

Curriculum Vitae



Name: Dr. Muhammad Sufian
Grade: Ph.D. (Entomology)
Institution : Organic Agriculture, University of Bonn (Germany)
Nationality: Pakistani
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RESEARCH INTERESTS:

- Biological study of insects
- Exploration of insect pathogens and their application as biocontrol agents
- Development of IPM models to minimize pesticide residues in for major crops, fruits and vegetables
- Preventative pest management strategies
- Insects dispersal and development of insect attractants for IPM systems
- Sustainable agriculture

CAREER DEVELOPMENT and SCHOLARSHIPS/AWARDS

| | |
|-----------|--------------------------------------------------------------------------------------|
| 2007-2013 | Ph.D. Institute of Organic Agriculture (IOL), University of Bonn, Germany |
| 2004-2007 | M.Sc. Institute of Organic Agriculture (IOL), University of Bonn, Germany |
| 1998-2002 | B.Sc. (Hons.) Department of Entomology, Agriculture University of Peshawar, Pakistan |
| 2010-2011 | HEC Fellowship Pakistan |
| 2008-2010 | Institute of Organic Agriculture (IOL) Fellowship Germany |
| 2007-2008 | DAAD Fellowship Germany |

PUBLICATIONS:

2025

1. Kamran Haider, M. Sufian, D. Abbass, K. Kabir, M. Shamekh Ali, Y. Kausar, M. A. Ghafar. 2025. The Role of Gut Microbiota in Shaping Immune Responses in Tephritidae Fruit Fly and Prospective Implications for Management. Neotropical Entomology. 54:34, 1-15. <https://doi.org/10.1007/s13744-025-01248-8>

2024

2. Fayyaz, M., A. Abbas, M. Sufyan and M.A. Ali. 2024. Efficacy of Biochar Developed from Different Feedstocks at Different Temperatures for Mitigating Root Knot Nematodes in *Lycopersicon esculentum* Mill. Pakistan Journal of Agricultural Sciences. 61: 1127-1135.
3. Muhammad Jalal Arif, Ahmad Nawaz, Muhammad Sufyan, *et al.* 2024. Impacts of abiotic factors and pesticide on the development, phenology, and reproductive biology of pink bollworm, *Pectinophora gossypiella* (Saunders) (Lepidoptera: Gelechiidae). PeerJ 12:e18399 <https://doi.org/10.7717/peerj.18399>
4. Majeed, S., Sufyan, M., Abbasi, A. *et al.* Efficacy of different blood meals for the mass rearing of *Aedes aegypti* (Diptera: Culicidae) population. Int J. Trop. Insect Sci. (2024). <https://doi.org/10.1007/s42690-024-01241-5>
5. Ijaz Haider, Muhammad Sufyan, Muhammad Akhtar, Muhammad Jalal Arif, Modhi O. Alotaibi, Ali Noman, Muhammad Qasim and Mator Mohsin Gilani, 2024. Assessment of Tolerance Level of Different Rice Genotypes Against *Sogatella furcifera* (Homoptera: Delphacidae). Pakistan J. Zool., pp 1-7, 2024. DOI: <https://dx.doi.org/10.17582/journal.pjz/20230916112244>

2022

6. Asim Abbasi, **Muhammad Sufyan**, Hafiza Javaria Ashraf, Qamar uz Zaman, Inzamam Ul Haq, Zahoor Ahmad, Ramish Saleem, Mohammad Rameez Hashmi, Mariusz Jaremko, Nader R. Abdel salam, Rehab Y. Ghareeb. 2022. Determination of silicon accumulation in cotton (*Gossypium hirsutum*) plants and its impact on oviposition preference and biology of whitefly (*Bemisia tabaci*). Sustainability, 2022. 14. 10966, 1-19. (ISSN 2071-1050) 2022. <https://doi.org/10.3390/su141710996> IF: 3.88 W
7. Ahmad Nawaz, Fatima Razzaq, Amna Razzaq, Muhammad Dildar Gogi, G Mandela Fernández-Grandon, Muhammad Tayib, Muhammad Ahsin Ayub, **Muhammad Sufyan**, Muhammad Rafiq Shahid, Mirza Abdul Qayyum, Muhammad Naveed, Anam Ijaz, Muhammad Jalal Arif, 2022. Compatibility and synergistic interactions of fungi, Metarhizium anisopliae, and insecticide combinations against the cotton aphid, *Aphis gossypii* Glover (Homoptera: Aphididae). Scientific Reports. 12(1): 1-10, 2022. <https://doi.org/10.1038/s41598-022-08841-6> IF: 4.99 W

2021

8. Haider Ijaz, **Sufyan Muhammad**, Akhtar Muhammad, Jalal Muhammad A., Sahi Shahbaz T., Akhter Noreen, Noman Ali & Qasim Muhammad, 2021. Assessment of antixenosis and antibiosis levels in rice genotypes against *Sogatella furcifera* (Homoptera: Delphacidae). Revista de la Sociedad Entomológica Argentina 80(2): 2-11, 2021. IF: 0.44
9. S. J. N. Ahmad, W. Ahmad, D. Majeed, **M. Sufian**, M. Z. Sharif, A. Ali, I. Ahuja, A. M. Bones and J. N. Ahmad, 2021. Infestation, genetic variation analysis and biology study of biocontrol agent *Isturgia disputaria* (Guenées) on *Acacia nilotica* in Pakistan. 31(6): 2021. The Journal of Animal and Plant Sciences. <https://doi.org/10.36899/JAPS.2021.6.0379> IF: 0.57
10. Ahmad Nawaz, Habib Ali, Sajid Fiaz, **Muhammad Sufyan**, Miza Abdul Qayyum, Rashid Azad, Yasir Niaz, Muhamamd Adnan Bodlah, Khalid Ali Khan, 2021. Analysis of food resources, host availability and insecticidal impacts on the fecundity, longevity and parasitism efficiency of *Diaertiella rapae* (M'Intosh). 1-14, 2021. International Journal of Tropical Insect Science. <https://doi.org/10.1007/s42690-021-00472-0> IF: 1.02

11. Muhammad Dildar Gogi, Ali Hassan Syed, Bilal Atta, **Muhammad Sufyan**, Muhammad Jalal Arif, Muhammad Arshad, Ahmad Nawaz, Muhammad Ahsan Khan, Adeel Mukhtar & Oscar Emanuel Liburd, 2021. Efficacy of biorational insecticides against *Bemisia tabaci* (Genn.) and their selectivity for its parasitoid *Encarsia formosa* Gahan on Bt cotton. Scientific Reports. 11, 2101 (2021). <https://doi.org/10.1038/s41598-021-81585-x> IF: 4.99 W

2020

12. Ijaz Haider, **Muhammad Sufyan**, Muhammad Akhtar, Muhammad Jalal Arif, Shahbaz Talib Sahi, 2020. Efficacy of entomopathogenic fungi alone and in combination with buprofezin against *Sogatella furcifera* (Horváth) on rice. Gesunde Pflanzen. 85-94, 2020. <https://doi.org/10.1007/s10343-020-00531-5>. IF: 3.1
13. Ijaz Haider, **Muhammad Sufyan**, Muhammad Akhtar, Muhammad Jalal Arif, 2020. Influence of abiotic factors on population dynamics of *Sogatella furcifera* Horvath (Delphacidae: Homoptera). International Journal of Tropical Insect Science. 41, 775-786 (2021). <https://doi.org/10.1007/s42690-020-00268-8> IF: 1.02
14. Asim Abbasi, **Muhammad Sufyan**, Muhammad Jalal Arif, Shahbaz Talib Sahi, 2020. Effect of silicon on tritrophic interaction of cotton, *Gossypium hirsutum* (Linnaeus), *Bemisia tabaci* (Gennadius) (Homoptera: Aleyrodidae) and the predator, *Chrysoperla carnea* (Stephens) (Neuroptera: Chrysopidae). Arthropod-Plant Interactions, 1-9. 2020. <https://doi.org/10.1007/s11829-020-09786-1> IF: 2.40 W
15. Samina Jam Nazeer Ahmad, Dilawar Majeed, Abid Ali, **Muhammad Sufian**, Zubair Aslam, Mujahid Manzoor and Jam Nazeer Ahmad, 2020. Effect of natural high temperature and flooding conditions on cry1ac gene expression in different transgenic Bt cotton (*Gossypium hirsutum* L.) cultivars. Pakistan Journal of Botany, 53(1), 127-134 2021. DOI:10.30848/PJB2021-1(38). IF: 0.75
16. Asim Abbasi, **Muhammad Sufyan**, Muhammad Jalal Arif and Shahbaz Talib Sahi, 2020. Effect of silicon on oviposition preference and biology of *Bemisia tabaci* (Gennadius) (Homoptera: Aleyrodidae) feeding on *Gossypium hirsutum* (Linnaeus). International Journal of Pest Management, 68(2): 124-134, 2022. <https://doi.org/10.1080/09670874.2020.1802084> IF: 1.76
17. Ahmad Nawaz, Muhammad Dildar Gogi, Muhammad Naveed, Muhammad Arshad, **Muhammad Sufyan**, Muhammad Binyameen, Shams Ul Islam, Muhammad Waseem, Muhammad Bilal Ayyub, Muhammad Jalal Arif and Habib Ali, 2020. In vivo and in vitro assessment of *Trichoderma* species and *Bacillus thuringiensis* integration to mitigate insect pests of brinjal (*Solanum melongena* L.). Egyptian Journal of Biological Pest Control, 30:60, 2020. <https://doi.org/10.1186/s41938-020-00258-5> IF: 2.05 W
18. Hira Afzal, Sohail Ahmed, Rashad Rasool Khan, **Muhammad Sufian**, Muhammad Arshad and Muhammad Qasim, 2020. Management of house fly, *Musca domestica* L. (Muscidae: Diptera), through botanical baits. Revista Brasileira de Entomologia, 64(1): e201968, 2020 IF: 1.13
19. Sumer Zulfiqar, Sohail Ahmed, **Muhammad Sufyan**, Muhammad Arshad, Ahmad Nawaz and Babar Hassan, 2020. Termiticide activities of wood extractives of *Ziziphus mauritiana* (Rhamnaceae) against subterranean termites under field conditions. Revista Brasileira de Entomologia, 64(1):e201998, 2020. IF: 1.13
20. Ahmad Nawaz, Habib Ali, **Muhammad Sufyan**, Muhammad Dildar Gogi, Muhammad Jalal Arif, Abid Ali, Muhammad Qasim, Waqar Islam, Muhammad Tayab, Imran Bodla, Madiha Zaynab, Khalid Ali Khan, Hamed A. Ghramh, 2020. In-vitro assessment of food consumption,

utilization indices and losses promises of leafworm, *Spodoptera litura* (Fab.), on Okra crop. Journal of Asia-Pacific Entomology, 23(1), 60-66. **IF: 1.58**

2019

21. M.A. Malik, S.J.N. Ahmad, J.N. Ahmad, A. Abbasi, **M. Sufyan**, M.J. Arif, 2019. Efficacy of *Bacillus thuringiensis* and *Beauveria bassiana* against Red Palm Weevil *Rhynchophorus ferrugineus* Olivier (Coleoptera: Curculionidae)," African Entomology, 27(2), 386-394. **IF: 0.8**
22. Ahmad Nawaz, Habib Ali, **Muhammad Sufyan**, Muhammad Dildar Gogi, Muhammad Jalal Arif, Mazhar Hussain Ranjha, Muhammad Arshid, Muhammad Waseem, Tariq Mustafa, Muhammad Qasim, Muhammad Rizwan, Madiha Zaynab, Khalid Ali Khan, Hamed A. Ghramh. 2019. Comparative bio-efficacy of nuclear polyhedrosis virus (NPV) and Spinosad against American bollworm, *Helicoverpa armigera* (Hubner). Revista Brasileira de Entomologia, 63(4): 277-282. **IF: 1.13**
23. **Muhammad Sufyan**, Asim Abbasi, Waqas Wakil, M. Dildar Gogi, M. Arshad, Ahmad Nawaz, Zeeshan Shabbir. 2019. Efficacy of *Beauveria bassiana* and *Bacillus thuringiensis* against maize stem borer *Chilo partellus* (Swinhoe) (Lepidoptera: Pyralidae). Gesunde Pflanzen, 71: 197-204. **IF: 2.082**

2018

24. Muhammad Arshad, Sajjad Ahmad, **Muhammad Sufyan**, Zain-ul Abidin and Sumaira Maqsood. 2018. Population Dynamics of Aphids and their Natural Enemies Associated with Strip-Intercropping in Wheat Crop. Pakistan J. Zool., 50: 1225-1230. **IF: 0.687**
25. Tahseen Qamar Jugno, Waheed ul Hassan, Nawaz Haider Bashir, **Muhammad Sufian**, Talha Nazir, Tauqir Anwar and Abdul Hanan, 2018. Potential assessment of *Metarhizium anisopliae* and *Bacillus thuringiensis* against Brinjal insect pests *Amrasca bigutulla* (Jassid) and *Aphis gossypii* (Aphid). Journal of Entomology and Zoology Studies 2018; 6(2): 32-36.

2017

26. **Muhammad Sufyan**, Asim Abbasi, M. Dildar Gogi, M. Arshad, Ahmad Nawaz, Daniel Neuhooff. 2017. Efficacy of *Beauveria Bassiana* for the Management of Economically Important Wireworm Species (Coleoptera: Elateridae) in Organic Farming, Gesunde Pflanzen, 69: 197-202. **IF: 2.082**

2016

27. **Sufyan, M.**, M.J. Arif, Inzamam-ul-Haq, M.D. Gogi, M. Arshad and A. Nawaz, 2016. Rearing of *Coccinella septempunctata* L. (Coleoptera: Coccinellidae) on natural and artificial diets. Pak. Entomol. 38(2): 129-133.
28. Arif M.J., A. Nawaz, M.D. Gogi, **M. Sufyan** and A.M. Pashal (2016). Impact of male density and food sources on the progeny development of cotton mealybug, *Phenacoccus solenopsis* (Hemiptera: Pseudococcidae). Pak. Entomol. 38(1): 21-26.
29. Naeem, M., R.R. Khan, S. Ahmed, M. Arshad, S. Majeed, **M. Sufyan** and A. Rasul (2016). Relative effectiveness of different insecticides against pea leaf miner (*Phytomyza horticola* Goureaux) on pea under field conditions. Pak. Entomol. 38(1): 47-53.

30. Nawaz A., **M. Sufyan**, M.D. Gogi, M.J. Arif, S. Mehmood and M. Saeed (2016). Assessment of quantitative and qualitative losses by insect pests in different crop production systems of cabbage (*Brassica Oleracea* L.). J. Agric. Basic Sci., (2):45-49.

2015

31. Arif M.J., A. Nawaz, M. D. Gogi, **M. Sufyan**, F. Mustafa, U. Abbas, M. Arshad, Zain-ul-Abdin and W. Wakil (2015). Impact of nutrient management integration with chemical control on the population dynamics of sucking insect pests of Bt and non-bt cotton (*Gossypium hirsutum* L.). Pak. Entomol., 37(1): 21-26.

2014

32. **Sufyan, M.**, Neuhoﬀ, D. & L. Furlan (2014). Larval development of *Agriotes obscurus* (Coleoptera: Elateridae) under laboratory and semi-natural conditions. Bulletin of Insectology 67 (2): 227-235. **IF: 1.562**
33. Gogi, M.D., A. Mukhtar, M.J. Arif, M. Arshad, M. Ashfaq, A. Nawaz, F. Mustafa and **M. Sufian** (2014). Evaluation of synergism/antagonism in the toxicity of pyriproxifen against cotton mealybug through coadministration with silicon dioxide under laboratory condition. Pak. Entomol., 36(1): 69-72.

2013

34. **Sufyan, M.**, Neuhoﬀ, D. & L. Furlan (2013). Effect of male mass trapping of *Agriotes* species (Coleoptera: Elateridae) on wireworm abundance and potato tuber damage. Bulletin of Insectology 66 (1): 135-142. **IF: 1.562**

2011

35. **Sufyan, M.**, Neuhoﬀ, D. & L. Furlan (2011). Assessment of the range of attraction of pheromone traps to *Agriotes lineatus* and *Agriotes obscurus*. Agricultural and Forest Entomology 3(13): 313-319. **IF: 2.126 W**

2008

36. **Sufyan, M.**, Neuhoﬀ, D. & U. Köpke (2008). Monitoring *Agriotes lineatus* and *Agriotes obscurus* in organic production using pheromone traps. In: *Proceedings of the 2nd Scientific Conference of ISOFAR*, 18-20 June 2008 in Modena, Italy, p. 438-441 ISBN: 978-3-03736-023-1.
37. Neuhoﬀ D. & **M. Sufyan** (2008). Potentials for wireworm control in organic farming. In: 17th Triennial Conference of the European Association for Potato Research (EAPR 2008), July 6 - 10, 2008, Braşov, România, Supplement 2008, ISSN 1016-4790.

2007

38. **Sufyan, M.**, Neuhoﬀ, D. & L. Furlan (2007). Investigations on click beetles using pheromone traps. *IOBC/WPRS Bulletin* 30(7): 83-87 ISBN: 92-9067-202-x.

BOOK CHAPTER

2022

Nawaz, A., **M. Sufyan**, M. Tayyab, A. Ejaz, M.A. Qayyum, M. Waseem, M.D. Gogi, M.J. Arif, A. Munawar & W.W. Zhou (2022). Role of Protease Inhibitors in Recent Trends of Insect Pest Management In: Tanda, A.S. (eds) *Advances in Integrated Pest Management Technology (Innovative and Applied Aspects)*. 271-296, pp 482. ISBN 978-3-030-94948-8 ISBN 978-3-030-94949-5 (e Book). Springer, Cham. https://doi.org/10.1007/978-3-030-94949-5_12

Nawaz, A., M.D. Gogi, **M. Sufyan**, M. Arshad, Q. Ali, M. Tayyab, M.R. Shahid, F. Razzaq & W.W. Zhou (2022). *Advances in Nanobiotechnology as Sustainable Solutions for Insect Pest Management* In: Tanda, A.S. (eds) *Advances in Integrated Pest Management Technology (Innovative and Applied Aspects)*. 421-455, pp 482. ISBN 978-3-030-94948-8 ISBN 978-3-030-94949-5 (e Book). Springer, Springer, Cham. https://doi.org/10.1007/978-3-030-94949-5_16

2019

Ahmad Nawaz, **Muhammad Sufyan**, M. Dildar Gogi and Muhammad Wajid Javed (2019). Sustainable Management of Insect-Pests In: M. Farooq, Michele Pisante (eds.), *Innovations in Sustainable Agriculture*, 287-335, pp 627. Springer Nature Switzerland AG 2019. ISBN 978-3-030-23168-2 ISBN 978-3-030-23169-9 (e Book). <https://doi.org/10.1007/978-3-030-23169-9>

2018

Muhammad Jalal Arif, Muhammad Dildar Gogi, Ahmad Nawaz, **Muhammad Sufyan**, Rashad Rasool Khan, and Muhammad Arshad (2018). Input Supplies: The Starring Role of Pesticide Inputs in Agricultural Productivity and Food Security In: Iqar Ahmad Khan, Muhammad Sarwar Khan (eds.): *Developing Sustainable Agriculture in Pakistan*. 209-242, pp. 925. ISBN-13: 978-0-8153-6653-9. CRC Press Taylor & Francis Group 6000 Broken Sound Parkway NW, Suite 300 Boca Raton, FL 33487-2742.

Muhammad Jalal Arif, Waqas Wakil, Muhammad Dildar Gogi, Rashad Rasool Khan, Muhammad Arshad, **Muhammad Sufyan**, Ahmad Nawaz, Abid Ali, and Shahid Majeed (2018). Trends in Sustainable Management of Emerging Insect Pests. In: Iqar Ahmad Khan, Muhammad Sarwar Khan (eds.): *Developing Sustainable Agriculture in Pakistan*. 417-484. pp. 925. ISBN-13: 978-0-8153-6653-9. CRC Press Taylor & Francis Group 6000 Broken Sound Parkway NW, Suite 300 Boca Raton, FL 33487-2742.

2017

Muhammad Jalal Arif, **Muhammad Sufyan**, M. Dildar Gogi, Ahmad Nawaz and Abid Ali (2017). Insect Pest Management In: Muhammad Jalal Arif (ed.), *Sustainable Insect Pest Management*, 1-16, pp. 370. MAS Computers, Press Market, Aminpur Bazar, Faisalabad, Pakistan. © University of Agriculture, Faisalabad, Pakistan 2017. ISBN 978-969-8237-91-2.

Muhammad Jalal Arif, M. Dildar Gogi, **Muhammad Sufyan**, Ahmad Nawaz and Rana Muhammad Sarfraz (2017). Principles of Insect Pests Management In: Muhammad Jalal Arif (ed.), *Sustainable Insect Pest Management*, 17-48, pp. 370. MAS Computers, Press Market, Aminpur Bazar, Faisalabad, Pakistan. © University of Agriculture, Faisalabad, Pakistan 2017. ISBN 978-969-8237-91-2.

Ahmad Nawaz, Muhammad Dildar Gogi, **Muhammad Sufyan**, Muhammad Jalal Arif and Manuel Plantegenest (2017). Integrated Insect Pest Management Strategies for Major Vegetables Crops In: Muhammad Jalal Arif (ed.), *Sustainable Insect Pest Management*, 163-206, pp. 370. MAS Computers, Press Market, Aminpur Bazar, Faisalabad, Pakistan. © University of Agriculture, Faisalabad, Pakistan 2017. ISBN 978-969-8237-91-2.

Muhammad Dildar Gogi, Ahmad Nawaz, **Muhammad Sufyan**, Rana Muhammad Sarfraz and Oscar E. Liburd (2017). Biorational Approaches in Pest Management In: Muhammad Jalal Arif (ed.), Sustainable Insect Pest Management, 235-289, pp 370. MAS Computers, Press Market, Aminpur Bazar, Faisalabad, Pakistan. © University of Agriculture, Faisalabad, Pakistan 2017. ISBN 978-969-8237-91-2.

2016

Ahmad Nawaz, M. Dildar Gogi and **Muhammad Sufyan** (2016). Insect-pests in dryland agriculture and their integrated management In: M. Farooq, K.H.M. Siddique (eds.), Innovations in Dryland Agriculture, 143-186, pp 571. Springer International Publishing AG 2016. DOI 10.1007/978-3-319-47928-6_6.

ENGLISH/URDU ARTICLES

Dr. Muhammad Sufian, Dr. M. Jalal Arif, Dr. Shahid Majeed, and Yasir Iqbal 2023. Battling Silent Invader: Unmasking Parthenium Weed's Menace And Biocontrol Solutions October 2023, Daily Technology Times Islamabad.

Prof. Dr. M. Jalal Arif, Dr. M. Dildar Gogi, Dr. Abid Ali, Dr. M. Tayyab, Dr. Zain-ul-Abidin, Dr. M. Arshad, **Dr. M. Sufyan** and Dr. Jam Nazeer. 2021. Ghulabi sundi ka Tadaruk (Management of pink bollworm), Oct-Dec 2021. Zaraii Digest 56(4): 58-66, 2021.

Dr. M. Dildar Gogi, Prof. Dr. M. Jalal Arif, Dr. Ahmad Nawaz, Dr. Abid Ali, Dr. Zain-ul-Abidin, **Dr. M. Sufyan**, Dr. M. Tayyab, and M. Faizan Zafar. 2021. Dhaan kay nuqsaan deh kerray aur un ka Tadaruk (Rice pests and their management), Apr-Jun 2022. Zaraii Digest 57(2): 32-39, 2022.

Aamer Sohail, M. Waqas, **M. Sufian** and A. Arshad (2019). Climate change impacts on plant diseases. Technology Times. 21 March 2019. <https://www.technologytimes.pk/gcisc-intl-conference-climate-change/>

Dr. M. Sufyan, Muhammad Naeem Mushtaq (2017). Fruits, Vegetables have high risk of pesticide residue. The Business 30 October 2017. www.thebusiness.com.pk

A. Nawaz, **M. Sufyan**, M. Dildar Gogi, Asim Abassi and Asad Aslam (2017). Are Fruits and Vegetables in Pakistan high in Pesticide residue levels? Technology Times. 13 October 2017. <http://www.technologytimes.pk/are-fruits-and-vegetables-in-pakistan-high-in-pesticide-residue-levels/>

Asim Abassi, **M. Sufyan**, Iqra, M. Ibrahim Shahid and M. Ashfaq (2017). Transgenic plants and their effect on beneficial soil fauna. Technology Times. 18 August 2017. <http://www.technologytimes.pk/transgenic-plants-and-their-effect-on-beneficial-soil-fauna/>

Asim Abbasi, **Sufyan, M.**, Hasnain Sajjad, M. D. Gogi and A. Nawaz (2017). Silicon augmented resistance against plant stresses. Technology Times. 22 July 2017. <http://www.technologytimes.pk/silicon-augmented-resistance-against-plant-stresses/>

Sufyan, M., A. Abassi, M. D. Gogi and A. Nawaz (2016). Pollinator's decline; a threat to world food supply. Technology Times. 01-07 August, 07(30): 4pp. <http://technologytimes.pk/post.php?title=Pollinators+decline%3B+a+threat+to+world+food+supply>

Sufyan, M., M. Arshad and A. Nawaz (2015). Booming business prospects to curtail post-harvest losses. Technology Times. 08-14 June, 6(23): 4pp. <http://technologytimes.pk/post.php?id=7935>

Sufyan, M. and M.J. Arif (2014). Aquatic macro-invertebrate communities as biomonitors of water quality. Technology Times. 13-19 October, 5(41): 4pp. <http://technologytimes.pk/post.php?title=Aquatic+macro-invertebrate+communities+as+biomonitors+of+water+quality>

One urdu article entitles “**Sarsoon ki Iqtasadi ahmiat aur nuqsan deh hashraat ka tadaruk (Economic importance of Brassica and control of damaging pests)**” published in “Zarai Digest” issue July-September 2018.

One urdu article entitles “**Zarar Rasan Keeron Kay Hiatayti Insdad Main Khurdbeeni Jarsoomon Ka Istemal**” (Control of insect pests by using microscopic organisms) published in “Zarat Namma Lahore” issue May 2016.

One urdu article entitles “**Kinoo k keera: Nuqsanaat and Tadaruk (Insect pests of Citrus: Damage and management)**” published in “Zarai Digest” issue October-December 2015, January-March 2016.

One urdu article entitles “**Saib kay ham nuqsan deh hashraat aur un ka tadaruk (Important insect pests of apple and their control)**” published in “Zarai Digest” issue April-June 2014.

One urdu article entitles “**Aalu kay nuqsan deh hashrat aur un ka insdaad (Insect pests of potato and their control)**” published in “Zarai Digest” issue July-September 2014.

One urdu article entitles “**Phal ki makhi ki ahmiat and tadaruk (Importance of fruit fly and its management)**” published in “Zarai Digest” issue October-December 2014.

ABSTRACTS PUBLISHED

2021

Nida Akthar, **Muhammad Sufyan** et al., 2021. Quantification of insect pests and their natural enemies of sunflower crop, In: 1st International Conference on Science, Technology, Engineering, Mathematics, and Social Sciences (STEMS) A multi-disciplinary conference March 30-31, 2021, The Islamia University of Bahawalpur.

Mahnoor Nadeem, **Muhammad Sufyan** et al., 2021. Synchronization of insect pests and their natural enemies in sesame crop, In: 1st International Conference on Science, Technology, Engineering, Mathematics, and Social Sciences (STEMS) A multi-disciplinary conference March 30-31, 2021, The Islamia University of Bahawalpur.

2020

Umer Liaqat, **Muhammad Sufyan** et al., 2020. Population dynamics of pests and their natural enemies in sugarcane crop, 7-8 December 2020 In: 3rd International Conference on Applied Zoology-2020. Organized by The Applied Zoological Society of Pakistan, Quaid-i-Azam University of Islamabad, Pakistan & Government College University Faisalabad.

Muntaha Ilyas, **Muhammad Sufyan** et al., 2020. Effect of weeds and seed treatment on pests and their natural enemies in maize crop, 7-8 December 2020 In: 3rd International Conference on Applied Zoology-2020. Organized by The Applied Zoological Society of Pakistan, Quaid-i-Azam University of Islamabad, Pakistan & Government College University Faisalabad.

Kaleem Ullah, **Muhammad Sufyan** et al., 2020. Population dynamics and community structure of pests and their natural enemies in rice crop, 7-8 December 2020 In: 3rd International Conference on Applied Zoology-2020. Organized by The Applied Zoological Society of Pakistan, Quaid-i-Azam University of Islamabad, Pakistan & Government College University Faisalabad.

Khaliqa Minhas, **Muhammad Sufyan** et al., 2020. Evaluation of *Beauveria bassiana* and *Metarhizium anisopliae* in integration with new chemistry insecticide against red cotton bug (*Dysdercus koenigii*) (Fabricius), 7-8 December 2020 In: 3rd International Conference on Applied Zoology-2020. Organized by The Applied Zoological Society of Pakistan, Quaid-i-Azam University of Islamabad, Pakistan & Government College University Faisalabad.

Naeem Aftab, **M. Sufyan** et al., 2020. Integration of sex pheromones and pesticides for the management of spotted bollworm (Lepidoptera: Noctuidae), 10-12 March 2020 In: 40th Pakistan Congress of Zoology International, Sindh Agriculture University Tandojam.

Muhammad Umair, Muhammad Ahsan Khan, **Muhammad Sufyan** et al., 2020. Efficiency of pheromonal and electric traps against *Bactrocera zonata* (Tephritidae: Diptera) in mango orchards at district Khanewal, 10-12 March 2020 In: 40th Pakistan Congress of Zoology International, Sindh Agriculture University Tandojam.

2019

Muhammad Sufyan, Asim Abbasi, 2019. Silicon induced resistance in cotton against *Bemisia tabaci* (Homoptera: Aleyrodidae). 6th International Conference on Agriculture 2019 (AGRICO 2019) "Protective Farming and Sustainable Management" 22nd–23rd August 2019 in Bangkok, Thailand.

Ahmad Nawaz, Muhammad Dildar Gogi, **Muhammad Sufyan** et al., 2019. Identification of biochemical markers as a source of resistance in Okra, *Abelmoschus esculentus* against whitefly, *Bemisia tabaci* and its co-relation with environmental factors: in International Entomological Congress, 8-10 April 2019 in University of Agriculture Faisalabad.

Ahmad Nawaz, Muhammad Dildar Gogi, **Muhammad Sufyan** et al., 2019. In vivo and in vitro assessment of *Trichoderma* species and *Bacillus thuringiensis* integration to control insect pests of Brijal (*Solanum melongena* L.): in International Entomological Congress, 8-10 April 2019 in University of Agriculture Faisalabad.

Ahmed Nawaz, **Muhammad Sufyan** et al., 2019. Assessment of resistance variation in canola aphid against conventional and new chemistry aphicide: in International Entomological Congress, 8-10 April 2019 in University of Agriculture Faisalabad.

Aamer Sohail, **Muhammad Sufyan** et al. 2019. Monitoring of pink bollworm (*Pectinophora gossypiella* Saunders) population on cotton crop using sex pheromone traps: in International Entomological Congress, 8-10 April 2019 in University of Agriculture Faisalabad.

2018

Zain ul Abidin, Hoor Shaina, **Muhammad Sufyan**, Sohail Ahmed and Amer Jamil, 2018. Molecular analysis of the venom of parasitic Hymenoptera: An innovative approach for the development of novel plant protection strategies for sustainable insect control. 38th Pakistan Congress of Zoology (International), February 27 to March 1, 2018. Department of Zoology, University of the Punjab, Lahore.

2017

Muhammad Sufyan, Muhammad J. Arif, Muhammad Arshad, Usman Shoukat, Muhammad D. Gogi, Ahmad Nawaz, 2017. Impact of foliar formulations of macro and micro nutrients on the tritrophic associations of wheat aphid and entomophagous insects, 04(10): 2017. ICE 2017: 19th International conference on entomology, October 19-20, 2017. Paris, France.

Muhammad Sufyan, Asim Abbasi, Muhammad D. Gogi, Muhammad Arshad, Ahmad Nawaz, Muhammad Usman, 2017. Evaluation of neonicotinoids against sucking insect pests of cotton in laboratory and field conditions, 04(10): 2017. ICE 2017: 19th International conference on entomology, October 19-20, 2017. Paris, France.

Asim Abassi, **Muhammad Sufyan**, Iqra, Muhammad Ibrahim Shahid, Muhammad Ashfaq, 2017. Global climate change and insect pollinators. 11(11): 2017. ICSAPPT 2017: 19th International conference on sustainable agriculture and plant protection technologies, November 29-30, 2017. Melbourne Australia.

Asim Abassi, **Muhammad Sufyan**, 2017. Effect of silicon on tritrophic interaction of cotton, whitefly and *Chrysoperla carnea*, 11(10): 2017. ICE 2017: 19th International conference on entomology, October 19-20, 2017. Paris, France.

Asim Abassi, **Muhammad Sufyan**, Muhammad Kamran, Iqra, 2017. A review on silicon based induced resistance in plants against insect pests, 11(12): 2017. ICAEPP 2017: 19th International conference on agricultural entomology and plant pathology, December 11-12, 2017. Rome, Italy.

Asim Abassi, **Muhammad Sufyan**, Iqra, Hafiza Javeria Ashraf, 2017. A review on biological control of mosquito vectors, 11(12): 2017. ICEPP 2017: 19th International conference on entomology and plant pathology, December 18-19, 2017. Bangkok, Thailand.

Asim Abassi, Amir Habib, Sajid Husain, **Muhammad Sufyan**, Iqra, Hasnain Sajjad, 2017. Varietal screening of watermelon against powdery mildew disease and its management, 11(12): 2017. ICEPP 2017: 19th International conference on entomology and plant pathology, December 18-19, 2017. Bangkok, Thailand.

Hafiza Javeria Ashraf, Asim Abassi, Muhammad Hussnain Babar, **Muhammad Sufyan**, Iqra, 2017. Efficacy of different plant extracts against *Brevicoryne brassicae* and their effects on pollinators, 11(12): 2017. ICAEPM 2017: 19th International conference on agricultural entomology and plant pathology, December 18-19, 2017. San Diego, USA.

2016

Muhammad Sufyan, M. Dildar Gogi, Ahmad Nawaz, M. Jalal Arif, Shahid Majeed, 2016. "Comparative efficacy of granular and new chemistry insecticides against *Chilo partellus* Swinhoe and their effect against natural enemies in maize. XXV International Congress of Entomology 2016 Orlando, Florida, USA.

Ahmad Nawaz, Muhammad Arif, Muhammad Dildar Gogi, **Muhammad Sufyan**, Fatima Mustafa, Sana Shokat, Imran Khan and Muhammad Binyameen 2016. Invitro assessment of food consumption, utilization indices, and losses promises of leafworms, *Spodoptera litura* (Fab.) on okra. XXV International Congress of Entomology 2016 Orlando, Florida, USA.

Muhammad Jalal Arif, Muhammad Dildar Gogi, Ahmad Nawaz, **Muhammad Sufyan**, and Amjad majeed Pasha 2016. Impact of male density and food sources on the progeny development of cotton mealybug *Phenacoccus solenopsis* (Hemiptera: Pseudococcidae). XXV International Congress of Entomology 2016 Orlando, Florida, USA.

Muhammad Dildar Gogi, Mubashar Iqbal, Muhammad Jalal Arif, Muhammad Ahsan Khan, **Muhammad Sufyan**, Ahmad Nawaz, and Muhammad Arshad 2016. Synergistic impact of Diver® on toxicity of some neonicotinoids against cotton mealybug *Phenacoccus solenopsis* (Hemiptera: Pseudococcidae), under laboratory conditions. XXV International Congress of Entomology 2016 Orlando, Florida, USA.

Sufyan M., A. Nawaz, M.J. Arif, M.D. Gogi, M. Arshad and S. Majeed, 2016. Impact of macro and micro nutrients on the tri-trophic interaction of Wheat aphid (*Sitobion avenae*) and entomophagous insects. International Conference on Agriculture and Environment (ICAE 2016), Kuala Lumpur, Malaysia on May 25th to 27th, 2016.

Muhammad Dildar Gogi, Muhammad Jalal Arif, Ahmad Nawaz, **Muhammad Sufyan**, Rashad Rasool Khan, Muhammad Ahsan Khan, Muhammad Arshad, Abid Ali and Ghulam Abbas, 2016. Assessment of Carryover, losses and IGRs for dusky cotton bug: A growing threat to cotton in cotton belt of Punjab Pakistan. International entomological congress with one exclusive day on pink bollworm, University of Agriculture Faisalabad (UAF) from December 16-18, 2016.

Ahmad Nawaz, **Muhammad Sufyan**, Muhammad Jalal Arif, Muhammad Dildar Gogi, Anne Leralec and Manuel Plantegenest, 2016. Food resources, host availability and insecticide impact on the fecundity, longevity and parasitism efficiency of cabbage aphid parasitoid *Diaertiella rapae* (M'Intosh) (Hymenoptera: Braconidae: Aphidiinae). International entomological congress with one exclusive day on pink bollworm, University of Agriculture Faisalabad (UAF) from December 16-18, 2016.

Ahmad Nawaz, Muhammad Jalal Arif, Muhammad Dildar Gogi, **Muhammad Sufyan**, Tariq Mustafa, Muhammad Imran and Muhammad Binyameen, 2016. Loss assessment in major field crops and comparison of management strategies against insect pests in changing climate. International entomological congress with one exclusive day on pink bollworm, University of Agriculture Faisalabad (UAF) from December 16-18, 2016.

Ahmad Nawaz, Muhammad Jalal Arif, Muhammad Dildar Gogi, **Muhammad Sufian** and Sana Shoukat, 2016. Assessment of food consumption, utilization indices and loss promises of leafworm, *Spodoptera litura* (FAB.) on okra. International entomological congress with one exclusive day on pink bollworm, University of Agriculture Faisalabad (UAF) from December 16-18, 2016.

Nawaz A., **M. Sufyan**, M.J. Arif, M.D. Gogi, M. Binyameen and M. Arshad, 2016. Analysis of food resources, host availability and insecticides impact on the fecundity, longevity and parasitism efficiency of *Diaertiella rapae* (M'intosh). International Conference on Agriculture and Environment (ICAE 2016), Kuala Lumpur, Malaysia on May 25th to 27th, 2016.

Nawaz A., **M. Sufyan**, M.J. Arif, M.D. Gogi, M. Binyameen and I. Khan, 2016. Assessment of Density-dependent and Instar-specific Production Losses by *Spodoptera litura* (fab.) and Compensating Potential of Tomato (*Lycopersicon esculentum* L.). International Conference on Agriculture and Environment (ICAE 2016), Kuala Lumpur, Malaysia on May 25th to 27th, 2016.

Nawaz A., M.J. Arif, M.D. Gogi, **M. Sufyan**, M.A. Qayyum, M. Saeed and S. Mehmood, 2016. Seasonal Population Dynamics of Different Insect Pests and Qualitative/Quantitative Loss Assessment in Different Cabbage (Brassica Oleracea) Production Systems. International Conference on Agriculture and Environment (ICAE 2016), Kuala Lumpur, Malaysia on May 25th to 27th, 2016.

Nawaz A., M.D. Gogi, M.J. Arif, **M. Sufyan**, M.A. Khan, M. Arshad and S. Majeed, 2016. Invitro Study for the Assessment of Food Consumption, Utilization Indices and Loss Promises of

Leafworm, *Spodoptera litura* (fab.), on Okra. International Conference on Agriculture and Environment (ICAE 2016), Kuala Lumpur, Malaysia on May 25th to 27th, 2016.

Nawaz A., M.D. Gogi, M.J. Arif, **M. Sufyan**, M.A. Khan and M. Arshad, 2016. Loss Assessment and Management Strategies in Major Field Crops in Changing Climate of Pakistan. International Conference on Agriculture and Environment (ICAE 2016), Kuala Lumpur, Malaysia on May 25th to 27th, 2016.

Gogi, M.D., M.J. Arif, Z.A. Zahir, A. Nawaz, **M. Sufyan** and M. Arshad, 2016. Impact of Biofertilizer Application on Incidence of Insect Pests and Yield Parameters of Chickpea. International Conference on Agriculture and Environment (ICAE 2016), Kuala Lumpur, Malaysia on May 25th to 27th, 2016.

Gogi, M.D., M.J. Arif, A. Nawaz, **M. Sufyan**, M.A. Khan and M. Arshad, 2016. Evaluation of an Insecticides Free Integrated Pest Management Technology for the Suppression of *Bactrocera cucurbitae* in Bitter Gourd Crop. International Conference on Agriculture and Environment (ICAE 2016), Kuala Lumpur, Malaysia on May 25th to 27th, 2016.

M. Sufyan, M.J. Arif, M.D. Gogi, A. Nawaz, T. Nazir, 2016. Assessment of new insecticides on tri-trophic interaction of Bt-cotton sucking insect pests and their natural enemies. AgroVet Conference 2016 organized by Agro-Vet Forum Pakistan at Khayyam Baquet Hall, Sargodha Road, Faisalabad (Pakistan) on April 24, 2016.

M. Sufyan, M.J. Arif, M.D. Gogi, A. Nawaz, 2016. Development of *Coccinella septempunctata* L. (Coleoptera: Coccinellidae) raised on wheat and canola aphids. AgroVet Conference 2016 organized by Agro-Vet Forum Pakistan at Khayyam Baquet Hall, Sargodha Road, Faisalabad (Pakistan) on April 24, 2016.

M. Sufyan, M.J. Arif, M.D. Gogi, A. Nawaz, 2016. Laboratory bioassay for determining the contact toxicity of some new insecticide formulations against *Bactocera zonata* (Saunders) (Diptera: Tephritidae). AgroVet Conference 2016 organized by Agro-Vet Forum Pakistan at Khayyam Baquet Hall, Sargodha Road, Faisalabad (Pakistan) on April 24, 2016.

Nawaz A., **M. Sufyan**, M.D. Gogi, M.J. Arif, A. Ali, U. Shoukat, M. Binyameen, M. Shahid, 2016. Impact of different macro and micro nutrients on the tritrophic association of wheat aphid (*Diuraphis noxia* kurdjumov) and entomophagous insects. AgroVet Conference 2016 organized by Agro-Vet Forum Pakistan at Khayyam Baquet Hall, Sargodha Road, Faisalabad (Pakistan) on April 24, 2016.

Nawaz A., M.D. Gogi, **M. Sufyan**, M.J. Arif, A. Ali, B. Ahmad, M. Arshad and M. Ahsan, 2016. Sucking insect pest complex and associated natural enemies' management studies in Bt cotton by using new formulations of some neonicotinoids and insect growth regulators (IGRs). AgroVet Conference 2016 organized by Agro-Vet Forum Pakistan at Khayyam Baquet Hall, Sargodha Road, Faisalabad (Pakistan) on April 24, 2016.

Gogi, M.D., F. Mustafa, M.J. Arif, A. Nawaz, **M. Sufyan**, A. Ali and S. Shoukat, 2016. Comparison of feeding potential, food utilization and losses promises of some larval instars of *Spodoptera litura* (Fab.) on okra. AgroVet Conference 2016 organized by Agro-Vet Forum Pakistan at Khayyam Baquet Hall, Sargodha Road, Faisalabad (Pakistan) on April 24, 2016.

Gogi, M.D., M.J. Arif, A. Nawaz, **M. Sufyan**, M.A. Khan, A. Ali and M. Mehmood, 2016. Loss assessment and evaluation of antixenotic resistance in different cultivars of bitter melon

fruit flies. AgroVet Conference 2016 organized by Agro-Vet Forum Pakistan at Khayyam Baquet Hall, Sargodha Road, Faisalabad (Pakistan) on April 24, 2016.

Gogi, M.D., M.J. Arif, A. Nawaz, **M. Sufyan**, M.A. Khan, A. Ali and G. Ali, 2016. Impact of integrated of reduced-risk insecticides and colored refraction sheets on the incidence of melon fruit fly and yield of bitter gourd. AgroVet Conference 2016 organized by Agro-Vet Forum Pakistan at Khayyam Baquet Hall, Sargodha Road, Faisalabad (Pakistan) on April 24, 2016.

Arif, M.J., A. Ali, Gogi, M.D., A. Nawaz, **M. Sufyan**, and A. A. Khan, 2016. Invitro evaluation of feeding and assimilation of army worm at various larval instars. AgroVet Conference 2016 organized by Agro-Vet Forum Pakistan at Khayyam Baquet Hall, Sargodha Road, Faisalabad (Pakistan) on April 24, 2016.

Arif, M.J., A. Ali, Gogi, M.D., A. Nawaz, **M. Sufyan**, A. Ali and M. Saeed. 2016. Population dynamics of insect pests and their natural enemies in different cabbage production systems. AgroVet Conference 2016 organized by Agro-Vet Forum Pakistan at Khayyam Baquet Hall, Sargodha Road, Faisalabad (Pakistan) on April 24, 2016.

2015

Sufian, M., A. Abbasi, M.D. Gogi, M. Arshad, A. Nawaz and Shahid Majeed, 2015. Biocontrol potential of *Beauveria bassiana* and *Bacillus thuringiensis* against *Chilo partellus* Swinhoe (Lepidoptera: Pyralidae). 5th International/10th National Conference of Pakistan Phytopathological Society on Crop Protection for Sustainable Agriculture, held on November 23-25, 2015 at Punjab University of Lahore Pakistan. 185 p.

Sufian, M., M.J. Arif, M.D. Gogi, M. Arshad, A. Nawaz, S. Majeed and A. Anwar 2015. Diversity and Infestation of fruit fly (Diptera: Tephritidae) species in guava orchards. 5th International/10th National Conference of Pakistan Phytopathological Society on Crop Protection for Sustainable Agriculture, held on November 23-25, 2015 at Punjab University of Lahore Pakistan. 187 p.

Muhammad Ahsan Khan, Ghulam Abbas, Muhammad Hamid Bashir and **Muhammad Sufyan** 2015. Role of morphological and biochemical characters of okra imparting resistance against jassid and aphid. 5th International/10th National Conference of Pakistan Phytopathological Society on Crop Protection for Sustainable Agriculture, held on November 23-25, 2015 at Punjab University of Lahore Pakistan. 187 p.

2014

Muhammad Sufyan, Muhammad Jalal Arif, Muhammad Dildar Gogi, Muhammad Arshad, Ahmad Nawaz, Fatima Mustafa, 2014. Population dynamics of wheat aphids and their natural enemies associated with strip-intercropping in wheat crop. Agriculture, Food security and Climate Change", 5th International Conference organized by University of Poonch Rawalakot and Pakistan Agricultural Scientist Forum from September 9-11, 2014.184p.

Muhammad Sufyan, Muhammad Jalal Arif, Muhammad Dildar Gogi, Muhammad Arshad, Fatima Mustafa, Ahmad Nawaz, 2014. Loss assessment due to insect pests in cotton, maize, rice and sugarcane. Agriculture, Food security and Climate Change", 5th International Conference organized by University of Poonch Rawalakot and Pakistan Agricultural Scientist Forum from September 9-11, 2014.184p.

Ahmad Nawaz, Muhammad Jalal Arif, Muhammad Dildar Gogi, Fatima Mustafa, **Muhammad Sufyan**, 2014. Impact of food resources, host availability and pesticides on the efficacy of aphid

parasitoid, *Diaeretiella rape* (M' Intosh) (Hymenoptera: Braconidae: Aphidiinae). Agriculture, Food security and Climate Change", 5th International Conference organized by University of Poonch Rawalakot and Pakistan Agricultural Scientist Forum from September 9-11, 2014.185p.

Abdul Sattar, Muhammad Arshad, Waqas Wakil, Khuram Zia, Rashad Rasool Khan, Muhammad Jawad Saleem Muhammad Dildar Gogi, **Muhammad Sufyan**, 2014. Characteristics of two Bt and one non-BT cotton varieties and their impact on the population dynamics of spotted boll worms, *Earias* spp. Agriculture, Food security and Climate Change", 5th International Conference organized by University of Poonch Rawalakot and Pakistan Agricultural Scientist Forum from September 9-11, 2014.175p.

Muhammad Dildar Gogi, Muhammad Jalal Arif, Gohar Ali, Muhammad Arshad, Muhammad Ahsan Khan, Ahmad Nawaz, **Muhammad Sufyan**, Fatima Mustafa, 2014. Impact of integration of reduced-risk insecticides and colored refraction sheets on the incidence of melon fruit fly and yield of bitter melon. Agriculture, Food security and Climate Change", 5th International Conference organized by University of Poonch Rawalakot and Pakistan Agricultural Scientist Forum from September 9-11, 2014. 176-177.

Muhammad Noor-ul-Ane, Muhammad Jalal Arif, Muhammad Dildar Gogi, Muhammad Aslam Khan, Fatima Mustafa, Ahmad Nawaz, **Muhammad Sufyan**, Asif Sajjad, M. Ishtiaq, 2014. Determination of thermal threshold and thermal requirement of *Helicoverpa Armigera* (humber) (Lepidoptera: Noctuidae) under constant temperatures. Agriculture, Food security and Climate Change", 5th International Conference organized by University of Poonch Rawalakot and Pakistan Agricultural Scientist Forum from September 9-11, 2014.186p.

Muhammad Jalal Arif, Muhammad Dildar Gogi, Ahmad Nawaz, Fatima Mustafa, **Muhammad Sufyan**, 2014. Assessment of losses caused by insect pests in summer and winter vegetable crops. Agriculture, Food security and Climate Change", 5th International Conference organized by University of Poonch Rawalakot and Pakistan Agricultural Scientist Forum from September 9-11, 2014.184p.

Muhammad Jalal Arif, Muhammad Dildar Gogi, Ahmad Nawaz, Fatima Mustafa, **Muhammad Sufyan**, 2014. Laboratory assessment of toxicity of some biorational IGRs on various biological parameters of guava fruit fly (*B. Correcta*). Agriculture, Food security and Climate Change", 5th International Conference organized by University of Poonch Rawalakot and Pakistan Agricultural Scientist Forum from September 9-11, 2014.190p.

Fatima Mustafa, Muhammad Jalal Arif, Muhammad Dildar Gogi, Ahmad Nawaz, **Muhammad Sufyan**, 2014. Efficacy of different formulations of insect growth regulators (IGRS) against maize stem borer (*Chilo partellus* Swinhoe). Agriculture, Food security and Climate Change", 5th International Conference organized by University of Poonch Rawalakot and Pakistan Agricultural Scientist Forum from September 9-11, 2014.193p.

Muhammad Jawad Salem, Muhammad Arshad, Muhammad Dildar Gogi, Rashad Rasool Khan, Zain ul Abidin, **Muhammad Sufyan**, 2014. Impact of transgenic Bt cotton against sucking insect pest community. Agriculture, Food security and Climate Change", 5th International Conference organized by University of Poonch Rawalakot and Pakistan Agricultural Scientist Forum from September 9-11, 2014. 196 pp.

TRAININGS, CONFERENCES, SYMPOSIUMS AND WORKSHOPS

2019

Participated in the Hands on Training and Workshop on Mosquitoes & Mosquito-borne diseases held on June 19, 2019 organized by Department of Parasitology CAS UAF and PARB.

Participated in the “International entomological congress-2019 conversing emerging entomological challenges and their solutions” under Pakistan Entomological Society and Department of Entomology University of Agriculture Faisalabad (UAF) from April 08-10, 2019.

Participated in the Biosafety Measures in Agriculture: Issues and Options held on March 19-20, 2019 organized by ORIC UAF and PARB.

2017

Participated in the “One Day Training Workshop On Biological Control” organized by Department of Entomology University of Agriculture Faisalabad (UAF) on September 16, 2017.

Nominated and participated in the International workshop entitled “Beans with benefits potential & limitations for mungbean production” under ORIC at university of agriculture Faisalabad (UAF) from August 08-10, 2017.

Nominated and participated in the three days Training program entitled “An Introduction to LATEX UAF Synopsis & Thesis” under U.S.-Pakistan Center for advanced Studies in Agriculture and Food Security at university of agriculture Faisalabad (UAF) from July 26-28, 2017.

Nominated and participated in the training entitled “Advanced Isolation and Quarantine Response Strategies for a Biological Disease Outbreak Training Program” under the Center for Agriculture and Food Security Preparedness by the University of Tennessee Institute of Agriculture College of Veterinary Medicine USA in Bangkok Thailand from May 22-25, 2017.

Participated in the Training entitled “Role of IPM & ICM in Crop Protection” under the project ‘Capacity Building of Agriculture Scientists’ in collaboration with Govt. of Baluchistan from May 08-17, 2017 in the University of Agriculture Faisalabad (UAF).

Participated in the “1st International Conference on Climate Change & Biodiversity (IC³B-2017) at the Islamia University of Bahawalpur, Pakistan organized by Cholistan Institute of Desert Studies (CIDS) on 2-4-May, 2017.

2016

Participated in the conference entitled “International entomological congress with one exclusive day on pink bollworm” under Pakistan Entomological Society and Department of Entomology University of Agriculture Faisalabad (UAF) from December 16-18, 2016.

Nominated and participated in the Hands on Training entitled “Basic Principles of Pesticides Risk Assessment for Pollinators” organized by Department of Entomology University of Agriculture Faisalabad (UAF) on December 09, 2016.

Nominated and participated in the conference entitled “National conference on sustainable management & control of fruit fly infestation” under U.S.-Pakistan Center for advanced Studies in Agriculture and Food Security at university of agriculture Faisalabad (UAF) from November 23-24, 2016.

Nominated and participated in the Seed Training Workshop entitled “Dry Chain Technology for Reducing Post Harvest Losses of Seeds & Grains” under U.S.-Pakistan Center for advanced Studies

in Agriculture and Food Security at university of agriculture Faisalabad (UAF) on November 23, 2016.

Nominated and participated in the workshop entitled “Hybrid course design & development” under U.S.-Pakistan Center for advanced Studies in Agriculture and Food Security at university of agriculture Faisalabad (UAF) from October 18-21, 2016.

Nominated and participated in the Symposium entitled “National one-day symposium on one-health” under U.S.-Pakistan Center for advanced Studies in Agriculture and Food Security at university of agriculture Faisalabad (UAF) on August 08, 2016.

Nominated and participated in the training entitled “National Grant writing workshop” under U.S.-Pakistan Center for advanced Studies in Agriculture and Food Security at university of agriculture Faisalabad (UAF) from April 6-7, 2016.

2015

Nominated and participated in the international workshop entitled “Climate Change Resilient Agriculture Systems” under U.S.-Pakistan Center for advanced Studies in Agriculture and Food Security at university of agriculture Faisalabad (UAF) from November 30- December 4, 2015.

Nominated and participated in the workshop entitled “Applications of Bioinformatics in Genomics” under U.S.-Pakistan Center for advanced Studies in Agriculture and Food Security at university of agriculture Faisalabad (UAF) from September 16-17, 2015.

2014

Nominated and participated in the National Workshop on “Sustainable and Integrated Management of Insect Pests and Diseases of Crops” Nuclear Institute for Agriculture and Biology (NIAB), Faisalabad, Pakistan. September 23-25, 2014.

Nominated and participated in the workshop entitled “Workshop on Grant Writing” at University of Agriculture Faisalabad (UAF) on September 12, 2014.

Participated in the “5th International Conference on Agriculture, Food Security and Climate change” organized by University of Poonch Rawalakot and Pakistan Agricultural Scientist Forum from September 9-11, 2014 at University of Poonch Rawalakot, Pakistan.

Nominated and participated in the workshop entitled “HND Curriculum Review Workshop” organized by national institute of food science & technology and Endowment fund secretariat (EFS) at University of Agriculture Faisalabad (UAF) on April 09, 2014.

The Ticks and Tick-Borne Diseases, A Symposium held on March 15, 2014 at Molecular Parasitology Laboratory, Department of Parasitology, University of Agriculture Faisalabad.

2008

Cultivate the Future Based on Science, A Scientific Conference of the International Society of Organic Agriculture Research (ISO FAR), held at the 16th International Federation of Organic Agriculture Movements (IFOAM), Organic World Congress from 18-20 June 2008 in Modena, Italy.

2006

Insect pathogens and Insect Parasitic Nematodes, Integrated Control of Soil Insect Pests. International Organization for Biological and Integrated Control of Noxious Animals and Plants,

West Palearctic Regional Section (IOBC/WPRS), Conference held from 16-18 October 2006 at Ora, Italy.

2004

International Conference on Agricultural Research for Development “Deutscher Tropentag” held on 5-7 October 2004, Agricultural and Horticultural Faculty, Humboldt-Universität zu Berlin.