

## PUBLICATIONS

1. Halima Tahir, Nadeem Muhammad, Azeem Intisar, Muhammad Imran Din, **Uzma Qaisar**, Muhammad Abdul Qadir, Noor-ul-ain, Zeeshan Ahmad, Pakeeza Aziz, Muhammad Khurram Shahzad, Irshad Hussain. 2021. Essential oil composition and antibacterial activity of *Canarium strictum* Roxb resin. *Plant Biosystems*. <https://doi.org/10.1080/11263504.2020.1869114>
2. Shagufta Kamal, Naheed Akhter, Nazia Yaqoob, **Uzma Qaisar**, Ismat Bibi, Saira Shahzadi, Aqsa Nadeem, Muhamamd Azeem. 2020. Quantification and characterization of Myo-inositol in locally available peanuts and pine nuts in Pakistan. *Pakistan Journal of Pharmaceutical Sciences*. Vol.33 (3): 1289-1295.
3. Asma Manzoor, **Uzma Qaisar**, Zahida Parveen, Saima Siddique, Andleeb Anwar Sardar, Nabila Ishaq. 2020. In vitro anticancer and antioxidant potential of cestrum species. *Pakistan Journal of Pharmaceutical Sciences*. Vol.33 (4): 147-153
4. Mahnoor Imran, Maria Butt, Abdul Hannan, Asma Manzoor and **Uzma Qaisar\***. 2020. Gene editing: A potential tool to enhance field crop production. *International Journal of Biotech Trends and Technology (IJBT)* – Vol.10 (1): 72-82.
5. Anam Iftikhar, Azka Asif, Asma Manzoor, Muhammad Azeem, Naeem Rashid and **Uzma Qaisar\***.2020. Mutation in pvcABCD operon of *Pseudomonas aeruginosa* modulates chloramphenicol resistance and mexEF-OprN efflux system. *Microbial Pathogenesis*.149: 104491.
6. Mahnoor Imran, Shaher Bano, Asma Manzoor, Muhammad Azeem, Tanzeela Rehman, Samina Yousaf, Maria But, Tousif Hussain and **Uzma Qaisar\***.2020. Ectopic expression of fiber related *Gbwri1* complements seed phenotype in *Arabidopsis thaliana*. *International Journal of Agriculture & Biology*. 25: 123-130.
7. Khadija Rafiq, Muhammad Sohail Akram, Muhammad Shahid, **Uzma Qaisar**, Naeem Rashid. Enhancement of salt tolerance in maize (*Zea mays* L.) using locally isolated *Bacillus* sp. SR-2-1/1. *Biologia*.1-12.
8. Rabia Mirza, Muhammed Azeem and **Uzma Qaisar\***. Influence of *Peganum harmala* peptides on the transcriptional activity of biofilm related genes in sensitive and resistant strains of *Pseudomonas aeruginosa* and *Staphylococcus aureus*. *Pakistan Journal of Pharmaceutical Sciences*, 32(5): 2341-2345
9. Muhammad Usman Qamar, Ghulam Mustafa, **Uzma Qaisar**, Farrukh Azeem. 2019. Molecular detection of *blaNDM* and *blaVIM* in clinically isolated multi-drug resistant *Escherichia coli* in Pakistan. *Pakistan Journal of Pharmaceutical Sciences*, 32(5): 2305-2309
10. Tauseef Anwar, Hira Qureshi, Nida Parveen, Raheel Bashir, **Uzma Qaisar**, Muhammad Munazir. 2019. Evaluation of bioherbicidal potential of *Carica papaya* leaves. *Brazilian Journal of Biology*. <https://doi.org/10.1590/1519-6984.216359>
11. Maira Afzal, Asima Tayyeb, **Uzma Qaisar\***. 2019. Commercial Applications of Plant Pigments. 2019. *International journal of biotech trends and technology*.9 (3)
12. **Uzma Qaisar\***. 2019. *Peganum harmala*: a rich source of antimicrobial agents. *International journal of biotech trends and technology*.9 (4)
13. Azka Asif, Anam Iftikhar, Abdul Hamood, Jane A. Colmer-Hamood and **Uzma Qaisar\***. 2018. Isonitrile-functionalized tyrosine modulates swarming motility and quorum sensing in *Pseudomonas aeruginosa*. *Microbial pathogenesis*. 127, 288-295.
14. Asima Tayyeb, **Uzma Qaisar**, Muhammad ShahJahan, Hanfa Ashfaq and Zafar Abbas Shah. 2018. FASN expression correlation analysis to Anti-cancer drugs. *International Journal of Current Research*.
15. Rida Khalid, Qudsia Jaffar, Asima Tayyeb and **Uzma Qaisar\***. 2018. *Peganum harmala* peptides (PhAMP) impede bacterial growth and biofilm formation in burn and surgical wound pathogens. *Pakistan Journal of Pharmaceutical Sciences*. 31(6), 2597-2605
16. Muhammad Qasim, Muhammad Azeem, Muhammad Zubair, **Uzma Qaisar**, Asad Ali and Farrukh Azeem. 2018. Phylogenetic analysis of the Trithorax homologs and related proteins in *Cicer arietinum* *International Journal of Agriculture and Biology* 20 (3), 575-582.
17. Saba Khurshid, Amna Shoaib, Arshad Javaid, **Uzma Qaisar\***. 2018. Antifungal activity of aerial parts of *Cenchrus pennisetiformis* against *fusarium oxysporum* f. sp. *Lycopersici*. *Plant Daninha*. Doi: 10.1590/S0100-83582018360100023
18. **Uzma Qaisar\***, Fozia Akhtar, Muhammed Azeem and Samina Yousaf. 2017. Studies on involvement of Wrinkled1 transcription factor in the development of extra-long staple in cotton. *Indian Journal of Genetics and Plant Breeding (The)* 77 (2), 298-303.
19. Saba Khurshid, Amna Shoaib, Arshad Javaid, Fozia Akhtar, Muhammad Shafiq, **Uzma Qaisar\***. 2017. Management of *Fusarium* wilt of tomato by soil amendment with *Cenchrus pennisetiformis* under

- chromium stress. *Physiological and Molecular Plant Pathology* 97, 58-68.
20. Saba Khurshid, Amna Shoaib, Arshad Javaid, **Uzma Qaisar\***. 2016. Antifungal activity of ethyl acetate extracts of *Cenchrus pennisetiformis* in the presence of Cr (III) and Cr (VI). *Pakistan Journal of Phytopathology*. 28 (2), 213-221.
  21. **Uzma Qaisar\***, Cassandra J Kruczek, Muhammed Azeem, Nasir Javaid, Jane A Colmer-Hamood, Abdul N Hamood. 2016. The *Pseudomonas aeruginosa* extracellular secondary metabolite, Paerucumarin, chelates iron and is not localized to extracellular membrane vesicles. *Journal of Microbiology*. 54 (8), 573-581.
  22. Saba Khurshid, Amna Shoaib, Arshad Javaid, **Uzma Qaisar\***. 2016. Fungicidal potential of allelopathic weed *cenchrus pennisetiformis* on growth of *fusarium oxysporum* f. sp. *lycopersici* under chromium stress. *Planta Daninha*. 34 (3), 453-463.
  23. Cassandra Kruczek, **Uzma Qaisar**, Jane A. Colmer-Hamood, and Abdul N. Hamood. 2014. Serum influences the expression of *Pseudomonas aeruginosa* quorum sensing genes and QS-controlled virulence genes during early and late stages of growth. *MicrobiologyOpen*. 3(1), 64-79.
  24. Cecily L. Haley, **Uzma Qaisar**, Jane A. Colmer-Hamood and Abdul N. Hamood. 2014. Mucin inhibits *Pseudomonas aeruginosa* biofilm formation by significantly enhancing twitching motility. *Canadian Journal of Microbiology*. 60 (3): 155-166.
  25. **Uzma Qaisar\***, Liming Luo, Cecily L. Haley, Sean F. Brady, Nancy L. Carty, Jane A. Colmer-Hamood and Abdul N. Hamood. 2013. The pvc operon regulates the expression of the *Pseudomonas aeruginosa* fimbrial chaperone/usher pathway (cup) genes. *PLoS ONE* 8(4): e62735. doi:10.1371/journal.pone.0062735.
  26. **Uzma Qaisar\***, Shu Wang, Xiangling Yin, Paula Grammas. 2012. Gene Expression Profiling in Microvessels Isolated from Human Alzheimer's disease Brains. *JAD*. 31(1):193-205
  27. **Uzma Qaisar\***, Muhammad Irfan, Asma Meqbool, Muzna Zahoor, Muhammad Younas Khan, Bushra Rashid, Sheikh Riazuddin, and Tayyab Husnain. 2010. Identification, sequencing and characterization of a stress induced homologue of fructose bisphosphate aldolase from cotton. *Can. J Plant Sci*. 90 (1), 41-48.
  28. Roger A. Barthelson, **Uzma Qaisar** and David W. Galbraith. 2010. Functional Analysis of the *Gossypium arboreum* Genome. *Plant Mol Biol Rep*. 28 (2): 334-343.
  29. Muzna Zahur, Asma Maqbool, Muhammad Irfan, Muhammad Younas Khan Barozai, **Uzma Qaisar**, Bushra Rashid, Tayyab Husnain and Shiekh Riazuddin. 2009. Functional analysis of cotton small heat shock protein promoter region in response to abiotic stresses in tobacco using *Agrobacterium*-mediated transient assay. *Mol Biol Rep* 36:1915–1921.
  30. Muhammad Younas Khan Barozai, Muhammad Irfan, Rizwan Yousaf, Imran Ali, **Uzma Qaisar**, Asma Maqbool, Muzna Zahoor, Bushra Rashid, Tayyab Hussnain and Sheikh Riazuddin. 2008. Identification of micro-RNAs in cotton. *Plant Physi and Biochem*. 46:739-751
  31. Asma Maqbool, Muzna Zahur, Muhammad Irfan, **Uzma Qaisar**, Bushra Rashid, Tayyab Husnain and Shiekh Riazuddin. 2007. Identification, Characterization and Expression of Drought Related alpha-Crystalline Heat Shock Protein Gene (GHSP26) from Desi Cotton. *Crop Sci* 47:2437-2444.

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## **BOOKS / BOOK CHAPTERS PUBLISHED**

1. Tanzeela Rehman and **Uzma Qaisar**, Site Directed Mutagenesis in Plants. 2020. *Mutagenesis, Cytotoxicity and Crop Improvement*. Cambridge Scholars Publishing Ltd. UK. (In Press)
2. Samina Yousaf, Tanzeela Rehman and **Uzma Qaisar**. *Mutagenesis and Plant Breeding in 21<sup>st</sup> Century*. 2020. *Mutagenesis, Cytotoxicity and Crop Improvement*. Cambridge Scholars Publishing Ltd. UK. (In Press).
3. **Uzma Qaisar**, Samina Yousaf, Tanzeela Rehman, Anila Zainab, Asima Tayyeb. 2017. *Transcriptome Analysis and Genetic Engineering. Applications of RNA-Seq and Omics Strategies-From Microorganisms to Human Health*. InTech.pp. 213-225.
4. Asima Tayyeb, Fareeha Azam, Rabia Nisar, Rabia Nawaz, **Uzma Qaisar**, Gibran Ali. 2017. *Regenerative Medicine in Liver Cirrhosis: Promises and Pitfalls*. *Liver Cirrhosis-Update and Current Challenges*.233-256
5. **Uzma Qaisar**, Asima Tayyeb and Tariq Ahmad Bhat. 2017. *Techniques of chromosome studies. Chromosome Structure and Aberrations*. Springer. 307-330
6. Abdul Qayyum Rao. Salah ud Din, Sidra Akhtar, Muhammad Bilal Sarwar, Mukhtar Ahmed, Bushra Rashid, **Uzma Qaisar**, Ahmed Ali Shahid, Idrees Ahmed Nasir and Tayyab Husnain. *Genomics of Salinity tolerance in plants*. 2016. Intech Publishers.

7. **Uzma Qaisar**. 2012. Drought Tolerance. Lambert Academic Publishing AG & Co. KG. ISBN-13: 9783848404636 (<http://www.barnesandnoble.com/w/drought-toleranceuzma-qaisar/1108828331?ean=9783848404636>)