RESUME/CV

<table>
<tr><td>Name/Address</td><td>
Dr. Bashir Ahmad
Professor
Department of Plant Protection, Office No. 069,
Plant Science Building,
The University of Agriculture, Peshawar,
Khyber Pakhtunkhwa, Pakistan
Office Ph. +92-300-5887615, Ext. 3171, Cell: +92-300-5887615

</td></tr>
<tr><td>Personal Information</td><td>
Date of Birth: 20th February 1975
Place of Birth: District Charsadda, Khyber Pakhtunkhwa Pakistan
Marital Status: Married
NIC No: 17101-0242285-5
E-mail: qazibashir@gmail.com & bashir.ahmad@aup.edu.pk
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<tr><td>Education/ Qualification</td><td>
<u>PhD PLANT PROTECTION-Pakistan/Australia</u>
Specialization: Plant Protection
CGPA (%): 3.95/4.00 (91.25%)
Institute: The University of Agriculture, Peshawar, Pakistan & The University of Queensland, Australia
Research Topic: <u>Population Dynamics, Molecular Characterization and Management of Diamondback Moth, Plutella xylostella (L.) (Lepidoptera: Plutellidae) in Cauliflower</u>"

<u>MSc. (Hons)) AGRICULTURE</u>
Specialization: Plant Protection
CGPA: 3.84/4.00 (87.91%)
Institute: The University of Agriculture, Peshawar, Pakistan
Session: 1998 - 2000
Research Topic: <u>Screening of Chickpea genotypes against gram pod borer (Helicoverpa armigera Hubner) using Bioassay Technique.</u>

<u>MASTER (Foreign Degree)</u>
Degree Name: <u>Master in Social Policy and Administration</u>
Aggregate %: 60
Institute: The University of Nottingham, Nottinghamshire, NG7 2RD, UK
Session: 2004-2005 (September 2004 to September 2005)
Research: <u>National Policy for Development and Empowerment of Women – a study of its efficacy in the elimination of Violence Against Women.</u>

<u>B.Sc. (Hons) Agriculture, (Equivalent to M.Sc.)</u>
Specialization: Plant Protection
CGPA : 3.65/4.00 (83.77%)
Institute: The University of Agriculture, Peshawar, Pakistan
Session: 1994-1998
Review Paper: <u>Pesticides pollution and its impacts on Biotic and A-biotic agents of the environment.</u>
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INTERMEDIATE (F.Sc.) Pre-Medical

Certificate: Higher Secondary School Certificate (HSSC)
Marks Obtained: 774/1100 **Aggregate %:** 70.36 **Grade:** A, Excellent
Institute: Islamia College Peshawar, Khyber Pakhtunkhwa-Pakistan
Board: Board of Intermediate and Secondary Education (BISE) Peshawar
Session: 1992-1993

MATRIC (SSC) SCIENCE

Certificate: Secondary School Certificate (SSC)
Marks Obtained: 635/850 **Aggregate %:** 74.71 **Grade:** A, Excellent
Institute: Government High School No.1, Charsadda, KP-Pakistan
Board: Board of Intermediate and Secondary Education (BISE) Peshawar

Work Experience (Professional)

Duration		Title	Institution
From	*To*		
18/09/2026	Till date	**Professor** (BPS-21, Regular)	Department of Plant Protection, The University of Agriculture, Peshawar, Pakistan (Main Campus)
18-09-2017	17/09/2026	**Assistant Professor** *(BPS-19, Regular)*	Department of Plant Protection, The University of Agriculture, Peshawar, Pakistan (Main Campus)
26-06-2014	17-09-2017	**Lecturer** *(BPS-18, Regular)*	Department of Plant Protection, The University of Agriculture, Peshawar, Pakistan (Main Campus)
12-05-2011	25-06-2014	**Lecturer** *(BPS-18, Regular)*	Department of Plant Protection, The University of Agriculture, AMK Campus, Mardan
15-07-2008	11-05-2011	**Lecturer** *(BPS-18, Regular)*	Dept. of Agriculture, Hazara University Haripur Campus
Nov. 2007	March 2008	**District Training Coordinator**	United Nation Development Programme (UNDP)
Jan., 2006	October 2007	**Director** Agriculture Sector-IPM	Human Development Promotion Group (HDPG) (National Organization)
April 2001	August 2004	**Deputy Director** Agriculture Sector-IPM	Human Development Promotion Group (HDPG) (National Organization)

Research Grants & Contracts

1. **Research Projects- Completed:**

   Worked as a Co-Principal Investigator (Co-PI) in a research project entitled "**Targeted Engineering of *Brassica juncea* Seed Biochemistry to Produce Reduced-Viscosity Plant Oils for Direct Use as Biofuel**", funded by 'Pakistan-US Science and Technology Cooperation Program', jointly conducted with Kasnas State University, USA (Pak sharing worth 9.057 million) (2013-2017).

2. **Research Projects- In Progress:**

   Working as a Co-Principal Investigator (Co-PI) of a research project entitled "**Bioaugmentation of soils contaminated with excessive pesticide application on peach plantation in the valley of Swat**", funded by 'Pakistan Science Foundation (PSF)' worth 4.2 (million) (2023-2026).

Additional Job Responsibilities	• Worked as Chief Proctor, The University of Agriculture, Peshawar • Worked as Convener Schools Management Committee (Boys and Girls) • Elected Member of the Syndicate, The University of Agriculture Peshawar since December 2021 to March, 2026 from Assistant Professor Constituency. • Worked as In-charge Strengthening of Teaching and Research Capabilities (STRC) and Foreign Faculty Guest House (FFGH) of the University of Agriculture Peshawar-Pakistan since October 10, 2023 till date. • Associate Editor, Sarhad Journal of Agriculture (SJA) from January, 2022 till date • Recognized reviewer of "Sarhad Journal of Agriculture" of The University of Agriculture, Peshawar-Pakistan. • Member Editorial Committee, Pakistan Journal of Agricultural Research, PARC • Worked as Warden Hostel No. 7, The University of Agriculture, Peshawar (December, 2015 till May 21, 2018). • Syndicate's nominated member in Committee on "Financial Management and Staff Rationalization". • Elected Member of the Syndicate, The University of Agriculture Peshawar-Pakistan from November, 2015 to October 2017 (Lecturer Constituency). • Departmental Focal Person to Directorate of Quality Assurance since January 2015 till date. • Focal Person for Department of Plant Protection to FAD, The University of Agriculture, Peshawar-Pakistan. • Convener of the University Shops/Canteens Vigilance Committee, The University of Agriculture, Peshawar-Pakistan. • Head Department of Plant Protection, Amir Muhammad Khan Campus Mardan, AUP from March 2012 to June 2014. • Worked as "Coordinator to Secrecy-Controller" in AMKC Mardan from January 2013 to June 2014. • Worked as Security In-Charge (Admin Officer) in the University of Haripur for Two Years (2009-2010). • Worked as Deputy Chief Proctor, Haripur Campus (2009-2011). • Departmental Controller of Examination for two and half years in the University of Haripur. • Chairman Food Committee for two and a half years in the University of Haripur. • Sports In charge in the University of Haripur for two and a half years.

<table>
<tr><td>Honors and Awards</td><td colspan="3">

Got Best Performance Award for the year 2008-2009 in Hazara University (Haripur Campus)
Approved PhD Supervisor (PhD Scholars) by Higher Education Commission of Pakistan, Islamabad
Got the Commonwealth <u>Department for International Development</u> (DFID) Shared Scholarship for the Master Degree in the University of Nottingham UK
Stood First in B.Sc. (Hons) in the Department of Plant Protection, The University of Agriculture, Peshawar-Pakistan
Stood First in M.Sc. (Hons) in the Department of Plant Protection, The University of Agriculture Peshawar-Pakistan.

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<tr><td>Course Developed</td><td colspan="3">

Jointly developed the course title “Plant-Microbe Interaction” with course code Micro-703 for MPhil Microbiology degree program at the Institute of Biotechnology and Genetic engineering (IBGE). The curriculum of Postgraduate Microbiology Program was already approved from various statutory bodies of the University of Agriculture, Peshawar and M.Phil. Microbiology has started.

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<tr><td>Memberships</td><td colspan="3">

Member of Structural Pest Management Association of Pakistan (SPMA)
Member Zoological Society of Pakistan
Member of Human Rights Commission of Pakistan,
Member Islamia College Alumni Association,
Member of Nottingham University (UK) Alumni

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<tr><td>Students Supervised
B.Sc. (Hons)
M.Sc. (Hons) & PhD</td><td><u>Year</u>
2010-23</td><td><u>Degree</u>
B. Sc. (Hons.)
M.Sc.(Hons):
Ph. D.</td><td><u>Number of Students)</u>
40
25
01
Two PhD students under supervision</td></tr>
<tr><td>Areas of Research interest</td><td colspan="3">

IPM of Diamond Back Moth/Fruit Flies
Urban Pest Management
Pest Ecology and Advanced Ecology
IPM of fruits and vegetables
Community IPM and Farmer Field Schools
Microbial Pest Control

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Outreach/ Extension Activities/ Resource Person	• Conducted/Delivered Three-days training as a **Resource Person** in the project entitled "**Development of Onion and Tomato Pocket areas in Bajaur & Mohmand Districts**" sponsored under Annual Development Program (ADP). A Farmer's Field School (FFS) training on "**Onion Crop Management Practices and farmers' Linkages with Major Vegetable Markets**" was given to the farmers of Bajaur and Mohmand Agencies in The University of Agriculture, Peshawar on October 14 &16, 2022. • Conducted/Delivered Three-days training as a **Resource Person** in the project entitled "**Development of Onion and Tomato Pocket areas in Bajaur & Mohmand Districts**" sponsored under Annual Development Program (ADP). A Farmers' Field School (FFS) training on "**Onion Crop Management Practices and farmers' Linkages with Major Vegetable Markets**" was given to the farmers of Bajaur and Mohmand Agencies in the month of March, 2022. • Conducted a Three-days training as a **Resource Person** in the project entitled "**Support Value Chain in Agriculture Projects Through Private Enterprise Development"** sponsored under Annual Development Program (ADP) being executed by The University of Agriculture Peshawar under the auspices of The Agriculture, Livestock, Fisheries and Cooperative Department, Government of Khyber Pakhtunkhwa. Training on "**Development of Value Chain on Major Fruits and Vegetables in Merged Districts**" was given to the farmers from North and South Waziristan during November 28-30, 2021. • Conducted One-day training as a **Resource Person** to the farmers and Research officers of Newly Merged Districts on "**Integrated Pests Management of Orchards**" organized by the Food and Agriculture Organization (FAO).
Academics Trainings/ Workshops/ Seminars Attended (National and International) (Total: 15)	• Attended One-day Workshop on "**Value Addition of Olive Leaves for Product Development**", Organized by Department of Food Science and Technology, The University of Agriculture, Peshawar-Pakistan, dated April 15, 2026. • Attended One-day Workshop on "**PSF (NSLP) Concept Paper Preparation and Submission**", Organized by Office of Research, Innovation and Commercialization (ORIC), The University of Agriculture, Peshawar-Pakistan, on November 02, 2022. • Attended One-day Seminar on "**Mechanical Rice Transplanting and Practical Demonstration of Kubota Rice Transplanter**", Organized by Department of Agronomy, Faculty of Crop Production Sciences, The university of Agriculture, Peshawar on July 27, 2022. • Attended Two-days Training workshop on "**Experimental/ Statistical Design in Analytical Sciences**", Organized by Pakistan Scientific & Technological Information Centre (PASTIC) and Gulls Association of Pakistan, Sep. 2-3, 2021. • Attended One-day Training workshop on "**Self-Assessment Report Writing and Evaluation Criteria of Agriculture Degree Program**" Organized by the National Agriculture Education Accreditation Council and Quality Assurance Agency, Higher Education Commission at Learning Innovation Hall, HEC, Islamabad, on February 10, 2020. • Attended Two days' Workshop on "**Project Formulation**", Organized by Pakistan Science Foundation, Islamabad at The University of Agriculture, Peshawar-Pakistan, on April 27-28, 2016.

	• Attended One-day training/workshop on "**Urban Environmental Issues**" Conducted by Urban Policy and Planning Unit, P&D Department, Government of Khyber Pakhtunkhwa, Pakistan at Pakistan Academy for Rural Development, Peshawar on May 7th, 2015. • Attended One-day training on "**Microsoft Word Advanced**" in the University of Queensland Gatton Campus Australia on 26.08.2014. • Attended One-day training on "**Research Data Management**" in the University of Queensland Australia Gatton Campus on 19.08.2014. • Attended One-day training on "**Advanced Research Skills**" in the University of Queensland Gatton Campus Australia on 12.08.2014. • Attended One-day training on "**Endnote**" in the University of Queensland Gatton Campus Australia on 07.08.2014. • Participated in Three-days Cascading of AIT based Training program on "**Ensuring Training Effectiveness**", Organized by The University of Agriculture, Peshawar and Higher Education Commission of Pakistan, on July 04-06, 2012. • Participated in Three-days Capacity Building Workshop on "**Governance and Leadership**", Organized by Leonard Cheshire Disability and Development Programme-Pakistan and USAID at Rivoli Guesthouse, University town, Peshawar, on December 29-31, 2011. • Attended One-day training workshop on "**Higher Education Quality Assessment**", Organized by Quality Enhancement Cell, The University of Agriculture, Peshawar-Pakistan, on December 13, 2011. • Attended in Two days Training Workshop on "**Role of Organizations in Rural Development**", Organized by Pakistan Academy for Rural Development, Peshawar, on May 22-23, 2002. • Participated in Two days' Workshop on "**Book-Keeping and Financial Formats**", organized by Trust for Voluntary Organizations at Peshawar, on May 9-10, 2002.
Foreign Academic Visits (Research Activities)	• One Year Master level study in the University of Nottingham UK through the DFID Scholarship. Completed Master in Social Policy and Administration (September 2004 to August 2005). • Six months research visits to the School of Agriculture and Food Sciences, University of Queensland, Australia and worked on **IPM of *Plutella xylostella*** (L.) through the application of various extracts under the Supervision of Prof. **Dr. Errol Hassan** and **Dr. Dough George** through the Financial Support of Higher Education Commission of Pakistan under the Research Support Initiatives Program (IRSIP) from June, 14 to December 8, 2014.

Research Publications (Total: 57)	1. Shahid Sattar, **Bashir Ahmad**, Muhammad Salim and Imtiaz Khan. (2026). Comparative efficacy of some low-cost techniques for monitoring fruit flies (Diptera: Tephritidae) in guava orchards in Pakistan. International Journal of Pest Management. (Impact Factor: 1.5, Quartile: Q2, HEC Status: W Category). DOI: https://doi.org/10.1080/09670874.2026.2747876 2. **Ahmad, B**., Khan, I., Bhatti, I. B., Khan, M. A., Abdul Latif, Mushtaq, M., Pirzado, S. M., & Ejaz-ul-Haq. (2026). Efficacy of Different Insecticides in Tomato Field against Aphid, Myzus Persicae (Sulzer). *Indus Journal of Bioscience Research*, *4*(51), 116-119. https://doi.org/10.70749/ijbr.v4iS1.3157 3. Salim M., A. Qadar, A.U.R. Saljoqi, S.S. Khan, A. Usman, H. Khan, S.A. Khan, **B. Ahmad** and A. Gokce. 2025. Effects of different seed dressers and varietal response of maize against maize stem borer, *Chilo partellus* (swinhoe) (lepidoptera: pyralidae) infestation. *Sarhad Journal of Agriculture*, 41(2): 842-851. **DOI** | https://dx.doi.org/10.17582/journal.sja/2025/41.2.842. 4. Salim, M., Arsalan Arif, Muhammad Ayaz, Ahmad Ur Rahman Saljoqi, AyhanGökçe, Haroon Khan, Shahid Sattar, **Bashir Ahmad** and Shah Alam Khan. 2025. Impact of synthetic insecticides on the life table parameters of *Trichogramma chilonis* under laboratory conditions. *Sci Rep* **15**, 3900. (2025). https://doi.org/10.1038/s41598-025-87153-x 5. Ijaz Ullah, **Bashir Ahmad**, Imtiaz Khan, Mansoor Khan, Manzoor Ahmed, Abdul Latif, Mohammad Zubair and Asad Ur Rahman. 2024. Management of Jassid, Amrasca Biguttula (Hemiptera: Cicadellidae), Through Synthetic and Botanical Insecticides and Its Effects on Associated Natural Enemies in Okra Crop. INDUS JOURNAL OF BIOSCIENCE RESEARCH. https://induspublishers.com/IJBR ISSN: 2960-2793/ 2960-2807 6. Imtiaz Khan, **Bashir Ahmad**, Ahmad Ur Rahman Saljoqi, & Javed Khan. (2024). Efficacy of different IPM tool against *Pyrilla perpusilla* under laboratory and field conditions. *Journal of Population Therapeutics and Clinical Pharmacology*, *31*(4), 1366–1382.DOI. https://doi.org/10.53555/jptcp.v31i4.5811.' 7. Wajih Ullah, **Bashir Ahmad**, Javed Khan, Imtiaz Khan, Said Hussain Shah, Abdollah Karami and Misbahud din. 2023. Life table attributes and feeding efficiency of *Oenopia sauzeti* (Mulsant) (Coleoptera: Coccinellidae) fed on aphid (*Aphis gossypii*). Pakistan Journal of Science, 75(2): 235-243. DOI| https://dx.doi.org/10.57041/pjs.v75i02.869. 8. Imtiaz Khan, **Bashir Ahmad**, Ahmad Ur Rahman Saljoqi, Shah Alam Khan, Javed Khan and Muhammad Azim Khan. 2023. Population trend of sugarcane leafhopper, *Pyrilla perpusilla* on different sugarcane varieties with biotic and abiotic factors. Sarhad Journal of Agriculture, 39(2): 495-509. DOI| https://dx.doi.org/10.17582/journal.sja/2023/39.2.495.509. 9. Ahmad-Ur-Rahman Saljoqi, Imtiaz Khan, Ijaz Ahmad, Javed Khan, Shahid Sattar, **Bashir Ahmad** Khan and Muhammad Salim. 2023. Potential of *Chrysoperla carnea* (Stephens) (Neuroptera: Chrysopidae) fed on aphid, *Myzus persicae* (Sulzer) (Hemiptera: Aphididae) under controlled conditions. Sarhad Journal of Agriculture, 39(2): 479-489. DOI | https://dx.doi.org/10.17582/journal.sja/2023/39.2.479.489.

10. Shazia Rehman, **Bashir Ahmad**, Rashid Khan, Muhammad Ilyas, Ayesha Irum, Muhammad Arif, Imtiaz Khan, Sehrish Jamil, Muhammad Muzaffar Raza, Muhammad Jamil, Noor Muhammad and Faran Muhammad. 2022. Factors responsible for resistance in okra against aphid, *Aphis gossiypii* Glover (Homoptera: Aphididae). Journal of Bioresource Management, 9 (4): 114-122. Online: https://corescholar.libraries.wright.edu/jbm/vol9/iss4/13/.
11. Younas Saeed, **Bashir Ahmad**, Hafiz Muhammad Faisal Ayub, Waseem Hayat, Shahbaz Ahmad, Inham Ul Haq , Mofazal Alam, Arsalan Ali, Muhammad Haris Safi and Naveed Ul Haq. 2022. Efficacy of various plant extracts and synthetic insecticide against whitefly and *Epilachna* beetle in brinjal crop. Journal of Xi'an Shiyou University, Natural Science Edition, 18(12): 1232-1255. https://xisdxjxsu.asia (Impact Factor Journal)
12. M.S., Khan, F.Ullah, **B. Ahmad**, F.M. Mian, S. Ahmad, D. Mohammad, S.A. Shamshar, Paul-André Calatayud and N.U. Haq. 2022. Population dynamics of *Drosophila suzukii* (Diptera: Drosophilidae) in Peshawar and its distribution in Khyber Pakhtunkhwa province of Pakistan. Journal of Xi'an Shiyou University, Natural Science Edition. (18)11: 432-444. https://www.xisdxjxsu.asia/V18I11-41.pdf.
13. Khadim Dawar, Aftab Ahmed Khan, Mohammad Mofizur Rahman Jahangir, Ishaq Ahmad Mian, Bushra Khan, **Bashir Ahmad**, Shah Fahad, Mahmoud Moustafa, Mohammed Al-Shehri, Muhammad Mubashir, Rahul Datta, and Subhan Danish. 2022. Effect of nitrogen in combination with different levels of sulfur on wheat growth and yield. ACS Omega. 8(1): 279-288. DOI| https://doi.org/10.1021/acsomega.2c04054.
14. Nehar Ullah, Maqsood Ur Rehman, **Bashir Ahmad**, Irshad Ali, Muhammad Younas, Muhammad Sagheer Aslam, Atta-ur Rahman, Ensiyeh Taheri, Ali Fatehizadeh and Mashallah Rezakazemi. 2022. Assessment of heavy metals accumulation in agricultural soil, vegetables and associated health risks. PLoS ONE 17(6): e0267719. DOI| https://doi.org/10.1371/journal.pone.0267719.
15. Nadia Masaya Panduro-Tenazoa, Ashraf Khan, Sohail Aslam, Irfan Ahmed, Sana Zaryab, Shahid ullah, Sani Begum, Muhammad Salman, **Bashir Ahmad**, Muhammad Ashfaque, Imtiaz Khan, Imran Qazi and Murad Muhammad. 2022. The life cycle of Fall Armyworm (FAW), *Spodoptera frugiperda* and toxicity of botanicals against 2nd instar larvae on maize. Bioscience Research, 19(2): 1223-1228. Available online: www.isisn.org
16. Sarah Allah Dada, Javed Khan, **Bashir Ahmad**, Imtiaz Khan, Aisha Irshad, Rafia Saif and Ali Waqar. 2021. Entomopathogenic efficacy of *Beauvaria bassiana* and *Bacillus thurengiensis* against aphid (*Aphis gossypii*) Glover on okra under field conditions. International Journal of Biosciences, 18(6): 268-272. DOI| https://doi.org/10.12692/ijb/18.6.268-272.
17. Muhammad Jamil, Muhammad Kashif, **Bashir Ahmad**, Bibi Sadia, Imtiaz Khan, Imran Qazi, Muhammad Fahimullah Khan, Mubarik Ali, Muhammad Rasheed and Muhammad Rehan Arif. 2021. Wound Healing Efficacy of Honey, Aloe Vera, and Turmeric. Pakistan Bio Medical Journal, 4(2). 26-35. DOI| https://doi.org/10.54393/pbmj.v4i2.141.
18. Arbab Zubair Ahmad, Farman Ullah, Hayat Badshah, Muhammad Shehzad Khan and **Bashir Ahmad**. 2021. Effect of bio-chemical properties of various grains on the quality rearing of factious host, *Sitotroga cerealella* (Olivier) and its subsequent effect on *Trichogramma chilonis* in vitro. Sarhad Journal of Agriculture, 37(4): 1442-1449. DOI| https://dx.doi.org/10.17582/journal.sja/2021/37.4.1442.1449

19. Kiran Shahjeer, Gauhar Rehman, Toheed Iqbal, Ali Muhammad, **Bashir Ahmad**, Muhammad Qasim Kakar and Gul Zamin Khan. 2021. Biodiversity of Genus Camponotus Mayr (Hymenoptera: Formicidae) from Khyber Pakhtunkhwa, Pakistan. Mitteilungen Klosterneuburg, 71(5): 1-18. Online: www.mitt-klosterneuburg.com.

20. Akhtar Ali, **Bashir Ahmad**, Muhammad Suhail and Irfan Ullah. 2021. Measurement of In-situ unsaturated hydraulic conductivity using inverse approach. International Journal of Modern Agriculture, 10(2): 3382-3403. Online: http://www.modern-journals.com/index.php/ijma/article/view/1181.

21. K. Badshah, F. Ullah, **B. Ahmad**, Shakil , S. Alam, M. Ullah, M. Jamil and S. Sardar. 2020. Management of *Lycoriella ingenua* (Diptera: Sciaridae) on oyster mushroom (*Pleurotus ostreatus*) through different botanicals. Int. J. Tropical Insect Sci., 41, 1435-1440. DOI| https://doi.org/10.1007/s42690-020-00341-2.

22. Ahmad-Ur-Rahman Saljoqi, Muhammad Zubair Khan, Ayesha Bibi, Muhammad Shehzad Khan and **Bashir Ahmad**. 2020. Biochemical characterization and management of tomato stem rot with boron and plant biocides. Sarhad Journal of Agriculture, 36(2): 541-547. DOI| http://dx.doi.org/10.17582/journal.sja/2020/36.2.541.547.

23. Anwar Hussain, Afzaal Muhammad, Umer Hayat, **Bashir Ahmad**, Murtaza Ali, Kholod Khalid Mohammed Boathor and Saif Ullah. 2019. Response of rice cultivars and insecticides against Rice stem borer (*Scirpophaga incertulus*) in Pakistan (Swat). Journal of Biodiversity and Environmental Sciences, 15(2): 88-94.

24. **Bashir Ahmad**, Anees Khan, Ahmad-Ur-Rahman Saljoqi, Shahid Sattar, Hayat Zada, Hayat Badshah and Nasir Mehmood. 2018. How dichloromethane and methanol neem seed extracts affect cotton mealybug (*Phenacoccus solenopsis*) mortality and emergence of an encrypted parasitoid (*Aenasius bambawalei*) under laboratory conditions. Proceedings of the Pakistan Congress of Zoology, 38: 97-111.

25. Ahmad-Ur-Rahman Saljoqi, Imtiaz Khan, **Bashir Ahmad**, Fazal Maula and Sardar Hussain. 2019. Response of different tomato cultivars against aphid, *Myzus persicae* (Sulzer) and its associated natural enemies in district Swat. Sarhad Journal of Agriculture, 35(4): 1029-1038. DOI| http://dx.doi.org/10.17582/journal.sja/2019/35.4.1029.1038.

26. Hayat Zada, Ahmad-Ur-Rahman Saljoqi, Ijaz Ali, **Bashir Ahmad**, Abdul Waheed Khan and Shabeer Ahmad. 2019. Molecular characterization of codling moth *Cydia pomonella* (Linnaeus) (Lepidoptera Tortricidae) in Swat valley Pakistan using Randomly Amplified Polymorphic DNA (RAPD) polymerase chain reaction. Pak. J. Zool., 51(4): 1547-1554. DOI| http://dx.doi.org/10.17582/journal.pjz/2019.51.4.1547.1554.

27. **Bashir Ahmad**, Nasir Mehmood, Kamran Sohail, Ahmad-Ur-Rahman Saljoqi, A. Khan, Abdur Rab, Hayat Zada, and Saddam Hussain. 2019. In vitro management of the diamondback moth (*Plutella xylostella* L.) through different concentrations of Parthenium and neem extracts. Journal of agricultural Science and technology, 21(3): 659-669. Online: http://jast.modares.ac.ir/article-23-15036-en.html (IF. 0.89).

28. Javed Khan, Muhammad Zakria, Ahmad-Ur-Rahman Saljoqi, Ehsan Ul Haq, Ashraf Khan, Awais Rasool, Imtiaz Khan, Rabia Ali, Irfan Ahmad and **Bashir Ahmad**. 2019. Studies on the biological attributes and parasitic potential of *Trichogramma chilonis* (Ishii) reared on *Sitotroga cerealella* (Olivier) and *Corcyra cephalonica* (Stainton) eggs under laboratory conditions. International Journal of Entomology Research, 4(5): 36-41. Online: www.entomologyjournals.com.

29. Imtiaz Khan, Ahmad-Ur-Rahman Saljoqi, Fazal Maula, **Bashir Ahmad** and Javed Khan. 2019. Evaluation of different potato varieties against potato aphid, *Myzus persicae* (Sulzer). International Journal of Botany Studies, 4(5): 08-13. Online: www.botanyjournals.com.

30. Muhammad Shehzad Khan, Farman Ullah, Hayat Badshah , **Bashir Ahmad**, Inayat Ali Shahjehan and Paul-André Calatayu. 2019. Bait attractants based on artificial fruit-essence for trapping and monitoring *Drosophila suzukii* (Diptera: Drosophilidae) females in Peshawar-Pakistan. Phytoparasitica, 47(2): 179-184. DOI| https://doi.org/10.1007/s12600-019-00724-3.

31. **Bashir Ahmad**, Walid Khan, Ahmad-Ur-Rahman Saljoqi, Shahid Sattar, Hayat Zada, Fazal Maula and Saddam Hussain. 2019. Management of onion seed worm (*Helicoverpa armigera*) associated with onion seed crop in Swat valley of Khyber Pakhtunkhwa. Pure and Applied Biology, 8(1): 68-77. DOI| https://dx.doi.org/10.19045/bspab.2018.700165.

32. Inzimamul Haq, Shahid Sattar, **Bashir Ahmed**, Qamar Zeb and Amjad Usman. 2018. Compatibility of chemical and biological control for the management of maize stem borer, *Chilo Partellus* (Swinhoe) (Lepidoptera; Pyralidae). Sarhad Journal of Agriculture, 34(4): 896-903. DOI| http://dx.doi.org/10.17582/journal.sja/2018/34.4.896.903.

33. Hayat Zada, **Bashir Ahmad**, Errol Hassan, Ahmad Ur Rehman Saljoqi, Hafsa Naheed and Muhammad Salim. 2018. Toxicity potential of different Azadirachtin against *Plutella xylostella* (Lepidoptera; Plutellidae) and its natural enemy, *Diadegma* species. Journal of Agronomy and Agricultural Science 1(1): 003. DOI| http://dx.doi.org/10.24966/AAS-8292/100003.

34. Errol Hassan, Hayat Zada and **Bashir Ahmad.** 2018. Effect of different neem extracts on *Plutella xylostella* (Lepidoptera; Plutellidae) under laboratory conditions. Journal of Agricultural and Crop Sciences, 1(1): 1-5. DOI| http://dx.doi.org/10.31872/2018/JACS-100101.

35. **Bashir Ahmad**, Ahmad-Ur-Rahman Saljoqi, Hayad Zada, Shahid Sattar, Toheed Iqbal, Saddam Hussain and Muhammad Saeed. 2018. Effect of weather on diamond back moth, *Plutella xylostella* (L.) (Lepidoptera: plutilidae) in district Haripur. Sarhad Journal of Agriculture, 34(1): 209-214. DOI| http://dx.doi.org/10.17582/journal.sja/2018/34.1.209.214.

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Registered/Approved Crop Variety/Hybrid:

Name of Hybrid/Variety:	IBGE-Sarson
Name of Crop Species:	Brassica Rapeseed (*Brassica napis X Brassica compestris* L.)
Name of Institute/Station:	IBGE-Peshawar
Area of Adoptability:	Rain-fed and irrigated areas of Khyber Pakhtunkhwa-Pakistan
Date of Approval:	April 28, 2022.
The **"IBGE-Sarson**" was approved by the Provincial Seed Council in its 41st meeting held at the Agricultural Research Institute Tarnab Peshawar on 20-01-2022 and notified by the Government of Khyber Pakhtunkhwa, Agriculture, Livestock and Cooperative Department Peshawar via Notification No. SOAII (AD)7(8)2022/Vol-16 dated April 28, 2022 for cultivation in the respective Agro-ecological zones of Khyber Pakhtunkhwa-Pakistan.	

Research Patent in Process:

Application No.	771/2025
Filing Date	07/10/2025
Title	Method for development of functional Mint Lemonade using Stevia as a sweetener and *Caralluma tuberculata* extract as a natural preservative.
Applicants	Dr. Ali Muhammad, Prof. Dr. Muhammad Ayub, Prof. Emeritus Jehan Bakht, Dr. Yasir Durrani, Dr. Bashir Ahmad, Dr. Fayaz Ahmad (Senior Research Offier), Dr. Irfan Ullah, Prof. Dr. Muhammad Arif

Title:

List of PhD Students under Supervision/Supervised

S. No.	Name of Student	Research Proposed Title/Working Areas	Status	Session
2	Imtiaz Ali Khan	Management and genetic diversity of sugarcane leafhopper, *Pyrilla perpusilla* Walker (Lophopidae: Hemiptera).	Produced	2018-2021
1	Muhammad Shehzad Khan	Spatial distribution, genetic makeup and management of spotted wing drosophila, *Drosophila suzukii* (Mats.) in strawberries at Khyber Pakhtunkhwa-Pakistan.	In Process	2018-2021
3.	Kanwal Jehangir	Management of the root-knot nematode, *Meloidogyne hapla* through Cultural, Chemical and Biological Practices in onion crop.	In Process	2021-2024

Summary of M.Sc. (Hons) Students Supervision:

S. No.	Degree Status	Number
1.	No. of M.Sc. (Hons) students supervised and awarded degree (Completed)	26
2.	No. of M.Sc. (Hons) students currently under supervision (In progress)	06

Detail List of M.Sc. (Hons) Students Supervised (Total=25):

S.No.	Name of Student	Research/Thesis Title	Year
1.	Waqas Ali	Comparative efficacy of synthetic insecticides and botanical extracts against the tomato fruit borer, *Helicoverpa armigera* (Hubner) in tomato crop.	2015
2.	Anees Khan	Efficacy of dichloromethane and metha extracts of neem seed against cotton mealybug (*Penacoccus solenopsis*) and its effect on the parasitism and emergence of an encyrtid parasitoid (*Aenaesius bambawalei*) under laboratory condition.	2016
3.	Nasir Mehmood	Efficacy of Parthenium extracts against diamondback moth (*Plutella xylostella* L.) under laboratory conditions.	2016
4.	Saddam Hussain	Management of onion thrips, *Thrips tabaci* through different techniques on onion crop.	2017
5.	Sajid Hussain	Chemical control of pea leaf miner *Phytomyza horticola* (Diptera: Agromyzidae) in Swat valley of Khyber Pakhtunkhwa.	2017
6.	Anwar Hussain	Response of rice cultivars and insecticides against rice stem borer (*Scirpophaga incertuus)* in Swat.	2017
7.	Muslim Shah	Studying the effect of two different insecticides along with botanical extracts on population of *Thrips tabaci* (Thysonoptera: Thripidae) and *Crysoperla carnea in* garlic crop.	2017
8.	Mushtaq Ahmad	Management of Maize Stem Borer (*Chilo partellus* Swinhoe) Through Plant Extracts and *Trichogramma chilonis* (Ishii) along with Screening of Maize Cultivars	2018
9.	Walid Khan	Management of onion bud worm on onion seed crop in Swat valley.	2018
10.	Shah Faisal	Effect of sowing dates and varietal resistance on the population of wheat aphids (Hemiptera: Aphididae) and yield of wheat.	2018
11.	Kashif Badshah	Management of Dark Winged Fungus Gnats (*Lycoriella ingenua,* Sciaridae: Diptera) through different botanicals on Oyster mushroom (*Pleurotus* species)	2019
12.	Kanwal Jehangir	Biological attributes and food consumption rate on *Harmonia dimidiate* (Coleoptera: Coccinellidae) fed on *Sitotroga cerealella* (Lepidoptera: Gelechiidae) eggs under controlled conditions.	2020
13.	Obaid Ullah	Management of onion thrips (*Thrips tabaci*) through synthetic insecticide and different botanical extracts in onion crop.	2021
14.	Younas Saeed	Efficacy of various plant extracts and Synthetic insecticide against whitefly and *Epilachna* beetle in brinjal crop.	2021
15.	Wajih Ullah	Life table attributes and feeding efficiency of *Oenopia sauzeti* (Mulsant) (Coleoptera: Coccinellidae) fed on *Aphis gossyphi*, aphid.	2021
16.	Wajid Ali	Screening of different canola lines against canola aphid (*Lipaphis erysimi*) (Kalt) (Homoptera: Aphidadae) under field conditions.	2021
17.	Muhammad Imran	Ecofriendly management of termites *Heterotermes indicola* (Isoptera: Rhinotermitidae) through plants extracts.	2021
18.	Shabeer Ahmad	Efficacy of different traps for the management of cucurbit fruit fly, *Bactrocera cucurbitae* in bottle gourd, *Lagenaria siceraria* in two districts of Khyber Pakhtunkhwa-Pakistan.	2022

19.	Abdullah	Response of wheat genotypes to the population density of wheat aphids, natural enemies and its subsequent effect on the yield and yield components of wheat.	2022
20.	Syed Waqif Hussain	Effect of different concentrations of Thiamethoxam and Lambda cyhalothrin on sucking pests of okra (*Abelmoschus esculentus* L.) under field conditions.	2023
21	Mr. Azhar Khalil	Response of selected pea varieties against pea leaf miner *Phytomyza jorticola* gourreau (Diptera:Agromyzidae).	2024
22	Mr.Asad Khan	Studying the resistance of genotypes against bird cherry oat aphid (*Rhopalosiphum padi*).	2024
23	Mr. Ijaz Ullah	Management of Jassid, *Amrasca biguttula* (Hemiptera:cicadellidae), through synthetic & botanical insecticides & its effects on associated natural enemies in okra crop.	2024
24	Mr. Haleem Muhammad	Evaluation of selected pea genotypes (*Pisum sativaum* L.) against pea aphid (*Acrythosiphon pisum*.) & its effects on yield & yield components.	2024
25	Saif Ullah	Field efficacy of plant extracts and synthetic insecticides against *P. Rapae* (*Pieris rupae* L.) (Lepedoptera: Pieridae) in Cabbage crop.	2025
26	Naveed Iqbal	Efficacy of different insecticides and botanicals extracts against pod borer (*Etielia zinckenella*) under field condition.	2025

Summary of B.Sc. (Hons) Students Supervision:

S. No.	Status	Number
1.	No. of B.Sc. (Hons) students supervised and awarded degree (Completed)	44
2.	No. of B.Sc. (Hons) students currently under supervision (In progress)	04

International Conference Organized (Chief Organizer)	**Title of Conference:** Sustainable Agriculture and Food Security **Status/Responsibility:** **Chief Organizer of the Conference** **Country/Address/Venue:** Summer Campus, Bara Gali (Nathiagali), University of Peshawar **Conference Date/Year:** August 27-31, 2023
International and National Conferences and Workshops Organized *(Member Organizing Committee)*	**1. Conference (Int.) Title:** "**10th International Horticulture Conference and Expo-2026"** **Status/Responsibility:** Organizer/ Member of the Organizing committee in the Conference **Country/Address/Venue:** Department of Horticulture, The University of Agriculture Peshawar-Pakistan **Conference Date/Year:** April 07--09, 2026. **2. Conference Title: 6th International Conference on "Emerging Trends in Engineering, Management and Sciences (ICETEMS-2025)"** **Status/Responsibility:** Organizer/ Member of the Organizing committee in the Conference **Country/Address/Venue:** CITY University of Science and Information Technology Pakistan. **Conference Date/Year:** December 17-18, 2025. **3. Conference Title:** International Conference on " **Climate-Smart Solution for Food Security, Sustainable Agriculture, Seed Production and Storage"** **Status/Responsibility:** Member of the Organizing committee in the Conference **Address/Venue:** Department of Agronomy, The University of Agriculture, Peshawar **Conference Date/Year:** April 29-30, 2025.

4. Conference (Int.) Title: "**Advances in Seed Storage Techniques"**
Seed and Food Storage, Fruit processing and preservation, packaging and storage conditions
Status/Responsibility:
Organizer/ Member of the Organizing committee in the Conference
Country/Address/Venue:
Department of Agronomy, The University of Agriculture Peshawar-Pakistan
Conference Date/Year: April 25--26, 2024.

5. Conference (Int.) Title: 2nd International Conference on Computing Technologies, Tools & Applications

Status/Responsibility: Organizer/ Member of the Organizing committee in the Conference
Country/Address/Venue: Institute of Computer Sciences and Information Technology (ICS/IT), The University of Agriculture Peshawar-Pakistan
Conference Date/Year: June 4-6, 2024.

6. Conference (Int.) Title: 1st International Conference on Computing Technologies, Tools & Applications

Status/Responsibility: Organizer/ Member of the Organizing committee in the Conference
Country/Address/Venue: Institute of Computer Sciences and Information Technology (ICS/IT), The University of Agriculture Peshawar-Pakistan
Conference Date/Year: May 9-11, 2023.

7. Conference (Int.) Title:
Food Security through Sustainable Agriculture Strategies in the Current Climate Change Scenario
Status/Responsibility:
Organizer/ Member of the Organizing committee in the Conference
Country/Address/Venue:
Department of Plant Protection, The University of Agriculture, Peshawar, Pakistan
Conference Date/Year: March 8-10, 2023.

8. Conference Title: 17th National Weed Science Conference on "Food Security through Sustainable Vegetation Management"
Status/Responsibility:
Organizer/ Member of the Organizing committee in the Conference
Country/Address/Venue:
Faculty of Agricultural Sciences, University of the Punjab-Lahore Pakistan (Weed Science Society of Pakistan).
Conference Date/Year: October 27-28, 2022.

8. Conference (Int.) Title: Food Security through Sustainable Plant Protection strategies
Status/Responsibility:
Organizer/ Member of the Organizing committee in the Conference
Country/Address/Venue:
Deptt. of Plant Protection, The University of Agriculture, Peshawar, Pakistan
Conference Date/Year: January 16-20, 2022.

	9. Conference (Nat.)Title: <u>Agricultural Problems and Food Security in the Changing Climate</u> **Status/Responsibility:** Organizer/ Member of the Organizing committee in the Conference **Country/Address/Venue:** The University of Agriculture, Peshawar, Pakistan **Conference Date/Year:** November 14-17, 2018.
	10. Workshop/Training Organized (Nat.)Title: <u>Experimental/ Statistical Design in Analytical Sciences"</u> **Status/Responsibility:** Organizer/ Member of the Organizing committee in the Conference **Country/Address/Venue:** The University of Agriculture, Peshawar, Pakistan **Sponsoring Agency:** Pakistan Scientific & Technological Information Centre (PASTIC) and Gulls Association of Pakistan **Training Date/Year:** September 2-3, 2021.

Conferences/Seminars Attended (International and National)

S. #.	Conference Title	Country/Address/Venue	Participated /Presentation	Date/Year
1.	Sustainable Agriculture and Food Security	Summer Campus, Bara Gali (Nathiagali), University of Peshawar	Session Chair and orally presented research papers	Aug 27-31, 2023
2.	National conference on "Plant Sciences and Climate Change"	Shaheed Benazir Bhutto University, Shringal, Dir Upper, KP-Pakistan.	Participated as a researcher	Aug 9-11, 2023
3.	National Conference on "Beneficial Microbes and Sustainable Crop Production"	Department of Agronomy, The University of Agriculture Peshawar, Pakistan	Participated as a researcher	Feb 19-20, 2020
4.	International forum on "Global Infrastructure Construction and Education for One Belt One Road Initiative 2019"	The University of Agriculture, Peshawar	Participant	Aug 29-30, 2019
5.	International Conference on "Biofortification of staple food crops	The University of Agriculture, Peshawar, Pakistan	Participated as a researcher	Sep 24-26, 2018
6.	National Conference on "Climate Smart Agriculture and Crop Modeling"	Department of Agronomy, The University of Agriculture, Peshawar, Pakistan	Orally Research Paper Presented in the conference	Apr 18-19, 2018
7.	International "38th Pakistan Congress of Zoology"	Deptt. of Zoology, University of the Punjab, Lahore, Pakistan	Orally Research Paper Presented in the Conference	Feb 27 to March 01, 2018
8.	Climate Change: threats to Agriculture and Food Security	The University of Agriculture, Peshawar, Pakistan	Orally Research Papers Presented in the conference	Nov 22-24, 2017
9.	National Conference on "Prospects and Opportunities for Agricultural Development in Pakistan"	Khanispur, Ayubia Department of Agriculture, University of Haripur	Participant	June 25-27, 2013

Prof. Dr. Bashir Ahmad