

Lara Ramzi Jaber, PhD

EDUCATION

- **1997-2001:** B.Sc. Jordan University of Science and Technology, Faculty of Agriculture, Department of Plant Production. Degree conferred 2001, with a cumulative average of **85.6** and a rating of **Excellent**
- **2002-2005:** M.Sc. University of Jordan, Faculty of Agriculture, Department of Horticulture and Plant Protection. Major in Entomology, area of specialization is Integrated Pest Management (IPM). Thesis title **"Integrated Pest Management Program for Controlling *Capnodis carbonaria* and *C. tenebrionis* (Coleoptera: Buprestidae) In Irbid Governate"**. Degree conferred in beginning 2005, with a cumulative average of **3.94** and a rating of **Excellent**
- **2006-2010:** Ph.D. Georg-August-University Goettingen Germany, Faculty of Agricultural Sciences, Department of Crop Sciences/Agricultural Entomology Section. Thesis title **"The effects of the root endophytic fungus *Acremonium strictum* on plant-herbivore interactions"**. Degree conferred in end 2010, **with honors (grade: "summa cum laude")**

JOB EXPERIENCE

- **May 2011-January 2012:** Postdoctoral Scientist at IASMA Research and Innovation Center, Fondazione Edmund Mach, Italy

- **February 2012-October 2014:** Full-time lecturer at the Department of Plant Protection, Faculty of Agriculture, University of Jordan, Jordan
- **July-August 2012:** Visiting scientist at IASMA Research and Innovation Center, Fondazione Edmund Mach, Italy
- **July-September 2013:** Visiting scientist at the Department of Phytomedicine, Geisenheim University, Germany
- **November 2014-January 2017:** Assistant Professor at the Department of Plant Protection, Faculty of Agriculture, University of Jordan, Jordan
- **June-September 2015:** Visiting scientist at Agroscope Reckenholz, Zurich, Switzerland
- **February 2017-Present:** Associate Professor at the Department of Plant Protection, Faculty of Agriculture, University of Jordan, Jordan

HONOR AWARDS and RESEARCH GRANTS

- Four times on the Honor Roll during B.Sc. studies with four Honor Awards **(1997-2001)**
- Four Assistantship Grants during M.Sc. studies **(2002-2005)**
- Funding of M.Sc. studies by the Arab Organization of Agricultural Development (AOAD) **(2002-2005)**
- Co-funding of M.Sc. studies by Bayer CropScience **(2002-2005)**
- Gottlieb Daimler-und Karl Benz-Stiftung / Daimler-Benz Scholarship (in the framework of the program „Research in Foreign Countries“) **(2006)**
- Funding of PhD studies by the Deutscher Akademischer Austausch Dienst (DAAD) / German Academic Exchange Service **(2006-2010)**

- Short-stay research fellowship by the Deutscher Akademischer Austausch Dienst (DAAD) (**July-September 2013**)
- The University of Jordan Research Grant for funding the research project “The innovative use of fungal entomopathogens for the biological control of crop pests and diseases” (**June 2014-June 2018**)

PUBLICATIONS

- Sharaf N & **Jaber LR** (2006) Integrated pest management program for controlling *Capnodis carbonaria* Klug and *C. tenebrionis* L. (Coleoptera: Buprestidae) in Irbid Governate. In: **Proceedings of the Ninth Arab Congress of Plant Protection, Damascus, Syria, 19–23 November 2006, p E-190**
- **Jaber LR** & Vidal S (2009) Interactions between an endophytic fungus, aphids, and extrafloral nectaries: do endophytes induce extrafloral-mediated defences in *Vicia faba*? **Functional Ecology, 23, 707–714**
- **Jaber LR** & Vidal S (2010) Fungal endophyte negative effects on herbivory are enhanced on intact plants and maintained in a subsequent generation. **Ecological Entomology, 35, 25–36**
- **Jaber LR**, Stahlmann H, Tefera T & Vidal S (2010) Establishment of the fungal entomopathogen *Beauveria bassiana* (Ascomycota: Hypocreales) as an endophyte in broad bean and oilseed rape and its potential for insect biocontrol. In: **Proceedings of the 43rd Annual Meeting of the Society of Invertebrate Pathology, Trabzun, Turkey, 11–15 July 2010. p 78**

- Stahlmann H, **Jaber LR**, Vidal S (2010) Interactions of entomopathogenic endophytes with faba bean rust (*Uromyces viciae-fabae*). **Julius-Kühn-Archiv**, 428
- **Jaber LR**, Vidal S & Pertot I (2013) Can endophytic *Beauveria bassiana* protect grapevine against *Plasmopara viticola*? In: **Schneider C, Leifert C & Feldmann F (Eds) Endophytes for plant protection: the state of the art**, Berlin, Germany
- **Jaber LR** & Salem NM (2014) Endophytic colonisation of squash by the fungal entomopathogen *Beauveria bassiana* (Ascomycota: Hypocreales) for managing Zucchini yellow mosaic virus in cucurbits. **Biocontrol Science and Technology**, 24, 1096–1109
- **Jaber LR** & Salem NM (2014) Establishing the fungal entomopathogen *Beauveria bassiana* (Ascomycota: Hypocreales) as an endophyte in cucurbits for managing Zucchini Yellow Mosaic Virus (ZYMV). In: **Proceedings of the 47th Annual Meeting of the Society of Invertebrate Pathology**, Mainz, Germany, 3–7 August 2014. p 14
- **Jaber LR** (2015) Grapevine leaf tissue colonization by the fungal entomopathogen *Beauveria bassiana* s.l. and its effect against downy mildew. **BioControl**, 60, 103–112
- Vidal S & **Jaber LR** (2015) Entomopathogenic fungi as endophytes: plant–endophyte–herbivore interactions and prospects for use in biological control. **Current Science**, 109, 46–54
- **Jaber LR** & Enkerli J (2016) Fungal entomopathogens as endophytes for plant protection: Can they promote plant growth as well? In: **Proceedings of the 49th Annual Meeting of the Society of Invertebrate Pathology**, Tours, France, 24–28 July 2016

- **Jaber LR** & Enkerli J (2016) Effect of seed treatment duration on growth and colonization of *Vicia faba* by endophytic *Beauveria bassiana* and *Metarhizium brunneum*. **Biological control**, 103, 187–195
- **Jaber LR** & Enkerli J (2017) Fungal entomopathogens as endophytes: can they promote plant growth? **Biocontrol Science and Technology**, 1, 28–41
- **Jaber LR** (2017) Editorial – Endophytic fungal entomopathogens with multiple roles for sustainable agriculture. **Arab and Near East Plant Protection Newsletter**, 70, 3
- **Jaber LR** & Araj SE (2018) Interactions among endophytic fungal entomopathogens (Ascomycota: Hypocreales), the green peach aphid *Myzus persicae* Sulzer (Homoptera: Aphididae), and the aphid endoparasitoid *Aphidius colemani* Viereck (Hymenoptera: Braconidae). **Biological control**, 116, 53-61
- **Jaber LR** & Ownley BH (2018) Review: Can we use entomopathogenic fungi as endophytes for dual biological control of insect pests and plant pathogens? **Biological control**, 116, 36-45
- **Jaber LR**, Araj SE, Qasem JR (2018) Compatibility of endophytic fungal entomopathogens with plant extracts for the management of sweetpotato whitefly *Bemisia tabaci* Gennadius (Homoptera: Aleyrodidae). **Biological control**, 117, 164–171
- **Jaber LR** & Alananbeh MK (2018) Fungal entomopathogens as endophytes reduce several species of *Fusarium* causing crown and root rot in sweet pepper (*Capsicum annuum* L.). **Biological Control**, 126, 117-126

- **Jaber LR** (2018) Seed inoculation with endophytic fungal entomopathogens promotes plant growth and reduces Crown and Root Rot (CRR) caused by *Fusarium culmorum* in wheat, ***Planta***, 248, 1525-1535
- **Jaber LR** (2018) Fungal entomopathogens as endophytes: A promising approach towards sustainable agriculture? In: ***Proceedings of the International Conference on Food, Agriculture and Animal Sciences (ICOFAAS)***, Antalya, Turkey, 3–7 October 2018

TALKS

- **DGaaE Entomological Conference** (March 2009, Göttingen, Germany)
- **Max-Planck Institute for Chemical Ecology** (June 2009, Jena, Germany)
- **Multitrophic Interactions Workshop** (March 2010, Göttingen, Germany)
- **43rd Annual Meeting of the SIP** (July 2010, Trabzon, Turkey)
- **47th Annual Meeting of the SIP** (August 2014, Mainz, Germany)
- **Invited Speaker at The National Center for Agricultural Research and Extension Scientific Day** (April 2016, Amman, Jordan)
- **49th Annual Meeting of the SIP** (July 2016, Tours, France)
- **Invited Speaker at the DAAD Orientation Seminar for New Perspective-Scholarship Holders** (September 2016, Amman, Jordan)
- **Invited Keynote Speaker at the 1st International Conference on Food, Agriculture and Animal Sciences (ICOFAAS)** (October 2018, Antalya, Turkey)

TEACHING EXPERIENCE

- **Assistant Instructor at Georg-August University (2008-2010):**

- **Graduate level:**

Biological Control and Biodiversity (*MSc level*)

- **Full-time lecturer (2012-2014), Assistant Professor (2014-2016), and Associate Professor (2017-present) at The University of Jordan:**

- **Graduate level:**

Advanced Biological Control (PhD level)

Insect-plant interaction (PhD level)

Integrated Pest Management (IPM) (MSc level)

- **Undergraduate level:**

Field Training in Plant Protection (BSc level)

Insect vectors of plant diseases (BSc level)

Principles of Biological Control (BSc level)

Principles of Entomology (BSc level)

Principles of Plant Protection (BSc level)

Seminar in Plant Protection (BSc level)

PROFESSIONAL SERVICE

- **Editor:**

- **Biological Control (Elsevier)**

- **Reviewer:**

- **Biological Control** (manuscripts reviewed = 10)

- **Biocontrol Science & Technology** (manuscripts reviewed = 8)

- ***Journal of Applied Entomology*** (manuscripts reviewed = 3)
- ***Jordan Journal of Agricultural Sciences*** (manuscripts reviewed = 3)
- ***Fungal Ecology*** (manuscripts reviewed = 2)
- ***Acta Physiologiae Plantarum*** (manuscripts reviewed = 1)
- ***BioControl*** (manuscripts reviewed = 1)
- ***Comparative Biochemistry and Physiology*** (manuscripts reviewed = 1)
- ***Frontiers in Plant science*** (manuscripts reviewed = 1)
- ***Fungal Biology Reviews*** (manuscripts reviewed = 1)
- ***Insect Science*** (manuscripts reviewed = 1)
- ***Journal of Invertebrate Pathology*** (manuscripts reviewed = 1)
- ***Journal of Pest Science*** (manuscripts reviewed = 1)
- ***Microbial Ecology*** (manuscripts reviewed = 1)
- ***Microbiological Research*** (manuscripts reviewed = 1)
- ***Pest Management Science*** (manuscripts reviewed = 1)
- ***Planta*** (manuscripts reviewed = 1)
- ***Plant Ecology & Diversity*** (manuscripts reviewed = 1)

UNDERGRADUATE & GRADUATE STUDENT TRAINING/SUPERVISION

- ***H. Stahlmann:*** MSc (August 2009 – July 2010)
- ***L. Verano Irazu:*** MSc (October 2009 – February 2010)
- ***D. Khayat:*** MSc (April 2010 – September 2010)
- ***A. Mittelstädt:*** BSc (April 2010 – September 2010)