
Publications

2019

- Fiaz Ahmad*, Kiran Farman, **Muhammad Waseem***, Rashid Mehmood Rana, Muhammad Amjad Nawaz, Hafiz Mamoon Rehman, Tanveer Abbas, Faheem Shehzad Baloch, Ahmed Akrem, Ji Huang and Hongsheng Zhang. 2019. *Genome-wide identification, classification, expression profiling and DNA methylation (5mC) analysis of stress-responsive ZFP transcription factors in rice (Oryza sativa L.)*. [Gene](#), accepted July 26, 2019, in press (IF = 2.63)
- Muhammad Naeem*, Rafia Muqarab, **Muhammad Waseem**. 2019. *The Solanum melongena COP1 delays fruit ripening and influences Ethylene signaling in tomato*. [Journal of Plant Physiology](#). 240: 152997. doi: 10.1016/j.jplph.2019.152997 (IF = 2.85)
- **Muhammad Waseem**, Xiongyi Rong, Zhengguo Li.* 2019. *Dissecting the role of a basic Helix-Loop-Helix transcription factor, SlbHLH22, under salt and drought stresses in transgenic Solanum lycopersicum L.* [Front. Plant Sci.](#) 10:734. doi: 10.3389/fpls.2019.00734 (IF = 4.10)
- **Muhammad Waseem**, Ning Li, Deding Su, Jingxuan Chen, Zhengguo Li*. 2019. *Overexpression of a basic helix-loop-helix transcription factor gene, SlbHLH22, promotes early flowering and accelerates fruit ripening in tomato (Solanum lycopersicum L.)*. [Planta](#). 250:173-185 doi: 10.1007/s00425-019-03157-8 (IF = 3.06)
- Sidra Habib, **Muhammad Waseem**, Ning Li, Lu Yang, and Zhengguo Li*. 2019. *Overexpression of SlGRAS7 affects multiple behaviours leading to confer abiotic stresses tolerance and impacts gibberellin and auxin signaling in Tomato*. [International Journal of Genomics](#) doi: 10.1155/2019/4051981 (IF = 2.30)
- **Muhammad Waseem**, Zhengguo Li*. 2019. *Overexpression of tomato SlbHLH22 transcription factor gene enhances fruit sensitivity to exogenous phytohormones and shortens fruit shelf-life*. [Journal of Biotechnology](#). 299: 50-56, doi: 10.1016/j.jbiotec.2019.04.012 (IF = 3.16)

2018

- **Muhammad Waseem**, Fiaz Ahmad, Sidra Habib, and Zhengguo Li*. 2018. *Genome-wide identification of the auxin/indole-3-acetic acid (Aux/IAA) gene family in pepper; its characterisation, and comprehensive expression profiling under environmental and phytohormones stress*. [Scientific Reports](#), 8(1), 12008. doi:10.1038/s41598-018-30468-9 (IF = 4.01)
- **Muhammad Waseem**, Fiaz Ahmad, Sidra Habib, Yanqiang Gao* and Zhengguo Li*. 2018. *Genome-wide identification of FK506-binding domain protein gene family, its characterization, and expression analysis in tomato (Solanum lycopersicum L.)*. [Gene](#), 678, 143-154. (IF = 2.63)
- **Muhammad Waseem***, Fiaz Ahmad. 2018. *The Phosphoenolpyruvate Carboxylase gene family identification and expression analysis under abiotic and phytohormone stresses in Solanum lycopersicum L.* [Gene](#), 690, 11-20 (IF = 2.63)

2017

- Fiaz Ahmad*, Ayesha Akram, Kiran Farman, Tanveer Abbas, Asma Bibi, Sobia Khalid and **Muhammad Waseem**. 2017. *Molecular Markers and Marker Assisted Plant Breeding: Current Status and their Applications in Agricultural Development*. [Journal of Environmental and Agricultural Sciences](#). 11: 35-50. (HEC recognized)