
MARYAM MUMTAZ
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Professional Experience :

Research Officer- CAB International (October, 2022- January, 2024)

- Worked under the guidance and supervision of Project Manager.
- Developed work plans aligned with the project objectives - with advice and support of project partners.
- As part of the project team, designed and undertook relevant research, surveys and assessments to develop better understanding of MRLs & SPS issues particularly in Asia.
- Worked in close collaboration with Aflatoxin control team.
- Gained hands on experience of Aflatoxin testing by collecting samples from different localities of Rawalpindi and Islamabad at Aflatoxin Testing Laboratory.
- Managed track record of the work plans associated with the relevant project partners and submission of weekly, monthly, quarterly, annual, and any emerging reports.
- Synthesized and published the facts, reports and data to effectively promote CABI's engagement and impact for the funders and partners for enhanced organizational visibility.
- Maintained good working relationships with government and private sector project partners / stakeholders.
- Contributed towards publishing science-oriented work in renowned peer reviewed journals.

Research Assistant- Food and Agriculture Organization (August 2020-June 2021)

- Assisted in designing and organization of training workshops for Department of Plant Protection, Provincial agriculture Departments and other stakeholders' professionals in Desert Locust Biology, Surveillance and Control Strategies/operations.
- Assisted in improving linkages/collaboration of FAO Pakistan Information Management Unit (IMU) with DPP and provincial agriculture departments and other stakeholders involved in desert locust surveillance, mapping and generated information/data access.
- Facilitated in promoting awareness through seminars/field days involving farming communities (including women) with the support of provincial agriculture departments in order to educate them in adopting appropriate safety measures as well as avoiding women and children exposure from hazardous impact of agro-chemicals/pesticides in desert locust affected areas.
- Assisted in locust impact and risk assessment and developing risk management actions for safety of human and animal health as well as natural resources like soil, water etc.
- Assisted in locust monitoring and surveillances program on locust.

Research Experience (September 2018- June 2021)

- Worked as a Researcher majored in “Agricultural Entomology and Pest Control” in a project entitled “Response of Predatory Mite *Neoseiulus californicus* at different temperature stresses” at Sichuan Agricultural University, China.

Assistant Entomologist - District Health Authority (November 2017- July 2018)

- Combat Dengue virus transmission as much as possible.
- Daily monitoring of assigned Union councils.
- Supervision of dengue surveillance teams to monitor Anti-dengue activities.
- Meetings with the union council's health team to review every day's surveillance plan.
- Field visits to monitor ongoing dengue control operations, especially pesticide preparation and application process to confirm that exact dosage of pesticide is being used.
- Practical demonstration to teams on identification of larval and adult stages of Dengue mosquito.
- Awareness creation in general public on possible damages, prevention and control of Dengue virus.
- Daily meetings with focal person to discuss ongoing situation of dengue virus.
- Weekly meetings with Technical Advisory Committee (TAC) and Tehsil Emergency Response Committee (TERC) chaired by Deputy Commissioner to share pest situation and management strategies.

Academics:

- **M.Sc.(Hons) Agriculture Entomology**
PMAS Arid Agriculture University Rawalpindi
(2015-2017)
CGPA: 4.00/4.00
 - **B.SC (Hons) Agriculture**
PMAS Arid Agriculture University Rawalpindi
(2011-2015)
CGPA: 3.92/4.00
 - **Intermediate**
Fauji Foundation Inter College Kallar Kahar
2009-2011
79%
 - **Matriculation**
Fauji Foundation Model School Bhaun
2007-2009
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Skills:

Computer

- Highly proficient at Excel, Word and PowerPoint.

Presentation

- Ability to produce report and presentations to a professional standard.

Organizational

- Effective at time management and prioritizing tasks to achieve deadlines.

Interpersonal/communications

- Strong team working
- Leadership
- Strong communication skills

Language

- Proficient in English and Urdu

Achievements:

- Got **Gold Medal** on getting **first position** in M.Sc (Hons.) Entomology
- Two years **Research Experience** certificate from **Sichuan Agricultural University China**
- Got two appreciation certificates from two workshops regarding “**Apiculture**” and “**Kitchen Gardening**”
- Appreciation certificates by participating in different **Exhibitions**
- **INTERNSHIP** certificate from Federal Seed Certification Department
- Appreciation certificate by working as “**Junior Entomologist**” in CM **Dengue cell**
- Appreciation certificate of “**Best Presenter**”
- Got **PEEF** scholarship on merit basis both in B.Sc and M.Sc (Hons.) Entomology
- Got **Talent scholarship** on getting 4 Cgpa in each semester during M.Sc (Hons)

Publications:

- **Maryam Mumtaz**, Vattakandy Jasin Rahman, Tahseen Saba, Tingting Huang, Yuxin Zhang, Chunxian Jiang, and Qing Li. 2023. Functional response of *Neoseiulus californicus* (Acari: Phytoseiidae) to *Tetranychus urticae* (Acari: Tetranychidae) at different temperatures. **PeerJ** (IF 2.7) <https://doi.org/10.7717/peerj.16461>.
 - Sajad Hussain, Li Shuxian, **Maryam Mumtaz**, Iram Shafiq, Nasir Iqbal, Marian Brestic, Muhammad Shoaib, Qin Sisi, Wang Li, Xu Mei, Chen Bing, Marek Zivcak, Anshu Rastogi, Milan Skalicky, Vaclav Hejnak, Liu Weiguo, Wenyu Yang (2021). Foliar application of silicon improves stem strength under
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- low light stress by regulating lignin biosynthesis genes in soybean (*Glycine max* (L.) Merr.), **Journal of Hazardous Materials** (IF 14.01) doi.org/10.1016/j.jhazmat.2020.123256.
- Sajad Hussain, **Maryam Mamtaz**, Sumaira Manzoor, Li Shuxian, Irshan Ahmed, Milan Skalicky, Marian Brestic, Anshu Rastogi, Zaid Ulhassan, Iram Shafiq, Suleyman I. Allakhverdiev, Haris Khurshid, Wenyu Yang, Weiguo Liu (2020). Foliar application of silicon improves carbon metabolism in soybean in soybean (*Glycine max* (L.) Merr.), **Plant Physiology and Biochemistry** (IF 5.19). doi.org/10.1016/j.plaphy.2020.11.053.
- Sajad Hussain, Iram Shafiq, Muhammad Sohaib Chattha, **Maryam Mumtaz**, Marian Brestic, Anshu Rastogi, Guopeng Chen, Suleyman I. Allakhverdiev, Weiguo Liu, Wenyu Yang. (2021). Effect of Ti application on growth, phosphorus uptake and yield of soybean under maize-soybean relay strip intercropping, **Environmental and Experimental Botany** (IF 6.4). doi.org/10.1016/j.envexpbot.2021.104476.
- Sajad Hussain, Liu Ting, Nasir Iqbal, Marian Brestic, Ting Pang, **Maryam Mumtaz**, Iram Shafiq, Shuxian Li, Li Wang, Yang Gao, Aaqil Khan, Irshan Ahmad, Suleyman I. Allakhverdiev, Weiguo Liu, and Wenyu Yang Wenyu (2020). Effect of lignin, cellulose, hemicellulose and poly sacharides on growth and yield of different soybeans under intercropping system., **Photochemical and Photobiological Sciences** (IF =3.98). doi.org/10.1039/C9PP00369J.
- Sajad Hussain, Pang Ting, Nasir Iqbal, Iram Shafiq, Milan Skalicky, Marian Brestic, Muhammad E. Safdar, **Maryam Mumtaz**, Aftab Ahmad, Muhammad A. Asghar, Ali Raza, Suleyman I. Allakhverdiev, Yi Wang, Xiao C. Wang, Feng Yang, Taiwen Yong, Weiguo Liu and Yang Wenyu, Acclimation strategy and plasticity of different soybean genotypes in intercropping (2020), **Functional Plant Biology** (IF 5.11). doi.org/10.1071/FP19161.
- Sajad Hussain, Iram Shafiq, Milan Skalicky, Marian Brestic, Anshu Rastogi, **Maryam Mumtaz**, Muzammil Hussain, Nasir Iqbal, Muhammad Ali Raza, Sumaira Manzoor, Weiguo Liu and Wenyu Yang. Foliar application of Ti compensates the phosphorus and shade stress induced inhibited growth under light and shade condtions, **Frontiers in Plant Sciences** (IF 6.6).

References:

Dr. Shakeel Ahmed Khan

FAO Islamabad, Pakistan

E-mail: kshakeel93@yahoo.com

Dr. Farid Asif Shaheen

Assistant Professor PMAS Arid Agriculture University Rawalpindi, Pakistan

E-mail: shaheen@uaar.edu.pk

Dr. Muhammad Naeem

Chairman and Professor PMAS Arid Agriculture University Rawalpindi, Pakistan

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