

Prof. Dr. Shah Alam Khan

Research Publications:

Khwaja Junaid and Shah Alam Khan. (2022). Population Trend of Rice leaf folder, *Cnaphalocrocis medinalis* G. (Lepidoptera: Crambidae). Journal of Xi'an Shiyou University, Natural Science., pp 1701-1711, 2022

DOI: <http://xisdjxsu.asia>

Misbah ud Din, Shah Alam Khan, Said Hussain Shah and Najeeb Ullah, (2022) Efficacy of different pesticides against Mustard aphid *Liphaphis erysimi* in Selected Muatard cultivars. Pakistan Journal of Agriculture Research 35(2):471-379.

DOI <http://dx.doi.org/10.17582/Journal.pjr/2022/35.2.371.379>

Muhammad, N and S, A, Khan. (2022). Screening of Selected Canola Genotypes against Mustard Aphid (*Lipaphis erysimi* (K.) Hemiptera: Aphididae) through Antixenosis and Antibiosis Assays. Pakistan J. Zool., pp 1-8, 2022. DOI:<https://dx.doi.org/10.17582/journal.pjz/20220418050415>

Muhammad, N and S, A, Khan. (2022). Screening of Selected Canola Cultivars for Yield and Tolerance against Mustard Aphid, *Lipaphis erysimi* Kalt. (Hemiptera: Aphididae). Sarhad Journal of Agriculture. 38, (2): 497-503.

Dawar. K., S. U. Rahman, S. Fahad, S. S. Alam, S. A. Khan, A. Dawar, U. Younis, S. Danish, R. Datta, and R. P. Dick. 2021. Influence of variable biochar concentration on yield-scaled nitrous oxide emissions, Wheat yield and nitrogen use efficiency. Scientific Reports. Manuscript id: 7d4cfeaa-d83f4ce8-ac14-c5042c1f01f4.

M. Irfan, M. Mudassir, M. J. Khan, K. M. Dawar, D. Muhammad, I. Ahmad Mian, W. Ali, S. Fahad, S. Saud, Z. Hayat, T. Nawaz, S. A. Khan, S. Alam, B. Ali, J. Banout, S. Ahmed, S. Mubeen, S. Danish, R. Datta, A. M. Elgorban & R Dewil. (2021). Heavy metals immobilization and improvement in maize (*Zea mays*L.) growth amended with biochar and compost. Scientific Reports.

11:18416. <https://doi.org/10.1038/s41598-021-97525-8>

- Khan., Z, S. A. Khan, N. Khan and N. Muhammad. (2019). "Efficacy of Aqueous Plant Extracts and Pesticide Against Okra Fruit Borer in Commercial Okra Cultivars". *Acta Scientific Agriculture*. 3.12: 81-84.
- Nisar H, Khan SA, Khan Z, AUR Saljoqi, Hussain S and Muhammad N, 2018. Relative susceptibility of four wheat cultivars against angoumois grain moth *Sitotroga cerealella* (Olivier) (Lepidoptera: Gelechiidae). *Journal of Entomology and Zoology Studies* 2018; 6(3): 379-382.
- Muhammad. N and S. A. Khan. 2017. Categorization of commercial canola cultivars resistant to aphids (l. *Erysimi* k.) Through phenotypic characters. *Proc. Pakistan Congr. Zool.*, vol. 37, pp. 1-12
- Khan, Z., S. A. Khan, H. Khan, N. Khan, K. Junaid and I. Khan. (2017). Seven Local Commercial Wheat Cultivars Tested for Resistance against *Rhopalosiphum padi*L. in Pakistan. *Pakistan J. Zool.*, vol. 49(3), pp 793-799, 2017. DOI: <http://dx.doi.org/10.17582/journal.pjz/2017.49.3.793.799>
- Junaid. K., S.A.Khan I.Ullah, S.R.A.Shah and Z.Khan. 2016. Study on different Components of Resistance in Wheat Genotypes to Green Bug (*Schizaphis graminum*). *Pak. J. Zool.*, 48(4), pp. 981-987
- Qamar Z., M. Naeem, S. A. Khan and S. Ahmad. 2016. Effect of Insecticides on the Population of Aphids, Natural Enemies and Yield Components of Wheat. *Pak. J. Zool.*, 48(6), pp. 1839-1848
- Wahid F, M. Sharif, S. Steinkellner. M. A. Khan, K.B. Marwat And S. A. Khan. 2016. Inoculation Of *Arbuscular Mycorrhizal* Fungi And Phosphate pSolubilizing Bacteria In The Presence Of Rock Phosphate Improves Phosphorus Uptake And Growth Of Maize. *Pak. J. Bot.*, 48(2): 739-747
- Khan I., N. Qureshi, S. A. Khan, A. Ali, S. R. A. Shah and Z. Khan. and K. Junaid. 2016. Efficacy of Several Plant Extracts as Growth Inhibitors against Red Flour Beetle, *Tribolium castaneum* Herbs (Coleoptera-*Tenebrionidae* *Acta Zool. Bulg.* 68 (3), 443-450

- Khan, M. A., F. Wahid, Umme-Kulsoom, K. B. Marwat, B. Gul, M. Inayatullah, A.M. Khattak and S.A. Khan.2015. Evaluating the threshold levels of *neslia apicul-ata* in wheat and Its effects on crop yield losses in swat valley of Khyber Pakhtunkhwa. Pak. J. Bot., 47(SI): 87-91
- Khan S. A., J.C. Reese, C. Predeesh, M. Murugan And Y. Hayat. 2015. Categories Of Resistance In Wheat To Green Bug *Schizaphis,graminum* (Rondani) Through A Novel Technique Direct Current Electrical Penetration Graph (DC-EPG). Pak. J. Bot., 47(Si): 307-312
- Qamar Z., M. Naeem, S. Ahmad And S. A. Khan. 2015. Seedling Bulk Test (Mass Screening) Of Fifty Wheat Genotypes Against *Schizaphis graminum* (Rondani) (Aphididae: Hemiptera) J. Ent And Zoo. 3(6): 360-365
- Shah S. R. A., S. A. Khan, K. Junaid, S. Sattar, M. Zaman, N. Saleem And M. Adnan. 2015. Screening Of Mustard Genotypes For Antixenosis And Multiplication Against Mustard Aphid, *Lipaphis erysimi* (Kalt) (Aphididae: Homoptera). J. Ent And Zoo. 3(6): 84-87
- Shah S. R. A., S. A. Khan, A. U. R. Saljoqi, K. Junaid, I. Khan, M. Zaman, F. Said, M. Adnan And N. Saleem. 2015. Assessment Of The Varietal Preference And Resistance Against *Lipaphis erysimi* (K.) In Segregating Mustard Genotypes Under Agro-Ecological Conditions Of Peshawar, Pakistan. J. Ent And Zoo. 3 (5): 100-103
- Khan S. A., M. Marimuthu, C. Predeesh, Lina M. Aguirre-Rojas, John C. Reese And C. Michael Smith. 2015. Electrical Penetration Graph Recording Of Russian Wheat Aphid (Hemiptera: Aphididae) Feeding On Aphid-Resistant Wheat And Barley. J. Economic. Entomology.108 (5):2465-2470
- Qamar Z., S. I. Rondon, M. Naeem, S. A. Khan, A. Goyer, S. V. Vleet and M. K. Corp. 2015. Categorization of Putative Factors Against *Rhopalosiphum padi* (L.) (Heteroptera: Aphididae). J. Economic Entomology. 1–6
- Zahid, M., Salman M, A.Farid, S.A.Khan and K.Habib.2015. Control for Managing Peach Flat-Headed Borer, Sphenoptera dadkhani (Oben.) (Coleoptera:

Buprestidae). Pakistan J. Zool., vol. 47(6), pp. 1771-1776.

Zahid, M., M. Salman, S.A. Khan and I. Ullah. 2015. Surveillance and Control of Peach Flat-Headed Borer, *Sphenoptera Dadkhani* (Oben.) in Plum Orchards of Khyber Pakhtunkhwa, Pakistan SJA 31(1):30-36

Arif M, M. T. Jan, I.A. Mian, S.A. Khan, P. Hollington And D. Harris,. 2014. Evaluating The Impact Of Osmopriming Varying With Polyethylene Glycol Concentrations And Durations On Soybean. Int. J. Of Agri & Bio. 16 (2): 359–364

Kamran K., G. D. Khan, S. U. Din, S. A. Khan And W. Ullah. 2014. Evaluation Of Different Wheat Genotypes Against Rice Weevil (*Sitophilus oryzae* (L.) (Coleopteran: Curculionidae) J. Of Bio, Agric. And Healthcare. 4(8): 22242228

Hafiz F. A., A. Bibi, M. Ahmad, M. Junaid, A. Ali, S. Hussain, S. A. Khan and S. Alam. 2014. Characterization Of The Causal Organism Of Blackleg And Soft Rot Of Potato, And Management Of The Disease With Balanced Fertilization. Pak. J. Bot., 46 (6): 2277-2284

Hafiz F. A., M. Junaid, M. Ahmad, A. Bibi, A. Ali, S. Hussain, S. A. Khan And J. A. Shah. 2013. Molecular And Pathogenic Diversity Identified Among Isolates Of *Erwinia Carotovora* sub-Species Atroseptica Associated With Potato Blackleg And Soft Rot. Pak. J. Bot., 45(3): 1073-1078

Predeesh C, J. C. Reese, S. A. Khan, D. Wang, W. Schapaugh, And L. R. Campbell. 2013. Feeding Behavior Comparison Of Soybean Aphid (Hemiptera: Aphididae) Biotypes On Different Soybean Genotypes. J. Economic. Entomology. 106 (5): 2234-2240

N. Khan, Hashmatullah, K. Naveed, Z. Hussain and S. A. Khan. 2012. Assessment Of Allelopathic Effects Of Parthenium (*Parthenium hysterophorus*.) Plant Parts On Seed Germination And Seedling Growth Of Wheat (*Triticum estivum* L.). Pak. J. Weed Sci. Res. 18 (1): 39-50

N. Khan, N. W. Khan, S. A. Khan, M. A. Khan And K. B. Marwat. 2012. Combined

Effect Of Nitrogen Fertilizers And Herbicides Upon Maize Production In Peshawar. J. Of Animal And Plant. Sci, 22 (2): Page: 12-17

I,Ullah, G.Saqib, M.Ayub, A.A Khan, S.Anwar and S.A.Khan.2012. response of common buckwheat to nitrogen and phosphorus fertilization.Sarhad J.Agric. 28 (2):171-178

Khan, M.J., M.T.Jan, F.Ullah, S. Alam and A.U.Jan 2011. The effect of using waste water for tomato. Pak. J. Bot., 43 (2): 1033-1044

M. Murugan; Khan S.A; S. Starkey and CM Smith.2010. Variation of resistance in Barley against biotype of the Russian Wheat Aphid, *Diuraphis noxia* biotypes. J. Economic Entomology: 103 (3) 938-948.

S. A. Khan, M.Murugan, S. Starkey, A. Manley and CM Smith. (2009). Categories and inheritance of resistance in wheat against Russian Wheat Aphid, *Diuraphis noxia*". Journal of Economic Entomology. 102 (4) 1654-1662.

Khan, S.A. N. Hussain, Farmanullah and Hayat,Y. 2007. Screening of wheat genotypes for resistance against cereal aphid.Sarhad Journal of Agriculture. 23 (2):427-434.

Khan, S.A., N. Hussain, Farmanullah, Hayat, Y.and Shahid,S. 2007.Natural enemies of cereal aphids in NWFP of Pakistan. Sarhad Journal of Agriculture. 23 (2):435-439.

Khan,S.A. ,Farmanullah, N. Hussain, AUR. Saljoki, Hayat, Y.and Shahid, S. 2006. Distribution pattern of cereal aphids in wheat growing areas of the NWFP Pakistan.Sarhad Journal of Agriculture. 22 (4):656-659.

Saljoki, AUR, M,Khan, S. A. Khan and Said, R. 2007. Effect of six plant extracts on Rice weevil *Sitophilus oryzae* in stored wheat grain. Pakistan journal of biological sciences. 1(2):1-5.

Saljoki, AUR, Said, R. N Husain and S. A. Khan. 2007. Insect pest of canola crop other than aphid) SJA. 1(2):1-5.

Alam S.S. Mushraf, M., S. A. Khan. A.Usman Mia I. A. and Naveedullah. 2007. Variation in garlic varieties for reaction to natural infection of *Puccinia porri wint* and *Alternaria porri* clif at Swabi, NWFP. Sarhad Journal of Agriculture. 23 (1):149-152.

- Musharaf, A., Alam S. S., S. A. Khan, A. Usman and David, C 2007. Export of the HR eliciting proteins Harpines of the maize pathogen *Erwinia stewarti* species-specific but is independent of the growth temperature. Pakistan of Biological science 10 (1):117-121
- Ishrat, N., M. Ahmad ,S.A. Khan, M. Tahir, F. Raziq. 2007. Control of Root and collar Rot disease, A serious threat to chillis production in NWFP. Sarhad Journal of Agriculture. 23 (2): 451-453.
- Mansoor, K.K. A Q.Mugha, Liaqat, A. Jamal S. A. Khan. and M .Z. Khan.2007.Economic evaluation of deep tillage practices under maize fallow rotation.Sarhad Journal of Agriculture. 23 (2):365-370.
- Naimatullah, K. H.Ullah, K. Usman, S.A. Khan. 2007. Growth and yield related characteristics of improved commercial cotton cultivars. Sarhad Journal of Agriculture. 23 (2):261-263.
- Naimatullah, K.,H.Ullah, K. Usman, S.A. Khan. 2007. Performance of selected cotton cultivars for yield and fiber related parameters. Sarhad Journal of Agriculture. 23 (2): 257-259.
- Khan S.A. N. Hussain, Saljoki, AUR and Hayat Y. 2006. Resistance of maize variety 'Jalal' against corn leaf aphid *R.maidis*, its impacts on density and effect on yield and yield components. Journal of Biological Sciences.1 (2):30-34.
- Khan,N., G.Hassan, K.Naveed, S. A. Khan and Z.Hanif.2006. Effect of Maize (*zeamays*) planting densities on various growth parameters of Barnyard grass (*Echinochloa-crusgalli*) and maize. Int. J. Biol. Biotech. 14(1):123-128,
- Mushraf, M. S. S. Alam, S. A. Khan and N. Ahmad. 2006. Evaluation of wheat germplasm against yellow Rust (*puccinia striiformis* F.sptritici) under natural conditions.Sarhad Journal of Agriculture. 22 (4):661-665.
- Anis, UR. S. A. Khan, R. Shah. W. Hassan and A.Rauf. 2000. Efficacy of an insect growth inhibitor (IGI) against *Helicoverpa armigera* (Hubner) (Lepidoptera: Noctudae) on potato in Nowshera, NWFP. Sarhad Journal of Agriculture. 16 (1):81-83.

Ali, A. Farmanullah and S. A. Khan.1999. Efficacy of various insecticides and trap heights in Methyl Eugenol baited traps against fruit flies. Sarhad Journal of Agriculture. 15 (6): 590-594.

Khan, S. A. N. Hussain, I. A. Khan, M. Khan and M Iqbal. 1998. Study on weed control in maize crop. Sarhad Journal of Agriculture. 14 (6):581-586.