadmium toxicity in Brassica juncea L. (Czern. & Coss.) by calcium application involves various physiological and biochemical strategies.	2015
<i>Parvaiz Ahmad Maryam Sarwat Nazir Ahmad Bhat Mohammad Rafiq Wani Alvina Gul Lam-Son Phan Tran</i>	
<i>PLoS ONE</i> , Volume 10, Issue 1, Article Number e0114571	
Impact Factor: 3.057 Quartile: 1 Citations: 342	
DOI: 10.1371/journal.pone.0114571	
Plant Exomics; concepts, applications and methodologies in crop improvement	2015
<i>Uzair Hashmi Saima Shafqat Faria Khan Misbah Majid Harris Hussain Alvina Gul Riffat John Parvaiz Ahmad</i>	
<i>Plant Signalling and Behavior</i> , Volume 10, Issue 1, Article Number e976152	
Impact Factor: - Citations: 13	
DOI: 10.4161/15592324.2014.976152	
Analysis of genetic diversity in synthetic wheat assemblage (T. turgidum × Aegilops tauschii; 2n = 6x = 42; AABBDD) for winter wheat breeding.	2014
<i>Uzma Hanif Awais Rasheed Alvina Gul Fakiha Afzal Maria Khalid Muhammad Munir Abdul Mujeeb-Kazi</i>	
<i>Cytologia</i> , Volume 79 Issue 4 Pages 485-500	
Impact Factor: 0.205 Quartile: 4 Citations: 4	
DOI: 10.1508/cytologia.79.485	
QTL mapping of wheat doubled haploids for chlorophyll content and chlorophyll fluorescence kinetics under drought stress imposed at anthesis stage.	2014
<i>Mehmooza Ilyas Noshin Ilyas Muhammad Arshad Alvina Gul Abdul Mujeeb-Kazi Abdul Waheed</i>	
<i>Pakistan Journal of Botany</i> , Volume 46, Issue 5, Pages 1889-1897	
Impact Factor: 0.822 Quartile: 3	
DOI: -	
Heavy metal induced adaptation strategies and repair mechanisms in plants.	2014
<i>Tayyaba Komal Midhat Mustafa Zeshan Ali Alvina Gul</i>	
<i>Journal of Endocytobiosis and Cell Research</i> , Volume 25, Pages 33-41	
Impact Factor: 0	
DOI: -	
Exploitation of synthetic-derived wheats through osmotic stress responses for drought tolerance improvement	2014
<i>Ahmad Ali Muhammad Arshad S. M. Saqlain Naqvi Manzoor Ahmad Hassan Sher Sammer Fatima Alvina Gul Awais Rasheed Abdul Mujeeb-Kazi</i>	
<i>Acta Physiologiae Plantarum</i> , Volume 36, Issue 9, Pages 2453-2465	

Impact Factor: 1.584 Quartile: 2 Citations: 15 DOI: 10.1007/s11738-014-1618-5	
Sugarcane straw and bagasse <i>Alvina Gul Rida Rehman</i> <i>Book on Biomass and Bioenergy: Processing and Properties</i> , 1st Edition, Chapter 9, Pages 141-155 Impact Factor: N/A Citations: 1 DOI: 10.1007/978-3-319-07641-6_9	2014
Plant secretomics: Identification, isolation, and biological significance under environmental stress <i>Tehreem Tanveer Kanwal Shaheen Sajida Parveen Alvina Gul Parvaiz Ahmad</i> <i>Plant Signaling and Behavior</i> , Volume 9, Issue 8, Article e29426 Impact Factor: 0 Citations: 28 DOI: 10.4161/psb.29426	2014
Evaluation of Pakistani Elite Wheat Germplasm for T1BL.1RS Chromosome Translocation <i>Romesa Tahir Hadi Bux Awais Rasheed Abdul Aziz Napar S. U. Ajmal A. Mujeeb-Kazi Alvina Gul</i> <i>Journal of Agricultural Science and Technology</i> , Volume 16, Issue 2, Pages 421-432 Impact Factor: 0.699 Quartile: 2 DOI: -	2014
Phenotypic and genotypic characterization of wheat landraces of Pakistan <i>Rabia Amir Nasir M. Minhas Alvina Gul Sumaira Farrakh Ahmad Ali Hadi Bux A. Mujeeb-Kazi</i> <i>Emirates Journal of Food and Agriculture</i> , Volume 26 Issue 2 Pages 157-163 Special Issue SI Impact Factor: 0 Citations: 7 DOI: 10.9755/ejfa.v26i2.17008	2014
Mapping of durable stripe rust resistance in a durum wheat cultivar Wollaroi. <i>Urmil Bansal Alvina Gul Baljit Singh Ray A Hare Harbans Bariana</i> <i>Molecular Breeding</i> , Volume 33 Issue 1 Pages 51-59 Impact Factor: 2.246 Quartile: 1 Citations: 87 DOI: 10.1007/s11032-013-9933-x	2014
Stripe rust resistance in Triticum durum - T. monococcum and T. durum - T. urartu amphiploids <i>Sadia Ahmed Hadi Bux Awais Rasheed Alvina Gul Abdul Rauf Tariq Mahmood Abdul Mujeeb-Kazi</i> <i>Australasian Plant Pathology</i> , Volume 43 Issue 2 Pages 109-113 Impact Factor: 0.953 Quartile: 3 Citations: 14 DOI: 10.1007/s13313-013-0237-8	2014
Molecular diversity in some A-genome wheat amphiploids (2n = 2x = 42; BBAAAA). <i>Sadia Ahmad Hadi Bux Alvina Gul Abdul Wajid Channa Sadaf Tabassum Qureshi Aijaz Ahmed Soomro Mahboob Ali Sial Abdul Rauf Abdul Mujeeb-Kazi</i> <i>Pakistan Journal of Biotechnology</i> , Volume 11, Issue 2, Pages 111-121 Impact Factor: 0 DOI: -	2014
Virosomes-Hybrid Drug Delivery Systems <i>Mustafeez Mujtaba Babar Alvina Gul Abdul Rehman Najam-us-Sahar Sadaf Zaidi</i> <i>Journal of Antivirals and Antiretrovirals</i> , Volume 5, Issue 7, Pages 166-172 Impact Factor: 0 Citations: 5 DOI: 10.4172/jaa.1000083	2013
Genetic diversity for wheat improvement as a conduit to food security <i>A. Mujeeb-Kazi Alvina Gul Ian Dundas Awais Rasheed Francis Ogbonnaya Masahiro Kishii David Bonnett Richard Wang Steven Xu Peidu Chen Tariq Mahmood Hadi Bux Sumaira Farrakh</i> <i>Advances in Agronomy</i> , Volume 122, Pages 179-257 Impact Factor: 5.021 Quartile: 1 Citations: 130 DOI: 10.1016/B978-0-12-417187-9.00004-8	2013
Molecular evaluation of D-genome based double haploid mapping population of wheat using SSR primers. <i>Misbah Safdar Hadi Bux Alvina Gul Abdul Wajid Channa Ahmad Ali Zahid Akram Abdul Mujeeb-Kazi</i> <i>Pakistan Journal of Biotechnology</i> , Volume 10, Issue 1, Pages 27 – 35 Impact Factor: 0 DOI: -	2013
Antiviral drug therapy- exploiting medicinal plants	2013

Genetic diversity assessment of cereal cyst nematode resistant wheat genotypes using different molecular marker systems.

2013

Erum Iqbal A. Mujeeb-Kazi Alvina G Kazi F. Shahina

Pakistan Journal of Nematology, Volume 31, Issue 2

Impact Factor: 0

DOI: -

Synthetic hexaploids: Harnessing species of the primary gene pool for wheat improvement

2013

Alvina Gul Francis C. Ogonnaya Osman Abdalla Abdul Mujeeb-Kazi Steven S. Xu Nick Gosman Evans S. Lagudah David Bonnett Mark E. Sorrells Hisashi Tsujimoto

Plant Breeding Reviews, Volume 37, Issue 1, Pages 35-122

Impact Factor: N/A | Citations: 201

DOI: 10.1002/9781118497869.ch2

Glu-Dt1 Allelic Variation in Synthetic Hexaploid wheats derived from durum cultivar 'Decoy' × Aegilops tauschii accessional crosses

2013

Madeeha Khalid Tariq Mahmood Awais Rasheed Alvina Gul Ahmad Ali Abdul Mujeeb-Kazi

Pakistan Journal of Botany, Volume 45, Pages 409-414, Special Issue 1

Impact Factor: 1.207 | Quartile: 3

DOI: -

Comparative assessment of glutenin composition and its relationship with grain quality traits in bread wheat and synthetic derivatives

2013

Ahmad Ali Muhammad Arshad Anna Maria Mastrangelo Pasquale De Vita Alvina G Kazi Abdul Mujeeb-Kazi

Pakistan Journal of Botany, Volume 45, Pages 289-296

Impact Factor: 1.207 | Quartile: 3

DOI: [http://www.pakbs.org/pjbot/abstracts/45\(S1\)/38.html](http://www.pakbs.org/pjbot/abstracts/45(S1)/38.html)

An overview of stripe rust of wheat (Puccinia striiformis f. sp. tritici) in Pakistan

2012

Alvina Gul Hadi Bux Awais Rasheed Mahboob Ali Siyal Abdul Aziz Napar A. Mujeeb-Kazi

Archives of Phytopathology and Plant Protection, Volume 45, Issue 19, Pages 2278-2289

Impact Factor: N/A | Citations: 24

DOI: 10.1080/03235408.2012.726399

Powdery mildew resistance in some new wheat amphiploids (2n=6x=42) derived from A- and B-genome diploid progenitors.

2012

Khola Rafique Awais Rasheed Alvina Gul Kazi Hadi Bux Farah Naz Tariq Mahmood Abdul Mujeeb-Kazi

Plant Genetic Resources, Volume 10, Issue 3, Pages 165-170

Impact Factor: 0.728 | Quartile: 3 | Citations: 7

DOI: 10.1017/S1479262112000202

Characterization of HMW-GS and evaluation of their diversity in elite synthetic hexaploid wheats

2012

Awais Rasheed Tania Safdar Alvina G Kazi Tariq Mahmood Zahid Akram A. Mujeeb-Kazi

Breeding Science, Volume 62, Issue 4, Pages 365-370

Impact Factor: 1.040 | Quartile: 2 | Citations: 19

DOI: 10.1270/jsbbs.62.365

Molecular and Morphological diversity with biotic stress resistances of high 1000-grain weight Synthetic hexaploid wheats.

2012

Alvina G Kazi Awais Rasheed Tariq Mahmood A. Mujeeb-Kazi

Pakistan Journal of Botany, Volume 44, Issue 3, Pages 1021-1028

Impact Factor: 0.872 | Quartile: 3

DOI: -

High Molecular Weight glutenin subunit composition of the elite II Synthetic hexaploid wheat subset (Triticum turgidum x Aegilops tauschii, 2n=6x=42; AABBDD)

2012

Amna Bibi Awais Rasheed Alvina Gul Tariq Mahmood Saifullah Ajmal Iftikhar Ahmed A. Mujeeb-Kazi

Plant Genetic Resources, Volume 10, Issue 1, Pages 1-4

Impact Factor: 0.728 | Quartile: 3 | Citations: 14

DOI: 10.1017/S1479262111000888

Allelic variation and composition of HMW-GS in advanced derivatives from D- genome synthetic hexaploid × Bread wheat cross combinations <i>Awais Rasheed Tariq Mahmood Alvina G Kazi Abdul Ghafoor A. Mujeeb-Kazi</i> <i>Journal of Crop Science and Biotechnology</i> , Volume 15, Issue 1, Pages 1-7 Impact Factor: N/A DOI: 10.1007/s12892-011-0088-1	2012
Stripe rust analysis of D-Genome synthetic wheats (2n = 6x = 42, AABBDD) and their molecular diversity. <i>Mian Abdul Rahman Arif Hadi Bux Alvina Gul Kazi Awais Rasheed Abdul Aziz Napar Abid Riaz Abdul Mujeeb-Kazi</i> <i>Archives of Phytopathology and Plant Protection</i> , Pages 1-9 Impact Factor: 0 Citations: 4 DOI: 10.1080/03235408.2012.677492	2012
Rebirth of Synthetic hexaploids with global implications for wheat improvement. <i>A. Mujeeb-Kazi Alvina Gul Muhammad Farooq Sumaira Rizwan Iftikhar Ahmad</i> <i>Australian Journal of Agricultural Research</i> , Volume 59, Issue 5, Pages 391-398 Impact Factor: 1.132 Quartile: 2 Citations: 70 DOI: 10.1071/AR07226	2008
Production and Cytogenetics of a new Thinopyrum elongatum / Triticum aestivum hybrid, its amphiploid and backcross derivatives <i>A Mujeeb-Kazi Alejandro Cortes Alvina Gul Muhammad Farooq Farah Majeed Iftikhar Ahmad Hadi Bux Manilal William Victor Rosas Roman Delgado</i> <i>Pakistan Journal of Botany</i> , Volume 40, Issue 2, Pages 565-579 Impact Factor: 0.470 Quartile: 4 DOI: -	2008
Cytogenetics of intergeneric hybrids between durum wheat (Triticum turgidum L.) with Thinopyrum intermedium and sub-species acutum, glaucum, pulcherrimum, trichophorum varnense. <i>A. Mujeeb-Kazi Alvina Gul Sumaira Rizwan Muhammad Farooq Hadi Bux Iftikhar Ahmad Javed Iqbal Mirza Roman Delgado Victor Rosas Alejandro Cortes</i> <i>Pakistan Journal of Botany</i> , Volume 39, Issue 4, Pages 1217-1227 Impact Factor: 0.290 Quartile: 4 DOI: -	2007
Aegilops tauschii as a Spot blotch (Cochliobolus sativus) resistance source for bread wheat improvement <i>A. Mujeeb-Kazi Alvina Gul Iftikhar Ahmad Mohammad Farooq Sumaira Rizwan Hadi Bux Shamim Iftikhar Shahzad Asad Roman Delgado</i> <i>Pakistan Journal of Botany</i> , Volume 39, Issue 4, Pages 1207-1216 Impact Factor: 0.290 Quartile: 4 DOI: -	2007
Cytogenetics of some Triticum aestivum and T. turgidum × Aegilops variabilis hybrids and their derived amphiploids <i>A Mujeeb-Kazi Alvina Gul Muhammad Farooq Sumaira Rizwan Sobia Tabassum Hadi Bux M. Ashraf</i> <i>Pakistan Journal of Botany</i> , Volume 39, Issue 2, Pages 415-420 Impact Factor: 0.290 Quartile: 4 DOI: -	2007
Genetic diversity of Aegilops variabilis (2n = 4x = 28; UUSS) for Wheat Improvement: Morpho-cytogenetic characterization of some derived amphiploids and their practical significance <i>A. Mujeeb-Kazi Alvina Gul Muhammad Farooq Sumaira Rizwan Javed Iqbal Mirza</i> <i>Pakistan Journal of Botany</i> , Volume 39, Issue 1, Pages 57-66 Impact Factor: 0.290 Quartile: 4 DOI: -	2007
Karnal bunt resistance in Synthetic Hexaploid wheats (SH) derived from durum wheat × Aegilops tauschii combinations and in some SH × bread wheat derivatives <i>A Mujeeb-Kazi G. Fuentes-Davilla Alvina Gul Javed Iqbal Mirza</i> <i>Cereal Research Communication</i> , Volume 34, Issue 4, Pages 1199-1205 Impact Factor: 1.037 Quartile: 2 Citations: 23 DOI: 10.1556/CRC.34.2006.4.259	2006
Haploid production variation in several durum wheat cultivars and their synthetic hexaploid derivatives. <i>A Mujeeb-Kazi Alvina Gul J. I. Mirza</i> <i>Pakistan Journal of Botany</i> , Volume 38, Issue 2, Pages 407-415	2006

Impact Factor: 0.106 | Quartile: 4
DOI: -

A simplified and effective protocol for production of bread wheat haploids (n=3x=21, abd) with some application areas in wheat improvement

A Mujeeb-Kazi Alvina Gul J Ahmed J I Mirza

Pakistan Journal of Botany, Volume: 38 Issue: 2 Pages: 393-406

Impact Factor: 0.106 | Quartile: 4

DOI: -

2006

Book Chapters

Environmental Pollution and Technological Applications

Khola Rafique Alvina Gul Volkan Altay Munir Ozturk Pedro Garcia Caparros

In: *Agricultural Biotechnology Issues, Challenges, and Recent Developments*, 1st Edition, Chapter 12, Pages 279-300

Citations: N/A

DOI: <https://doi.org/10.1201/9781003638087-12>

2025

Nanobiosensors to Detect Environmental Pollution

Alvina Gul Noor Ul huda Tuba sharf Batool Warda Jabbar Volkan Altay Fazilet Vardar Sukan Munir Ozturk

In: *Agricultural Biotechnology Issues, Challenges, and Recent Developments*, 1st Edition, Chapter 10, Pages 231-264

Citations: N/A

DOI: <https://doi.org/10.1201/9781003638087-10>

2025

Recent Advances in the Use of Bionanotechnology for Bioremediation

Munir Ozturk Sarah Fatima Shafia Maryam Sidra Urooj Fareeha Iqbal Laila Tul Qadar Syeda Gul Nisa Muhammad Raza Kaleem Alvina Gul Volkan Altay Bengu Turkyilmaz Unal Fazilet Vardar Sukan

In: *Agricultural Biotechnology Issues, Challenges, and Recent Developments*, 1st Edition, Chapter 8, Pages 177-215

Citations: N/A

DOI: <https://doi.org/10.1201/9781003638087-8>

2025

In Silico Approaches for Green Agriculture

Hajira Imran Alvina Gul Bengu Turkyilmaz Unal Munir Ozturk

In: *Allelopathy Bioactive Secondary Metabolites for an Eco-Friendly Agriculture*, 1st Edition, Chapter 13, Pages 283-321

Citations: N/A

2025

Environmental Health: An Urgent Matter

Munir Ozturk Aneeqa Hanif Alvina Gul Volkan Altay

In: *Allelopathy Bioactive Secondary Metabolites for an Eco-Friendly Agriculture*, 1st Edition, Chapter 2, Pages 49-66

Citations: N/A

2025

Allelochemicals Against Phytopathogens

Iqra Siddique Alvina Gul Bengu Turkyilmaz Unal Munir Ozturk

In: *Allelopathy Bioactive Secondary Metabolites for an Eco-Friendly Agriculture*, 1st Edition, Chapter 11, Pages 225-254

Citations: N/A

2025

Synthetic Pesticides and Environmental Pollution

Munir Ozturk Alvina Gul Noor-Ul-Ain Malik Oushna Fajer Attia rubab Khalid Volkan Altay Bengu Turkyilmaz Unal

In: *Allelopathy Bioactive Secondary Metabolites for an Eco-Friendly Agriculture*, 1st Edition, Chapter 1, Pages 1-48

Citations: N/A

2025

Cold stress tolerance mechanisms in rice

Aneeqa Alvina Gul

In: *Rice Cultivation Under Abiotic Stress: Challenges and Opportunities*, Chapter 6, Pages 107-113

Citations: N/A

DOI: <https://doi.org/10.1016/B978-0-443-21793-7.00006-4>

2025

Recent Developments in Narcissus Species Breeding, Genomic Analysis, Biochemistry

Shafia Maryam Alvina Gul

In: *Breeding of Ornamental Crops: Bulbous Flowers. Advances in Plant Breeding Strategies*, Chapter 17, Pages 605–635

Citations: N/A

DOI: https://doi.org/10.1007/978-3-031-77900-8_17

2025

Retrotransposons and Plant Stress Responses

Alvina Gul Noor Ul huda

In: *Plant Retrotransposons: Genomic, Evolutionary and Biotechnological Perspectives*, 1st Edition, Chapter 13, Pages 244-265

2025

Citations: N/A DOI: https://doi.org/10.1201/9781032663494-13	
Retrotransposons in Triticum aestivum <i>Hajira Imran Iqra Siddique Alvina Gul</i> In: <i>Plant Retrotransposons: Genomic, Evolutionary and Biotechnological Perspectives</i> , 1st Edition, Chapter 7, Pages 142-159 Citations: N/A	2025
Jimson Weed (Brugmansia pittieri (Saff.) Moldenke Solanaceae) <i>Khola Rafique Alvina Gul</i> In: <i>Comprehensive Guide to Hallucinogenic Plants</i> , 1st Edition, Chapter 47, Pages 371-386 Citations: N/A DOI: https://doi.org/10.1201/9781003460336-47	2025
Sensitive Plant (Mimosa pudica L. Fabaceae) <i>Mustafa Keskin Volkan Altay Alvina Gul Munir Ozturk</i> In: <i>Comprehensive Guide to Hallucinogenic Plants</i> , Chapter 18, Pages 116-120 Citations: N/A DOI: https://doi.org/10.1201/9781003460336-18	2025
Pricklyburr (Datura innoxia Miller Solanaceae) <i>Volkan Altay Mustafa Keskin Alvina Gul Munir Ozturk</i> In: <i>Comprehensive Guide to Hallucinogenic Plants</i> , 1st Edition, Chapter 45, Pages 354-360 Citations: N/A DOI: https://doi.org/10.1201/9781003460336-45	2025
Squirting Cucumber (Ecballium elaterium (L.) A. Rich. Cucurbitaceae) <i>Munir Ozturk Volkan Altay Mustafa Keskin Alvina Gul</i> In: <i>Comprehensive Guide to Hallucinogenic Plants</i> , 1st Edition, Chapter 48, Pages 387-393 Citations: N/A DOI: https://doi.org/10.1201/9781003460336-48	2025
Dream herb (Calea zacatechichi Schltdl. Asteraceae) <i>Iqra Siddique Alvina Gul</i> In: <i>Comprehensive Guide to Hallucinogenic Plants</i> , 1st Edition, Chapter 5, Pages 25-32 Citations: N/A DOI: https://doi.org/10.1201/9781003460336-5	2025
Coca (Erythroxylum coca Lam. Erythroxylaceae) <i>Shehar Bano Alvina Gul</i> In: <i>Comprehensive Guide to Hallucinogenic Plants</i> , 1st Edition, Chapter 16, Pages 106-111 Citations: N/A DOI: 10.1201/9781003460336-16	2025
Kanna (Sceletium tortuosum (L.) N.E. Br. Aizoaceae) <i>Aneeqa Alvina Gul</i> In: <i>Comprehensive Guide to Hallucinogenic Plants</i> , 1st Edition, Chapter 3, Pages 16-20 Citations: N/A DOI: https://doi.org/10.1201/9781003460336	2025
Nature conservation, air pollution, and plant diversity across various ecosystems and the impact of climate change <i>Munir ozturk Alvina Gul Khola Rafique Volkan Altay Muhammad Daniyal Baig Iqra Siddique Amna Shuja Ruwail Mustafa Rafia Jameel</i> In: <i>Forests and Carbon Sequestration</i> , 1st Edition, Chapter 17, Pages 330-422 Citations: N/A DOI: https://www.cambridgescholars.com/resources/pdfs/978-1-0364-1742-0-sample.pdf	2025
Gerbera Jamesonii Bolus Ex Hooker f.: Advances in Plant Breeding Techniques <i>Alvina Gul Noor Ul Huda</i> In: <i>Breeding of Ornamental Crops: Annuals and Cut Flowers</i> , Chapter 17, Pages 549–572 Citations: N/A DOI: https://doi.org/10.1007/978-3-031-78653-2_17	2025
Salinity stress tolerance in plants: antioxidant defense mechanisms and latest developments <i>Hadi Pirasteh-Anosheh Munir Ozturk Alvina Gul Volkan Altay Pedro Garcia-Caparras Seyedehe Elahe Hashem Nida Mushtaq Aneeqa Kristina Toderich Tuba Arjumend Bengu Turkyilmaz Unal</i>	2025

In: <i>Exogenous Priming and Engineering of Plant Metabolic and Regulatory Genes-Stress Mitigation Strategies in Plants</i> , Chapter 19, Pages 279-304	
Citations: N/A	
DOI: https://doi.org/10.1016/B978-0-443-13490-6.00019-9	
Sustainable use of rhizomicrobiome in managing abiotic stress	2025
<i>Shehrbano Alvina Gul</i>	
In: <i>Rhizomicrobiome in Sustainable Agriculture and Environment</i> , Chapter 7, Pages 159-168	
Citations: N/A	
DOI: https://doi.org/10.1016/B978-0-443-23691-4.00007-5	
Computational approaches to understand rhizomicrobiome community and its future implications	2025
<i>Hajira Imran Alvina Gul</i>	
In: <i>Rhizomicrobiome in Sustainable Agriculture and Environment</i> , Chapter 18, Pages 391-402	
Citations: 1	
DOI: https://doi.org/10.1016/B978-0-443-23691-4.00018-X	
Transcriptomics Application in Plant Breeding	2024
<i>Humdah Qayyum Mohsin Ali Agossa Anicet Batcho Alvina Gul Ayesha Javaid</i>	
In: <i>Plant Molecular Breeding in Genomics Era: Concepts and Tools</i> , Volume: 03, Chapter No.09, Pages: 223-241	
Citations: N/A	
DOI: https://doi.org/10.1007/978-3-031-68586-6_9	
Transcriptome-Based Prediction Breeding	2024
<i>Humdah Qayyum Mohsin Ali Kumari Surekha Mahto Sanyukta Kumar Alvina Gul Mukesh Nitin</i>	
In: <i>Plant Molecular Breeding in Genomics Era: Applications</i> , Volume: 04, Chapter No.05, Pages: 129-144	
Citations: N/A	
DOI: https://doi.org/10.1007/978-3-031-68598-9_5	
Current progress in CRISPR–Cas systems for cancer	2024
<i>Hunaiza Fatima Hajira Ali Raja Rabia Amir Alvina Gul Mustafeez Mujtaba Babar Jayakumar Rajadas</i>	
In: <i>Progress in Molecular Biology and Translational Science</i> , Chapter: 09, Volume: 208, Pages: 211-229	
Citations: 1	
DOI: https://doi.org/10.1016/bs.pmbts.2024.07.007	
Advances in CRISPR-Cas systems for epigenetics	2024
<i>Mahnoor Ilyas Qasim Shah Alvina Gul Huzaifa Ibrahim Rania Fatima Mustafeez Mujtaba Babar Jayakumar Rajadas</i>	
In: <i>Progress in Molecular Biology and Translational Science</i> , Chapter:08, Volume: 208, Pages: 185-209	
Citations: N/A	
DOI: https://doi.org/10.1016/bs.pmbts.2024.07.003	
Genome engineering in banana	2024
<i>Sidra Fatima Zeeshan Zafar Arzoo Ahad Alvina Gul Hadi Bux</i>	
In: <i>Book on Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , 1st Edition, Chapter 5, Pages 83-100	
Citations: N/A	
DOI: https://doi.org/10.1016/B978-0-443-26614-0.00005-9	
Genome engineering in soybean	2024
<i>Khola Rafique Khadija Ahmed Kiran Kainaat Sherin Shahrukh Khan Sana Tariq Alvina Gul</i>	
In: <i>Book on Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , 1st Edition, Chapter 9, Pages 177-195	
Citations: N/A	
DOI: 10.1016/B978-0-443-26614-0.00013-8	
Genome modifications in cassava	2024
<i>Hajira Imran Danish Ilyas Baig Warda Jabbar Alvina Gul Warda Gul Munir Ozturk Bengu Turkyilmaz Unal Pedro Garcí'a-Caparrós</i>	
In: <i>Book on Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , 1st Edition, Chapter 18, Pages 343-366	
Citations: N/A	
DOI: 10.1016/B978-0-443-26614-0.00023-0	
Genome engineering in rice	2024
<i>Amnah Asghar Anum Akram Nida Mushtaq Noor Ul Ain Malik Alvina Gul</i>	
In: <i>Book on Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , 1st Edition, Chapter 14, Pages 273-295	
Citations: N/A	
DOI: 10.1016/B978-0-443-26614-0.00001-1	
Genome engineering in cotton (<i>Gossypium hirsutum</i>)	2024
<i>Maria Sharif Uzma Maria Abdul Salam Afsheen Malik Shahrukh Khan Kiran Kainat Sherin Rabia Amir Sami Ullah Jan Alvina Gul Muhammad Jamil</i>	

In: <i>Book on Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , 1st Edition, Chapter 2, Pages	
Citations: N/A	
DOI: 10.1016/B978-0-443-26614- 0.00012-6	
Genome engineering in tobacco	2024
<i>Oushna Fajer Alvina Gul Isra Farooq Nabia Khan Maliha Fatima Mahnoor Ilyas Hadi Alipour</i>	
In: <i>Book on Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , 1st Edition, Chapter 19, Pages 367-392	
Citations: N/A	
DOI: 10.1016/B978-0-443-26614-0.00010-2.	
Genome editing techniques and mechanism of canola editing	2024
<i>Faiza Abbas Iqra Siddique Alvina Gul Sami Ullah Khan</i>	
In: <i>Book on Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , 1st Edition, Chapter 10, Pages 21-34	
Citations: N/A	
DOI: https://doi.org/10.1016/B978-0-443-26614-0.00003-5	
Genome engineering in wheat against drought stress	2024
<i>Mahnoor Ilyas Arzoo Ahad Alvina Gul</i>	
In: <i>Book on Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , 1st Edition, Chapter 11, Pages 209-232	
Citations: N/A	
DOI: https://doi.org/10.1016/B978-0-443-26614-0.00019-9	
Genome engineering in barley	2024
<i>Hajra Maqsood Arzoo Ahad Somia Khan Alvina Gul Midhat Mehboob Resham Shaukat Muhammad Jamil</i>	
In: <i>Book on Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , 1st Edition, Chapter 13, Pages 257-272	
Citations: 1	
DOI: 10.1016/B978-0-443-26614- 0.00007-2	
Genome engineering in maize using CRISPR/CAS9 system	2024
<i>Khola Rafique Alvina Gul Namrah Ahmad Nida Mushtaq</i>	
In: <i>Book on Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , 1st Edition, Chapter 12, Pages 233-256	
Citations: 1	
DOI: https://doi.org/10.1016/B978-0-443-26614-0.00002-3	
High-throughput genome engineering: Use of CRISPR/Cas9 in Arabidopsis thaliana modification	2024
<i>Manal Arshad Tuba Sharf Batool Sarah Fatima Arzoo Ahad Alvina Gul Anum Khursheed Muhammad Jamil Sami Ullah Jan</i>	
In: <i>Book on Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , Chapter: 04, Pages: 63-82	
Citations: N/A	
DOI: 10.1016/B978-0- 443-26614-0.00016-3	
Genetic engineering in tomato	2024
<i>Sana Tariq Alvina Gul Stefano Negri Tahir Mujtaba</i>	
In: <i>Book on Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , 1st Edition, Chapter 1, Pages 101-133	
Citations: N/A	
DOI: 10.1016/B978- 0-443-26614-0.00015-1.	
A new insight into genome editing: CRIPR-Cas system in bacteria from evolution to application	2024
<i>Sidra Anwar Alvina Gul Rumeza Hanif</i>	
In: <i>Book on Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , 1st Edition, Chapter 2, Pages 21-34	
Citations: N/A	
DOI: doi.org/10.1016/B978-0-443-26614-0.00014-X .	
History and discovery of genome engineering	2024
<i>Arzoo Ahad Mahnoor Ilyas Manal Arshad Tuba Sharf Batool Alvina Gu Mahoor Ejaz</i>	
In: <i>Book on Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , 1st Edition, Chapter 1, Pages 1-19	
Citations: N/A	
DOI: https://doi.org/10.1016/B978-0-443-26614-0.00011-4 .	
Genome engineering and bioethics	2024
<i>Kiran Khurshid Rabia Amir Alvina Gul Wajahat Maqsood M. Awais Junaid Faiq M. Sabih Hina Javed</i>	
In: <i>Book on Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , 1st Edition, Chapter 22, Pages: 421-432	
Citations: N/A	
DOI: https://doi.org/10.1016/B978-0-443-26614-0.00021-7	
Genome engineering in sugarcane	2024
<i>Qurat-ul-ain Ali Faiza Munir Saba Azeem Alvina Gul Khadija Ahmed</i>	

In: <i>Book on Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , 1st Edition, Chapter 17, Pages 329-341	
Citations: 1	
DOI: https://doi.org/10.1016/B978-0-443-26614-0.00008-4	
Genome engineering in sorghum	2024
<i>Maria Gilani Qurat Ul Ain Ali Faiza Munir Sarah Fatima Alvina Gul Rabia Amir Muhammad Ammar Ashar Hafiz Imran Fakhar</i>	
In: <i>Book on Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , 1st Edition, Chapter 15, Pages 297-311	
Citations: N/A	
DOI: https://doi.org/10.1016/B978-0-443-26614-0.00009-6	
Genomic engineering in peanut	2024
<i>Ahmad Ali Rabia Amir Alvina Gul Faiza Munir Kainat Ahmad Anum Akram</i>	
In: <i>Book on Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , 1st Edition, Chapter 8, Pages 159-175	
Citations: 1	
DOI: https://doi.org/10.1016/B978-0-443-26614-0.00018-7	
Genetic engineering techniques in potato	2024
<i>Muhammad Abu Bakar Zia Muhammad Ijaz Sami-ul-Allah Roohi Aslam Muhammad Naeem Alvina Gul Razmia Sabahat Butt Muhammad Tahir</i>	
In: <i>Book on Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , 1st Edition, Chapter 7, Pages 135-157	
Citations: N/A	
DOI: https://doi.org/10.1016/B978-0-443-26614-0.00020-5	
CRISPR-Cas9-mediated genome editing in fungi: Current scenario and future implications in agriculture, health, and industry.	2024
<i>Noor Ul Ain Malik Attia Rubab Khalid Alvina Gul Faiza Munir Ghulam Haider Muhammad Faraz Bhatti</i>	
In: <i>Targeted Genome Engineering via CRISPR/Cas9 in Plants</i> , 1st Edition, Chapter 3, Pages 35-62	
Citations: 2	
DOI: doi.org/10.1016/B978-0-443-26614-0.00022-9	
Drug repurposing for bacterial infections	2024
<i>Mahnoor Ilyas Muhammad Saad Latif Alvina Gul Mustafeez Mujtaba Babar Jayakumar Rajadas</i>	
In: <i>Progress in Molecular Biology and Translational Science</i> , Volume 207, Chapter 1, Pages 1-21	
Citations: 1	
DOI: https://doi.org/10.1016/bs.pmbts.2024.03.031	
Nanomaterial applications for improved plant and algae genetic engineering	2024
<i>Noor ul Huda Alvina Gul</i>	
In: <i>Book on Molecular Impacts of Nanoparticles on Plants and Algae</i> , Chapter 16, Page:347-371	
Citations: 1	
DOI: 10.1016/B978-0-323-95721-2.00017-8	
Regulation of Diverse Cell Signaling Molecules via Melatonin for Plant Growth and Overcoming Stress	2023
<i>Noor-ul-Huda Alvina Gul Haider Ali</i>	
In: <i>Advancement of Melatonin Research in Plants: Multi-Faceted Role in Regulating Development and Stress Protection</i> , 1st Edition, Chapter No.12, Page:107-118	
Citations: N/A	
DOI: 10.1201/9781003343752-8	
Natural Product Formulations to Overcome Poor ADMET Properties	2023
<i>Ahsan Ibrahim Syed Daman Abbas Hamdani Tausif Ahmed Rajput Aneeqa Noor Alvina Gul Mustafeez Mujtaba Babar Hunaiza Fatima</i>	
In: <i>Book on Drug Discovery and Design using Natural Products</i> , Chapter 15, Pages 435-452	
Citations: 1	
DOI: https://doi.org/10.1007/978-3-031-35205-8_15	
Genetic Transformation Methods in Cereal Crops	2023
<i>Noor-ul-Ain Malik Faiza Munir Saba Azeem Rabia Amir Maria Gillani Alvina Gul Aneela Mustafa Nosheen Fatima</i>	
In: <i>Book on Cereal Crops: Genetic Resources and Breeding Techniques</i> , 1st Edition, Chapter 12, Pages 269-290	
Citations: N/A	
DOI: 10.1201/9781003250845-12	
Climate Change and Cereal Modeling: Impacts and Adaptability	2023
<i>Arzoo Ahad Sami ullah Jan Khola Rafique Sameera Zafar Murtaz Aziz Ahmad Faiza Abbas Alvina Gul</i>	
In: <i>Book on Cereal Crops: Genetic Resources and Breeding Techniques</i> , 1st Edition, Chapter 11, Pages 239-272	
Citations: N/A	
DOI: 10.1201/9781003250845-11	

Phytohormones, plant growth and development <i>Noor Ul Ain Malik Oushna Fajer Laiba Amin Attiya Rubab Khalid Nabia Khan Muhammad Faraz Bhatti Faiza Munir Ghulam Haider Rabia Amir Alvina Gul</i> In: <i>Phytohormones and Stress Responsive Secondary Metabolites</i> , Chapter 14, Page:175-186 Citations: 3 DOI: 10.1016/B978-0-323-91883-1.00014-0	2023
Alterations in metabolic profiling of crop plants under abiotic stress <i>Zoha Fatima Zuhra Qayyum Umm-e-Laila Beenish Anjum Sarah Riaz Alvina Gul</i> In: <i>Book on Phytohormones and Stress Responsive Secondary Metabolites</i> , Chapter 16, Pages 197-233 Citations: N/A DOI: https://doi.org/10.1016/B978-0-323-91883-1.00009-7 .	2023
Role of exogenous phytohormones in mitigating stress in plants <i>Anoosha Arshad Nida Mushtaq Muhammad Sajjad Noor-ul-Huda Arzoo Ahad Mahnoor Ilyas Alvina Gul</i> In: <i>Book on Phytohormones and Stress Responsive Secondary Metabolites</i> , Chapter 10, Pages 111-131 Citations: 4 DOI: https://doi.org/10.1016/B978-0-323-91883-1.00020-6	2023
Role of phytohormones in biotic vs abiotic stresses with respect to PGPR and autophagy <i>Alvina Gul Noor-ul-Huda Salman Nawaz</i> In: <i>Book on Phytohormones and Stress Responsive Secondary Metabolites</i> , Chapter 5, Pages 41-62 Citations: 6 DOI: https://doi.org/10.1016/B978-0-323-91883-1.00016-4	2023
Induction of physiological and metabolic changes in plants by plant growth regulators <i>Razmia Sabahat Butt Alvina Gul</i> In: <i>Book on Phytohormones and Stress Responsive Secondary Metabolites</i> , Chapter 12, Pages 141-159 Citations: 1 DOI: https://doi.org/10.1016/B978-0-323-91883-1.00007-3	2023
Pharmacological applications of bioactive secondary metabolites from plants <i>Mehr-un-Nisa Maham Nadeem Mustafeez Mujtaba Babar Madiha Ahmed Alvina Gul</i> In: <i>Book on Phytohormones and Stress Responsive Secondary Metabolites</i> , Chapter 17, Pages 235-248 Citations: 2 DOI: https://doi.org/10.1016/B978-0-323-91883-1.00006-1	2023
Nanotechnology in Phytoremediation: Application and Future <i>Tayyaba Yasmin Sameen Ruqia Imadi Alvina Gul</i> In: <i>Book on Phytoremediation</i> , 1st Edition, Chapter 20, Pages 427–442 Citations: 2 DOI: 10.1007/978-3-031-17988-4_20	2023
Heavy Metal Remediation by Nanotechnology <i>Shafia Maryam Alvina Gul</i> In: <i>Book on Phytoremediation</i> , 1st Edition, Chapter 26, Pages 571–597 Citations: 4 DOI: https://doi.org/10.1007/978-3-031-17988-4_26	2023
Plant Metal and Metalloid Transporters <i>Arzoo Ahad Namrah Ahmad Mahnoor Ilyas Tuba Sharf Batool Alvina Gul</i> In: <i>Book on Plant Metal and Metalloid Transporters</i> , 1st Edition, Chapter 1, Pages 1-21 Citations: 2 DOI: 10.1007/978-981-19-6103-8_1	2022
The Copper Transport Mechanism in Plants <i>Alvina Gul Namra Haq Khola Rafique</i> In: <i>Book on Plant Metal and Metalloid Transporters</i> , 1st Edition, Chapter 13, Pages 275–287 Citations: 2 DOI: 10.1007/978-981-19-6103-8_13	2022
The Mechanism of Silicon Transport in Plants <i>Shafia Maryam Alvina Gul</i> In: <i>Book on Plant Metal and Metalloid Transporters</i> , 1st Edition, Chapter 12, Pages 245-273 Citations: 5 DOI: 10.1007/978-981-19-6103-8_12	2022

Metabolic Syndromes <i>Mahnoor Ejaz Areena Suhail Khan Faiza Naseer Alvina Gul</i> In: <i>Book on Omics Technologies for Clinical Diagnosis and Gene Therapy: Medical Applications in Human Genetics</i> Chapter 15, Pages 242-268 Citations: N/A DOI: 10.2174/9789815079517122010018	2022
Phenomics <i>Saima Siddique Madeeha Hamid Alvina Gul Namra Haq Rabia Amir Volkan Altay Munir Ozturk</i> In: <i>Book on Introduction and Application of Organic Fertilizers as Protectors of Our Environment</i> , Chapter 13, Pages 307-339 Citations: N/A DOI: DOI: ----	2022
Organelleomics: Mitochondria and Chloroplast of Plants <i>Bukhtawar Fatima Tahira Khan Namra Haq Rabia Amir Alvina Gul Volkan Altay Munir Ozturk</i> In: <i>Book on Introduction and Application of Organic Fertilizers as Protectors of Our Environment</i> , Chapter 21, Pages 471-493 Citations: N/A DOI: Doi-1-	2022
Microgravity—Simulation, Acceleration, and Effects on Plants: Case Study on Globally Important Agricultural Crop Rice <i>Sameen Ruqia Imadi Tayyaba Yasmin Alvina Gul</i> In: <i>Book on Biodiversity, Conservation and Sustainability in Asia</i> , 1st Edition, Chapter 34, Pages 619-636 Citations: N/A DOI: 10.1007/978-3-030-73943-0_34	2022
Plant Metabolomics: Role in Crop Improvement <i>Sameen Ruqia Syeda Namra Haq Alvina Gul Mehmoona Ilyas Arooba Ilyas Munir Ozturk Volkan Altay</i> In: <i>Book on Introduction and Application of Organic Fertilizers as Protectors of Our Environment</i> , Chapter 9, Pages 211-248 Citations: N/A DOI: 10.3748/wjg.15.5	2022
Mutations Leading to a Better Tomorrow in the Production of Improved Crop Varieties <i>Rida Rehman Ameema Tariq Syeda Namra Haq Alvina Gul Volkan Altay Munir Ozturk</i> In: <i>Book on Introduction and Application of Organic Fertilizers as Protectors of Our Environment</i> , Chapter 5, Pages 120-142 Citations: 25 DOI: 10.1186/1743-422X-8-4	2022
Structural and Functional Genomics of Rice <i>Ayesha Sajid Aqsa Abbasi Alvina Gul Munir Ozturk Volkan Altay Mirza Hasanuzzaman</i> In: <i>Book on Introduction and Application of Organic Fertilizers as Protectors of Our Environment</i> , Chapter 17, Pages 384-415 Citations: N/A DOI: 10.1002/jmv.26	2022
Green Nanotechnology <i>Khazima Muazim Sameen Ruqia Imadi Alvina Gul</i> In: <i>Book on Introduction and Application of Organic Fertilizers as Protectors of Our Environment</i> , Chapter 18, Pages 416-435 Citations: N/A DOI: 10.1089/vim.2018.0	2022
Mycorrhiza: Plant Growth-Promoting and Biocontrol Agent Ability Under the Abiotic Stress Conditions <i>Alvina Gul Tayyaba Hussain Muhammad Usmaan Muhammad Numan Aamir Abdullah Khan Faiza Abbas</i> In: <i>Book on Soil Microbiomes for Sustainable Agriculture: Functional Annotation</i> ;, Chapter 16, Pages 503-52 Citations: N/A DOI: https://doi.org/10.1007/978-3-030-73507-4_16	2021
Phosphate Solubilizing Bacteria for Soil Sustainability <i>Raffia Siddique Alvina Gul Munir Ozturk Volkan Altay</i> In: <i>Handbook of Assisted and Amendment-Enhanced Sustainable Remediation Technology</i> , Chapter 21, Pages 425-435 Citations: 9 DOI: https://doi.org/10.1002/9781119670391.ch21	2021
Molecular Characterization of Medically Important Fungi: Current Research and Future Prospects <i>Alvina Gul Kazi Muhammad Faraz Bhatti Amber Malik Tehsin Fatma Wajeeha Shamsi Haris Ahmad Khan Atif Jamal</i> In: <i>Book on Recent Trends in Mycological Research</i> , Chapter 15, Pages 335-369 Citations: N/A DOI: https://doi.org/10.1007/978-3-030-60659-6_15	2021

Plant-Microbe Interactions <i>Raffia Siddique Alvina Gul</i> In: <i>Book on Plant-microbe dynamics: recent advances for sustainable agriculture</i> , 1st Edition, Chapter 1, Pages 1-14 Citations: N/A DOI: https://doi.org/10.1201/9781003106784	2021
Advancements in plant transgenomics approach for the biopharmaceutics and vaccines production <i>Faria Khan Rafal Szmigielski Alvina Gul Volkan Altay Munir Ozturk</i> In: <i>Book on Biodiversity and Biomedicine - Our Future</i> , Chapter 18, Pages 317-333 Citations: 6 DOI: 10.1016/B978-0-12-819541-3.00018-9	2020
Superbugs, silver bullets, and new battlefields <i>Muhammad Ibrahim Rashid Parkha Tariq Habiba Rashid Saadia Andleeb Alvina Gul Munir Ozturk Volkan Altay Zainab Ali</i> In: <i>Book on Biodiversity and Biomedicine</i> , Chapter 6, Pages 81-106 Citations: 1 DOI: https://doi.org/10.1016/B978-0-12-819541-3.00006-2	2020
Production and Salinity Tolerance of Fodder Beet (<i>Beta vulgaris</i> L. ssp. <i>Maritima</i>) <i>Sami ullah Khan Zulfiqar Ali Gurmani Waseem Ahmed Shahzad Ahmed Alvina Gul</i> In: <i>Book on Plant Stress Physiology</i> , Pages 1-10 Citations: N/A DOI: DOI: http://dx.doi.org/10.5772/intechopen.92345	2020
Cellular mechanism of salinity tolerance in wheat <i>Humna Hasan Mohsin Ali Ayesha Javaid Ayesha Liaqat Sidra Hussain Raffia Siddique Tayyaba Fayaz Alvina Gul</i> In: <i>Book on Climate Change and Food Security with Emphasis on Wheat</i> , Chapter 4, Pages 55-76 Citations: 4 DOI: https://doi.org/10.1016/B978-0-12-819527-7.00004-2	2020
Role of transcription factors in drought mediating pathways in wheat <i>Mohsin Ali Humna Hasan Haji Muhammad Umer Memon Ammarah Khan Fariha Munir Husam Bin Tawseen Maham Shakoor Misbah Majid Muhammad Ahmed Saif ullah Khan Syed Harris Hussain Alvina Gul Hadi Bux</i> In: <i>Book on Climate Change and Food Security with Emphasis on Wheat</i> , Chapter 11, Pages 177-192 Citations: 4 DOI: https://doi.org/10.1016/B978-0-12-819527-7.00011-X	2020
Overview of the prospective strategies for conservation of genomic diversity in wheat landraces <i>Sumaira Salahuddin Lodhi Shafia Maryam Khola Rafique Atif Shafique Zeeshan Ali Yousaf Abdul Mohaimen Talha Alvina Gul Rabia Amir</i> In: <i>Book on Climate Change and Food Security with Emphasis on Wheat - 1st Edition</i> , Chapter 21, Pages 293-309 Citations: 11 DOI: https://doi.org/10.1016/B978-0-12-819527-7.00021-2	2020
Salt responsive transcription factors in wheat <i>Afshreen Malik Alvina Gul Uzma Hanif Ghulam Kubra Shaheen Bibi Mohsin Ali Humna Hasan Tayyaba Fayaz Raffia Siddique Muhammad Jamil Sami Ullah Jan</i> In: <i>Book on Climate Change and Food Security with Emphasis on Wheat</i> , Chapter 7, Pages 107-127 Citations: 2 DOI: https://doi.org/10.1016/B978-0-12-819527-7.00007-8	2020
LEA proteins and drought stress in wheat <i>Mohsin Ali Alvina Gul Humna Hasan Hadi Alipour Arooj Arshad Abbasi Fatima tuz Zahra Khan Sadaf Abbasi Tatheer Fatima Zara Taimoor</i> In: <i>Book on Climate Change and Food Security with Emphasis on Wheat</i> , Chapter 12, Pages 193-205 Citations: 10 DOI: https://doi.org/10.1016/B978-0-12-819527-7.00012-1	2020
Cellular mechanisms of drought tolerance in wheat <i>Mohsin Ali Alvina Gul Humna Hasan Sumaiya Gul Azam Fareed Muhammad Nadeem Raffia Siddique Sami Ullah Jan Muhammad Jamil</i> In: <i>Book on Climate Change and Food Security with Emphasis on Wheat</i> , Chapter 9, Pages 155-167 Citations: 19 DOI: https://doi.org/10.1016/B978-0-12-819527-7.00009-1	2020
Genomic selection in wheat breeding <i>Jin Sun Maryam Khan Rabia Amir Alvina Gul</i> In: <i>Book on Climate Change and Food Security with Emphasis on Wheat</i> , Chapter 23, Pages 321-330	2020

Citations: 6

DOI: <https://doi.org/10.1016/B978-0-12-819527-7.00023-6>

Wheat genomics and genome editing

2020

Nida Liaqat Ayesha Liaqat Muhammad Ali Zuhra Qayyum Raffia Siddique Hikmet Budak Rabia Amir Alvina Gul

In: *Book on Climate Change and Food Security with Emphasis on Wheat* Chapter 21, Pages 331-346

Citations: 2

DOI: <https://doi.org/10.1016/B978-0-12-819527-7.00024-8>

Next-generation sequencing in bread wheat

2020

Kainat Rauf Rabia Rahman Adeena Saeed Muhammad Ali Fatima Noureen Rabia Amir Alvina Gul

In: *Book on Climate Change and Food Security with Emphasis on Wheat* Chapter 22, Pages 311-320

Citations: 3

DOI: <https://doi.org/10.1016/B978-0-12-819527-7.00022-4>

Molecular mechanism of drought tolerance in wheat

2020

Insha Zahoor Humna Hasan Anum Khursheed Mohsin Ali Fakiha Afzal Ghulam Kubra Ammaila Basharat Fabiha Aziz Fizla Zarrar Rabia Amir Alvina Gul

In: *Book on Climate Change and Food Security with Emphasis on Wheat* Chapter 8, 129-154

Citations: 5

DOI: <https://doi.org/10.1016/B978-0-12-819527-7.00008-X>

Drought-responsive ESTs in wheat

2020

Mohsin Ali Humna Hasan Khola Rafique Fakiha Afzal Ghulam Kubra Kandeel Shafique Sarah Waseem Rameeza Hasan Saneela Imran Zeeshan Ahmad

Syed Hammad Raza Tayyaba Fayaz Rabia Amir Alvina Gul

In: *Book on Climate Change and Food Security with Emphasis on Wheat - 1st Edition*, Chapter 10, Pages 169-176

Citations: 1

DOI: <https://doi.org/10.1016/B978-0-12-819527-7.00010-8>

Role of osmoprotectants in salinity tolerance in wheat

2020

Muhammad Nadeem Mohsin Ali Ghulam Kubra Azam Fareed Humna Hasan Anum Khursheed Sami Ullah Khan Rabia Amir Nosheen Fatima Alvina Gul

In: *Book on Climate Change and Food Security with Emphasis on Wheat* Chapter 6, Pages 93-106

Citations: 15

DOI: <https://doi.org/10.1016/B978-0-12-819527-7.00006-6>

Role of osmoprotectants and drought tolerance in wheat

2020

Humna Hasan Uzma Mohsin Ali Ghulam Kubra Fatima tuz Zahra Khan Sehar Yousaf Komal Binte Ajmal Hasan Naseer Wajeel Khan Rumana Keyani Alvina

Gul Kazi Rabia Amir

In: *Book on Climate Change and Food Security with Emphasis on Wheat, 1st Edition*, Chapter 13, 207-216

Citations: N/A

DOI: <http://doi.org/10.1016/B978-0-12-819527-7.00013-3> 6

Salt-regulating genes in wheat

2020

Mahnoor Ejaz Mohsin Ali Humna Hasan Sami ullah Khan Aamir Lal Nazif U. Qazi Atif Shafique Hamza Dar Alvina Gul Kazi

In: *Book on Climate Change and Food Security with Emphasis on Wheat* First edition, Chapter 5, Pages 77-91

Citations: 1

DOI: <https://doi.org/10.1016/B978-0-12-819527-7.00005-4>

Improving Crop Health and Productivity: Appraisal of Induced Mutations and Advanced Molecular Genetic Tools

2020

Noor ul Huda Ghori Tahir Ghori Sameen Ruqia Imadi Alvina Gul

In: *Book on Agronomic Crops*, Chapter 20, Pages 397-422

Citations: N/A

DOI: https://doi.org/10.1007/978-981-15-0025-1_20

Animal models: Bridging cross-species variation through animal biotechnology

2019

Nayaab Laaldin Sana Rasul Baloch Aneeqa Noor Aiman Aziz Alvina Gul Tausif Ahmed Rajput Mustafeez Mujtaba Babar

In: *Book on Genomics and Biotechnological Advances in Veterinary, Poultry, and Fisheries*, Chapter 8, Pages 183-207

Citations: 1

DOI: [10.1016/B978-0-12-816352-8.00008-4](https://doi.org/10.1016/B978-0-12-816352-8.00008-4)

Wheat Responses to Stress and Biotechnological Approaches for Improvement

2019

Uzma Hira Itikhar Zoya Ghori Syeda Hafsa Ali Sandal Sheikh Alvina Gul Kazi

In: *Book on Wheat Production in Changing Environments*, Pages 343-392, 15 May 2019

Citations: N/A

DOI: https://doi.org/10.1007/978-981-13-6883-7_14

Wild Relatives and Their Role in Building Resistance in Bread Wheat: at a Glance

2019

Sameen Ruqia Imadi Alvina Gul

In: *Book on Crop Production Technologies for Sustainable Use and Conservation Physiological and Molecular Advances*, 1st Edition, Chapter 16, Pages 396-416

Citations: N/A

DOI: <https://doi.org/10.1201/9780429469763>

Structural and Functional Genomics of Potato (*Solanum Tuberosum*)

2019

Aqsa Abbasi Ayesha Sajid Alvina Gul

In: *Book on Crop Production Technologies for Sustainable Use and Conservation Physiological and Molecular Advances*, 1st Edition, Chapter 17, Pages 417-438

Citations: N/A

DOI: <https://doi.org/10.1201/9780429469763>

Comparative Study of Three Different Fertilizers on Yield and Quality of Capsicum

2019

Sameen Ruqia Imadi Kanwal Shahzadi Alvina Gul

In: *Book on Crop Production Technologies for Sustainable Use and Conservation Physiological and Molecular Advances*, 1st Edition, Chapter 8, Pages 155-173

Citations: N/A

DOI: <https://doi.org/10.1201/9780429469763>

Comparative Study of Three Different Fertilizers on Yield and Quality of Solanum

2019

Sameen Ruqia Imadi Kanwal Shehzadi Alvina Gul

In: *Book on Crop Production Technologies for sustainable use and Conservation Physiological and Molecular Advances*, 1st Edition, Chapter 9, Pages 175-195

Citations: N/A

DOI: <https://doi.org/10.1201/9780429469763>

Plants Signaling toward Drought Stress

2019

Muhammad Jamil Aamir Ali Alvina Gul Khalid Farooq Akbar Abdul Aziz Napar Abdul Mujeeb Kazi

In: *Book on Approaches for Enhancing Abiotic Stress Tolerance in Plants*, 2nd Edition. Chapter 5, Pages 99-111

Citations: N/A

DOI: <https://doi.org/10.1201/9781351104722>

Flavonoids and Their Biological Secrets

2019

M. Ibrahim Rashid M. Irfan Fareed Habiba Rashid Humaira Aziz Naureen Ehsan S. Khalid Iqra Gaffar Roshan Ali Alvina Gul Khalid Rehman Hakeem

In: *Plant and Human Health, Volume 2 - Phytochemistry and Molecular Aspects*, 1st Edition, Chapter 24, Pages 579-605

Citations: 44

DOI: doi.org/10.1007/978-3-030-03344-6_24

Hallmark Attributes of Plant Transcription Factors and Potentials of WRKY, MYB and NAC in Abiotic Stresses

2019

Muhammad Faraz Bhatti Dr Alvina Gul Kazi Sami Ullah Jan Muhammad Jamil

In: *Book on Approaches for Enhancing Abiotic Stress Tolerance in Plants*, Chapter 25, Pages 441-458

Citations: N/A

DOI: -

Deforestation: A Continuous Battle - A Case Study from Central Asia and Other Countries

2018

Faria Khan Zainab Sohail Tahira Khan Bakhtawar Fatima Fatima Malik Syeda Fatma Hassan Bukhari Sameen Ruqia Imadi Alvina Gul

In: *Book on Vegetation of Central Asia and Environs*, Chapter 4, Pages 73-117

Citations: 7

DOI: https://doi.org/10.1007/978-3-319-99728-5_4

Role of phytohormones in enhancing antioxidant defense in plants exposed to metal/metalloid toxicity

2018

Duaa Ahmad Khan Zeeshan Ali Sarah Iftikhar Deebe Amraiz Najam us Sahar Sadaf Zaidi Alvina Gul Mustafeez Mujtaba Babar

In: *Book on Plants Under Metal and Metalloid Stress: Responses, Tolerance and Remediation*, Chapter 14, Pages 367-400

Citations: 14

DOI: [10.1007/978-981-13-2242-6_14](https://doi.org/10.1007/978-981-13-2242-6_14)

Arsenic Toxicity: A South Asian Perspective

2018

Sahar Iftikhar Zeeshan Ali Duaa Ahmad Khan Najam us Sahar Sadaf Zaidi Alvina Gul Mustafeez Mujtaba Babar

In: *Mechanisms of Arsenic Toxicity and Tolerance in Plants*, NULL

Citations: 1

DOI: [10.1007/978-981-13-1292-2_19](https://doi.org/10.1007/978-981-13-1292-2_19)

Medicinal Plants against Cancer <i>Sameen Ruqia Imadi Isra Mahmood Alvina Gul</i> In: <i>Plant and Human Health</i> , Volume 1, Chapter 5, Pages 139-196 Citations: N/A DOI: https://doi.org/10.1007/978-3-319-93997-1_5	2018
Omics Approaches in Viral Biotechnology: Toward Understanding the Viral Diseases, Prevention, Therapy, and Other Applications in Human Betterment <i>Kinza Waqar Rija Irfan Alvina Gul</i> In: <i>Book on Omics Technologies and Bio-Engineering - Towards Improving Quality of Life</i> , Volume 2, Pages 21-30 Citations: N/A DOI: https://doi.org/10.1016/B978-0-12-815870-8.00002-4	2018
Bioengineering towards fighting against superbugs <i>Faria Khan Amjad Ali Alvina Gul</i> In: <i>Book on Omics Technologies and Bio-engineering: Volume 2: Towards Improving Quality of Life</i> , Chapter 11, Pages 191-210 Citations: N/A DOI: 10.1016/B978-0-12-815870-8.00011-5	2018
Omics-based bioengineering in environmental biotechnology <i>Tehreem Tanveer Kanwal Shaheen Sajida Parveen Zujaja Tul Misbah Mustafeez Mujtaba Babar Alvina Gul</i> In: <i>Book on Omics Technologies and Bio-engineering: Volume 2: Towards Improving Quality of Life</i> , Chapter 19, Pages 353-364 Citations: 10 DOI: 10.1016/B978-0-12-815870-8.00019-X	2018
Omics Approaches in Marine Biotechnology: The Treasure of Ocean for Human Betterments <i>Fatima Abid Muhammad A. Zahid Zain U. Abedin Syed B. Nizami Muhammad J. Abid Sayyada Z. Hassan Kazmi Sami U. Khan Humna Hasan Mohsin Ali Alvina Gul</i> In: <i>Book on Omics Technologies and Bio-engineering: Towards Improving Quality of Life</i> , Chapter 3, Pages 47-61 Citations: 10 DOI: https://doi.org/10.1016/B978-0-12-804659-3.00003-8	2018
Omics approaches in industrial biotechnology and bioprocess engineering <i>Mustafeez Mujtaba Babar Hasan Afzaal Venkata R. Pothineni Najam Us Sahar Sadaf Zaidi Zeeshan Ali Muhammad A. Zahid Alvina Gul</i> In: <i>Book on Omics Technologies and Bio-engineering: Volume 2: Towards Improving Quality of Life</i> , Chapter 14, Pages 251-269 Citations: 10 DOI: 10.1016/B978-0-12-815870-8.00014-0	2018
Robotics and high-throughput techniques <i>Alvina Gul Humna Hasan Muhammad Hassan Safdar Sana Zahid Maria Bibi</i> In: <i>Book on Omics Technologies and Bio-engineering: Towards Improving Quality of Life</i> , Volume 1, Chapter 9, Pages 155-166 Citations: N/A DOI: https://doi.org/10.1016/B978-0-12-804659-3.00009-9	2018
In vitro and in vivo animal models: The engineering towards understanding human diseases and therapeutic interventions <i>Alvina Gul Azka Khan Kinza Waqar Adeena Shafique Rija Irfan</i> In: <i>Book on Omics Technologies and Bio-engineering: Towards Improving Quality of Life</i> , Volume 1, Chapter 18, Pages 431-448 Citations: 17 DOI: https://doi.org/10.1016/B978-0-12-804659-3.00018-X	2018
Omics approaches in forensic biotechnology: Looking for ancestry to offence <i>Syed B. Nizami Sayyada Z. Hassan Kazmi Fatima Abid Mustafeez Mujtaba Babar Aneeqa Noor Najam Us Sahar Sadaf Zaidi Humna Hasan Mohsin Ali Alvina Gul Sami U. Khan</i> In: <i>Book on Omics Technologies and Bio-engineering: Towards Improving Quality of Life</i> , Volume 1, Pages 111-129 Citations: 4 DOI: 10.1016/B978-0-12-804659-3.00006-3	2018
Application of Bioinformatics and System Biology in Medicinal Plant Studies <i>Mustafeez Mujtaba Babar Venkata Raveendra Pothineni Zeeshan Ali Sarah Faisal Khalid Rehman Hakeem Alvina Gul Najam us Sahar Sadaf Zaidi</i> In: <i>Plant Bioinformatics: Decoding the Phyta</i> , NULL Citations: 10 DOI: 10.1007/978-3-319-67156-7_15	2017
Transport and Metabolism of Nitrogen in Legume Nodules Under Phosphorus Deficiency <i>Mariam Fatima Syed Bilal Nizami Mustafeez Mujtaba Babar Najam-us-Sahar Sadaf Zaidi Zeeshan Ali Hira Siddiqui Fatima Abid Aneeqa Noor Ayesha Nazir</i>	2017

<i>Khan Sarah Faisal Alvina Gul</i> In: <i>Book on Legume Nitrogen Fixation in Soils with Low Phosphorus Availability</i>, Chapter 6, Pages 111-134 Citations: 2 DOI: https://doi.org/10.1007/978-3-319-55729-8_6		
Oilseed crops: Present scenario and future prospects		2017
<i>Sarah Waseem1 Sameen Ruqia Imadi Alvina Gul Parvaiz Ahmad</i> In: <i>Book on Oilseed Crops: Yield and Adaptations under Environmental Stress, First Edition. Edited by Parvaiz Ahmad</i>, Chapter 1, Pages 1-18 Citations: 13 DOI: https://doi.org/10.1002/9781119048800.ch1		
Brassicaceae plants: Metal accumulation and their role in phytoremediation		2017
<i>Alvina Gul Zeshan Ali Hina Waheed Farzana Afzal Kiran Anwaar Saiqa Imran</i> In: <i>Book on Oilseed Crops: Yield and Adaptations under Environmental Stress</i>, Chapter 11, Pages 207-223 Citations: 3 DOI: DOI:10.1002/9781119048800.ch11		
Technological platforms to study plant lipidomics		2016
<i>Fakiha Afzal Mehreen Naz Gohar Ayub Maria Majeed Shizza Fatima Rubia Zain Sundus Hafeez Momina Masud Alvina Gul</i> In: <i>Book on Plant Omics: Trends and Applications</i>, 1st Edition, Chapter 20, Pages 477-492 Citations: 2 DOI: 10.1007/978-3-319-31703-8_20		
Metabolome analysis of crops		2016
<i>Sameen Ruqia Imadi Alvina Gul</i> In: <i>Book on Plant Omics: Trends and Applications</i>, Chapter 16, Pages 381-397 Citations: N/A DOI: 10.1007/978-3-319-31703-8_16		
Next-generation sequencing technologies and plant improvement		2016
<i>Fakiha Afzal Alvina Gul Abdul Mujeeb Kazi</i> In: <i>Book on Plant Omics: Trends and Applications</i>, 1st Edition, Chapter 11, Pages 271-294 Citations: 3 DOI: 10.1007/978-3-319-31703-8_11		
QTL analysis in plants: Ancient and modern perspectives		2016
<i>Muhammad Jamil Aamir Ali Khalid Farooq Akbar Abdul Aziz Napar Alvina Gul Abdul Mujeeb-Kazi</i> In: <i>Book on Plant Omics: Trends and Applications</i>, 1st Edition, Chapter 3, Pages 59-82 Citations: 1 DOI: 10.1007/978-3-319-31703-8_3		
Plant interactomics under salt and drought stress		2016
<i>Atif Shafique Zeeshan Ali Abdul Mohaimen Talha Muneeb Haider Aftab Alvina Gul Khalid Rehman Hakeem</i> In: <i>Book on Plant Omics: Trends and Applications</i>, 1st Edition, Chapter 21, Pages 493-514 Citations: 1 DOI: 10.1007/978-3-319-31703-8_21		
Plant glycomics		2016
<i>M. Asif Shehzad Aimal Khan Maria Khalid Alvina Gul</i> In: <i>Book on Plant Omics: Trends and Applications</i>, 1st Edition, Chapter 19, Pages 445-476 Citations: 1 DOI: 10.1007/978-3-319-31703-8_19		
Plant proteomics: An overview		2016
<i>M. Asif Shehzad Aimal Khan Maria Khalid Alvina Gul</i> In: <i>Book on Plant Omics: Trends and Applications</i>, 1st Edition, Chapter 12, Page 295-325 Citations: N/A DOI: 10.1007/978-3-319-31703-8_12		
Soil microflora - An extensive research		2016
<i>Alvina Gul Sameen Ruqia Imadi Mustafeez Mujtaba Babar Humna Hasan</i> In: <i>Book on Soil Science: Agricultural and Environmental Prospectives</i>, 1st Edition, Chapter 13, Pages 303-316 Citations: 3 DOI: https://doi.org/10.1007/978-3-319-34451-5_13		
Water stress: Types, causes, and impact on plant growth and development		2016

<i>Alvina Gul Sameen Ruqia Imadi Murat Dikilitas Sema Karakas Iti Sharma Parvaiz Ahmad</i> In: <i>Book on Water Stress and Crop Plants: A Sustainable Approach</i>, Volume 2, Pages 343-355 Citations: 23 DOI: doi:10.1002/9781119054450.ch21	
Drought stress and photosynthesis in plants <i>Alvina Gul Zoya Siddique Sumira Jan Sameen Ruqia Imadi Parvaiz Ahmad</i> In: <i>Book on Water Stress and Crop Plants: A Sustainable Approach</i>, Volume 1-2, Chapter 1, Pages 1-11 Citations: 48 DOI: doi:10.1002/9781119054450.ch1	2016
Analysis of novel haplotype variation at TaDREB-D1 and TaCwi-D1 genes influencing drought tolerance in bread/synthetic wheat derivatives: An overview <i>Alvina Gul Maria Khalid Fakiha Afzal Mohammad Abass Ahanger Parvaiz Ahmad</i> In: <i>Book on Water Stress and Crop Plants: A Sustainable Approach</i>, Volume 1-2, Chapter 15, Pages 206-226 Citations: 2 DOI: DOI:10.1002/9781119054450.ch15	2016
Drought stress and morphophysiological responses in plants <i>Alvina Gul Muhammad Asif Shahzad Sami Ullah Jan Fakiha Afzal Maria Khalid Iti Sharma Adriano Sofo Parvaiz Ahmad</i> In: <i>Book on Water Stress and Crop Plants: A Sustainable Approach</i>, Volume 2-2, Chapter 27 Pages 452-467 Citations: 22 DOI: doi:10.1002/9781119054450.ch27	2016
Plant-microbe interactions: A molecular approach <i>Mustafeez Mujtaba Babar Sumayyah Fareed Khan Muhammad Kazim Zargaham Najam Us Sahar Sadaf Zaidi Alvina Gul</i> In: <i>Book on Plant, Soil and Microbes: Volume 2: Mechanisms and Molecular Interactions</i>, 1st Edition, Chapter 1, Page:1-22 Citations: 6 DOI: 10.1007/978-3-319-29573-2_1	2016
Genomics of plant, soil, and microbe interaction <i>Syeda Hafsa Ali Syeda Ayesha Ali Syed Abdul Munam Mustafeez Mujtaba Babar Alvina Gul</i> In: <i>Book on Plant, Soil and Microbes: Volume 2: Mechanisms and Molecular Interactions</i>, 1st Edition, Chapter 14, Pages 303-336 Citations: 1 DOI: 10.1007/978-3-319-29573-2_14	2016
Soil pollution and remediation <i>Sameen Ruqia Imadi Zeshan Ali Hamna Hasan Alvina Gul</i> In: <i>Book on Plant, Soil and Microbes: Volume 2: Mechanisms and Molecular Interactions</i>, 1st Edition, Chapter 18, Pages 423-438 Citations: 4 DOI: 10.1007/978-3-319-29573-2_18	2016
Marine biotechnology: Focus on anticancer drugs <i>Amit Rastogi Sameen Ruqia Imadi Alvina Gul</i> In: <i>Book on Applied Molecular Biotechnology: The Next Generation of Genetic Engineering</i>, 1st Edition, Chapter 24, Pages 556-566 Citations: N/A DOI: 10.1201/b19543-28	2016
Animal Models and Biomedical Research <i>Adeena Shafique Azka Khan Kinza Waqar Aimen Niaz Alvina Gul</i> In: <i>Book on Applied Molecular Biotechnology The Next Generation of Genetic Engineering</i>, 1st Edition, Chapter 11, Pages 267-288 Citations: N/A DOI: 10.1201/b19543-14	2016
Viral biotechnology Production perspective <i>Kinza Waqar Hafeez Ullah Alvina Gul</i> In: <i>Book on Applied Molecular Biotechnology : The Next Generation of Genetic Engineering</i>, 1st Edition, Chapter 19, Pages 453-464 Citations: N/A DOI: -	2016
Effects of pesticides on environment <i>Isra Mahmood Sameen Ruqia Imadi Kanwal Shazadi Alvina Gul Khalid Rehman Hakeem</i> In: <i>Book on Plant, Soil and Microbes: Volume 1: Implications in Crop Science</i>, 1st Edition, Chapter 13, Pages 253-269 Citations: 612 DOI: 10.1007/978-3-319-27455-3_13	2016

Sustainable crop production system <i>Sameen Ruqia Imadi Kanwal Shazadi Alvina Gul Khalid Rehman Hakeem</i> In: <i>Book on Plant, Soil and Microbes: Volume 1: Implications in Crop Science</i> , 1st Edition, Chapter 6, Pages 103-116 Citations: 31 DOI: 10.1007/978-3-319-27455-3_6	2016
Heat stress in wheat and interdisciplinary approaches for yield maximization <i>Sajjad Hussain Muhammad Jamil Abdul Aziz Napar Rida Rahman Asghari Bano Fakiha Afzal Alvina Gul Abdul Mujeeb Kazi</i> In: <i>Plant-Environment Interaction: Responses and Approaches to Mitigate Stress</i> , Chapter 9, Pages:161-183 Citations: 7 DOI: 10.1002/9781119081005.ch9	2016
Duckweed: An Efficient Hyperaccumulator of Heavy Metals in Water Bodies <i>Alvina Gul Zeshan Ali Hina Waheed Asim Hayat Mushtaq Ahmad</i> In: <i>Book on Plant Metal Interaction: Emerging Remediation Techniques</i> , Chapter 16, Pages 411-429 Citations: 28 DOI: 10.1016/B978-0-12-803158-2.00016-3	2016
Aluminum Toxicity in Plants: An Overview <i>Alvina Gul Sameen R. Imadi Sarah Waseem M.M. Azooz Parvaiz Ahmad</i> In: <i>Book on Plant Metal Interaction: Emerging Remediation Techniques</i> , Chapter 1, Pages 1-20 Citations: 38 DOI: 10.1016/B978-0-12-803158-2.00001-1	2016
Phytoremediation of Saline Soils for Sustainable Agricultural Productivity <i>Alvina Gul Sameen R. Imadi Syed W. Shah M.M. Azooz Parvaiz Ahmad</i> In: <i>Book on Plant Metal Interaction: Emerging Remediation Techniques</i> , Chapter 18, Pages 455-468 Citations: 44 DOI: 10.1016/B978-0-12-803158-2.00018-7	2016
Phytoextraction: The use of plants to remove heavy metals from soils <i>Zoya Ghorri Hira Iftikhar Muhammad Faraz Bhatti Nasar Um Minullah Iti Sharma Alvina Gul Parvaiz Ahmad</i> In: <i>Book on Plant-Metal Interaction: Emerging Remediation Techniques</i> , Chapter 15, Pages Pages 385-409 Citations: 40 DOI: https://doi.org/10.1016/B978-0-12-803158-2.00015-1	2016
Role of microbes and plants in phytoremediation: Potential of genetic engineering <i>Umesh B. Jagtab Vishwas A. Bapat Gaëlle Saladin Ewa Chudzińska Magdalena Krzesłowska Ewa M. Pawlaczyk Tayyaba Komal Alvina Gul Irena Sherameti Zeshan Ali</i> In: <i>Book on Ecological Restoration: Global Challenges, Social Aspects and Environmental Benefits</i> , Chapter 5, Pages Pages 89 -110 Citations: N/A DOI: 89-110	2016
Biotechnological applications to improve salinity stress in wheat <i>Sami Ullah Jan Ghulam Kubra Mehreen Naz Ifrah Shafqat Muhammad Asif Shehzad Fakiha Afzal Alvina Gul</i> In: <i>Book on Plant-Environment Interaction: Responses and Approaches to Mitigate Stress</i> , Chapter 1, Pages 1-27 Citations: N/A DOI: https://doi.org/10.1002/9781119081005.ch1	2016
Medicinal plants under abiotic stress: An overview <i>Sameen Ruqia Imadi Alvina Gul Kazi Abeer Hashem Elsayed Fathi Abd-Allah A. A. Alqarawi Parvaiz Ahmad</i> In: <i>Book on Plant-Environment Interaction: Responses and Approaches to Mitigate Stress</i> , Chapter 16, Pages 300-310 Citations: 8 DOI: https://doi.org/10.1002/9781119081005.ch16	2015
Omics approaches and abiotic stress tolerance in legumes <i>Alvina Gul Syeda Fatma Hasan Bukhari Sadia Arshad Mohamed Mahgoub Azooz</i> In: <i>Book on Legumes under Environmental Stress: Yield, Improvement and Adaptations</i> , Chapter 13, Pages 215-230 Citations: 5 DOI: 10.1002/9781118917091.ch13	2015
Genetic and molecular responses of legumes in a changing environment <i>Alvina Gul Mustafeez Mujtaba Babar Najam Us Sahar Sadaf Zaidi Mohamed Mahgoub Azooz</i> In: <i>Book on Legumes under Environmental Stress: Yield, Improvement and Adaptations</i> , Chapter 12, Pages 199-214 Citations: 2	2015

DOI: 10.1002/9781118917091.ch12	
Extraction of lignin from biomass for biofuel production <i>Alvina Gul Sameen Ruqia Imadi</i> In: <i>Book on Agricultural Biomass Based Potential Materials</i> , 1st Edition, Chapter 18, Pages 391-402 Citations: 7 DOI: doi.org/10.1007/978-3-319-13847-3_18	2015
Heavy metals in contaminated areas: Role of chemicals to enhance phytoextraction <i>Muhammad Abdullah Tayyaba Komal Alvina Gul A. Rodriguez-vila R. Forjan E.F. Covelo Muhammad Shahbaz Irena Sherameti Zeshan Ali</i> In: <i>Ecological Restoration: Global Challenges, Social Aspects and Environmental Benefits</i> , Chapter 6, Pages 1-18 Citations: N/A DOI: 111-128	2015
Phytoremediation of Soils: Prospects and Challenges <i>Orooj Surriya Sayeda Sarah Saleem Kinza Waqar Alvina Gul Kazi</i> In: <i>Book on Soil Remediation and Plants - Prospects and Challenges</i> , Chapter 1, Pages 1-36 Citations: 42 DOI: doi:10.1016/B978-0-12-799937-1.00001-2	2015
Effects of Gamma Radiation on Crop Production <i>Hafsa Ali Zoya Ghori Sandal Sheikh Alvina Gul Kazi</i> In: <i>Book on Crop Production and Global Environmental Issues</i> , Pages 27-78 Citations: 69 DOI: DOI:10.1007/978-3-319-23162-4_2	2015
Heavy Metal Uptake and Transport in Plants <i>Tayyaba Komal Midhat Mustafa Zeshan Ali Alvina Gul</i> In: <i>Book on Heavy Metal Contamination of Soils - Soil Biology</i> , Volume 44, Pages 181-194 Citations: N/A DOI: DOI:10.1007/978-3-319-14526-6_10	2015
Use of Alien Diversity to Combat Some Major Biotic Stresses in Triticum aestivum L. <i>Uzma Ghulam Kubra Alvina Gul Abdul Mujeeb-Kazi</i> In: <i>Book on Crop Production and Global Environmental Issues</i> , Chapter 14, Pages 319-347 Citations: 3 DOI: DOI:10.1007/978-3-319-23162-4_14	2015
Heavy Metal Built-Up in Agricultural Soils of Pakistan: Sources, Ecological Consequences, and Possible Remediation Measures <i>Zeshan Ali Alvina Gul Riffat N. Malik Mehreen Naz Tayyaba Khan Asim Hayat Abdul M. Kazi</i> In: <i>Book on Heavy Metal Contamination of Soils - Soil Biology</i> , Volume 44, Pages 32-42 Citations: N/A DOI: DOI:10.1007/978-3-319-14526-6_2	2015
Nanobiotechnology in agricultural development <i>Alvina Gul Saleha Resham Maria Khalid</i> In: <i>Book on PlantOmics: The Omics of Plant Science</i> , 1st Edition, Chapter 24, Pages 683-698 Citations: 14 DOI: 10.1007/978-81-322-2172-2_24	2015
Biotechnology approaches to overcome biotic and abiotic stress constraints in legumes <i>Mustafeez Mujtaba Babar Najam-us-Sahar Sadaf Zaidi Mohamed Mahgoub Azooz Alvina Gul</i> In: <i>Book on Legumes under Environmental Stress: Yield, Improvement and Adaptations</i> , Chapter 15, Pages 247-264 Citations: 3 DOI: doi:10.1002/9781118917091.ch15	2015
Nutrient deficiencies under stress in legumes: An overview <i>Fakiha Afzal Tahira Khan Ammarah Khan Saifullah Khan Hammad Raza Ayesha Ihsan Mohammad Abass Ahanger Alvina Gul Kazi</i> In: <i>Book on Legumes under Environmental Stress: Yield, Improvement and Adaptations</i> , Chapter 3, Pages 53-65 Citations: N/A DOI: -	2015
Plant pharmacogenomics: From drug discovery to personalized ethnomedicine <i>Alvina Gul Mustafeez Mujtaba Babar Najam Us Sahar Sadaf Zaidi</i> In: <i>Book on PlantOmics: The Omics of Plant Science</i> , 1st Edition, Chapter 25, Pages 699-730	2015

Citations: N/A	
DOI: 10.1007/978-81-322-2172-2_25	
Effect of industrial pollution on crop productivity	2015
<i>Muhammad Ali Abbas Hira Iftikhar Alvina Gul</i>	
In: <i>Crop Production and Global Environmental Issues</i> , 1st Edition, Chapter 5, Pages 123-151	
Citations: 3	
DOI: 10.1007/978-3-319-23162-4_5	
Plant mutagenesis and crop improvement	2015
<i>Alvina Gul Ambash Riaz</i>	
In: <i>Book on Crop Production and Global Environmental Issues</i> , 1st Edition, Chapter 8, Pages 181–209	
Citations: 14	
DOI: 10.1007/978-3-319-23162-4_8	
Bread wheat (<i>Triticum aestivum</i> L.) under biotic and abiotic stresses: An overview	2015
<i>Alvina Gul Fakiha Afzal Sunbal Khalil Chaudhari Asim Farooq Hassan Ali Safia Nisar Basma Sarfraz Komal Jamim Shehzadi Abdul Mujeeb-Kazi</i>	
In: <i>Book on Crop Production and Global Environmental Issues</i> , Chapter 13, Pages 293-317	
Citations: 39	
DOI: 10.1007/978-3-319-23162-4_13	
Plant-pollutant interaction	2015
<i>Rida Rehman Alvina Gul</i>	
In: <i>Book on Plants, Pollutants and Remediation</i> , Chapter 11, Pages 213-239	
Citations: 2	
DOI: DOI 10.1007/978-94-017-7194-8_11	
Taming food security through wastewater irrigation practices	2015
<i>Zeshan Ali Riffat Naseem Malik Alvina Gul Abdul Majeed-Kazi</i>	
In: <i>Book on Plants, Pollutants and Remediation</i> , Chapter 6, Pages 111-136	
Citations: 9	
DOI: 10.1007/978-94-017-7194-8_6	
Scenario of climate changes in the context of agriculture	2014
<i>Alvina Gul Rida Rehman Anber Hamdani Aisha Naseem Muhammad Ashraf</i>	
In: <i>Book on Physiological Mechanisms and Adaptation Strategies in Plants Under Changing Environment</i> Volume 2, Chapter 8, Pages 223-264	
Citations: 3	
DOI: 10.1007/978-1-4614-8600-8_8	
Bio-fuels: A Blessing in Disguise	2014
<i>Alvina Gul O. Surriya Syeda Sarah Saleem K. Waqar M. Öztürk</i>	
In: <i>Book on Phytoremediation for Green Energy</i> , 1st Edition, Chapter 2, Pages 11-54	
Citations: 26	
DOI: 10.1007/978-94-007-7887-0_2	
Mutation breeding: A novel technique for genetic improvement of pulse crops particularly chickpea (<i>cicer arietinum</i> L.)	2014
<i>Alvina Gul Mohd Rafiq Wani Mohd Imran Kozgar Nasya Tomlekova Samiullah Khan Subzar Ahmad Sheikh Parvaiz Ahmad</i>	
In: <i>Book on Improvement of Crops in the Era of Climatic Changes</i> , 1st Edition, Chapter 9, Pages 217-248	
Citations: 31	
DOI: doi.org/10.1007/978-1-4614-8824-8_9	
Microalgal biomass as a source of renewable energy	2014
<i>Alvina Gul Syed Hammad Raza Syed Harris Hussain Asad Abdullah Shahid Uzair Hashmi</i>	
In: <i>Book on Biomass and Bioenergy: Applications</i> , 1st Edition, Chapter 7, Pages 119-143	
Citations: N/A	
DOI: 10.1007/978-3-319-07578-5_7	
Production of algal biomass	2014
<i>Alvina Gul Samia Shafqat Hafsa Inam Uzair Hashmi Misbah Majid</i>	
In: <i>Book on Biomass and Bioenergy: Processing and Properties</i> , 1st Edition, Chapter 13, Pages 207-224	
Citations: 14	
DOI: 10.1007/978-3-319-07641-6_13	
Bamboo fiber processing, properties, and applications	2014
<i>Alvina Gul Sameen Ruqia Imadi Isra Mahmood</i>	

In: <i>Biomass and Bioenergy: Processing and Properties</i> , 1st Edition, Chapter 2, Pages 27-46	
Citations: 27	
DOI: DOI 10.1007/978-3-319-07641-6_2	
Integrating Physiological and Genetic Approaches for Improving Drought Tolerance in Crops	2014
<i>Alvina Gul Ahmad Ali Zeshan Ali Umar Masood Qureshi Riffat Naseem Malik Hassan Sher Abdul Mujeeb-Kazi</i>	
In: <i>Book on Emerging Technologies and Management of Crop Stress Tolerance</i> , Volume 2, Chapter 14, Pages 315-345	
Citations: 19	
DOI: https://doi.org/10.1016/B978-0-12-800875-1.00014-4	
Preventing Potential Diseases of Crop Plants Under the Impact of a Changing Environment	2014
<i>Mehmooona Ilyas Khola Rafique Sania Ahmed Sobia Zulfiqar Fakiha Afzal Maria Khalid Alvina Gul Abdul Mujeeb-Kazi</i>	
In: <i>Book on Emerging Technologies and Management of Crop Stress Tolerance</i> , Volume 2, Chapter 9, Pages 193-214	
Citations: 4	
DOI: https://doi.org/10.1016/B978-0-12-800875-1.00009-0	
Modern Tools for Enhancing Crop Adaptation to Climatic Changes	2014
<i>Kinza Waqar Orooj Surriya Fakiha Afzal Ghulam Kubra Shabina Iram Muhammad Ashraf Alvina Gul</i>	
In: <i>Book on Emerging Technologies and Management of Crop Stress Tolerance: Biological Techniques</i> , Volume 1, Chapter 2, Pages 143-157	
Citations: 2	
DOI: DOI: http://dx.doi.org/10.1016/B978-0-12-800876-8.00007-2	
Metabolomics Role in Crop Improvement	2014
<i>Alvina Gul Saleha Resham Fizza Akhter Muhammad Ashraf</i>	
In: <i>Book on Emerging Technologies and Management of Crop Stress Tolerance: Biological Techniques</i> , Volume 1, Chapter 2, Pages 39-55	
Citations: 5	
DOI: https://doi.org/10.1016/B978-0-12-800876-8.00002-3	
Improvement of Legume Crop Production Under Environmental Stresses Through Biotechnological Intervention	2014
<i>Alvina Gul Adeena Shafique Sammia Rehman Azka Khan</i>	
In: <i>Book on Emerging Technologies and Management of Crop Stress Tolerance</i> , Volume 2: A Sustainable Approach, Chapter 1, Pages 1-12	
Citations: 8	
DOI: doi.org/10.1016/B978-0-12-800875-1.00001-6	
Reactive Oxygen Species and Antioxidants in Response to Pathogens and Wounding	2014
<i>Alvina Gul Fakiha Afzal Rabia Khurshid Muhammad Ashraf</i>	
In: <i>Book on Oxidative Damage to Plants: Antioxidant Networks and Signaling</i> , Chapter 13, Pages 397-424	
Citations: 26	
DOI: doi.org/10.1016/B978-0-12-799963-0.00013-7	
Organic farming: The return to nature	2014
<i>Alvina Gul Saima Siddique Madeeha Hamid Ameema Tariq</i>	
In: <i>Book on Improvement of Crops in the Era of Climatic Changes</i> , 1st Edition, Chapter 10, Pages 249–281	
Citations: 17	
DOI: DOI: 10.1007/978-1-4614-8824-8_10	
Agricultural pollution: An emerging issue	2014
<i>Alvina Gul Aqsa Abbasi Ayesha Sajid Namra Haq Sammia Rahman Muhammad Ashraf Zujaja-tul-Misbah Gul Sanober</i>	
In: <i>Book on Improvement of Crops in the Era of Climatic Changes</i> , Volume 1, Chapter 13, Pages 347-387	
Citations: 27	
DOI: DOI: 10.1007/978-1-4614-8830-9_13	
Brassicas: Responses and tolerance to heavy metal stress	2014
<i>Alvina Gul Shaista Qadir Asiya Hameed Nahida Tun Nisa MM Azooz Mohd Rafiq Wani Mirza Hasannuzaman Parvaiz Ahmad</i>	
In: <i>Book on Improvement of Crops in the Era of Climatic Changes</i> , Chapter 1, Pages 1-36	
Citations: 8	
DOI: doi.org/10.1007/978-1-4614-8824-8_1	
Sustainable Agriculture for Global Food Security	2013
<i>Malik Zahoor Ahmad Muhammad Ashraf Hadi Bux Sumaira Farrakh Abdul Mujeeb-Kazi Alvina Gul</i>	
In: <i>Agricultural Systems in the 21st Century</i> , Chapter 4, Pages 83-112	
Citations: N/A	
DOI: doi.org/10.17226/12232	
Impact of Desertification and Population Density on Food Security	2013

Adeena Shafique Shehroze Ameen Hafsa Inam Sadia Arshad Tehreem Tanveer Kanwal Shaheen Sara Nazain Sajida Parveen Muhammad Ashraf Alvina Gul
In: *Agriculture in 21st Century*, Chapter 10, Pages 231-254

Citations: N/A

DOI: https://www.researchgate.net/publication/331821374_Impact_of_Desertification_and_Population_Density_on_Food_Security

Combating Water Scarcity for Global Food Security 2013

Zeshan Ali Barkat Ali Ashiq Muhammad Mushtaq Ahmad Ijaz Ahmad Abdul Aziz Napar Alvina Gul Ahmad Ali Shamim-ul-Sibtain Shah A. Mujeeb-Kazi
In: *Book on Agriculture in 21st Century*, Chapter 1, Pages 1-30

Citations: N/A

DOI: https://www.novapublishers.com/catalog/product_info.php?products_id=45526

Biotic stress and crop improvement: A wheat focus around novel strategies 2013

Alvina Gul Awais Rasheed Abdul Mujeeb-Kazi

In: *Book on Crop Improvement: New Approaches and Modern Techniques*, 1st Edition, Chapter 7, Pages 239-267

Citations: 9

DOI: DOI 10.1007/978-1-4614-7028-1_7

An overview of omics for wheat grain quality improvement 2013

Alvina Gul Awais Rasheed Tariq Mahmood Abdul Mujeeb-Kazi

In: *Book on Crop Improvement: New Approaches and Modern Techniques*, 1st Edition, Chapter 10, Pages 307–344

Citations: 1

DOI: 10.1007/978-1-4614-7028-1_10

Molecular Basis of Disease Resistance in Cereal Crops: An Overview 2012

Hadi Bux Awais Rasheed Dipak Sharma Poudyal Alvina G Kazi Muhammad Afzaal Muhammad Ashraf

In: *Crop Production for Agricultural Improvement*, Chapter 18, Pages 477-489

Citations: 4

DOI: 10.1007/978-94-007-4116-4_18

Genetic resources for some wheat abiotic stress tolerances 2009

A Mujeeb-Kazi Alvina Gul I Ahmad M. Farooq Y. Rauf A. ur Rahman H. Riaz

In: *Salinity and Water Stress*, Chapter 16, Pages 149-163

Citations: N/A

DOI: https://doi.org/10.1007/978-1-4020-9065-3_16

Editorial Activities

Edited Journal Issue / Proceeding / Book

Impact Factor: NA

Edited Journal Issue / Proceeding / Book

Impact Factor: -

2024

2020