

# Dr. Sajid Ali

## PUBLICATIONS

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**Impact factor: 72.29**

Total publications: **48 (25 in Impact factor journals)**  
Current H index: **19**

Total citations: **1300**  
Current i10: **32**

Where \* is added with my name, it shows I am the Senior/Corresponding author on that article.

### International Publications in JCR/ISI (Impact Factor)

1. Civián, P. **Ali, S.**, Batista-Navarro, R., Drosou, K., Ihejieta, C., Chakraborty, D., Ray, A., Gladieux, G., Brown, T.A. 2019. Origin of the aromatic group of cultivated rice (*Oryza sativa* L.) traced to the Indian subcontinent. **Genome Biology and Evolution**. 11; 832-843. **IF: 4.229**
2. **Ali, S.**, Sharma, S., Leconte, M., Shah, S. J. A., Duveiller, E., and de Vallvieuille-Pope, C. 2018. Low pathotype diversity in a recombinant *Puccinia striiformis* population through convergent selection at the Eastern part of Himalayan centre of diversity (Nepal). **Plant Pathology**. 67: 810-820. **IF: 2.43**
3. Brar, GS, **S Ali**, D Qutob, S Ambrose, K Lou, R Maclachlan, CJ Pozniak, Y-B Fu, AG Sharpe and H R Kutcher. 2018. Genome re-sequencing and simple sequence repeat markers reveal the existence of divergent lineages in the Canadian *Puccinia striiformis* f. sp. tritici population with extensive DNA methylation. **Environmental Microbiology**. 20, 1498-1515. **IF: 5.395**
4. Bueno-Sancho, V, Persoons, A, Hubbard, A, Cabrera-Quio, LE, Lewis1, CM, Corredor-Moreno1, P, Bunting, DCE, **Ali, S**, Chang, S, Hodson, DP, Burrows, M, Bryson, R, Thomas, J, Holdgate, S, Saunders, DGO. 2018. Pathogenomic analysis of wheat yellow rust lineages detects seasonal variation and host specificity. **Genome Biology and Evolution**. 9: 3282-3296. **IF: 4.229**
5. Hussain, I. Khan, S.A., **Ali, S.**, Farid, A., Ali, N., Masaud, S., Hussain, I., Azeem, K., Raza, H. 2018. Genetic diversity among tomato accessions based on agro-morphological traits. **Sains Malaysiana** 47: 2637–2645. **0.47**
6. **Ali, S**, Rodriguez-Algaba, J, Thach, T, Sørensen, C, Hansen, JG, Lassen, P, Hodson, D, Nazari, K, Justesen AF, Hovmøller MS. 2017. Yellow rust epidemics worldwide were caused by pathogen races from divergent genetic lineages. **Frontiers in Plant Science**. 8: 1058. **IF: 4.30**
7. Walker A-S, Rieux A, Ravigne V, **Ali S**, Carpentier F, Fournier E. 2017. Fungal adaptation to contemporary fungicide applications: the case of *Botrytis cinerea* populations from Champagne vineyards (France). **Molecular Ecology**. 26: 1919-1935. **IF: 6.09**
8. **Ali, S**, Soubeyrand S, Gladieux P, Giraud T, Leconte M, Gautier A, Mboup M, de Vallavieille-Pope C, Enjalbert J. 2016. CloNcaSe: Estimation of sex frequency and effective population size by clonemate re-sampling in partially clonal organisms. **Molecular Ecology Resources**. 16: 845-861. **IF: 7.33**
9. Walter S, **Ali S**, Kemen E, Nazari, K, Bahri, B, Enjalbert, J, Brown, J K, Sicheritz-Pontén, T, Jones, J, de Vallvieuille-Pope, C, Hovmøller, M S, Justesen, A F. 2016. Molecular markers for tracking the origin and worldwide distribution of invasive strains of *Puccinia striiformis*. **Ecology and Evolution**. 6: 790-2804. **IF: 2.44**
10. Thach T, **Ali S**, de Vallavieille-Pope C, Justesen AF, Hovmøller MS. 2016. Worldwide population structure of the wheat rust fungus *Puccinia striiformis* in the past. **Fungal Genetics and Biology**. 87: 1-8. **IF: 3.07**
11. Hovmøller MS, Walter S, Bayles R, Hubbard A, Flath K, Sommerfeldt N, Leconte M, Rodriguez-Algaba J, Hansen JG, Lassen P, Justesen AF, **Ali S**, de Vallavieille-Pope C. 2016. Replacement of the European wheat yellow rust population by new races from the centre of diversity in the near-Himalayan region. **Plant Pathology**. 65: 402-411. **IF: 2.43**
12. Facho Z, Farhatullah, Khalil Ih, Khan N and **Ali S.**, 2016. Morphological characterization and estimation of genotype × environment interaction of indigenous buckwheat germplasm collected from Gilgit Baltistan Pakistan. **Pakistan Journal of Botany**. 48, 2391-2398. **IF: 0.66**
13. Thach, T. **S. Ali**, A.F. Justesen, J. Rodriguez-Algaba1 and M.S. Hovmølle. 2015. Recovery and virulence phenotyping of the historic ‘Stubbs collection’ of the yellow rust fungus *Puccinia striiformis* from wheat. **Annals of Applied Biology**. 167: 314-326. **IF: 2.05**
14. Naveed, N. M.A. Khan, M.S. Baloch, M. Arif, S.A. Naqvi, J. Khan and **S. Ali**. 2015. Early planting date can compensate the reduction in wheat yield due to fodder cutting in dual purpose wheat. **Pakistan Journal of Agricultural Sciences**. 52, 469-477. **IF: 1.05**

15. **Ali S**, Gladieux P, Leconte M, Gautier A, Justesen AF, Hovmoller MS, Enjalbert J, De Vallavieille-Pope C. 2014. Origin, migration routes and genetic structure of worldwide populations of the wheat yellow rust pathogen, *Puccinia striiformis* f.sp. *tritici*. **PLOS Pathogens**. 10: e1003903. DOI: 10.1371/journal.ppat.1003903. **IF: 6.61**
16. **Ali S**, Gladieux P, Rahman H, Saqib MS, Fiaz M, Ahmed H, Leconte M, Gautier A, Justesen AF, Hovmøller MS, Enjalbert J, de Vallavieille-Pope C. 2014. Inferring the contribution of sexual reproduction, migration and off-season survival to the temporal maintenance of microbial populations: a case study on the wheat fungal pathogen *Puccinia striiformis* f.sp. *tritici*. **Molecular Ecology**. 23: 603–617. **IF: 6.09**
17. **Ali, S.,** M. Leconte, H. Rahman, M.S. Saqib, P. Gladieux J. Enjalbert and C de Vallavieille-Pope. 2014. A high virulence and pathotype diversity of *Puccinia striiformis* f.sp. *tritici* at its centre of diversity, the Himalayan region of Pakistan. **European Journal of Plant Pathology**. 140: 275-290. **IF: 1.494**
18. Fayyaz L, Farhatullah, Shah S, Iqbal S, Kanwal M and **Ali S**, 2014. Genetic variability studies in brassica F2 populations developed through inter and intra-specific hybridization. **Pakistan Journal of Botany**, 46, 265-269. **IF: 0.66**
19. de Vallavieille-Pope, C., **Ali, S.**, Leconte, M., Enjalbert, J., Delos, M., Rouzet, J., 2012. Virulence dynamics and regional structuring of *Puccinia striiformis* f. sp. *tritici* in France between 1984 and 2009. **Plant Disease** 96, 131-140. **IF: 3.17**
20. **Ali, S.,** M. Leconte, A.-S. Walker, J. Enjalbert, and C. De Vallavieille-Pope. 2010. Reduction in the sex ability of worldwide clonal populations of *Puccinia striiformis* f.sp. *tritici*. **Fungal Genetics and Biology**. 47: 828-838. **IF: 3.07**
21. Rahman H, Durreshahwar, **Ali S.**, Iftikhar F, Khalil IH, and Shah SMA. 2010. Stability analysis of maize hybrids across North West Pakistan. **Pakistan Journal of Botany**. 42, 1089-1093. **IF: 0.66**
22. **Ali, S.,** S.J.A. Shah and H. Rahman. 2009. Multi-Locations Variability for Partial Resistance in Wheat to *Puccinia striiformis* West. *tritici*. **Phytopathologia Mediterranea**. 48: 269-279. **IF: 1.26**
23. **Ali, S.,** S.J.A. Shah, H. Rahman. M.S. Saqib, M. Ibrahim and M. Sajjad. 2009. Variability in Wheat Yield Under Yellow Rust Pressure in Pakistan. **Turkish Journal Agriculture and Forestry**. 33: 537-546. **IF: 1.311**
24. **Ali, S.,** S.J.A. Shah, I.H. Khalil, H. Raman, K. Maqbool and W. Ullah. 2009. Partial resistance to yellow rust in introduced winter wheat germplasm at the north of Pakistan. **Australian Journal of Crop Science**. 3: 37-43. **IF: 1.63**
25. **Ali, S.,** A. R. Khan, G. Mairaj, M. Arif, M. Fida and S. Bibi. 2008. Assessment of different crop nutrients management practices for improvement of crop yield. **Australian Journal of Crop Science**. 2(3):150-157. **IF: 1.63**

#### National/International Journals recognized by HEC, Pakistan

26. Hussain M, Awais M, Farhatullah, Bibi S, Khan MR, Khalid A, **Ali S\***. 2019. Field based variability in oat crown rust (*Puccinia coronata* f. sp. *avenae*) resistance in exotic oat germplasm. **Sarhad Journal of Agriculture**. 35, 459-466.
27. Khan MR, Imtiaz M, Farhatullah, Ahmed, S, **Ali S\***. 2019. Northern Himalayan region of Pakistan with cold and wet climate favors a high prevalence of wheat powdery mildew. **Sarhad Journal of Agriculture** 35, 187-193.
28. **Ali, S.,** Shah, A., Arif, M., Mairaj, G., Ali, I., Sajjad, M., Farhatullah, Khan, M.Y., Khan, N.M., 2009. Enhancement of wheat grain yield and yield components through foliar application of zinc and boron. **Sarhad Journal of Agriculture** 25, 15-19.
29. Gul, R., Khan, H., Mairaj, G., **Ali, S.**, Farhatullah, Ikramullah, 2008. Correlation study on morphological and yield parameters of mungbean (*Vigna radiata*). **Sarhad Journal of Agriculture** 24, 37-42.
30. Rahman, H., **Ali, S.,** Shah, S.M.A., Shah, S.S., Rahman, N., Khalil, I.A., Hussain, I., Afzal, F., 2008. Diversity for morphological and maturity traits in maize populations from upper Dir. **Sarhad Journal of Agriculture** 24, 439-433.
31. **Ali, S,** S.J.A. Shah and M. Ibrahim. 2007. Assessment of wheat breeding lines for slow yellow rusting (*Puccinia striiformis* west. *tritici*). **Pakistan Journal of Biological Science** 10, 3440-3444.
32. **Ali, S.,** S. Shah, H. Rahman, I. A. Khalil, I.H. Khalil. 2007. Evaluation of outcross progenies of maize for grain yield traits. **Sarhad Journal Agriculture**. 23 (3): 629-632.
33. Jan, T., Jan, M.T., Arif, M., Akbar, H., **Ali, S.,** 2007. Response of wheat to source, type and time of nitrogen application. **Sarhad Journal of Agriculture** 23, 871-879.
34. Khan, A., Arif, M., Shah, A., **Ali, S.,** Hussain, Z., Khan, S., 2007. Evaluation of planting methods for grain yield and yield components of wheat. **Sarhad Journal of Agriculture** 23, 561-563.
35. Khan, A.R., Alam, S., **Ali, S.,** Bibi, S., Khalil, I.A., 2007. Dietary fiber profile of food legumes. **Sarhad Journal of Agriculture** 23, 763-766.
36. Shah, S.J.A., T. Mohammad, S. Hussain, M. Ibrahim, W. Khan and **S. Ali**. 2007. Resistance against African Stem Rust (*Puccinia graminis tritici*) Race Ug99 in advanced wheat lines and varieties developed by public breeding programs in NWFP, Pakistan. **Pakistan Journal of Scientific and Industrial Research**. 50, 210-212.
37. Arif, M., **Ali, S.,** Khan, A., Jan, T., Akbar, H., 2006. Influence of farm yard manure application on various wheat cultivars. **Sarhad Journal of Agriculture** 27-29.

38. Arif M, Khan MA, Akbar H, Sajjad M, **S. Ali**. 2006. Prospects of wheat as a dual-purpose crop and its impact on weeds. **Pakistan Journal of Weed Science Research**. 12, 13-18.
39. Arif, M., **Ali, S.**, Shah, A., Javed, N., Rashid, A., 2005. Seed priming maize for improving emergence and seedling growth. **Sarhad Journal of Agriculture** 21, 17-20.

#### Other National/International Journals

40. **Ali, S.**, A. Gautier, M. Leconte, J. Enjalbert, and C. De Vallavieille-Pope. 2011. A rapid genotyping method for an obligate fungal pathogen, *Puccinia striiformis* f.sp. *tritici*, based on DNA extraction from infected leaf and Multiplex PCR genotyping. **BMC Research Notes**. 4: 240.
41. **Ali, S.** H. Rahman, S.J.A. Shah, S.M.A. Shah, Farhatullah. 2009. Assessment of field resistance using host-pathogen interaction phenotype for wheat yellow rust. **African Crop Science Journal**. 17: 213-221.
42. **Ali, S.**, SJA Shah, K Maqbool. 2008. Field-Based Assessment of Partial Resistance to Yellow Rust in Wheat Germplasm. **Journal of Agriculture & Rural Development** 6 (1), 99-106.
43. Saqib, M.S. S.J.A. Shah, F. Muhammad, W. Khan, M. Ibrahim and **S. Ali**. 2008. Genotypic variability for *alternaria alternata* (fr.) keissler infection in bread wheat. **Plant Pathology Journal**. 7, 34-39.
44. Mairaj, G., Akhtar, M.A., Khan, A.R., Ullah, Z., Bibi, S., **Ali, S.**, 2008. Quality evaluation of different honey samples produced in Peshawar valley. **Pakistan Journal of Biological Sciences** 11, 797-800.
45. Turi, N.A., Shah, S.S., **Ali, S.**, Rahman, H., Ali, T., Sajjad, M., 2007. Genetic variability for yield parameters in maize (*Zea mays* L.) genotypes. **Journal of Agricultural and Biological Science** 2, 1-3.
46. Khan, D., Khan, A.R., Bibi, S., **Ali, S.**, Khalil, I.A., 2007. Storage stability of persimmon fruits (*Diospyros Kaki*) stored in different packaging materials. **Journal of Agricultural and Biological Science** 2, 20-23.
47. Arif, M., Chohan, M.A., **Ali, S.**, Gul, R., Sajjad, K., 2006. Response of wheat to foliar application of nutrients. **Journal of Agricultural and Biological Science** 1, 30-34.
48. **Ali, S.**, Arif, M., Gul, R., Ali, I., 2006. Improving seed emergence and early growth through water soaking. **Scientific Khyber** 19, 173-177.

#### Book Chapters Published

1. **Ali, S.**, M.R. Khan, A. Gautier, Z.A. Swati, and S. Walter. 2017. Microsatellite genotyping of the wheat yellow rust pathogen *Puccinia striiformis*. In S. Periyannan. 2017. *Wheat Rust Diseases: Methods in Molecular Biology*. Elsevier Ltd. 1659: 59-70.
2. **Ali, S.** and D. Hodson. 2017. Wheat rust surveillance; field disease scoring and sample collection for phenotyping and molecular genotyping. In S. Periyannan. 2017. *Wheat Rust Diseases: Methods in Molecular Biology*. Elsevier Ltd. 1659: 3-11.
3. **Book Edited** and authored two chapters: "**Biotechnology Foresight: Technology Foresight Exercise**" - Ed. Swati, Z.A. and **Ali, S.** - Published by Pakistan Council for Science and Technology.