

PUBLICATIONS IN IMPACT FACTOR JOURNALS

(Cumulative Impact Factor: 10.014)

Kanwal, A, A. Javaid, **R. Mahmood** and N. Akhtar. 2017. Correlation between soil nutrients and soil-borne mycoflora in wheat-rice cropping system of Punjab, Pakistan. *The Journal of Animal & Plant Sciences*, 27(4), 1256-1263 (Impact factor: 0.448).

Shakar, M., M. Yaseen, **R. Mahmood** and I. Ahmad. 2017. Effect of soil-applied CaC₂ on gas exchange characters, nitrogen metabolism and fruit yield in cucumber (*Cucumis sativus*). *New Zealand Journal of Crop and Horticultural Science*, 1-12 (Impact factor: 0.605).

Khan, H. A. A., W. Akram, T. Khan, M. Arshad, S. Ali, **R. Mahmood** and F. Hafeez. 2017. Correlation of biochemical leaf traits and gall formation in six cultivars of mango, *Mangifera indica* L. *Pakistan Journal of Agricultural Sciences*, 54(1), 91-96 (Impact factor: 1.049).

Shakar, M., M. Yaseen, A. Niaz, **R. Mahmood**, M. M. Iqbal and T. Naz. 2016. Calcium Carbide-induced changes in germination, morpho-phenological and yield traits in cucumber (*Cucumis sativus*). *International Journal of Agriculture & Biology* 18(4): 703-709. (Impact factor: 0.758).

Shakar, M., M. Yaseen, **R. Mahmood**, I. Ahmad. 2016. Calcium carbide induced ethylene modulates biochemical profile of *Cucumis sativus* at seed germination stage to alleviate salt stress. *Scientia Horticulturae* 213: 179–185. (Impact factor: 1.538).

Mahmood, R. and M. Yaseen. 2016. Influence of calcium carbide formulations on growth, yield and nitrogen uptake of wheat under field conditions. *Journal of Plant Nutrition*. 39(5): 609-619. (Impact factor: 0.510)

Amin. M, R. Ahmad, A. Ali, I. Hussain and **R. Mahmood**, M. Aslam and D.J. Lee. 2016. Influence of Silicon Fertilization on Maize Performance Under Limited Water Supply. *Silicon* (Impact factor: 0.86).

Ali. A, T. Haq, **R. Mahmood**, M. Jaan and M.N. Abbas. 2016. Stimulating the Anti-Oxidative Role and Wheat Growth Improvement Through Silicon Under Salt Stress. *Silicon* (Impact factor: 0.86).

Ali. A, W. Ahmad, **R. Mahmood**, T. Haq and M.N. Abbas. 2016. Salinity tolerance in rice as affected by application of abscisic acid and salicylic acid. *Bangladesh Journal of Botany* 45(1): 93-98. (Impact factor: 0.301).

Akhtar, S., A. Shoaib, N. Akhtar and **R. Mahmood**. 2016. Separate and combined effects of *macrophomina phaseolina* and copper on growth, physiology and antioxidative enzymes in *vigna mungo* L. *The Journal of Animal & Plant Sciences* 26(5): 1339-1345. (Impact factor: 0.422).

Siddiq. S, M. Yaseen and **R. Mahmood**. 2015. Impact of calcium carbide induced nitrogen uptake and ethylene related response on fruit quality of three Tomato (*Lycopersicon esculentum* Mill.) Cultivars. *Philippine Agricultural Sciences* 98(4): 368-373 (Impact factor: 0.260).

Mahmood, R. and M. Yaseen. 2014. Effectiveness of calcium carbide formulations in emergence stimulation and growth of wheat seedlings. *Pakistan Journal of Agricultural Sciences* 51(3): 579-584 (Impact factor 1.05).

Mahmood, R., A. A. Shahid, A. Usmani, M. S. Haider and S. Ali. 2014. Nitrification inhibition potential of various leaf extracts. *Philippine Agricultural Scientist* 97(3): 287-293 (Impact factor 0.260).

Mahmood, R. and M. Yaseen. 2014. Calcium carbide based formulations cause a slow release of acetylene and ethylene in the soil and inhibits nitrification. *Communications in Soil Science and Plant Analysis* 45: 2277-2288 (Impact factor 0.42).

Mahmood, R., A. Ali and M. Ahmad. 2014. Role of encapsulated calcium carbide in nitrogen economy, growth and yield of crops- a review. *The Journal of Animal and Plant Sciences* 24(2): 354-361 (Impact factor 0.45).

Mahmood, R., M. Yaseen, A. Ali, J. Iqbal, M. Sarwar and S. Hussain. 2011. Effect of rate and application depth of matrix-I calcium carbide based formulation on growth, yield and nitrogen uptake of wheat. *African Journal of Agricultural Research* 6(30): 6363-6368 (Impact factor; 0.263).

Mahmood, R., M. Yaseen and M. Arshad. 2007. Effect of rate and time of calcium carbide application on nitrogen use efficiency of applied urea and growth of wheat. *Pakistan Journal of Botany* 39(2): 497-502 (Impact factor; 0.82).

PUBLICATIONS IN HEC RECOGNISED NON-IMPACT FACTOR JOURNALS

Ali, A., N. Abas, M. M. Maqbool, T. Haq, M. Ahmad, **R. Mahmood**. 2015. Influence of soil applied moringa leaf extract on vegetative growth of *Cyperus Rotundus*. *Asian Journal of Agricultural Biology* 3(2):79-82.

Mahmood, A., A. J. Wahla, **R. Mahmood**, L. Ali and M. Nawaz. 2014. Impact of sowing time on yield parameters of selected wheat cultivars under rice-wheat cropping system of district Sheikhpura, Punjab, Pakistan. *Biologia (Pakistan)* (Y-category).

Sarwar, M, A. Ali¹, M. M. Maqbool, M. Ahmad, **R. Mahmood**, T. U. Haq. 2013. Suppressing impact of *Avena fatua* and *Phlaris minor* on the growth and yield in wheat. *Pakistan Journal of Nutrition* 12 (10): 912-916 (Y-category).

Maqbool M. M., M. Ahmad, A. Ali, **R. Mahmood**, M. Ahmad and M. Sarwar. 2012. Optimizing the Method and Source of Phosphatic Nutrition for Wheat (*Triticum astivum* L.) Under Agro-Climate of Dera Ghazi Khan. *Pakistan Journal of Nutrition* 11 (9): 787-792 (Y-category).

Mahmood, R., M. Yaseen, A. Ali, J. Iqbal, S. Hussain and M. A. A. H. A. Bukhsh. 2012. Nutritional and Physiological Response of Wheat to Soil Applied Matrix-I Formulated Calcium Carbide with and Without Nitrogen Fertilizer. *Pakistan Journal of Nutrition* 11 (2): 154-159 (Y-category).

Mahmood, R., M. Yaseen, M. Arshad and A. Tanvir. 2010. Comparative effect of different calcium carbide based formulations on growth and yield of wheat. *Soil and Environment* 29(1): 33-37 (Y-category).

Mahmood, R., M. Yaseen, S. Kashif and M. Arshad. 2005. Effect of rate and time of application of encapsulated calcium carbide on growth and N uptake of wheat. *Pakistan Journal of Agricultural Sciences* 42(1-2):48-55 (Y-category).

Yaseen, M., M. Sohail, **R. Mahmood**, S.A. Hussain, A. Rahim, W. Ahmad and S. R. Kashif. 2004. Phosphorus use efficiency in wheat genotypes: II. Chemical composition. Pakistan Journal of Life and Social Sciences 2(2): 159-162 (Y-category).

PUBLICATIONS IN OTHER LOCAL JOURNALS

Mahmood, A., A. J. Wahla, **R. Mahmood** and L. Ali. 2013. Influence of flat and bed sowing methods on growth and yield parameters of wheat in rice-wheat cropping system. Mycopath 11(1): 33-37.

Mahmood, A., G. S. Azhar, J. Iqbal, A. J. Wahla and **R. Mahmood**. 2013. Effects of herbicides on weed density and wheat yield. Mycopath 11(2): 103-108.

Kanwal, A., F. Anjum, H. Qudsia, A. Javaid and **R. Mahmood**. 2012. Evaluation of tebuconazole and thiophanate-methyl against some problematic soil-borne plant pathogens. Mycopath 10(1): 17-20.

Mahmood, R. and U. Bashir. 2011. Relationship between soil physicochemical characteristics and soil-borne diseases. Mycopath 9(2): 87-93.

PUBLICATIONS IN OTHER FOREIGN JOURNALS

Mahmood, R., M. Naseer, A. A. Shahid and A. Usmani. 2014. Screening of indigenous weed extracts against *Fusarium solani* with an emphasis to soil fertility related microbial activities. Journal of Food, Agriculture & Environment 12(2): 958-962.

PUBLICATIONS IN CONFERENCE PROCEEDINGS

Kashif, S. U. R., M. Yaseen, **R. Mahmood** and M. Arshad. 2007. Response of okra (*Abelmoschus esculentus* L. Moench) to soil applied calcium carbide – an innovative approach. Proceedings: International Symposium on Prospects of Horticultural Industry in Pakistan. 28th to 30th March. Institute of Horticultural Sciences, University of Agriculture, Faisalabad.