

LIST OF PUBLICATIONS

1. Habib, Samira, Syed Dilnawaz Ahmad Gardezi, Ahmed Mahmoud Ismail, **Safira Attacha**, Sajid Fiaz, Muhammad Imran Hamza, Armghan Shehzad, and Shazia Arif. **"Biochemical Characterization and Phylogenetic Diversity Assessment of Onion (*Allium Cepa* L.) Genotypes."** Plant Molecular Biology Reporter 44, no. 2 (2026): 77.
2. Shah, Syed Jehangir, Somaira Bibi, **Safira Attacha**, Syed Tanveer Shah, Noreen Asim, Waqas Ahmad, Muhammad Sayyar Khan, Ishrat Naz, Muhammad Ibrahim, and Aftab Jamal. **"Isolation and molecular characterization of plant growth-promoting rhizobacteria for biocontrol of Fusarium head blight in wheat."** Cereal Research Communications 54, no. 1 (2026): 503-518.
3. Arif, Shazia, Hafiz Muhammad Ahmed, **Safira Attacha**, Kotb A. Attia, Arif Ahmed Mohammed, Saira Ishaq, Shahid Iqbal Awan, Sajid Fiaz, Waseem Alam, and Seung Hwan Yang. **"Molecular Characterization and Comparative Transcriptomic Analysis of Hr-Lcyb and Hr-Psy Genes for Carotenoids Synthesis in Sea Buckthorn (*Hippophae rhamnoides* L.)."** Journal of Soil Science and Plant Nutrition (2024): 1-12.
4. Rashid, Mamoon Ur, Syed Jehangir Shah, **Safira Attacha**, Luqman Khan, Jawad Saeed, Syed Tanveer Shah, and Heba I. Mohamed. **"Green Synthesis and Characterization of Zinc Oxide Nanoparticles Using Citrus limetta Peels Extract and Their Antibacterial Activity Against Brown and Soft Rot Pathogens and Antioxidant Potential."** Waste and Biomass Valorization (2024): (15) 3351-3366
5. Zaib P, Ahmad HM, **Safira Attacha**, Rahman MU, Shafiq MR, Parveen K, Fiaz S, Attia KA, Ishaq S, Arif S, Abushady AM, Umer MJ. **Comparative genomics of light harvesting chlorophyll (LHC) gene family and impact of chlorophyll-A contents under drought stress in Helianthus annuus.** J Plant Physiol. 2023 Dec;291:154136. doi: 10.1016/j.jplph.2023.154136. Epub 2023 Nov 18. PMID: 38007968.
6. Ullah, I., Uzair, M., Rehman, O. U., **Safira Attacha**, Attia, K. A., Ahmad, S., ... & Wu, H. (2023). **Characterization of the tubby-like proteins (TLPs) gene family in Cucumis sativus L.: insights into the evolution, structure, and expression patterns under salt stress.** Genetic Resources and Crop Evolution, 1-18.
7. Iqbal, Zubair, Muhammad Shahid Iqbal, Salman Alamery, Khurram Shehzad, Qamar U. Zaman, **Safira Attacha**, Zareen Sarfraz et al. **"Genome-wide association study reveals novel genes on different chromosomal positions regulating boll weight in upland cotton (*Gossypium hirsutum* L.)."** Genetic Resources and Crop Evolution 71, no. 2 (2024): 785-799.
8. Obaid Ur Rehman, Muhammad Uzair, Muhammad Shahbaz Farooq, Bilal Saleem, **Safira Attacha**, Kotb A. Attia, Umer Farooq, Sajid Fiaz, Wael. H. El-Kallawy, Itoh Kimiko, Muhammad Ramzan Khan. **"Comprehensive insights into the regulatory mechanisms of lncRNA in alkaline-salt stress tolerance in rice."** Molecular Biology Reports (2023): 1-12.

9. Tahira Luqman, Zia-ul Qamar, Aqsa Tabasum, Wael. H. El-Kallawy, Talha Nazir, **Safira Attacha**, Sajid Fiaz, Muhammad Azhar Nadeem, Amjad Hameed, Zahra Maryum, Itoh Kimiko, Kotb Attia. "Genetic characterization of coarse and basmati rice (*Oryza sativa* L.) through microsatellite markers and morpho-agronomic traits." *Genetic Resources and Crop Evolution* (2023): 70:2307-2320
10. Muhammad Farrukh Tahir, Muhammad Zaman Khan, **Safira Attacha**, Noreen Asim, Muhammad Tayyab , Azam Ali , Jiri Militky and Blanka Tomková. " **The Comparative Performance of Phytochemicals, Green Synthesised Silver Nanoparticles, and Green Synthesised Copper Nanoparticles-Loaded Textiles to Avoid Nosocomial Infections**" (2022). *Nanomaterials* 12(20):3629.
11. Muhammad Saeed, Muhammad Ibrahim, Waqas Ahmad, Muhammad Tayyab, **Safira Attacha**, Mudassar Nawaz Khan, Sultan Akbar Jadoon, Syed Jehangir Shah, Shaista Zeb, Liaqat Shah, et al. "**Molecular Characterization of Diverse Wheat Genetic Resources for Resistance to Yellow Rust Pathogen (*Puccinia striiformis*)**". 2022. *Agronomy*12(12) 2951.
12. Azam Ali, Fiaz Hussain, **Safira Attacha**, Ambreen Kalsoom, Waseem Akhtar Qureshi, Muhammad Shakeel, Jiri Militky, Blanka Tomkova and Dana Kremenakova. **Development of Novel Antimicrobial and Antiviral Green Synthesized Silver Nanocomposites for the Visual Detection of Fe³⁺ Ions (2021)**. *Nanomaterials* 11(8), 2076.
13. Aisha Bano , Azhar Hussain Shah, Saad Hussain Shah, Ibrahim Khan4, **Safira Attacha**, Wajiha Khan, Salma Anjum , Ayesha Bibi , Rabia Masood , Sohail Ahmad Jan (2020). "**An efficient cost effective protocol for micropropagation of potato using natural mentha extract**". *Fresenius Environmental Bulletin*. 29(06/2020) 4253-4261
14. Mahreen Ul Hassan, Hina Nayab, Farheen Shafique, Mike P. Williamson, Taghreed Saud Almansouri, Noreen Asim, Nuzhat Shafi, **Safira Attacha**, Madiha Khalid, Nasir Ali, Nazia Akbar (2020), "**Probiotic Properties of Lactobacillus helveticus and Lactobacillus plantarum Isolated from Traditional Pakistani Yoghurt**"2020, *BioMed Research International*, vol. 2020.
15. **Safira Attacha**, David Solbach , Krisztina Bela, Anna Moseler, Stephan Wagner, Markus Schwarzländer , Isabel Aller , Stefanie J Müller, Andreas J Meyer. "**Glutathione peroxidase-like enzymes cover five distinct cell compartments and membrane surfaces in *Arabidopsis thaliana***". *Plant, cell & environment*. (2017) 40,1281–1295
16. Ijaz Ali, Lubna Siddique, Latif U Rehman, Najib U Khan, Aqib Iqbal , Iqbal Munir, Farzana Rashid, Sana U Khan, **Safira Attacha**, Zahoor A Swati and Mehwish S Aslam (2011). **Prevalence of HCV among the high risk groups in Khyber Pakhtunkhwa**. *Virology journal*, 8(1), 296