

Dr. Muhammad Ashfaq

E-mail:- ashfaq_qs@yahoo.com

Email:- ashfaq.iags@pu.edu.pk



Current Address: Dr.Muhammad Ashfaq.
Assistant Professor (PBG)
HEC Approved Supervisor
Institute of Agricultural Sciences
University of the Punjab, New Campus, Lahore
Ph: 0321-6462690

Permanent Address: Post office Ghakkhar Mandi, Village Qila Sangian
Tehsil Wazirabad District Gujranwala.

Ph: 0321-6462690

Paper published in the year 2017

Ashfaq, M., Anjum, M.A., Hafeez, R., Ali, A., Haider, M. Ali, M. B. Chattha, S. R. Ahmad, F. Ahmad, F.Khan and M. Sajjad. (2017). First Report of *Fusarium equiseti* Causing Brown Leaf Spot of Fishtail Palm (*Caryota mitis*) in Pakistan. Plant Disease Vol 101 (5): 840-840. (IF:3.19)

Ashfaq, M., Haider, M.S., Ali, A., Ali, M., Mubashar, H., Sajjad, M. and Mubashar, U. (2017) DIVERSITY AND CORRELATION ANALYSIS IN BASMATI RICE GERMPLASM. Bangladesh J. Bot. 46(2): 565-574. (IF:0.331)

Ashfaq, M., Mubashar, U., Haider, M.S., Ali, M., Ali, M. and Sajjad, M. (2017) GRAIN DISCOLORATION: AN EMERGING THREAT TO RICE CROP IN PAKISTAN. The Journal of Animal & Plant Sciences, 27(3): 696-707. (IF:0.381)

Ashfaq, M., Haider, M.S., Ali, M., Shaheen, S., Khan, F., Ali, M. and Urooj Mubashar, U. (2017) MOLECULAR DIVERSITY AND HETEROISIS ANALYSIS FOR RICE GRAIN DISCOLORATION. Pak. J. Agri. Sci., Vol. 54(2)879-887.. (IF:0.659)

Ashfaq, M., Rashid, A., Haider, M.S., Ali, A., Shahzad, M., Ali, M., Khan, F., Farooq, H.U. and Mubashar, U. (2017). GENETIC VARIABILITY AND ASSOCIATION STUDY OF SOME QUANTITATIVE TRAITS IN CHICKPEA (*CICER ARIETINUM* L.). INT. J. BIOL. BIOTECH., 14 (2): 279-282. (HEC Recognized Y category)

Ali, M., Khan, H.A.A., Tahir, H.M., Tariq, A., Ashfaq, M., Ali, S.W. Gulzar, A., Aslam, H.M.U., Yousaf, U.K.S. and Mubashar, U. (2017). LARVICIDAL POTENTIAL OF DIFFERENT PLANTS EXTRACTS AGAINST THE LARVAE OF MOSQUITO (*Aedes aegypti*(L.)) (CULICIDAE: DIPTERA). Pak. Entomol., 39(1):37-40. (HEC Recognized Y category)

Ashfaq, M., Asghar, Q.A., Hafeez, R., Ali, A., Haider, M.S., Ali, M., Chatha, M.B., Rasheed, A. and Sajjad, M. (2017). Microbial Diversity Associated With Rice Seeds. BIOLOGIA (PAKISTAN). 63 (2) 161-168.

Paper published in the year 2016

- Majeed, R.A., Shahid, A.A. **Ashfaq**, M., Saleem, M.Z. and Haider, M.S. (2016). First Report of *Curvularia lunata* Causing Brown Leaf Spots of Rice in Punjab, Pakistan. Plant Disease Vol 100 (1): 219-219. (IF:3.02)
- Hanif, S., Hafeez, R., Akram, W., **Ashfaq**, M. and Ali, A. (2016) First Report of Sclerotinia Fruit Rot of *Citrus paradisi* Caused by *Sclerotinia sclerotiorum* in Pakistan. Plant Disease Vol 100 (4): 863-863. (IF: 3.02)
- Ashfaq**, M., Haider, M.S., Ali, A., Ali, M., Saleem, I. and Mubashar, U. (2016) MORPHOLOGICAL CHARACTERIZATION OF ENDOPHYTIC BACTERIAL STRAINS ISOLATED FROM DISCOLORED RICE GRAIN. Pak. J. Phytopathol., Vol. 28 (01) 2016. 01-08. (HEC recognized Y category)
- Ali, A., **Ashfaq**, M., Haider, M.S., Hafeez, R. and Ali, M. (2016). EVALUATION OF PHYLLOSOPHERIC BACTERIAL COMMUNITY IN SOME MEDICINAL PLANTS AND THEIR ANTIMICROBIAL ACTIVITY. INT. J. BIOL. BIOTECH., 13 (3): 407-415. (HEC recognized Y category)
- Muhammad Ashfaq** , Rabia Mubarak , Muhammad Yousaf Saleem , Amna Ali , Muhammad Ali and Muhammad Saleem Haider (2016) QUANTITATIVE DISEASE STUDY OF EARLY BLIGHT OF TOMATO UNDER NATURAL FIELD CONDITIONS. Int. J. Agric. Appl. Sci. Vol. 8, No.1: 31-34. (HEC recognized Z category)
- Muhammad Ali,^{1,*} **Muhammad Ashfaq**,¹ Abdul Ghaffar,² Azhar uddin Bahtti,^{Amna Ali}¹ and Urooj Mubashar³ Role of Physio-Morphic Characters of Different Genotypes of Eggplant, *Solanum melongena* L. and its Association with the Fluctuation of Jassid, *Amrasca biguttula biguttula* (Ishida) Population. Pakistan J. Zool. 48(5): 1511-1515.
- Muhammad Ali*¹, **Muhammad Ashfaq**¹, Mazhar Hussain Ranjha², Asim Gulzar³, Shahbaz Ahmad¹ and Amna Ali¹ THE HOST PLANT SUSCEPTIBILITY INDICES AND VARIETAL PREFERENCE OF JASSID (*AMRASCA BIGUTULLA BIGUTULLA* ISHIDA) ON EGGPLANT (*SOLANUM MELONGENA* L.) IN PUNJAB PAKISTAN. Pak. Entomol., 38(1): 15-18.

Paper published in the year 2015

- Ashfaq M**, Saleem I (2015) Rice – A Great Grain. J Rice Res 3(3): 1-2. doi: [10.4172/2375-4338.1000e119](https://doi.org/10.4172/2375-4338.1000e119). (Editorial)
- Muhammad Ashfaq**^{*1}, Muhammad Shakil Shaukat¹, Muhammad Akhter² Muhammad Saleem Haider¹, Urooj Mubashar⁴ and Syed Bilal Hussain³ (2015). COMPARISON OF FUNGAL DIVERSITY OF LOCAL AND EXOTIC RICE (*ORYZA SATIVA* L.) GERMPLASM FOR THEIR SEED HEALTH. The journal of animal and plant sciences. Vol25 (5) : 1349-1357.
- Ashfaq M**, Haider MS, Saleem I, Ali M, Ali A, Chohan SA (2015) Basmati–Rice a Class Apart (A review). J Rice Res. 3(4): 1-8. doi:[10.4172/2375-4338.S1-002](https://doi.org/10.4172/2375-4338.S1-002).
- MUHAMMAD ASHFAQ1**, HAFIZ UMAR FAROOQ1, MUHAMMAD SABAR2, *AMNA ALI1 & MUHAMMAD ALI (2015).Molecular Screening of Aroma Genes in Indigenous and Exotic Rice Germplasm. Biologia (Pakistan) 61 (2): 313-317.

Paper published in the year 2014

- Muhammad Ashfaq**, Muhammad Saleem Haider, Amna Ali, Muhammad Ali, Sana Hanif and Urooj Mubashar, 2014. Screening of Diverse Germplasm for Genetic Studies of Drought Tolerance in Rice (*Oryza sativa* L). *Caryologia*, 67 (4): 296-304.
- Amna Ali, Muhammad Saleem Haider and **Muhammad Ashfaq**, 2014. Bacterial diversity in some selected agricultural food products. *Bangladesh J. Bot.* Vol, 43(2): 219-222.
- Muhammad Ashfaq**, Amna Ali, Muhammad Saleem Haider, Muhammad Ali, Muhammad Abdullah and Urooj Mubashar. 2014. A Role of Weed Solvents on Seed Priming of Diverse Rice Germplasm Lines. *JOURNAL OF PURE AND APPLIED MICROBIOLOGY*, Vol 8 No 3:2175-2184.
- Muhammad Ashfaq**, Muhammad Saleem Haider, Abdus Salam Khan, Muhammad Ali, Amna Ali and Urooj Mubashar. 2014. Breeding for micronutrient improvements in rice (*Oryza sativa* L.) for better human health. *Journal of Food, Agriculture & Environment Vol.12 (2): 365 - 369*.
- Muhammad Ashfaq**, Amna Ali, Muhammad Saleem Haider, Muhammad Ali, Asad Ullah, Urooj Mubashar, Husnain Mubashar, Iqra Saleem and Muhammad Sajjad. 2014. Allelopathic Association Between Weeds Extract and Rice (*Oryza sativa* L.) Seedlings. *Journal of Pure and Applied Microbiology*. Vol. 8(Spl. Edn. 2): 573-580.
- Muhammad Ashfaq**, Abdul Rasheed, Muhammad Rizwan, Muhammad Noor, Urooj Mubashar, Husnain Mubashar, Muhammad Ali, Amna Ali, Iqra Saleem and Muhammad Sajjad. 2014. Genetic Studies of Various Morphological Traits in Upland Cotton (*Gossypium hirsutum* L.). *Journal of Pure and Applied Microbiology*. Vol. 8(Spl. Edn. 2): 623-628.
- Amna Ali, Muhammad S. Haider, **Muhammad Ashfaq**. 2014. EFFECT OF CULTURE FILTRATES OF *TRICHODERMA* SPP. ON SEED GERMINATION AND SEEDLING GROWTH IN CHICKPEA – AN *IN-VITRO* STUDY. *Pak. J. Phytopathol.*, Vol. 26 (01): 1-5.
- MUHAMMAD ASHFAQ**, AMNA ALI, ANUM NAWAZ, UZMA BASHIR, MUHAMMAD SALEEM HAIDER & MUHAMMAD ALI. 2014. Isolation and Characterization of *Pseudomonas* species associated with Tomato wilt. *BIOLOGIA*, 60 (2): 229-234.
- Muhammad Ali1, Muhammad Ashfaq, Naureen Rana, Muhammad Saleem Haider , **Muhammad Ashfaq** and Muhammad Amjad. 2014. THE SUSCEPTIBILITY STUDY OF SOME AUBERGINE (*Solanum melongena* L.) CULTIVARS AGAINST JASSID (*Amrasca biguttula biguttula* (ISHIDA)). *Pak. J. Agri. Sci.*, Vol. 51(3), 679-683.

Paper published in the year 2013

- Amna Ali, Muhammad Saleem Haider and **Muhammad Ashfaq**, (2013). Biological Control of Fruit Lesions Caused by *Xanthomonas campestris* Pathovars from *Cuscuta pedicellata* Ledeb. *In vitro*. *JOURNAL OF PURE AND APPLIED MICROBIOLOGY*, Vol. 7(4), p. 3149-3153.
- Muhammad Ashfaq**, Amna Ali, Sana Siddique, Muhammad Saleem Haider, Muhammad Ali and Syed Bilal Hussain. (2013) *In-vitro* Antibacterial Activity of

Parthenium hysterophorus against Isolated Bacterial Species from Discolored Rice Grains. International Journal of Agriculture and Biology. 2013. Int. J. Agric. Biol., 15 (6): 1119-1125.

Muhammad Ashfaq, Muhammad Saleem Haider, Abdus Salam Khan and Sami Ul Allah. (2013) Heterosis studies for various morphological traits of basmati rice germplasm to develop new rice varieties under water stress conditions. The Journal of Animal and Plant Sciences, **23(4): 1131-1139**.

Ibatsam Khokhar, Muhammad Saleem Haider, Irum Mukhtar, Amna Ali, Sobia Mushtaq, **Muhammad Ashfaq**, 2013. Effect of *Penicillium* species culture filtrate on seedling growth of wheat. International Research Journal of Agricultural Science and Soil Science (ISSN: 2251-0044) Vol. 3(1) pp. 24-29, January 2013.

Amna Ali, Muhammad Saleem Haider, Sana Hanif, Nosheen Akhtar and **Muhammad Ashfaq**. 2013. Bio-control of bacterial species isolated from diseased citrus fruits by methanolic extracts of weeds *in vitro*. European Journal of Experimental Biology, 2013, 3(1):1-9.

Muhammad Ashfaq, Muhammad Saleem Haider and Abdus Salam Khan. Genetic Potential of the Basmati Rice Germplasm for Development of Drought Tolerant Varieties" (2013) Proceeding Vol:ISBN 978-953-7871-08-6 pp:233-237.

Ali M., Ashfaq M., Haider M.S., **Ashfaq M.**, Anjum F. 2013. Bio-chemical characters of eggplant (*Solanum melongena* L.) leaves and their correlation with the fluctuations of jassid (*Amrasca biguttula biguttula* (ishida)) populations. XV EUCARPIA Meeting on Genetics and Breeding of Capsicum and Eggplant. Torino, Italy 2 – 4 September, 2013. Paper published in conference proceeding.

Paper published in the year 2012

Ashfaq, M. and A.S., Khan (2012) Genetic diversity in basmati rice (*Oryza sativa*L.) germplasm as revealed by microsatellite (SSR) markers. *Russian Journal of Genetics*, 2012, Vol. 48, No. 1, pp. 53–62.

Muhammad Ashfaq, Muhammad Saleem Haider, Abdus Salam Khan and Sami Ul Allah (2012). Breeding potential of the basmati rice germplasm under water stress condition African Journal of Biotechnology Vol. 11(25), pp. 6647-6657.

Muhammad Ashfaq, Abdus Salam Khan, and Muhammad Saleem Haider, 2012. *Genetic Variation of Rice Genotypes on the Basis of Root Seedling Trait by using Single SSR Marker under Water Stress Condition. EJSR (87) 2: 267-277.*

Muhammad Sajjad, Sultan Habibullah Khan, **Muhammad Ashfaq** and Wajid Nasim, 2012. Association of seed morphology with seedling vigor in wheat (*Triticum aestivum* L), Research in Plant Biology, 2(5): 07-12.

M. Ashfaq, A.S. Khan, S.H.U. Khan and R. Ahmad, 2012. Association of various morphological traits with yield and genetic divergence in rice (*Oryza Sativa* L.). Int. J. Agric. Biol., 14: 55–62

Saima Gulnaz, Sultan Habibullah Khan, Munawar Shahzad, **Muhammad Ashfaq** And Muhammad Sajjad (2012) Genetic Evaluation of Spring Wheat (*Triticum aestivum*) Germplasm for Yield and Seedling Vigor Traits. *J. Agric. Soc. Sci.*, 8: 123– 128.

Paper published in the year 2009

- Salam A, M, Imran and **M, Ashfaq** (2009) Estimation of Genetic Variability and Correlation for Grain Yield Components in Rice (*Oryza sativa* L.). American-Eurasian J. Agric. Environ. Sci. 6(5): 585-590.
- Aslam M, **M, Ashfaq**, T, Saeed, S, Allah and Yousaf Zafar (2009). In-vitro Morphogenic Response of Cotton (*Gossypium hirsutum* L). From Apical Meristem Culture. American Eurasian J. Agric. Environ. Sci. 7(1): 7-11.
- Aslam M, **M, Ashfaq**, Tahir Saeed, Sami Ul Allah and Muhammad Sajjad (2009) Development and Evaluation of a New High Yielding and Better Fibre Quality Mutant NIAB-824 of Cotton Through Pollen Irradiation: Am.-Eurasian J. Sustain. Agric. 3(4): 715-720.
- Aslam M, **M. Ashfaq**, Y. Zafar, Sami ul Allah and Muhammad Sajjad;2009. Induction of qualitative marker traits(s), via DNA macroinjections in cotton and its characterization with RAPD markers. American Eurasian J. Sustain. Agric. 3(4): 797-803.

Paper published in the year 2003

- Salam A, **M, Ashfaq** and M A, Asad (2003). A Correlation and Path Coefficient analysis for some yield components in Bread wheat. Asian Journal of Plant Science 2 (8): 582-584.
- Ashfaq M**, A, Salam and A, Zulfiqar (2003). Association of Morphological traits with grain yield in wheat (*Triticum aestivum* L.). Int. J. Agri. Biol. 5(3): 262-264.

Books Published

- 1) **Ashfaq, M.**, Khan A. S. and Haider M. S. (2012) Genetics of rice under normal and water stress conditions. LAP Lambert Academic Publishing ISBN 978-3-8473-2955-8, paperback, 184 Pages
- 2) Urooj M., **Ashfaq, M** and Haider M. S. (2012) Production, kinetic and thermodynamic characterization of amylases from *Aspergillus niger*. ISBN 978-3-848-411530-4 (Lap Lambert Academic Publishing Company (Germany)).
- 3) Urooj M., **Ashfaq, M** and Sandu, S.I. (2012) An investigation of the impacts of individual differences on learning LAP Lambert Academic Publishing ISBN 978-3-659-11383-3.
- 4) Urooj M., **Ashfaq, M** and Uppal, M.I. (2012) Exploring the behavioral problems of the disabled students. LAP Lambert Academic Publishing ISBN 978-3-659-13662-7
- 5) Urooj M, **Ashfaq M**, and Saleem H, (2014). Comparison of Pedagogical Techniques Used in Public and Private Schools. LAP Lambert Academic Publishing ISBN 978-3-659-61166-7. Germany.
- 6) Urooj M, **Ashfaq M**, and Saleem H, (2014). Causes of Student Failure in Mathematics at Secondary Level. LAP Lambert Academic Publishing ISBN 978-3-659-63899-2. Germany.
- 7) Miracles of Action Research. LAP Lambert Academic Publishing ISBN 978-3-659-66363-5, Germany.

Paper presented in International conferences:

Qasim, Karim- presenter karim.qasim@mail.mcgill.ca Tan, Han- Qi Singh, Surinder **Muhammad, Ashfaq** Singh, Manjit Singh, Jaswinder. **P09058 In- Vitro Activation of Ds Transposons in Barley**. Poster Abstract published in American Society of Plant Biologist (ASPB) 2010.

Muhammad Ashfaq, Muhammad Saleem Haider and Abdus Salam Khan. Breeding potential of basmati rice germplasm for development of new rice varieties" (2013) Plant Genetics and Breeding Technologies Vol:ISBN pp:230-230.

Paper submitted in different International/National journals:

Muhammad Ashfaq, Muhammad Saleem Haider, Abdus Salam Khan and Urooj Mubashar, 2015. Genetic variability analysis of diverse rice germplasm lines by using various genotypic and phenotypic traits under stress condition (To be submitted to Bangladesh journal of botany).

Amna Ali, **Muhammad Ashfaq**, Muhammad Saleem Haider and Muhammad Ali, 2015. Genetic variability and association study of some quantitative traits in chickpea (*cicer arietinum* l.) (To be submitted to Pakistan journal of phytopathology).

Muhammad Ashfaq, Muhammad Saleem Haider, Abdus Salam Khan and Urooj Mubashar 2015. Disease response of exotic rice genotypes against bacterial leaf blight and its effect on various morphological traits (To be submitted to Bangladesh journal of botany).

Muhammad Ashfaq, Muhammad Akhter, Muhammad Saleem Haider, Urooj Mubashar, Amna Ali and Muhammad Ali, 2015. Exploring the allelopathic impacts on the local and exotic varieties of *oryza sativa* l. Seeds. (To be submitted to Pakistan journal of phytopathology).

Amna Ali, Muhammad Saleem Haider and **Muhammad Ashfaq**, 2015. EFFECT OF CULTURE FILTRATES OF *Trichoderma* SPP. ON SEED GERMINATION AND SEEDLING GROWTH IN CHICKPEA – AN INVITRO STUDY (To be submitted to Pakistan Journal Agricultural Sciences).

Muhammad Ashfaq, Muhammad Saleem Haider, Muhammad Ali, Amna Ali and Urooj Mubashar 2016. Divergent germplasm evaluation and breeding for the development of rice grain discoloration resistant plant populations. (To be submitted to Pakistan Journal Agricultural Sciences).