

### List of publications (Dr. Basharat Ali)

- 1). **Ali, B.** and Hasnain, S. (2007). Efficacy of bacterial auxin on *in vitro* growth of *Brassica oleracea* L. World J Microbiol Biotechnol, 23(6): 779-784.
- 2). **Ali, B.** and Hasnain, S. (2007). Potential of bacterial indoleacetic acid to induce adventitious shoots in plant tissue culture. Lett Appl Microbiol, 45(2): 128-133.
- 3). Ghaffar, I., **Ali, B.** and Hasnain, S. (2007). Effect of different hormonal combinations on regeneration of callus of *Gomphrena globosa* L. Pak J Biol Sci, 10(20): 3708-3712.
- 4). **Ali, B.** and Hasnain, S. (2007). *In vitro* plant growth induction potential of indoleacetic acid of *Halomonas desiderata* RE1 and *H. Variabilis* HT1. Proceedings of the 12<sup>th</sup> conference of the Egyptian Society of Applied Microbiology. p. 222-230.
- 5). Shafique, H., **Ali, B.** and Hasnain, S. (2008). Bacterial auxin production and its impact on plant growth. Proceedings of 1st symposium on Genomics, Proteomics and metabolomics: Recent trends in Biotechnology, Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, Pakistan. p. 219-228.
- 6). **Ali, B.**, Sabri, A.N., Ljung, K. and Hasnain, S. (2009). Quantification of indole-3-acetic acid from plant associated *Bacillus* spp. and their phytostimulatory effect on *Vigna radiata* (L.). World J Microbiol Biotechnol, 25 (3): 519-526.
- 7). **Ali, B.**, Sabri, A.N., Ljung, K. and Hasnain, S. (2009). Auxin production by plant associated bacteria: impact on endogenous IAA content and growth of *Triticum aestivum* L. Lett Appl Microbiol, 48(5): 542-547.
- 8). **Ali, B.**, Sabri, A.N. and Hasnain, S. (2010). Rhizobacterial potential to alter auxin content and growth of *Vigna radiata* (L.). World J Microbiol Biotechnol, 26: 1379-1384.
- 9). Akhtar, S. and **Ali, B.** (2011). Evaluation of rhizobacteria as non-rhizobial inoculants for mung beans. Aust J Crop Sci, 5(13): 1723-1729.
- 10). Noreen, S., **Ali, B.** and Hasnain, S. (2012). Growth promotion of *Vigna mungo* (L.) by *Pseudomonas* spp. exhibiting auxin production and ACC-deaminase activity. Ann Microbiol, 62: 411-417.
- 11). Abbas, Z., **Ali, B.** and Sabri, A.N. (2012). Antimicrobial activity of biocides against different microorganisms isolated from biodeteriorated paints. Pak J Zool, 44(2): 570-572.
- 12). Sadiq, A. and **Ali, B.** (2013). Growth and yield enhancement of *Triticum aestivum* L. by rhizobacteria isolated from agronomic plants. Aust J Crop Sci, 7(10): 1544-1550.

- 13). Akram, W., Anjum, T., **Ali, B.** and Ahmad, A. (2013). Screening of native *Bacillus* strains to induce systemic resistance in tomato plants against *Fusarium* wilt in split system and its field applications. *Int J Agric Biol*, 15: 1289-1294.
- 14). Yaqoob, A., Farooq, N., Sajid, I. and **Ali, B.** (2013). Auxin production by *Azospirillum*: Role in growth promotion of *Triticum aestivum* L. and *Lens culinaris* Medik. *Glob J Sci Res*, 1(1): 26-32.
- 15). Anwar, S., **Ali, B.**, Qamar, F. and Sajid, I. (2014). Insecticidal activity of actinomycetes isolated from salt range Pakistan against mosquitoes and red flour beetle. *Pak J Zool*, 46(1): 83-92.
- 16). Imtiaz, A. and **Ali, B.** (2014). Auxin production by phyllospheric bacteria and their growth promoting effects on *Cicer arietinum* L. *Glob J Sci Res*, 2(1): 1-6.
- 17). Farooq, N., Raheem, A. and **Ali, B.** (2014). Waterborne *Escherichia coli*: Biosafety and screening as plant growth promoting rhizobacteria. *J Pure Appl Microbiol*, 8(5): 3963-3971.
- 18). Zareen, M., Sajid, I. and **Ali, B.** (2014). Isolation and detection of *Escherichia coli* O157 from potable water system of Lahore, Pakistan. *Pak J Zool*, 46(5): 1239-1247.
- 19). Hassan, A., **Ali, B.** and Sajid I. (2014). Antimicrobial screening and metabolic fingerprinting of soil bacilli against urinary tract infections (UTIs) causing E. coli. *Sci Int (Lahore)*, 26 (4): 1569-1576.
- 20). Jamil, A. and **Ali, B.** (2014). L-tryptophan amendments enhanced auxin production and growth of *Triticum aestivum* L. by rhizobacteria. *Asian J Agric Biol*, 2(4): 250-257.
- 21). **Ali, B.** (2015). Bacterial auxin signaling: Comparative study of growth induction in *Arabidopsis thaliana* and *Triticum aestivum*. *Turk J Bot*, 39(1): 1-9.
- 22). Akram, W., Anjum, T. and **Ali, B.** (2015). Searching ISR determinant/s from *B. subtilis* IAGS174 against *Fusarium* wilt of tomato. *BioControl*, 60(2): 271-280.
- 23). Aslam, F. and **Ali, B.** (2015). Efficacy of charcoal based formulations of *Bacillus* and *Escherichia coli* to enhance the growth and yield of *Triticum aestivum* L. *Res J Biotechnol*, 10(7): 81-88
- 24). Raheem, A. and **Ali, B.** (2015). Halotolerant rhizobacteria: Beneficial plant metabolites and growth enhancement of *Triticum aestivum* L. in salt amended soils. *Arch Agron Soil Sci*, 61: 1691-1705.

- 25). Akram, W., Anjum, T. and **Ali, B.** (2015). Co-cultivation of tomato with two *Bacillus* strains: effects on growth and yield. *J Anim Plant Sci*, 25(6): 1644-1651.
- 26). Akram, W., Anjum, T. and **Ali, B.** (2016). Phenylacetic acid is ISR determinant produced by *Bacillus fortis* IAGS162, which involves extensive re-modulation in metabolomics of tomato to protect against *Fusarium* wilt. *Front Plant Sci*, 7: 498; doi: 10.3389/fpls.2016.00498
- 27). Anwar, S., **Ali, B.** and Sajid, I. (2016). Screening of rhizospheric actinomycetes for various in-vitro and in-vivo plant growth promoting (PGP) traits and for agroactive compounds. *Front Microbiol*, 7: 1334.
- 28). Bano, A. and **Ali, B.** (2016). 16S rRNA gene sequencing and culture dependent analysis of bacterial diversity associated with commercially processed salads. *Res J Biotechnol*, 11(12): 8-16.
- 29). Fatima, S., Anjum, T., Hussain, R. and **Ali, B.** (2017). PGPR mediated bio-fortification of tomato fruit metabolites with nutritional and pharmacological importance. *Pak J Biotechnol*, 14(1): 17-21.
- 30). Farooq, N., Raheem, A. and **Ali, B.** (2017). Microbiological biosafety, multiple drug resistance and functional diversity of bacteria associated with the surfaces of raw vegetables. *Iran J Public Health*, 46(3): 425-427.
- 31). Sajid, M., Raheem, A and **Ali, B.** (2017). Phylogenetic diversity of drought tolerant *Bacillus* spp. and their growth stimulation of *Zea mays* L. under different water regimes. *Res J Biotechnol* 12(10): 38-46.
- 32). Raheem, A., Shaposhnikov, A., Belimov, A.A., Dodd, I.C. and **Ali, B.** (2018). Auxin production by rhizobacteria was associated with improved yield of wheat (*Triticum aestivum* L.) under drought stress. *Arch Agron Soil Sci* 64(4): 574-587
- 33). Ikram, R. and **Ali, B.** (2017). Co-inoculation of auxin producing PGPR and rhizobia enhanced growth of *Vigna mungo* (L.) under cadmium stress. *Asian J Agric Biol* 6(1): 46-54.
- 34). Ishaq, T. and **Ali, B.** (2018). Risk assessment and biofilm formation of bacterial communities associated with drinking water distribution network. *J. Environ. Biol*, 39(5): 693-701.
- 35). Aslam, F. and **Ali, B.** (2018). Halotolerant bacterial diversity associated with *Suaeda fruticosa* (L.) Forssk. improved growth of Maize under salinity stress. *Agronomy-Basel*, 8(8): 131; doi:10.3390/agronomy8080131
- 36). Jafari, M.J., Akram, W., Pang, Y., Ahmad, A., Ahmed, S., Yasin, N.A., Anjum, T., **Ali, B.**, Hu, X., Li, X., Dong, S., Cai, Q., Ciprian, M., Bielec, M., Hu, S., Sefidkon, F. and Hu, Z. (2018).

Genetic diversity and biogeography of *T. officinale* inferred from multi locus sequence typing approach. PloS One, 13(9): e0203275

- 37). **Ali, B.** (2019). Functional and genetic diversity of bacteria associated with the surfaces of agronomic plants. *Plants-Basel*, 8 (4): 91. <https://doi.org/10.3390/plants8040091>
- 38). Akram, W., Li, G., Ahmad, A., Anjum, T., **Ali, B.**, Luo, W., Guo, J., Xie, D. and Wang, Q. (2019). Leaf Spot Disease Caused by *Alternaria arborescens*, *A. tenuissima*, and *A. infectoria* on *Brassica rapa* subsp. *parachinensis* in China. *Plant Disease*, 103(9): 2480. <https://doi.org/10.1094/PDIS-05-19-0951-PDN>
- 39). Akram, W., Li, G., Ahmad, A., Anjum, T., **Ali, B.**, Guo, J., Luo, W., Wu, T., Xie, D. and Wang, Q. (2019). *Alternaria brassicicola* causing leaf spot disease on broccoli in China. *Plant disease*, 103(11): 2960. 103(11): 2960. <https://doi.org/10.1094/PDIS-05-19-1013-PDN>
- 40). Shahbaz, H., **Ali, B.** and Sultan, S. (2019). Growth promoting attributes of chromium (VI) resistant *Bacillus* strains for *Triticum aestivum* L. *J Anim Plant Sci*, 29(5): 1424-1432.
- 41). Bano, A. and **Ali, B.** (2019). Isolation and culture dependent characterization of *Escherichia coli* from sewage waste water of Lahore, Pakistan. *South Asian J Res Microbiol*, 5(1): 1-13.
- 42). Akram, W., Li, G., Ahmad, A., Anjum, T., Ali, B., Guo, J., Luo, W., Wu, T., Xie, D. and Mei, F. (2020). *Pseudocercospora exilis* causing leaf spot disease on *Brassica rapa* subsp. *parachinensis* in china. *Plant Disease*; 104(6): 186;1 <https://doi.org/10.1094/PDIS-01-20-0165-PDN>
- 43). Li, G., Guo, J., Luo, W., Anjum, T., Akram, W., Ahmad, A., **Ali, B.**, Adnan, M. and Fu, M. (2020). Development of high-density genetic map by specific-locus amplified fragment (SLAF) sequencing and identification of QTLs governing flowering and bolting time in Chinese kale. *Int J Agric Biol*, 24(3): 511-516; DOI: 10.17957/IJAB/15.1466.
- 44). Shah, A.A., Aslam, S., Akbar, M., Ahmad, A., Khan, W.U., Yasin, N.A., **Ali, B.**, Rizwan, M. and Ali, S. (2021). Combined effect of *Bacillus fortis* IAGS 223 and zinc oxide nanoparticles to alleviate cadmium phytotoxicity in *Cucumis melo*. *Plant Physiology and Biochemistry*, 158: 1-12.
- 45). Akram, W., Ahmad, A., Fatima, S., Anjum, Tehmina, **Ali, B** et al. (2021). Foliar application of liquiritin protects Chinese flowering cabbage against cucumber mosaic virus and increases health-promoting compounds. *Journal of Plant Interactions*, 16(1): 377-384.
- 46). Akram, W., Ahmad, A., Yasin, N.A., Anjum, T., **Ali, B** et al. (2021). Mechanical strengthening and metabolic re-modulations are involved in protection against *Fusarium* wilt of tomato by *B. subtilis* IAGS174. *Journal of Plant Interactions*, 16(1): 411-421.

- 47).** Akram, W., Fatima, S., Anjum, T., **Ali, B.** and Li, G. (2022). Foliar application of leaf extracts of *Glycyrrhiza uralensis* increases growth and nutritional value of Chinese flowering cabbage plants under field conditions. *Journal of Food Quality*, 2022: ID 5539423.
- 48).** Tanveer, S. and **Ali, B.** (2022). Evaluation of *Bacillus* and *Rhizobium* strains to enhance the growth of *Vigna radiata* (L.) under drought stress. *Pak-Euro Journal of Medical and Life Sciences*, 5(1): 101-112.
- 49).** Raheem, A. and **Ali, B.** (2022). The Microphenotron: A novel method for screening plant-growth promoting rhizobacteria. *PeerJ-Life and Environment*, 10: e13438.
- 50).** Bano, I., Tanveer, S. and **Ali, B.** (2022). Plant growth promoting potential of rhizobacteria isolated from *Cannabis sativa* L. *Pak-Euro Journal of Medical and Life Sciences*, 5(2): 291-300.