DR SAAD JAN

OBJECTIVE

Looking forward to join a progressive organization where I can pursue a successful career by utilizing my skills, abilities and experience to the maximum extent with full potential. Being a professional, I feel confident that I can achieve level performance, which is nothing short to perfection.

BASIC INFORMATION

FATHER NAME:	Fakhr Uz Zaman
CNIC:	17301-7047293-5
NATIONATILTY:	Pakistani
GENDER:	Male
D.O.B	10 Sep, 1985
DOMACILE:	Peshawar
RELEGION	Islam
Marital Status:	Married

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OTHER CONTACT

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EDUCATION

PhD. (Agri-entomology & insect control):
Session: (September 2014-December 28th 2017)
Huazhong Agricultural University Wuhan China

MSc. (Agriculture (Entomology):
From University of Agriculture Peshawar in 2011

BSc. (Agriculture **(Entomology):**
From University of Agriculture Peshawar in 2008

HSSC:
From BISE Peshawar in 2003.

SSC (Science):
From BISE Peshawar in 2001.

EXPERIENCE:

- Working as Assistant Professor Bacha khan University charsadda department of agriculture entomology specialization since May 2018.
- Supervise M.Sc.(Hons) Students.
- Worked as R&D coordinator khyber Pakhtunkhwa in Evyoulgroup Pakistan from October 2008- September 2014.
- One year teaching experience under National internship program in Agricultural university entomology department.
- Technical writing and Statistical data analysis through Statistix 8.1, SPSS, MStat C, and Microsoft excel DNAMAN, Bio-Edit, Clustal-X, Mega-7.

TECHNIQUES:

- DNA & RNA extraction
- Conventional PCR
- Quantitative Real-Time PCR
- Cloning
- *In vitro* transcription
- *RNAi gene function identification*

AWARDS

- All Pakistan best R&D manager award (Kanzo Ag) session 2011-2012.
- Chinese Scholarship council (CSC).
- Win Start up grant with title of Mechanism and Detection of Insecticide Resistance in mosquito's and their adverse effect on environment and biological control Project # 2227 during IPFP.

EXTRA CURRICULUM

- Executive member: Blood Donor Society and Agriculture Anti Narcotics Society (AANS) 2004-2009.
- Founder and head of an organization for Plantation and Protection of Trees in Cities (PAPOTIC), driven through volunteer participation for tree plantation in Peshawar, Dir Lower, Bannu and Islamabad (Est: 2005).
- Hobbies: Reading, travelling, studying human behaviours and different cultures, tree plantation and gardening.

Student Supervised

Thesis titles

1. BIO EFFICACY OF VARIOUS INDIGENOUS PLANTS' EXTRACTS AGAINST *Culex quinquefasciatus.*
2. DETECTION OF INSECTICIDE RESISTANCE IN MOSQUITO, THEIR ADVERSE EFFECT ON ENVIROMENT AND BIOLOGICAL CONTROL.
3. EFFECTS OF THREE PLANTS EXTRACTS AND SYNTHETIC INSECTICIDE ON SUCKING INSECT PEST AND THEIR RESPONSE ON TWO OKRA VARIETIES.
4. STUDIES ON COMPARITIVE EFFICACY OF DIFFERENT SYNTHETIC AND SELECTED PLANT EXTRACTS AGAINST CHILLI THRIPS.
5. EFFECT OF LARVAL DNSITY AND FOOD CONCENTRATION ON LARVAL DEVELOPMENT AND SEXUAL DIMORPHISM OF AEDES AEGYPTI UNDER LABORTARY CONDITIONS.
6. INTEGRATED PEST MANAGEMENT AND ITS EFFECTS IN THE CONTEXT OF FRUIT QUALITY AND YIELD PRODUCTION IN OKRA CROP VARIETIES

MASTER THESIS TITLE: Efficacy of a parasitoid and synthetic insecticide against Woolly apple aphid, *Eriosoma lanigerum* (Hausmann) (Homoptera: *Pemphigidae*) on apple at Skardu-Baltistan.

PH.D. THESIS TITLE: Isolation and characterization of cuticle protein gene and their differential functional identification in beet armyworm *Spodopteraexigua.*

(Win Project as PI Completed)

Project Title: Mechanism and Detection of Insecticide Resistance in mosquitos and their adverse effect on environment and biological control. **(Project number HEC/SRGP#2227)**

(Amount Pakistan Rupess 447000)

List of Publications

First author (Publication)

1).**Saad jan*,** Sisi Liu, Muhammad Hafeez, Xiangmei Zhang, Farman Ullah Dawar, Jiyun Guo, Chao Gao, Mo Wang: Isolation and functional identification of three cuticle protein genes during metamorphosis of the beet armyworm, Spodoptera exigua. Scientific Reports 12/2017; 7(1)., DOI:10.1038/s41598-017-16435-w. (**Impact factor: 4.6)**

2).**Saad Jan*,** Chunyu Li, Sisi Liu, Xiangyang Liu, Fuxing Zhu, Muhammad Hafeez, Mo Wang: Microscopic cuticle structure comparison of pupal melanic and wild strain of Spodoptera exigua and their gene expression profiles in three time points. Microbial Pathogenesis 11/2017; 114., DOI:10.1016/j.micpath.2017.11.051. **(Impact factor: 3.84)**

3).**Saad Jan***: Efficacy of a parasitoid and synthetic insecticide against Woolly apple aphid, Eriosoma lanigerum (Hausmann) (Homoptera: Pemphigidae) on apple at Skardu-Baltistan. JOURNAL OF ENTOMOLOGY AND ZOOLOGY STUDIES 09/2015;

Corresponding Author (Publication)

4). Muhammad Hafeez, **Saad Jan***, Muhammad Nawaz, Ehsan Ali, Bahar Ali, Muhammad Qasim, G. Mandela Fernández-Grandon, Muhammad Shahid, Mo Wang: Sub-lethal effects of lufenuron exposure on spotted bollworm Earias vittella (Fab): key biological traits and detoxification enzymes activity. Environmental Science and Pollution Research 03/2019; 26(14):14300-14312., DOI:10.1007/s11356-019-04655-8. **(Impact factor: 5.19)**

5). Jalal, Ranra, Zahid Hussain, **Jan Saad***, Iftikhar Ahmad, Hamza Iftikhar, Muhammad Ilyas, Aizaz Ali Shah, Riaz Hussain, Syed Majid Rasheed, and Ali Tauseef. "ALLELOPATHIC EFFECT OF AQUEOUS EXTRACTS OF WEEDS ON MEDICINAL PLANTS." Pakistan Journal of Weed Science Research 28, no. 4 (2022): 383.

6). Khan, Rahamdad, **Saad Jan***, Roohul Amin, Abuzar Shoukat, Abbas Khan, Muhammad Shabir Akbar, Tauseef Ali, Osama Younas, and Syed Majid Rasheed. "IMPACT OF ATRAZINE AND BROMOXYNIL ON THE COLONY FORMING UNITS (CFU) OF SOIL BACTERIA." Agricultural Sciences Journal 5, no. 2 (2023): 1-7.

Second Co-author Publications

7).Muhammad Hafeez, Muhammad Qasim, Sajjad Ali, Hafiz Kamran Yousaf, Muhammad Waqas, Ehsan Ali, Muhammad Afaq Ahmad, **Saad Jan***, Muhammad Amjad Bashir, Ali Noman, Mo Wang, Hamed A. Gharmh, Khalid Ali Khan: Expression and functional analysis of P450 gene induced tolerance/resistance to

lambda-cyhalothrin in quercetin fed larvae of beet armyworm Spodoptera exigua (Hübner). Saudi Journal of Biological Sciences 05/2019;, DOI:10.1016/j.sjbs.2019.05.005 **(Impact factor: 4.052)**

8).Muhammad Hafeez, Sisi Liu, Saad Jan*, Le Shi, G. Mandela Fernández- Grandon, Asim Gulzar, Bahar Ali, Muzammal Rehman, Mo Wang: Knock-Down of Gossypol-Inducing Cytochrome P450 Genes Reduced Deltamethrin Sensitivity in Spodoptera exigua (Hübner). International Journal of Molecular Sciences 05/2019; 20(9):2248., DOI:10.3390/ijms20092248. **(Impact factor: 5.6)**

9).Muhammad Hafeez, Sisi Liu, **Saad Jan***, Asim Gulzar, G. Mandela Fernández-Grandon, Muhammad Qasim, Khalid Ali Khan, Bahar Ali, Seifu Juneidi Kedir, Muhammad Fahad, Mo Wang: Enhanced effects of dietary tannic acid with chlorantraniliprole on life table parameters and nutritional physiology of Spodoptera exigua (Hübner). Pesticide Biochemistry and Physiology 01/2019; 153., DOI:10.1016/j.pestbp.2019.01.012 **(Impact factor: 4.9)**

10).Muhammad Hafeez, Liu Sisi, **Saad Jan***, Bahar Ali, Muhammad Shahid, G. Mandela Fernández-Grandon, Muhammad Nawaz, Aqeel Ahmad, Mo Wang: Gossypol-induced fitness gain and increased resistance to deltamethrin in beet armyworm, Spodoptera exigua (Hübner). Pest Management Science 08/2018;, DOI:10.1002/ps.5165 **(Impact factor: 4.46)**

11).Xiangmei Zhang, Zhangqian Wang, **Saad Jan***, Qian Yang, Mo Wang: Expression and functional analysis of the lysine decarboxylase and copper amine oxidase genes from the endophytic fungus Colletotrichum gloeosporioides ES026. Scientific Reports 06/2017; 7(1)., DOI:10.1038/s41598-017-02834-6 **(Impact factor: 4.6)**

12).Shakeel Ahmad Anjum, Mohsin Tanveer, Saddam Hussain, Babar Shahzad, Umair Ashraf, Shah Fahad, Waseem Hassan, **Saad Jan*,** Muhammad Farrukh Saleem, Imran Khan, Ali Ahsan Bajwa, Longchang Wang, Aqib Mehmood, Rana Abdul Samad, Shahbaz Atta Tung: Osmoregulation and antioxidant production in maize under combined cadmium and arsenic stress. Environmental Science and Pollution Research 02/2016; 23(12)., DOI:10.1007/s11356-016-6382-1 **(Impact factor: 5.19)**

13).Qasim, M., Islam, S.U., Islam, W., Noman, A., Khan, K.A., Hafeez, M., Hussain, D., Dash, C.K., Bamisile, B.S., Akutse, K.S. and Rizwan, M., **Jan, Saad**. 2020. Characterization of mycotoxins from entomopathogenic fungi (Cordyceps fumosorosea) and their toxic effects to the development of asian citrus psyllid reared on healthy and diseased citrus plants. Toxicon, 188, pp.39-47. **(Impact factor: 3.06)**

14).Rehman, Naveed Ur, Xi Li, Peichun Zeng, Shaoying Guo, **Saad Jan**, Yunfeng Liu, Yifeng Huang, and Qingjun Xie."Harmony but Not Uniformity: Role of Strigolactone in Plants." Biomolecules 11, no. 11 (2021): 1616 **(Impact factor: 6.06)**

15).Wang, Y., Yu, Y., Duan, Y., Wang, Q., Cong, X., He, Y., Gao, C.Hafeez, M., **Jan, Saad**.,Rasheed, S.M. and Cheng, S.,2022. Enhancing the Activity of Carboxymethyl Cellulase Enzyme Using Highly Stable Selenium Nanoparticles Biosynthesized by Bacillus paralicheniformis Y4. Molecules, 27(14), p.4585. **(Impact factor: 4.92)**

Referees

References # 1

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