

# CURRICULUM VITAE



1. **Name:** Dr. Muhammad Sagheer
2. **Father's Name** Muhammad Sharif
3. **Marital Status:** Married
4. **Nationality:** Pakistani
5. **Domicile:** Faisalabad
6. **Date of Birth:** 03-05-1978
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## 12. EDUCATION QUALIFICATIONS:

DEGREE/ CERTIFICATE	YEAR	DIVISION	PERCENTAGE	BOARD/ UNIVERSITY
Ph. D.	2009			University of Agriculture, Faisalabad
M.Sc. (Hons) Agri. Entomology	2003	1st	80 %	University of Agriculture, Faisalabad
B. Sc. (Hons.) Agriculture	2001	1st	75 %	University of Agriculture, Faisalabad
F. Sc. (Pre-medical)	1997	1st	68%	BISE, Faisalabad
Matriculation	1994	1st	82%	BISE, Faisalabad

## 13. RESEARCH INTERESTS

- IPM OF STORED CEREALS, PULSES AND THEIR PRODUCTS
- BIOLOGICAL CONTROL OF STORED PRODUCT INSECT PESTS
- MANAGEMENT OF STORED PRODUCT INSECTS WITH BIOPESTICIDES
- HOST PLANT RESISTANCE
- INSECTICIDE RESISTANCE AND MANAGEMENT
- IPM OF RICE BORERS AND RICE LEAF FOLDER

14. **PH. D. THESIS:**

“INTEGRATED MANAGEMENT OF RICE LEAF FOLDER, *CNAPHALOCROCIS MEDINALIS* (GUENEE) (PYARLIDAE: LEPIDOPTERA) IN PUNJAB, PAKISTAN”

15. **M. Sc. (HONS.) THEISIS:**

“RESPONSE OF *TROGODERMA GRANARIUM* (EVERTS) TO VARIOUS COMBINATIONS OF PHOSPHINE AND *ACORUS CALAMUS* OIL”

16. **EXPERIENCE:**

- Worked as Teacher on per lecture basis in the Department of Agri. Entomology, University of Agriculture, Faisalabad from July 28, 2004 to March 27, 2007.
- Worked as Lecturer (on contract Basis) in the Department of Agri. Entomology, University of Agriculture, Faisalabad from March 28, 2007 to March 04, 2008.
- Worked as Lecturer on Regular Basis from March 05, 2008 to August 30, 2019.
- Worked as Assistant Professor (BPS-19) from August 31, 2019 to-10-11-2023
- **Working as Associate Professor (BPS-20) since September 11, 2023 todate.**

17. **TRAINING COURSES/ WORKSHOPS ATTENDED**

- Training workshop on **sustainable management of Fall armyworm *Spodoptera frugiperda* in collaboration with Bayer Crop Sciences** at University of Agriculture Faisalabad (September 28, 2020).
- Training workshop for farming community of Layyah, Jhang, Faisalabad districts on **sustainable management of desert locust *Schistocerca gregaria*** (July 04, 2020) as an outreach activity.
- Training workshop for farming community on **sustainable management of desert locust *Schistocerca gregaria*** TMA Hall Bhakar (July 11, 2020) as an outreach activity.
- Participated in one day **Training Workshop** on “**Approaching Towards Comprehensive Elimination of Persistent Organic Pollutants (Pesticides) in Pakistan**” organized by Ministry of Climate Change, Pakistan and Environment and Climate Change Unit, UNDP on September 13, 2017.
- Participated in **13<sup>th</sup> National Honeybee Farming and Management Training workshop** organized by Department of Zoology, University of the Punjab, Lahore from March 13-17, 2017.
- Participation in capacity building workshop on **Bioasafety Measures in Agriculture** organized by ORIC-UAF from February 20-21, 2017.
- Participated in a **Training workshop on Professional Development of Teachers through Medium of English under Transforming English Language Skills** held at University of Agriculture Faisalabad from January 23-27, 2017 organized by Higher Education Commission, Pakistan
- Qualified the **Long-Distance Training Course on Grain Storage Technology for Managers and Supervisors from Developing Countries** organized by Henan University

**of Technology People's Republic of China** from March 06, 2016 to July 30, 2016 (5 Months duration)

- Participated in Training workshop on “**SPS Compliance through the Fresh Produce Supply Chain**” held on August 03-04, 2016 organized by Phyto-sanitary Risk Management Program in Pakistan, CAB International, Central and West Asia.
- Completed a “**Long-Distance Training Course on Grain Storage Technology for Managers and Supervisors from Developing Countries**” sponsored by Henan University of Technology from March 06 2016 to July 30, 2016 organized by People's Republic of China, through GSR Long-distance Education Platform of Henan University of Technology.
- Participated in Training workshop on “**SPS Compliance through the Fresh Produce Supply Chain**” held on August 03-04, 2016 organized by Phytosanitary Risk Management Program in Pakistan, CAB International, Central and West Asia.
- Attended on day workshop on “**Enquiry Based Learning**” at the University of Agriculture Faisalabad on March 01, 2014 organized by British Council and The University of Manchester, at University of Agriculture Faisalabad.
- Participated in Activity based course on “**Project Management in Higher Education Institutions**” held on March 10, 2014 organized by Department of Parasitology, University of Agriculture, Faisalabad.
- Completed a Training Course on “**Diagnosis of Viral Diseases**” at Nuclear Institute for Agriculture and Biology (NIAB) Faisalabad, Pakistan held on December 17-19, 2013.
- Participated in a short term Training program on “**An Introduction to R- Program Language for Statistical Computing**” organized by Department of Mathematics and Statistics, University of Agriculture, Faisalabad.
- Participated in the training course on “**Design and analysis of Agricultural Field Experiments using Minitab/ Statistica**” held from August 06-11, 2007 at University of Agriculture, Faisalabad.
- Training workshop on “**Integrated Management of Wheat with special reference to post harvest losses**” held at University of Agriculture, Faisalabad. From March 26- April 07, 2007.
- Training Course on “**Integrated Pest Management of Cotton**” held from May 22-27, 2006 at University of Agriculture, Faisalabad, organized by Higher Education Commission of Pakistan.
- “**Staff Development Course**” under the schemed of National Academy of Higher Education Commission, held from September 05 to October 01, 2005 at University of Agriculture, Faisalabad, Pakistan.

#### **18. SEMINARS/ CONGRESSES/SYMPOSIA/ WORKSHOPS ATTENDED**

- Resource person for one day training workshop for farming community of Layyah, Jhang, Faisalabad districts on sustainable management of desert locust *Schistocerca gregaria* (July 04, 2020) as an outreach activity.
- Resource person for one day training workshop for farming community on sustainable management of desert locust *Schistocerca gregaria* TMA Hall Bhakar (July 11, 2020) as an outreach activity.

- Focal person for International webinar on sustainable management of locust in Pakistan at University of Agriculture Faisalabad, Pakistan (August 19, 2020).
- China-Pakistan Science Workshop, Use of new technology in locust control August 20, 2020, organized by PASTIC Islamabad and Beijing Technology and Business University (BTBU) Beijing China.
- Resource person and member of organizing committee for Stake holder session on Invasion and future prospects of Fall Armyworm (*Spodoptera frugiperda*) in Pakistan at University of Agriculture, Faisalabad (September 03, 2020).
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- International Symposium on **Crop Plant Resistance to Biotic and Abiotic Factors: Current Potential and Future Demands**, held from May 14-16, 2009 at Julius Kuhan Institute, Berlin Germany.
- **8<sup>th</sup> International conference on Controlled Atmosphere and Fumigation in Stored Products**, held from September 21-26, 2008 in **Chengdu, China**
- International workshop on **“Allelopathy: current trends and Future Applications”** held from March 18-21, 2007 at University of Agriculture, Faisalabad.
- International Symposium on **“Sustainable Crop Improvement and Integrated Management”** held from September 14-16, 2006 organized by Faculty of Agriculture, U.A.F., Pakistan
- **“International Seminar on Rice Crop”** held at Rice Research Institute, Kalashahkaku, Pakistan from October 02-03, 2005.
- Participated in **“4<sup>th</sup> International Congress of Entomological Sciences”** held from September 22-23, 2004 organized by the Department of Agricultural Entomology, University of Agriculture, Faisalabad, Pakistan.

#### 19. EXPERIENCE AS A TRAINER/ TRAINING COORDINATOR

- Worked as a Trainer/Training Coordinator for training the employees of Punjab Food Department and Army Officers **“Short term Training Program in Grain Storage and Management”**

#### 20. BOOKS, ABSTRACT BOOKS AND PROCEEDINGS

- Ahmed, S., R.R. Khan, A. Ali, **M. Sagheer**, M.D. Gogi and M. Sufyan (Editors) 2016. Abstract Book, International Entomological Congress (December 16-18, 2016) organized by the Department of Entomology, University of Agriculture, Faisalabad, Pakistan.
- Khan, F. Z. A., **M. Sagheer** and M. Hassan, 2013. Management of Red Flour Beetle by Medicinal Plant Extracts: Bio-friendly Stored Grain Pest Management Approach. Lambert Academic Publishing, Germany.
- Arif, M.J. and **M. Sagheer**, 2013, Abstracts: Post Graduate Entomological Research Conference (July 08-09, 2013), Organized by Department of Entomology, University of Agriculture, Faisalabad.

- Suhail A. and **M. Sagheer**, 2012, Abstracts: Post Graduate Entomological Research Conference (June 22-23, 2012), Organized by Department of Agricultural Entomology, University of Agriculture, Faisalabad.
- Abbas, S. K., F. Ahmad and **M. Sagheer**, 2011, Citrus Botanicals and Lesser Grain Borer: Potential of Citrus Essential Oils against two strains of lesser grain borer (Coleoptera: Bostrichidae) of Southern Punjab, Pakistan.
- Ahmad, I., Ullah, E., M. Ashfaq and **M. Sagheer** (Editors), 2006. Abstracts: International Symposium on "Sustainable Crop Improvement and Integrated Management" held from Sep. 14-16, 2006, organized by the Faculty of Agriculture, University of Agriculture, Faisalabad.
- Ahmad, I., Ullah, E., M. Ashfaq and **M. Sagheer** (Editors), 2006. Proceedings of the International Symposium on "Sustainable Crop Improvement and Integrated Management" held from Sep. 14-16, 2006, organized by the Faculty of Agriculture, University of Agriculture, Faisalabad.

## **RESEARCH PUBLICATIONS**

### **(a) List of Research Papers Published in HEC Recognized Journals**

<b>S. No</b>	<b>Authors, Year, Title, Name of Journal with Volume, Page and ISSN Numbers.</b>	<b>Impact Factor</b>
<b>1</b>	Hazafa, A., N. Jahan, A. Zia, <b>M. Sagheer</b> and M. Naeem. 2022. Evaluation and optimization of nanosuspensions of <i>Chrysanthemum coronarium</i> and <i>Azadirachta indica</i> using Response Surface Methodology for pest management. Chemosphere, 292: 133411	7.086
<b>2</b>	Yasir, M., R. W. Mankin, M.U. Hasan, <b>M. Sagheer</b> , 2021. Residual Efficacy of Novaluron Applied on Concrete, Metal, and Wood for the Control of Stored Product coleopteran pests. <i>Insects</i> : 12(7): 1-15. <a href="https://dx.doi.org/insects12010007">https://dx.doi.org/insects12010007</a>	2.769
<b>3</b>	Saleem, M., M.U. Hasan, <b>M. Sagheer</b> and M. Atiq, 2021. Determination of insecticide resistance in <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae) populations from Punjab, Pakistan. <i>Int. J. Trop. Insect Sci.</i> , 41:1799–1808. <a href="https://doi.org/10.1007/s42690-020-00393-4">https://doi.org/10.1007/s42690-020-00393-4</a>	0.774
<b>4</b>	Ali, R.A., M. Hasan, <b>M. Sagheer</b> , S.T. Sahi and A. Rasul, 2021. Factors influencing the combined efficacy of microbial insecticides and inert dusts for the control of <i>Trogoderma granarium</i> . <i>Intl. J. Trop. Insect Sci.</i> , 41:1799–1808. <a href="https://doi.org/10.1007/s42690-021-00559-8">https://doi.org/10.1007/s42690-021-00559-8</a>	0.774
<b>5</b>	Ali, R.A., M. Hasan, <b>M. Sagheer</b> and S. T. Sahi, 2021. Role of abiotic factors on the effectiveness of inert dusts for the control of <i>Trogoderma granarium</i> (Coleoptera: Dermestidae). <i>Pak. J. Agric. Sci.</i> , 58(2): 529-537.	0.748
<b>6</b>	Javed M.W., M.U. Hasan, <b>M Sagheer</b> , S.T. Sahi, 2021. Studies on inducer mediated resistance responses against biological fitness of <i>Brevicoryne brassicae</i> (Homoptera: Aphididae) on <i>Brassica napus</i> . <i>Intl. J. Agric. Biol.</i> 25:81–88. <a href="https://doi.org/10.17957/IJAB/15.1641">https://doi.org/10.17957/IJAB/15.1641</a>	0.887
<b>7</b>	Yasir, M., M. Hasan, <b>M. Sagheer</b> , M. Fiaz, J. E. Serrão, 2020. Residual Efficacy of Pyriproxyfen on Grain Commodities Against Stored Product Insect Pests, <i>Gesunde Pflanzen</i> , 72: 265–272. <a href="https://doi.org/10.1007/s10343-020-00509-3">https://doi.org/10.1007/s10343-020-00509-3</a>	0.738
<b>8</b>	Akhtar, Z.R., A. Rasul, <b>M. Sagheer</b> , A. Ali, I. Ashraf, B. Saddiq and Mansoor-ul-Hasan, 2020. Characterizing the mode of resistance inheritance and cross resistance in Pink bollworm against Cry1ac toxin and organophosphate pesticides in Pakistan. <i>Pak. J. Agri. Sci.</i> , 57: 1101-1106.	0.774

9	Ahmad, S., M.U. Hasan, <b>M. Sagheer</b> and S. T. Sahi, 2020. Impact of bio-aaccumulated cadmium in <i>Bombyx mori</i> L. reared on mulberry plants grown in heavy metal-impregnated soils in Faisalabad, Pakistan. <i>African Entomol.</i> , 28: 406-414.	0.65
10	Yasir, M., R. W. Mankin, M. Hasan, <b>M. Sagheer</b> , 2020. Residual Efficacy of Novaluron Applied on Concrete, Metal, and Wood for the Control of Stored Product Coleopteran Pests. <i>Insects</i> , 25(12):7-21.	2.769
11	Rehman, H., Q. Ali, A. Rasul, <b>M. Sagheer</b> , B. Majeed, M. A. Farooqi, 2020. Comparative efficacy of four insecticides and two indigenous plant extracts against wild crucifer aphid, <i>Lipaphis erysimi</i> (Hemiptera: Aphididae). <i>Pure Appl. Biol.</i> , 9(3):1773-1779	HEC approved
12	Shahid, M., F. Ahmed, U. N. Ullah, <b>M. Sagheer</b> , Muhammad Ramzan, 2020. Resistance Evaluation in <i>Rhyzopertha dominica</i> (Coleoptera; Bostrichidae) Towards Phosphine and Deltamethrin under Laboratory Condition. <i>Pak. J. Biotech.</i> , 17(4):189-194.	
13	Yasir, M., <b>M. Sagheer</b> , S. K. Abbas, Mansoor-ul-Hasan, S. Ahmad and M. Ijaz, 2019. Bioactivity of Lufenuron against <i>Tribolium castaneum</i> (Herbst) (Coleoptera: Tenebrionidae). <i>Sains Malaysiana</i> , 48: 75–80.	HEC approved
14	Yasir, M., <b>M. Sagheer</b> , Mansoor-ul-Hasan and N. Javed, 2019. Residual efficacy of methoxyfenozide applied on different grain commodities for the control of three stored-product insect pests. <i>Turkish J. Entomol.</i> , 43:385-394.	HEC approved
15	Ali, K., A.Khan, <b>M. Sagheer</b> , C.M.S. Hanif, H. M. Aatif, T.A. Yasir and A. Wasaya, 2019. Biological Activities of Medicinal Plants Against the Population of <i>Trogoderma granarium</i> Everts. <i>ZEITSCHRIFT FUR ARZNEI- &amp; GEWURZPFLANZEN</i> , 23:40-44.	HEC approved
16	Sultana, K., M.K. Zahoor, <b>M. Sagheer</b> and Farhat, 2019. Efficacy of <i>Chrozophora plicata</i> and <i>Trianthema portuclacastrum</i> weed plant extracts against <i>Trogoderma granarium</i> (Everts) under laboratory conditions. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 32:143-152.	0.684
17	Rehman H., M. Hasan, <b>M. Sagheer</b> , S.T. Sahi, 2019. Bio-efficacy of entomopathogenic fungus <i>Beauveria bassiana</i> (Bals.) against <i>Trogoderma granarium</i> (Everts) and <i>Tribolium castaneum</i> (Herbst). <i>Pak. J. Agri. Sci.</i> , 56:429-434	0.748
18	Fiaz, M., A. Ali, F. Ahmad, M. Hasan, <b>M. Sagheer</b> , J. E. Serrao, J. C. Zanuncio, M. Shareef and J. Liu, 2018. Comparative potential of chitin synthesis inhibitors against <i>Trogoderma granarium</i> (Coleoptera: Dermestidae) for stored wheat management in Pakistan. <i>Pak. J. Agri. Sci.</i> , 55: 949-954.	0.748
19	Bashir, N.H., T. Nazir, M. Nasir, M. Z. Majeed, A. Hanan, <b>M. Sagheer</b> and Mansoor-ul-Hasan, 2018. In vitro Entomopathogenic Efficacy of <i>Beauveria bassiana</i> (Ascomycota: Hypocreales) Against <i>Corcyra cephalonica</i> (Lepidoptera: Pyralidae) and <i>Tribolium castaneum</i> (Coleoptera: Tenebrionidae). <i>J. Entomol.</i> , 15: 56-61.	0.19
20	Rehman, HU, M. Hasan. M. Sagheer and S.T. Sahi, 2018. Bioefficacy of entomopathogenic fungus <i>Beauveria bassiana</i> against <i>Trogoderma granarium</i> and <i>Tribolium castaneum</i> . <i>Pak. J. Agric. Sci.</i> , 55(4):1123-1127.	0.748
21	Afzal, I, M. A. Bakhtawar, M. Ishfaq, <b>M. Sagheer</b> and D. Baribusta, 2017. Maintaining dryness during storage contributes to higher maize quality. <i>J. Stored Prod. Res.</i> , 72: 49-53.	1.750
22	Ali, K., <b>M. Sagheer</b> , M. Hasan and A. Rasheed, 2017. Impact of extracts of <i>Azadirachta indica</i> and <i>Datura innoxia</i> on the esterases and phosphatases of three stored grains insect pests of economic importance. <i>Pakistan Journal of Agricultural Sciences</i> , 54(1):71-81. ISSN:0552-9034 (print) ISSN: 2076-0906 (online)	0.774
23	Muntaha, S.T., <b>M. Sagheer</b> , M. Hasan and S. T. Sahi, 2017. Repellent and Growth Inhibitory Impact of Plant Extracts and Synthetic Pyrethroids on Three Strains of <i>Callosobruchus chinensis</i> L. <i>Pakistan Journal of Zoology</i> , 49(2):581-589. ISSN: 0030-9923	0.92

24	Hanif, C.M.S., M. Hasan, <b>M. Sagheer</b> , S. Saleem, S. Akhtar and M. Ijaz, <b>2016</b> . Insecticidal and repellent activities of essential oils of three medicinal plants towards insect pests of stored wheat. <i>Bulgarian Journal of Agricultural Science</i> , 22(3): 470–476. ISSN 1310-0351	0.136
25	Sultana, K., M. K. Zahoor, <b>M. Sagheer</b> , S. Nasir, M. A. Zahoor, F. Jabeen and B. Riaz, <b>2016</b> . Insecticidal activity of weed plants, <i>Euphorbia prostrata</i> and <i>Chenopodium murale</i> against stored grain insect pest <i>Trogoderma granarium</i> Everts, 1898 (Coleoptera: Dermestidae). <i>Turkish Journal of Entomology</i> , 40(3):291-301. ISSN 1010-6960, E-ISSN 2536-491X	0.23
26	Ali, Q., M. Hasan, <b>M. Sagheer</b> , M. H. Ranjha, M. Shahbaz and M. Faisal, <b>2016</b> . Appraisal of quantitative losses caused by <i>Trogoderma granarium</i> (Everts) and <i>Tribolium castaneum</i> (Herbst) in different genotypes of wheat, rice and maize during storage. <i>Journal of Applied Biological Sciences</i> 10 (1): 08-14. ISSN: 1307-1130, E-ISSN: 2146-0108	0.140
27	Bashir, M.R., M. Atiq, S. T. Sahi and <b>M. Sagheer</b> , <b>2016</b> . Resistance of Chilli germplasm against Fursarium Wilt. <i>Transylvanian Review</i> , 24 (6): 636-642. ISSN 1221-1249.	0.03
28	Ali, Q., M.U. Hasan, L. J. Mason, <b>M. Sagheer</b> and N. Javed, <b>2016</b> . Biological Activity of Insect Growth Regulators, Pyriproxyfen, Lufenuron and Methoxyfenozide against <i>Tribolium castaneum</i> (Herbst). <i>Pakistan Journal of Zoology</i> , 48(5): 1337-1342. ISSN: 0030-9923	0.92
29	<b>Sagheer, M.</b> , M. Hasan, M. H. Ranjha, U. Sagheer, S. Saleem, Q. Ali, K. Ali and A. Majid, <b>2016</b> . Toxicological and Growth Regulatory Effects of Acetone Extract Oils of Indigenous Medicinal Plants Against a Stored Grain Pest, <i>Cryptolestes ferrugineus</i> (Stephens) (Coleoptera: Cucujidae). <i>Pakistan Journal of Zoology</i> , 48 (3): 903-906. ISSN: 0030-9923	0.92
30	Fraz, I., M. Hasan, M. Sagheer and S. Saleem, 2016. Evaluating the potential of some plant extracts along with new chemistry insecticides thiamethoxam and emamectin benzoate against <i>Cryptolestes ferrugineus</i> . <i>International Journal of Scientific and Research Publications</i> , 5(8):1-4.	-
31	Khan, M. B., <b>M. Sagheer</b> and M. Hasan, 2016. The repellency, toxicity and growth regulatory effects of essential plant oils on the <i>Cryptolestes ferrugineus</i> . <i>Journal of Entomology and Zoology Studies</i> , 4(4):1042-1045. ISSN: 2349-6800 (PRINT)	
32	Hanif, C.M. S., M. Hasan, <b>M. Sagheer</b> , S. Saleem, K. Ali and S. Akhter, 2015. Comparative Insecticidal Effectiveness of essential oils of three locally grown plants and phosphine gas against <i>Trogoderma granarium</i> . <i>Pakistan Journal of Agricultural Sciences</i> , 52(3):709-715. ISSN:0552-9034 (print) ISSN: 2076-0906 (online)	0.774
33	Akhter, S., M. Hasan, <b>M. Sagheer</b> and N. Javed, 2015. Antifeedant effect of essential oils of five Indigenous medicinal plants against stored grain insect pests. <i>Pakistan Journal of Zoology</i> , 47(4):1045-1050. ISSN: 0030-9923	
34	<b>Sagheer, M.</b> , M. Hasan, A. Rashid, K. Ali, A. Majid and F. Z. A. Khan, 2014. Growth regulatory activities of indigenous plant Extracts against red flour beetle, <i>Tribolium castaneum</i> (Herbst)(Coleoptera: Tenebrionidae). <i>Pakistan Journal of Agricultural Sciences</i> , 51(4):991-995. ISSN:0552-9034 (print) ISSN: 2076-0906 (online)	0.774
35	Saleem, S., M. Hasan, <b>M. Sagheer</b> and S.T. Sahi, 2014. Insecticidal activity of essential oils of four medicinal plants against different stored grain insect pests. <i>Pakistan Journal of Zoology</i> , 46(5):1407-1414. ISSN: 0030-9923	0.92
36	<b>Sagheer, M.</b> , M. Hasan, M. Bilal, M. N. Hassan, F. Z. A. Khan, S. R. Haidri and M. Farhan, 2014. Nutritional indices of <i>Tribolium castaneum</i> (herbst) and its response to plant extracts in relation to three types of flours. <i>Int. J. Agron. Agric. Res.</i> , 4(5): 51-56. ISSN: 2223-6655 (Print) 2225-3610 (Online)	
37	Hasan, M., <b>M. Sagheer</b> , M. Farhan, M. N.Hassan, S. R. Haidri, M. Bukhari, H.T. Gul, F.W.A. Khan, 2014. Repellent Potential of <i>Azadirachta indica</i> A. Juss and <i>Glycyrrhiza glabra</i> L. against cowpea bruchid <i>Callosobruchus chinensis</i> L. (Coleoptera: Bruchidae) <i>J. Biodiv. Environ. Sci.</i> , 5(1):405-409. ISSN: 2220-6663 (Print); 222-3045.	

38	<b>Sagheer, M.,</b> K. Ali, M. Hasan, A. Rashid, U. Sagheer, 2013. Repellent and Toxicological Impact of Acetone Extracts of <i>Nicotiana tabacum</i> , <i>Pegnum hermala</i> , <i>Saussurea costus</i> and <i>Salsola baryosma</i> against Red Flour Beetle, <i>Tribolium castaneum</i> (Herbst). Pakistan Journal of Zoology, 45(6):1735-1739. ISSN: 0030-9923	0.92
39	<b>Sagheer, M.,</b> M. Hasan, Z. Ali, M. Yasir, Q. Ali, K. Ali., A. Majid and F.Z.A. Khan, 2013. Evaluation of essential oils of different citrus species against <i>Trogoderma granarium</i> (Everts) (Coleoptera: Dermestidae) collected from Vehari and Faisalabad districts of Punjab, Pakistan., Pakistan Entomologist, 35(1): 37-41.	
40	<b>Sagheer, M.,</b> M. Hasan, H. Rehman, F.Z.A. Khan, Q. Ali, K. Ali, M.B. Ayyub, H. T. Gul, U. A. Tarar, 2013. Screening of some medicinal plant extracts for toxic and repellent potential against adult stage of rust red flour beetle, <i>Tribolium castaneum</i> (Herbst) (Coleoptera: Tenebrionidae). Int. J. Biosci., 3(9): 273-279. ISSN: 2220-6655 (Print) 2222-5234 (Online)	
41	Khan, F. Z. A., <b>M. Sagheer,</b> M. Hasan, S. Saeed, K. Ali, H. T. Gul, S. A. Bukhari, S. A. Manzoor, 2013. Toxicological and repellent potential of some plant extracts against stored product insect pest, <i>Tribolium castaneum</i> (Herbst.)(Coleoptera: Tenebrionidae). Int. J. Biosci., 3(9): 280-286. ISSN: 2220-6655 (Print) 2222-5234 (Online)	
42	Khaliq, A., M. Hasan, <b>M. Sagheer,</b> F. Z. A. Khan, H. T. Gul, M. Asghar and M. Yasir, 2013. Varietal Screening and development of rice weevil, <i>Sitophilus oryzae</i> (L.) in advanced rice genotypes at different temperatures. Int. J. Biosci., 3(9): 287-292. ISSN: 2220-6655 (Print) 2222-5234 (Online)	
43	Hasan, M., <b>M. Sagheer,</b> A. Khaliq, F.W.A. Khan, H.T. Gul, K.Ahmad, S.Y. Manzoor, M. Yaisr, M. Javed and M. Nadeem, 2013. Assessment of relative resistance in advanced rice genotypes in response to variation in abiotic factors and development of <i>Tribolium castaneum</i> (Herbst) (Coleoptera: Tenebrionidae). Int. J. Biosci., 3(12): 33-38. ISSN: 2220-6655 (Print) 2222-5234 (Online)	
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33. Sagheer, M, F. Ahmad, M. Hasan, A. Javed, 2004. Insecticidal activity of *Acorus calamus* oil against *Trogoderma granarium* (Everts) (Coleoptera: Dermestidae). 4<sup>th</sup> International Congress of Entomological Sciences, September 22-23, 2004. Department of Agri. Entomology, University of Agriculture, Faisalabad. Pakistan.
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36. Antixenotic and Antibiotic impacts of *Acorus calamus* oil for organic management of stored wheat insect pests. International Symposium on Sustainable Crop Improvement and Integrated Management. 2006. Faculty of Agriculture, UAF, pp-19.

37. Assessment of Storage Losses of Wehat in House type godowns in Toba Tek Singh district. International Symposium on Sustainable Crop Improvement and Integrated Management. 2006. Faculty of Agrciulture, UAF, pp-23.
38. Some studies on the evaluation of new chemistry insecticides (spinosad and indoxacarb) against *Rhyzopertha dominica* Fab. (Coleoptera: Bostrichidae). International Symposium on Sustainable Crop Improvement and Integrated Management. 2006. Faculty of Agriculture, UAF, pp-25.
39. Warehouse application of *Ricinus communis* oil for organic management of stored wheat pest insects. International Symposium on Sustainable Crop Improvement and Integrated Management. 2006. Faculty of Agrciulture, UAF, pp-32.
40. "Management of Citrus Leaf Miner, *Phyllocnistis citrella* Stnt. Using IGRs and synthetic insecticides". International Symposium on Prospects of Horticultural Industry in Pakistan. 28-30 March, 2007, organized by Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan.
41. Evaluation of *Colocynthus citrulus* as a safe grain protectant against *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae). 2<sup>nd</sup> Congress on Insect Sciences, February 21-22, 2008, Punjab Agricultural University, Ludhiana, India. pp-135.
42. Integration of Insecticides and Variable number of eggs of *Chrysoperla carnea* to control insect pests of cotton. 2<sup>nd</sup> Congress on Insect Sciences, February 21-22, 2008, Punjab Agricultural University, Ludhiana, India. pp-326.

#### SUPERVISION OF PHD STUDENTS AS MAJOR SUPERVISOR

S. NO	NAME OF STUDENT	TITLE OF THESIS	YEAR OF GRADUATION
1	Kazam Ali 2005-ag-1523	Effect of Extracts of Indigenous Plants on Esterases and Phosphatases of <i>Tribolium castaneum</i> , <i>Trogoderma granarium</i> and <i>Sitophilus granarius</i> "	2016
2	Sidra tul Muntaha 2005-ag-1392	Evaluation of esterases and phosphatases in three strains of <i>Callosobruchus chinensis</i> and <i>Rhyzopertha dominica</i> treated with plant extracts and synthetic pyrethroids"	2016

#### SUPERVISION OF PHD STUDENTS AS MEMBER OF SUPERVISORY COMMITTEE

S. NO	NAME OF STUDENT	TITLE OF THESIS	YEAR OF GRADUATION
1	M. Amir Siddique 1999-ag-1092	Entomotoxic potential of nanoparticles for the management of stored grains insects pests	2021
2	Muhammad Yasir 2008-ag-32	Residual efficacy of biorational insecticides on grain commodities and surfaces for the management of stored product insects	2021
3	Muhammad Saleem 2004-ag-1361	Determination of insecticide resistance in various cotton whitefly strains at cotton eco-regions	2020
4	Muhammad Saeed 2004-ag-1095	Impact of bio-accumulated heavy metals on silkworm ( <i>Bombyx mori</i> ) and silk quality reared on mulberry plants grown in heavy metal impregnated soils of Faisalabad, Pakistan	2020
5	Rameesha Amja Ali 2010-ag-3287 (Ph. D. completed)	Potential of inert dusts and microbial insecticides for the management of <i>Trogoderma granarium</i> (Everts) and <i>Rhyzopertha dominica</i> (F)	2020



6	Qurban Ali 2005-ag-1571	Appraisal of quantitative losses to stored cereals by stored grain insect pests and their response to insect growth regulators	2015
7	Sohail Ahmad 2003-ag-1985	Insecticidal, Repellent, Antifeedant and Growth regulatory Influences of essential Oil of Indigenous Medicinal plants Against Stored Grain Insect Pests	2015
8	Shahzad Saleem 2002-ag1773	Insecticidal Bioactivities of Essential oils of four medicinal plants towards different strains of stored grain insect pests	2014

### SUPERVISION OF M.SC. (HONS.) STUDENTS AS MAJOR SUPERVISOR

S. NO	NAME OF STUDENT	TITLE OF THESIS	YEAR OF GRADUATION
1	Muhammad Yasir 2008-ag-28	Comparative Studies of Insect Growth Regulators (Benzoyl acylurea) on development and reproduction of <i>Tribolium castaneum</i> (Herbst) (Coleoptera: Tenebrionidae)	2010
2	Muhammad Ahsan Ullah Saleem 2004-ag-1491	Essential oils from <i>Solanum nigrum</i> , <i>Colocynthus Citrulus</i> , <i>Cuminum cyminum</i> and <i>Citrus paradisi</i> affect biology of <i>Trogoderma granarium</i> (Everts) (Coleoptera: Dermestidae)	2010
3	Muhammad Zia 2004-ag-1225	Efficacy of essential oils of some local medicinal plants against red flour beetle <i>Tribolium castaneum</i> (Tenebrionidae: Coleoptera)	2010
4	Muhammad Aamer Shaheen 2004-ag-1534	Insecticidal activity of <i>Curcuma longa</i> , <i>Piper nigrum</i> , <i>Nicotiana tabacum</i> and <i>Zingiber officinale</i> against <i>Rhyzopertha dominica</i> and <i>Sitophilus granarius</i>	2011
5	Kazam Ali 2005-ag-1523	Laboratory evaluation of some indigenous medicinal plants as toxicants, growth regulators and repellents against <i>Tribolium castaneum</i> (Herbst) (Coleoptera: Tenebrionidae)	2011
6	Muhammad Ishaq 2004-ag-1553	Comparative studies of chitin synthesis inhibitors (CSIs) along with different botanicals on the development of <i>Tribolium castaneum</i> (Herbst) (Coleoptera: Tenebrionidae) and <i>Trogoderma granarium</i> (Everts) (Coleoptera: Dermestidae)	2011
7	Muhammad Zubair 2009-ag-510	Effect of plant extracts on the development of <i>Trogoderma granarium</i> (Everts) (Coleoptera: Dermestidae)	2011
8	Khurram Mahmood Sultan Kamboh 2006-ag-1389	Genetic diversity of four strains of <i>Tribolium castaneum</i> (Herbst) and their response to deltamethrin and extracts of <i>Azadirachta indica</i> and <i>Citrullus colocynthis</i>	2012
9	Jaffar Hussain 2006-ag-1561	Impact of Pyriproxyfen, lufenuron and extracts of <i>Moringa oleifera</i> and <i>Chicorium intybus</i> on the development and reproduction of <i>Tribolium castaneum</i> (Herbst) (Coleoptera: Tenebrionidae)	2012
10	Miss Rahat Afza 2006-ag-1662	Comparative insecticidal activity of pyriproxifen and extracts of <i>Moringa oleifera</i> and <i>Citrullus colocynthus</i> against <i>Tribolium castaneum</i> and <i>Cryptolestes ferrugineus</i>	2012
11	Miss Saba Aslam 2006-ag-1671	Response of <i>Sitophilus granarius</i> and <i>Tribolium castaneum</i> to extracts of <i>Moringa oleifera</i> , <i>Citrullus colocynthis</i> and pyriproxifen	2012
12	Yasir Aman 2006-ag-1779	Laboratory evaluation of extracts of <i>Moringa oleifera</i> , <i>Azadirachta indica</i> and <i>Colocynthus citrulus</i> against two tenebrionid beetles ( <i>Tribolium castaneum</i> and <i>Alphitobius diaperinus</i> )	2012
13	Fawad Zafar Ahmad Khan 2011-ag-507	Biocidal, fumigant, repellent and growth regulatory impact of ten plant extracts against <i>Tribolium castaneum</i> (Herbst) (Coleoptera: Tenebrionidae)	2013
14	Abdul Khaliq 2007-ag-1931	Estimation of quantitative and qualitative losses due to <i>Sitophilus oryzae</i> (L.) and <i>Tribolium castaneum</i> (Herbst) in advanced rice genotypes and their management with plant extracts	2013
15	Asmat Nawaz 2007-ag-2358	Estimation of losses in advanced genotypes of maize ( <i>Zea mays</i> L.) caused by maize weevil <i>Sitophilus zeamais</i> Motschulsky (Coleoptera: Curculionidae) and its response to plant extracts	2013

16	Miss Shireen Raza Haidri 2007-ag-2309	Biocidal and Repellent impact of extracts of <i>Jasminum grandiflorum</i> , <i>Nicotiana tabacum</i> , <i>Murraya koenigii</i> and <i>Azadirachta indica</i> against <i>Callosobruchus chinensis</i>	2013
17	M. Yasir Saeed Bajwa	Response of <i>Callosobruchus chinensis</i> against Diatomaceous Earth and an ectoparasitoid <i>Anisopteromalus calandrae</i>	2014
18	Muhammad Sajid Qureshi 2012-ag-1195	Insecticidal Potential of three formulations of Diatomaceous earth and essential oils of <i>Allium sativum</i> and <i>Azadirachta indica</i> against <i>Rhyzopertha dominica</i>	2014
19	<b>Waqas Ahmad</b> 2009-ag-2827	Impact of Plant Extract, Diatomaceous Earth and Entomopathogenic fungus against <i>Callosobruchus chinensis</i> and its parasitoid, <i>Anisopteromalus calandrae</i>	2015
20	Mr. Muhammad Iqbal  2010-ag-2648	Influence of Grain Type on Parasitic Potential of <i>Anisopteromalus calandrae</i> (Hymenoptera: Pteromalidae) towards Stored Product Insect Pests	2016
21	Hafiz Abdul Rehman Ahsan 2014-ag-1299	Influence of Grain Type on the Effectiveness of Spinetoram, Diatomaceous Earth and <i>Beauveria bassiana</i> for the Control of Stored Product Insect Pests	2016
22	Ali Raza 2010-ag-3144	Insecticidal Bioactivity of Basil Plant ( <i>Ocimum basilicum</i> ) extract in combination with <i>Metarhizium anisopliae</i> against saw toothed beetle <i>Oryzaephilus surinamensis</i> (Coleoptera: Silvanidae)	2016
23	Zaheer Abbas Gul 2010-ag-2648	Virulence of new formulations of <i>Metarhizium anisopliae</i> and <i>Beauveria bassiana</i> against <i>Sitophilus oryzae</i> under laboratory conditions	2016
24	Mavia Hafeez 2014-ag-1849	Quantitative and Qualitative Loss Assessment of Different Genotypes of Wheat, Maize and Rice Stored in Different Packaging Materials at Different Atmospheric Conditions	2016
25	Saqib Waqas 2011-ag-3445	Influence of Population Densities and Diets on the Development of <i>Tribolium castaneum</i> and <i>Oryzaephilus surinamensis</i>	2017
26	Muhammad Qasim 2011-ag-3851	Evaluation of commercial formulations of <i>Saccharopolyspora spinosa</i> (spintoram®) and <i>Verticillium lecanii</i> (meaikil®) along with clove extract against stored product insect pests	2017
27	Muhammad Umer Farooq 2011-ag-3864	Quantitative and qualitative losses to advanced genotype of sunflower during storage due to the infestation of <i>Tribolium castaneum</i> and <i>Trogoderma granarium</i>	2017
28	M. Bilal Saleem 2012-ag-3320	Effect of packaging materials treated with reduced risk insecticides and plant extracts against <i>Tribolium castaneum</i> and <i>Trogoderma granarium</i>	2018
29	Mirza M. Usman Hayat 2012-ag-3543	Assesment of Quantitative losses in different gentotypes of <i>Zea mays</i> and <i>Oryza sativa</i> caused by <i>Sitophilus granaries</i> and <i>Tribolium castaneum</i>	2018
30	Muhammad Afzal 2012-ag-3108 M.Sc.(Hons) Entomology	Response of Advance Genotypes of Sorghum ( <i>Sorghum bicolor</i> ) and Rice ( <i>Oryza sativa</i> ) against <i>Rhyzopertha dominica</i> and <i>Trogoderma granarium</i>	2018
31	Muhammad Awais 2016-ag-1230 M.Sc.(Hons) Entomology	Comparative development of <i>Tribolium castaneum</i> (Coleoptera:Tenebrionidae) on non fortified and fortified wheat flour and its response against plant extracts and entomopathogenic fungi	2018
32	M. Waseem Zulfiqar 2012-ag-3570 M.Sc.(Hons) SST	Relative susceptibility of advance genotypes of advance genotypes of <i>Hordeum vulgare</i> on the basis of quantitative and qualitative losses caused by insect pests during storage	2018
33	M. Waseem Akhter 2012-ag-2960 M.Sc.(Hons) SST	Relative resistance of seed of advance genotypes of <i>Cicer arietinum</i> and <i>Vigna radiata</i> against <i>Callosobruchus chinensis</i> during storage	2018
34	Natasha Basheer 2013-ag-1951 M.Phil Zoology	Evaluation of Eucalyptus leaf extract, diatomaceous earth and <i>Metarhizium anisopliae</i> against <i>Tribolium castaneum</i>	2018
35	Sidra Rafi	Integrated Management of <i>Trogoderma granarium</i> (Everts) using	2018

	2012-ag-1002 M.Phil Zoology	neem leaf extract, diatomaceous earth and <i>Beauveria bassiana</i>	
36	Noman Ali 2013-ag-3580 M.Sc.(Hons)-Entomology	Impact of plant nutrition on seasonal abundance of <i>Bemisia tabaci</i> (Gennadius) on transgenic cotton in district Faisalabad	2019
37	Hassan Ali Khan 2017-ag-54 M.Sc.(Hons)-Entomology	Entomocidal and Growth Inhibitory potential of Ag and Zn nanoparticles synthesized using extracts of medicinal plants of Swat region against Cigarette beetle and Grainary weevil	2019
38	Muhammad Abuzar 2013-ag-3315 M.Sc.(Hons)-Entomology	Response of <i>Sitophilus granarius</i> and <i>Sitophilus zeamays</i> against plant extracts and diatomaceous earth	2019
39	Nasrullah 2013-ag-3939 M.Sc.(Hons)-Entomology	Integration of green synthesized silver nanoparticles alongwith diatomaceous earth for management of <i>Sitophilus oryzae</i>	2019
40	Farah Shamas 2017-ag-2955 M.Phil Zoology	Insecticidal activity of Zn and Ag nanoparticles synthesized using extracts of <i>Eucalyptus globules</i> , <i>Ocimum basilicum</i> and <i>Azadirachta indica</i> against <i>Trogoderma granarium</i> and <i>Cryptolestes ferrugenus</i>	2019
41	Ayesha Qandeel 2017-ag-3002 M.Phil Zoology	Potential of Green Synthesized Ag nanoparticles prepared by extracts of four medicinal plants for their insecticidal and Growth inhibitory effect against <i>Lasioderma serricorne</i> and <i>Trogoderma granarium</i>	2019
42	Iqra Naveed 2017-ag-3107 M.Phil Zoology	Evaluation of new chemistry IGRs in integration with plant extracts for their toxic and growth inhibitory effects against <i>Rhyzopertha dominica</i>	2019
43	Abdul Jabbar 2016-ag-1528 M.Phil Zoology	Effect of plant extracts, diatomaceous earth and chitin synthesis inhibitors IGRs on development of <i>Callosobruchus chinensis</i>	2019
44	Hina Sarfraz 2017-ag-3116 M.Phil Zoology	Biocidal, repellent and growth regulatory effect of nanoparticles based botanical pesticides against <i>Trogoderma granarium</i>	2019
45	Muhammad Nadeem 2013-ag-3337 M.Sc (Hons) Seed Science and Technology	Integrated Management of Maize Weevil ( <i>Sitophilus zeamais</i> ) using biorational approaches	2019
46	Qadeer Ahmad 2018-ag-48 M.Sc.(Hons) Entomology	Impact of cereal flours on life history and nutritional index of <i>Tribolium castaneum</i> and <i>Cryptolestes pusillus</i>	2020
47	Muhammad Usman 2018-ag-50 M.Sc.(Hons)-Entomology	Entomotoxic effect of Zn and Ag Nanoparticles synthesized using extracts of <i>Euclyptus globules</i> , <i>Ocimum basilicum</i> and <i>Azadirachta indica</i> against <i>Trogoderma granarium</i> and <i>Tribolium castaneum</i>	2020
48	Sardar Junaid Akbar 2012-ag-2102	Management of Khapra beetle ( <i>Trogoderma granarium</i> ) using ZnO and Ag-Nanoparticles alongwith extracts of neem and eucalyptus	2020
49	M. Saeed ur Rehman 2014-ag-5011 M.Sc.(Hons)-Entomology	Role of Morphological and biochemical characteristics of different genotypes of <i>Solanum tuberosum</i> for host plant resistance against <i>Myzus persicae</i> in relation to occurrence of viral diseases.	2020
50	Aqsa Azeem 2018-ag-45 M.Sc.(Hons)-Entomology	Entmocidal potential of phyto-fabricated Nanoparticles of ZnO and Ag against <i>Cryptolestes ferrugineus</i> (Coleoptera: Laemophloeidae)	2020
51	Zubair Akhter Khan 2018-ag-53 M.Sc.(Hons)-Entomology	Population dynamics of different insect pests and associated natural enemies in potato crop in relation to metrological data	2020
52	Muhammad Abuzar 2013-ag-3315 M.Sc.(Hons)-Entomology	Response of <i>Sitophilus granarius</i> and <i>Sitophilus zeamays</i> against plant extracts and diatomaceous earth	2020

53	Zuneera Abaid 2016-ag-3353 M.Phil Zoology	Repellent and biocidal effect of <i>Chenopodium album</i> , <i>Ocimum basilicum</i> and <i>Datura stramonium</i> against <i>Tribolium castaneum</i> and <i>Rhyzopertha dominica</i>	2020
54	Attika Khalid 2018-ag-3767 M.Phil Zoology	Growth performance and digestive enzyme activity of <i>Rhyzopertha dominica</i> and <i>Trogoderma granarium</i> feed on four wheat cultivars	2020
55	Anam Sarwar 2015-ag-3478 M.Phil Zoology	Life history and development of <i>Trogoderma granarium</i> on different non-grain commodities	2020
56	Ayesha Shabbir 2018-ag-3783 M.Phil Zoology	Entomocidal activities of aromatic plant extracts against <i>Callosobruchus maculatus</i> and its parasitoid <i>Anisopteromalus calandrae</i>	2020
57	Iqra Bashir 2015-ag-3292 M.Phil Zoology	Development and life history of <i>Tribolium castaneum</i> on different non-grain commodities	2020
58	Areha Hassan 2018-ag-3794 M.Phil Zoology	Comparative entomotoxicity of nanoparticles of silver nitrate and Zinc Oxide against <i>Callosobruchus maculatus</i>	2020
59	Sardar Junaid Akbar 2012-ag-2102 M.Sc. (Hons) SST	Management of Khapra beetle ( <i>Trogoderma granarium</i> ) using ZnO and Ag-Nanoparticles alongwith extracts of neem and eucalyptus	2020
60	Muhammad Ali 2013-ag-2071 M.Sc.(Hons) Entomology	Toxic and growth inhibitory effect of extracts of neem, eucalyptus, castor bean, tobacco and parthenium against <i>Schistocerca gregaria</i> (Orthoptera)	2021
61	Muhammad Abdul Haseeb 2013-ag-2188 M.Sc.(Hons)-Entomology	Dose optimization of synthetic insecticides and phytochemical biopesticides against nymphal and adult populations of desert locust ( <i>Schistocerca gregaria</i> )	2021
62	Muhammad Sohail 2013-ag-2191	Screening of synthetic and hybrid genotypes of <i>Zea mays</i> for host plant resistance against fall armyworm ( <i>Spodoptera frugiperda</i> )	2021
63	Amara Nasiba 2019-ag-65 M.Sc.(Hons)-Entomology	Bioactivity of crude extracts of <i>Azadirachta indica</i> , <i>Eucalyptus globulus</i> and <i>Nerium oleander</i> along with green-synthesized silver and zinc nanoparticles for management of fall armyworm ( <i>Spodoptera frugiperda</i> ) under laboratory conditions	2021
64	Saira Riaz 2019-ag-61 M.Sc.(Hons)-Entomology	Response of different larval instars of <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae) towards <i>Metarhizium anisopliae</i> , <i>Beauveria bassiana</i> and extracts of <i>Azadirachta indica</i> , <i>Eucalyptus globulus</i> and <i>Nerium oleander</i>	2021
65	Tayyaba Manzoor 2019-ag-62 M.Sc.(Hons)-Entomology	Study on the life history of fall armyworm ( <i>Spodoptera frugiperda</i> ) on natural and artificial diets and its response to lufenuron and pyriproxifen	2021
66	Ali Zohaib 2015-ag-6748 M.Sc.(Hons)-Entomology	Host seed resistance of different genotypes of coarse and fine paddy against <i>Sitophilus oryzae</i> and <i>Tribolium castaneum</i>	2021
67	Talha Arshad 2016-ag-6380 M.Sc.(Hons) Entomology	Effects of dietary media and temperature on the development of saw toothed beetle ( <i>Oryzaephilus surinamensis</i> ) and its management using green synthesized ZnO nanoparticles	2022
68	Majid Ali 2014-ag-5335 M.Sc.(Hons)-Entomology	Entomocidal and growth inhibitory effect of Zinc Oxide nanoparticles and chlorfenapyr on <i>Tribolium castaneum</i> and <i>Sitophilus granarius</i>	2022
69	Muhammad Shahzad 2016-ag-6345	Host plant resistance of advance genotypes of <i>Oryza sativa</i> against brown plant hopper, <i>Nilaparveta lugens</i>	2022

	M.Sc.(Hons)- Entomology		
70	Rabia Iftikhar 2016-ag-8238 M.Sc.(Hons)- Entomology	Residual efficacy of reduced risk insecticides and extracts of <i>Azadirachta indica</i> and <i>Ricinus communis</i> treated on different kinds of packaging materials for the control of <i>Oryzaephilus surinamensis</i> L.	2022
71	Imran Tariq 2012-ag-2367 M.Sc.(Hons)- Entomology	Eco-friendly management of pink bollworm ( <i>Pectinophora gossypiella</i> ) on cotton crop	2022
72	Muhammad Arslan 2016-ag-6360 M.Sc.(Hons)- Entomology	Growth inhibitory and biocidal impact of new formulations of IGRs and entomopathogenic fungi against <i>Oryzaephilus surinamensis</i>	2022
73	Muhammad Uzair Hassan 2016-ag-6386 M.Sc.(Hons)- Entomology	Response of <i>Nilaparveta lugens</i> to new chemistry insecticides and Entomopathogenic fungi on coarse and fine genotypes of <i>Oryza sativa</i>	2022
74	Arooj Ahmad 2020-ag-65 M.Sc.(Hons)- Entomology	Response of <i>Tribolium castaneum</i> and <i>Rhyzopertha dominica</i> to plant extracts and insect growth regulators	2022
75	Mirza Maqsood 2014-ag-3215 M.Sc.(Hons)- Entomology	Insecticidal bioactivity of pyriproxifen, lufenuron and green synthesized nanoparticles of Zinc Oxide against saw toothed beetle	2022
76	Samina Ghulam Hussain 2016-ag-6608 M.Sc. (Hons)- Entomology	Integrated Pest Management of fall armworm (Spodoptera frugiperda)	2022
77	Iqra Qadeer 2020-ag-1944 MPhil Zoology	Toxicological, repellent and growth inhibitory potential of phytochemical biopesticides extracted from different plants against <i>Tribolium castaneum</i> and <i>Oryzaephilus surinamensis</i>	2022
78	Wajeelha Akhtar 2018-ag-2220 M.Phil Zoology	Development of Sawtoothed beetle ( <i>Oryzaephilus surinamensis</i> ) on different stored products and its management using lufenuron and chlorfenapyr	2022
79	Ali Abbas 2021-ag-47 M.Sc. (Hons) Entomology	Developmental Biology of <i>Callosobruchus maculatus</i> on different pulses and Its Management by reduced risk insecticides	2023
80	Rahila Azam 2021-ag-1599 M.Sc. (Hons) Entomology	Competitive development of four stored product insects ( <i>Tribolium castaneum</i> , <i>Oryzaephilus surinamensis</i> , <i>Rhyzopertha dominica</i> and <i>Trogoderma granarium</i> ) on rice and maize grains	2023
81	Feroz Ahmad 2017-ag-10179 M.Sc. (Hons)- Entomology	Bioefficacy of green synthesized nanoparticles of Magnesium and Zinc oxide and new chemistry insecticides against <i>Brevicoryne brassicae</i>	2023

82	Muhammad Imran 2021-ag-2549 MPhil Zoology	Eco-friendly Management of red flour beetle and lesser grain borer by using basil plant extract and flonicamid	2023
83	Daima Hareem 2017-ag-9487 M.Sc (Hons) Entomol.	Lethal, sublethal and transgenerational impact of chlorfenapyre, flubendiamide and spintoram on life parameters of <i>Rhyzopertha dominica</i> and <i>Tribolium castaneum</i>	2023
84	Minahil Moazzam 2021-ag-1565 M.Phil Zoology	Insecticidal and growth inhibitory effect of nanoparticles of CuO and ZnO synthesized by using extract of <i>Ocimum basilicum</i> against <i>Tribolium castaneum</i>	2023
85	Rehab Mangat 2019-ag-3364 M.Phil Zoology	Insecticidal and growth inhibitory effect of green synthesized nanoparticles of ZnO against <i>Tribolium castaneum</i>	2023
86	Aneesa Elahi 2021-ag-1468 MPhil Zoology	Response of Macrosiphum rosae to different concentrations of dinotefuron, spirotetramat, pyriproxifen and extracts of neem, basil and eucalyptus plants	2023
87	Saleha Arif 2021-ag-1513 MPhil Zoology	Relative efficacy of new chemistry insecticides (dinotefuron, imidachloprid and pymetrozine) and green synthesized nanoparticles of Zinc Oxide against <i>Macrosiphum rosae</i>	2023
88	Tooba Tariq 2017-ag-9488 M.Sc (Hons) Entomol	Residual efficacy of formulations of novel chemistry insecticides on different packaging materials against red flour and saw toothed beetles	2023
89	Talha Yasin 2017-ag-9742 M.Sc. (Hons)-Entomol.	Biocidal activity of chlorfenapyr, methoxy fenozoid and flunicamid against <i>Rhyzopertha dominica</i> and <i>Oryzaephilus surinamensis</i> treated on different surfaces	2024
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#### SUPERVISION OF M.SC.(HONS) STUDENTS AS MEMBER OF SUPERVISORY COMMITTEE

S. NO	NAME OF STUDENT	TITLE OF THESIS	YEAR OF GRADUATION
1	Sohail Akhtar 2003-ag-1985	Studies on the Insecticidal Bioactivities of spinosad and emmactin benzoate and plant extracts against <i>Trogoderma granarium</i> (Everts) (Coleoptera: Dermestidae)	2009
2	Abid Ali 2008-ag-32	Toxicity of sub lethal doses of leaf extract of datura against two coleopteran insect pests of stored rice, <i>Trogoderma granarium</i> (Everts) and <i>Sitophilus oryzae</i> L. and effect on nutritional values of rice.	2010
3	Muhammad Fiaz 2008-ag-33	Comparative efficacy of some insect growth regulators against <i>Trogoderma granarium</i> (Everts) (Coleoptera: Dermestidae).	2010
4	Saqi Kosar Abbas 2008-ag-37	Potential of Citrus essential oils against two strains of <i>Rhyzopertha dominica</i> (F) (Bostrichidae: Coleoptera) of Southern Punjab	2010
5	Muhammad Saleem 2004-ag-1361	Some Studies on the bioactivities of plant extracts and essential oils of various plants against <i>Tribolium castaneum</i> (Coleoptera: Tenebrionidae)	2010
6	Zulfiqar Ali 2008-ag-27	Screening of some citrus essential oils against two strains of khapra beetle ( <i>Trogoderma granarium</i> ) Everts (Coleoptera: Dermestidae) collected from Vehari and Faisalabad	2010
7	Sajjad Ali 2004-ag-1514	Repellency and toxicity of essential oils of indigenous plants against <i>Rhyzopertha dominica</i> F. (Coleoptera: Bostrichidae)	2010
8	Muhammad Asim Shahzad 2004-ag-2067	Bioefficacy of essential oils extracted from different Citrus species against <i>Tribolium castaneum</i> (Herbst) (Coleoptera: Tenebrionidae)	2010

9	Waqas Munawar Bhatti 2004-ag-1063	Potential of Essential oils and Powders of Euclyptus, Zeera and Kaloongi for Reducing Infestation of <i>Callosbruchus maculates</i> (Fab.) (Coleoptera: Bruchidae)	2010
10	Samta Zia 2004-ag-1213	Bioefficacy of different citrus peel extracts as grain protectant against <i>Callosbruchus chinensis</i> , <i>Trogoderma granarium</i> and <i>Tribolium castaneum</i> collected from Faisalabad	2010
11	Qurban Ali	Growth regulatory effect of extracts of <i>Azadirachta indica</i> , <i>Curcuma longa</i> , <i>Nigella sativa</i> , <i>Piper nigrum</i> on developmental stages of <i>Trogoderma granarium</i> (Everts) (Coleoptera: Dermestidae)	2011
12	Asif Latif 2005-ag-1696	Evaluation of some indigenous medicinal plants as a source of repellent, toxicant, antifeedant and Growth regulator against <i>Trogoderma granarium</i> and <i>Tribolium castaneum</i>	2011
13	M. Rizwan 2005-ag-1596	Toxicity of ethanol extracts of medicinal plants alone and in combination with phosphine gas against <i>Tribolium castaneum</i> (Herbst) (Coleoptera: Tenebrionidae)	2011
14	Abdul Majid 2005-ag-1956	Toxicity and impairment of growth and reproduction in <i>Trogoderma granarium</i> due to larval feeding on wheat treated with extracts of <i>Pegnum hermala</i> , <i>Nicotiana tabaccum</i> <i>Salsola barryosoma</i> and <i>Saussurea costus</i>	2011
15	Madiha Mobeen Khan 2009-ag-528	The repellent, toxic, growth and fecundity plummeting effects of essential oils of plant extracts against <i>Tribolium castaneum</i> and <i>Cryptolestes ferrogenius</i>	2011
16	Umair Sagheer 2005-ag-1805	Toxicological, Growth regulatory and Reproduction inhibiting effects of Indigenous medicinal plants against <i>Cryptolestes ferrugineus</i> and <i>Tribolium castaneum</i>	2011
17	Muzammal Hidayat Khan 2010-ag-692	Efficacy of plant extracts and synthetic insecticides against citrus leaf miner on kinnow and musambi at Bhakkar	2012
18	Muhammad Tahir Reg. No. 2005-ag-1820	Impairment of reproduction and development in Grainary Weevil ( <i>Sitophilus granarius</i> ) and khapra beetle ( <i>Trogoderma granarium</i> ) due to feeding on IGRs treated diet	2012
19	Bilal Ahmad Asad 2006-ag-1379	Combined effects of spinosad and phosphine fumigant against <i>Alphitobius diaperinus</i> and <i>Tribolium castaneum</i> .	2012
20	Imran Faraz 2006-ag-1712	Evaluating the potential of some plant extracts along with new chemistry insecticides thiamethoxam and emamectin benzoate against <i>Cryptolestes ferrugineus</i>	2012
21	Ishtiaq Ahmad 2006-ag-1736	Evaluating the efficacy of new chemistry insecticides spinosad along with some plant extracts as grain protectant against <i>Rhyzopertha dominica</i> (F.) (Coleoptera: Bostrychidae)	2012
22	Atif Rauf 2006-ag-1901	Effectiveness of extracts of <i>Nicotiana tabbaccum</i> , <i>Citrus colocynthis</i> and their comined effect with spinosad and thiamethoxam against <i>Tribolium castaneum</i> (Coleoptera: Tenebrionidae)	2012
23	Muhammad Ahsan Abbas 2006-ag-1836	Insecticidal and Growth Regulatory Potential of Spinosad and Emamectin Benzoate and Plant Extracts of Neem and Tobacco against <i>Tribolium castaneum</i>	2012
24	Muzammil Hidayat Khan 2010-ag-692	Efficacy of Plant extracts and synthetic insecticides against citrus leafminer on kinnow and musambi at Bhakkar	2012
25	Usam Manzoor	Growth Regulatory, Biocidal and Repellent Impact of extracts from four medicinal plants towards <i>Tribolium castaneum</i> (Coleoptera: Tenebrionidae)	2012
26	Azhar Farid Bhatti 2007-ag-2189	Combined effect of spinosad, thiamethoxam and abamectin on mortality and progeny production of <i>Tribolium castaneum</i>	2013

		(Herbst) on wheat flour	
27	Muhammad Yasir Umar 2007-ag-2240	Combined effect of plant extracts of kanair ( <i>Nerium oleander</i> ) and Spinosad against <i>Trogoderma granarium</i> (Everts) and <i>Rhyzopertha dominica</i> (Fabricus)	2013
28	Abdul Rahman 2011-ag-1224	Comparative efficacy of some plant extracts and synthetic insecticides against <i>Tribolium castaneum</i> (Herbst) (Coleoptera: Tenebrionidae)	2013
29	M. Bilal Ayub 2007-ag-2507	Nutritional indices of <i>Tribolium castaneum</i> (Hbst) and its response to plant extracts in relation to three types of flour	2013
30	Habib ur Rehman 2007-ag-1941	Growth disrupting and Toxic Potential of five indigenous plant extracts against <i>Tribolium castaneum</i> (Herbst) (Coleoptera: Tenebrionidae)	2013
31	M. Asghar 2011-ag-963	Response of <i>Callosobruchus chinensis</i> L. (Coleoptera: Bruchidae) to plant extracts and <i>Anisopteromalus calandrae</i> ) an ectoparasitoid	2013
32	Muhammad Awais Reg. No. 2008-ag-1843	Efficacy of Diatomaceous Earth and Insect Growth Regulators against <i>Tribolium castaneum</i> (Herbst) (Coleoptera: Tenebrionidae)	2014
33	Muhammad Zeeshan 2008-ag-2277	Combined Effect of Diatomaceous earth and insect growth regulators (IGRs) against <i>Trogoderma granarium</i> (Herbst) (Coleoptera: Dermestidae)	2014
34	Sajjad Ahmad	Susceptibility of different genotypes of sorghum ( <i>Sorghum bicolor</i> ) against <i>Trogoderma granarium</i> (Everts) and <i>Tribolium castaneum</i> (Herbst)	2014
35	Shah Zaman 2012-ag-614	Combined Effect of Diatomaceous Earth and Thiamethoxam on Mortality and Progeny inhibition of <i>Tribolium castaneum</i> (Herbst) (Coleoptera: Tenebrionidae)	2014
36	Usman Ahsan Tarar 2012-ag-592	Insecticidal Bioactivity of <i>Chenopodium quinoa</i> and <i>Allium sativum</i> Essential Oils in Combination with Diatomaceous Earth against Stored Product Insect Pests	2014
37	Muhammad Nadeem 2008-ag-1705	Relative Susceptibility of advance genotypes of barley ( <i>Hordeum vulgare</i> L.) against <i>Trogoderma granarium</i> Everts at three temperatures	2014
38	Muhammad Awais Sadiq 2012-ag-950	Comparative mortalities of <i>Trogoderma granarium</i> larvae exposed to various formulations of Chitin Synthesis Inhibitors in different cereals.	2014



## COURSES TAUGHT BY ME FOR UNDERGRADUATE AND POSTGRADUATE CLASSES

Following courses of undergraduate and post graduate classes are taught by me

Course No.	Course Title	Degree
Ent-301 (Theory + Practical)	Introductory Agric. Entomology	B.Sc. (Hons.) Agri. Sciences
Ent-402 (Theory + Practical)	Applied Entomology	B.Sc. (Hons.) Agri. Sciences
Ent-102 (Practical) for B.Sc. Human Nutrition and Dietetics)	Food Pests and their Management	B.Sc. (Hons.) Human Nutrition and Dietetics)
Ent-507 (Practical)	Insect Pests of Household, man and animals.	B.Sc. (Hons.)
Ent-508 (Theory)	Stored Products Pests and their Management	B.Sc. (Hons.)
Ent-603 (Theory)	Plant Resistance to Insect Pests	B.Sc. (Hons.)
Ent-611 (Practical)	Preparation of Research Project and Scientific Writing	B.Sc.(Hons)
Ent-615 (Practical)	Post Harvest Protection of Cereals	B.Sc. (Hons.)
Ent-701 (Practical)	Research Methods in Entomology	M.Sc. (Hons.)
Ent-702 (Theory)	Origin and Phylogeny of Insect	M.Sc. (Hons.)
Ent-709 (Theory)	Insecticide Resistance and Management	M.Sc. (Hons.)
Ent-718 (Practical)	Advances in Pest Management Research	M.Sc. (Hons.)
Ent-719	Special Problem	M.Sc. (Hons.)
Ent-720	Seminar	M.Sc. (Hons.)