

Dr. Sameera Hassan

PUBLICATIONS

1. **Sameera Hassan**, Imran Qadir, Aqsa Aslam, Bushra Rashid, Muhammad Bilal Sarwar & Tayyab Husnain (2019). Cloning, Genetic Transformation and Cellular Localization of Abiotic Stress Responsive Universal Stress Protein Gene (*GUSP1*) in *Gossypium hirsutum*. *Iranian Journal of Biotechnology*: <http://www.ijbiotech.com/article 85196.html>
2. Anicet Agossa Batcho, Muhammad Bilal Sarwar, Leeza Tariq, Bushra Rashid, **Sameera Hassan** & Tayyab Husnain (2019). Identification and characterization of heat shock protein gene (HSP70) family and its expression in *Agave sisalana* under heat stress. *The Journal of Horticultural Science and Biotechnology*
<https://doi.org/10.1080/14620316.2019.1685412>
3. Zarnab Ahmad, Sajjad Sadique, Muhammad B. Sarwar, Bushra Rashid, Sameera Hassan, Sultana Rasheed, Khurram Bashir, Motoaki Seki & Tayyab Husnain (2019). Transcriptomic analysis of root specific drought mediated response of *G. arboreum* and *G. hirsutum*. *Biologia*
<https://doi.org/10.2478/s11756-019-00382-0>
4. Muhammad Bilal Sarwar, Zarnab Ahmad, Bushra Rashid, **Sameera Hassan**, Per L. Gregersen, Maria De la O. Leyva, Istvan Nagy, Torben Asp & Tayyab Husnain (2019). De novo assembly of *Agave sisalana* transcriptome in response to drought stress provides insight into the tolerance mechanisms. *Scientific Reports-uk*; **9**: 396-409.
5. Anwar Khan, Bushra Tabassum, Khadija Aaliya, Muhammad Tariq, Idrees Ahmad Nasir, **Sameera Hassan**., ISMAIL,T., ALI,N. and PONYA,Z. (2019) The Effectiveness of Recombinant Chitinase obtained from Barley (*Hordeum vulgare* L.) against Potato Pathogens. *Applied Ecology and Environmental Research*; **17**: 4147-4157.

6. Muhammad Bilal Sarwar, Ahmad B, Bushra Rashid, **Sameera Hassan** and Tayyab Husnain (2019). Sequence Analysis of Alpha Crystalline Domain of Small Heat Shock Proteins (sHSPs) Family in different plant species. *Iranian Journal of Science and Technology, Transactions A: Science* **43(4)**: 1457-1467.
7. **Sameera Hassan**, Tahir Rehman Samiullah, Mahmood ur Rahman Ansari, Bushra Rashid & Tayyab Husnain (2018). Cloning, Antibody Development, Expression and Cellular Localization of Universal Stress Protein Gene (USP1-GFP) in Transgenic Cotton. *Journal of Plant Biochemistry and Biotechnology*. 27(2):175–185.
8. Iqra Rehman, Beenish Aftab, Muhammad Bilal Sarwar, Bushra Rashid, Qurban Ali, Muhammad Umair Majid, **Sameera Hassan**, Muhammad Azam Ali, Idrees Ahmad Nasir, Muhammad Saleem Haider, Tayyab Husnain (2017). Gene Expression in Response to Cotton Leaf Curl Virus Infection in *Gossypium hirsutum* under variable environmental conditions. *Genetika*. 49 (3): 1115-1126.
9. Sadia Javed, Munazzah Meraj, Saqib Mahmood, Arruje Hameed, Farah Naz, Sameera Hassan & Rao Irfan (2017). Biosynthesis of lovastatin using agro-industrial wastes as carrier substrates. *Tropical Journal of Pharmaceutical Research*. 16 (2): 263-269.
10. Bahaeldeen Babikar, Beenish Aftab, Muhammad Bilal sarwar, bushra rashid, Zarnab Ahmad, **Sameera Hassan** and Tayyab Husnain (2017). Identification and characterization of the diverse stress responsive R2R3-RMYB transcription factor from *Hibiscus sabdariffa* L. *International Journal of Genomics*. 2017: 1-12.
11. Sadia Javed, Amair Raza, Saqib Mahmood, Munazzah Meraj, Farah Naz, Sameera Hassan (2017). Strain improvement of *Aspergillus terreus* for hyper production of lovastatin and immobilization of mutant atu-06 strain for repeated batch culture process. *Acta Poloniae Pharmaceutica-Drug Researc*; **74(5)**: 1485-1491

12. **Sameera Hassan**, Sajjad Sadique , Muhammad Bilal Sarwar, Bushra Rashid, Tayyab Husnain. (2015). Morpho-physiological, biochemical and developmental responses of diploid cotton (*Gossypium arboreum* L.) cultivars under varying NaCl stress. *International Journal of Biosciences*. 6(12): 9-20.
13. Bahaeldeen Babiker Mohamed, Muhammad Bilal Sarwar, **Sameera Hassan**, Bushra Rashid, Beenish Aftab, Tayyab Husnain. (2015). Tolerance of Roselle (*Hibiscus sabdariffa* L.) Genotypes to Drought Stress at Vegetative Stage. *Advancements in Life Sciences*. 2(2): 74-82.
14. Adil Jamal, Muhamamd Naveed Shahid, Beenish Aftab, Bushra Rashid, Sarfraz kiani, Bahaeldeen Babiker Mohammed, Muhammad Bilal Sarwar, **Sameera Hassan**, Tayyab Husnain (2015). Alternation in Photosynthetic Pigments Water Relation and Biochemical in Cottons Subjected to Drought Stress. *Journal of Global Biosciences*. 4(2): 1517-1529
15. Bahaeldeen Babiker Mohamed, Muhammad Naveed Shahid, Bushra Rashid, Adil Jamal, Beenish Aftab, Abdelhafiz Adam Dahab, Sarfraz Kiani, Muhammad Aleem Ashraf, Muhammad Bilal Sarwar, **Sameera Hassan** and Tayyab Husnain. (2015). Identifying salt stress-responsive transcripts from Roselle (*Hibiscus sabdariffa* L.) roots by differential display. *African journal of Biotechnology*, 13(53): 4775-4781.
16. Muhammad Bilal Sarwar , Sajjad Sadique , **Sameera Hassan** , Sania Riaz , Bushra Rashid , Bahaeldeen Babiker Mohamed, Tayyab Husnain (2015). Physio-Biochemical and Molecular Responses in Transgenic Cotton under Drought Stress. *Journal of Agricultural Sciences*, 23: 157-166.
17. Naila Shahid, SanaTahir, Abdul Q. Rao, **Sameera Hassan**, Anwar Khan, Ayesha Latif, Muhammad Au Khan, Bushra Tabassum, Ahmed A. Shahid, Ahmed U. Zafar & Tayyab Husnain (2015). *Escherichia coli* expression of

NDV fusion protein gene and determination of its antigenic epitopes. *Biologia*, 70(12), 1553-1564.

18. Muhamad Nadeem Hafeez, Sajjad Sadique, **Sameera Hassan**, Muhammad Bilal Sarwar, Bushra Rashid, Qurban Ali, Tayyab Husnain (2015). Physiological, Morphological, Biochemical and Molecular Basis of Drought Tolerance in Cotton. *International Journal of Biology, Pharmacy and Allied Sciences*. 4 (3): 1091-1112.
19. **Sameera Hassan**, Muhammad Bilal Sarwar, Sajjad Sadique, Bushra Rashid, Beenish Aftab, Bahaeldeen Babiker Mohamed, Tayyab Husnain (2014). Growth, Physiological and Molecular Responses of Cotton (*Gossypium arboreum* L.) under NaCl Stress. *American Journal of Plant Sciences*. 5: 605-614.
20. Muhammad Bilal Sarwar, Fatima Batool, Bushra Rashid, Beenish Aftab, **Sameera Hassan**, Tayyab Husnain. (2014). Integration and Expression of Heat Shock Protein Gene in Segregating Population of Transgenic Cotton for Drought Tolerance. *Pakistan Journal of Agricultural Sciences*. 51(4): 935-941.
21. Adil Jamal, Muhammad Naveed Shahid, Beenish Aftab, Bushra Rashid, M. Bilal Sarwar, Bahaledeen Babiker Mohamed, **Sameera Hassan**, Tayyab Husnain. (2014). Water Stress Mediated Changes in Morphology and Physiology of *Gossypium arboreum* (Var FDH-786). *Journal of Plant Sciences*. 2(5):179-186.
22. Bahaeldeen Babiker Mohammed, Muhammad Bilal Sarwar, Bushra Rashid, A.A. DAHAB, Adil Jamal Muhammad Naveed Shahid , Beenish Aftab, **Sameera Hassan**, Tayyab Husnain. (2013). Physiological and Biochemical responses of Roselle (*Hibiscus sabdariffa* L.) to NaCl stress. *AGROCHIMICA*, 57(3).