

Curriculum Vitae

Azzam SALEH

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Entomologist, Ph.D.

Biological approaches for pest control, Integrated Pest Management, Agricultural extension

Personal Information

- *Date of Birth:* January 27, 1970
- *Place of Birth:* Sanour,
- *Nationality:* Palestinian
- *Gender:* Male
- *Place of Birth:* Sanour
- *Marital status:* Married, 1 son

Education

- **April 1998- June 2002**, Ph.D. degree in entomology, with excellent (1.0), department of entomology, institute of phytopathology, university of Bonn, Bonn, Germany. The Ph.D. research is entitled: “Biological and ecological studies on the polyphagous predatory bug *Dicyphus tamaninii* WAGNER (Het., Miridae) as a natural enemy of the melon aphid *Aphis gossypii* GLOVER (Hom., Aphididae)”. The Ph.D. study was done with a full scholarship from the German academic exchange service (DAAD).
- **September 1994 – September 1996**, M.Sc. degree in entomology, with GPA 90.6% (first on class 1996). Faculty of agriculture, University of Jordan, Amman, Jordan. Magna cum laude. GPA obtained was so far the highest since the establishment of the department of plant protection, University of Jordan in 1974. The Master-thesis is entitled: “Bioassays on the toxicities of several insecticides to the house fly *Musca domestica* L. from different regions in Jordan”, and was done with a full scholarship from the German academic exchange service (DAAD), as well as with a teaching assistantship.
- **October 1992 – March 1993**, Diploma in “Olive production, protection and olive oil quality control”, organised by “Istituto di Coltivazioni Arboree di Perugia, Università di Perugia”, “Ente di Sviluppo Agricolo in Umbria”, and “Progetto Sviluppo C.G.I.L., Perugia, Italy.

- **September 1988 – June 1992**, Bachelor degree in plant protection, with Excellent and first on class 1992. faculty of agriculture, University of Jordan, Amman, Jordan. Magna cum laude. GPA obtained was so far the highest since the establishment of the department of plant protection in 1974.
- **1988**, General Secondary School Certificate (TAWJIHI), scientific orientation, with an average of 91.8%. Silat Al-Dahr Secondary School, Silat Al-Dahr, West Bank.

Professional Experience

- (October 1996 - October 1997) Research-project-co-ordinator, Ministry of agriculture, Ramallah, West Bank. Job included: co-ordinating joint research projects on “Pest Management and pesticide-risk-management between the ministry and other governmental and nongovernmental international organisations (UNDP, UNIDO, ICARDA, IFAD, USDA), writing up proposals on the same issue, and being a counterpart for some international consultants.
- (September 1994 - September 1996) Teaching and research assistant, Department of plant protection, University of Jordan, Amman, Jordan. Helped in the following courses: integrated pest management, general entomology, insect taxonomy.
- (December 1993 - September 1994) Research Assistant, Applied Research Institute-Jerusalem (ARIJ). Job included collection of information concerning the important plant pests and pesticide usage in the West Bank as well as in the neighbouring countries, analysis of data, compiling of information on pesticide usage in the Middle East and report and proposal writing.

Professional training

- Advanced course in Nematology: Biology/Diagnose/management “for Ph.D. students”, Institute for phytopathology, University of Bonn. Bonn, Germany. Fall semester 1999/2000
- Participant in the Rotational Advanced Studies Program (RASP), Phytomedicine and plant protection in international agricultural development. Course included: international agricultural research, pesticide toxicology and registration, crop loss assessment, microbial interactions, and advanced methods of diagnosis. The course was organised by institute for phytopathology, University of Bonn, University of Hohenheim, University of Hanover and University of Kiel, Bonn, Germany. Summer semester 1998.
- Course on Integrated Pest Management, organised by Bir Zeit University, Jericho, West Bank. 19 - 27.5.1997.
- Course on “Integrated Pest Management”, organised by MASHAV, Israeli Ministry of Agriculture and Rural Development, Centre for International Agriculture Development Co-operation -CINADCO-, Natanya, Israel. 18 –25.3.1997.
- Workshop on the “Agricultural analysis and planning, utilization of computer software”, organised by UNDP, FAO and the ministry of agriculture, Ramallah, West Bank. 18 - 30.1.1997.

- Course on the “Supporting systems for agriculture”, organised by Centre for International Co-operation -MASHAV- and Development Study Centre -D.S.C.-, Rehovot, Israel. 29.12.1996 - 8.1.1997.
- Participant in a workshop on “Management of agricultural extension Services”, organized by the Palestinian ministry of agriculture and the agricultural co-operative union, Nablus, West Bank, 22 - 26.12.1996.
- Two post graduate courses namely: “Advanced Mycology” and “Ecology of Palestine”, faculty of science (with excellent), An-Najah National University, Nablus, Palestine. Fall semester 1993/1994.

Conferences and workshops attended in the field of entomology and plant protection

- Global Dialogue, 2020 vision: Sustainable food security for all by 2020 from dialogue to action. International Food policy research institute (IFPRI), Federal ministry for international cooperation (BMZ) and GTZ, Bonn, Germany, 4 – 6.9.2001.
- Exhibition: Contribution of agricultural research to the production of safe food, organised by the university of Bonn and the faculty of agriculture, and the ministry of agriculture (North Rhine Westphalia), Bonn, Germany 8 – 10.2.2000.
- Exhibition: Presenting the university of Bonn and at the representative office of North Rein Westphalia to the European Union in Brussels, Belgium. 8 – 10.2.2000.
- Annual academical seminar of the institute for phytopathology, University of Bonn. Bonn. Germany. Fall semester 2001 (with a presentation).
- Entomological seminar, institute for plant diseases, University of Bonn. Bonn, Germany. Fall semester 2000 (with a presentation).
- Annual academical seminar of the institute for phytopathology, University of Bonn. Bonn. Germany. Fall semester 2000. (with a presentation).
- Entomological seminar, Institute for phytopathology, University of Bonn. Bonn. Fall semester 1999 (with a presentation).
- “Entomologists Conference-Düsseldorf”, Deutsche Gesellschaft für allgemeine und angewandte Entomologie eV. DgaaE = (German Society for General and Applied Entomology). Düsseldorf, Germany. 26 - 31.3.2001. (with a presentation).
- Seventh Arab Congress of Plant Protection, Arab society for plant protection. Amman, Jordan. 22 – 26.10.2000. (with a poster).
- 52nd German plant protection conference, (Bundesanstalt für Land- und Forstwirtschaft) = Federal foundation for agriculture and forestry. Weihenstephan by Munich, Germany. 9 - 12.10.2000. (with a poster).
- Entomologists Conference-Basel. (Deutsche Gesellschaft für allgemeine und angewandte Entomologie eV. DgaaE), = German Association for general and applied entomology. Basel, Switzerland. 26 - 31.3.1998.

Courses and workshops attended in complementary fields

- Workshop: “How to establish your own career in the home land successfully”, Federal ministry for international co-operation (BMZ), World university service (WUS), and Task group of afro-asian academics (AAAAA). Kassel, Germany. 4 - 6.6.1999.

- Workshop: ``Return and Reintegration``. World University Service (WUS) Wiesbaden, Germany. 29. – 31.10.1999.
- Workshop: ``Management modernisation``, German federal ministry for international co-operation (BMZ), World university service (WUS), and Task group of afro-asian academics (AAAAA). Goettingen, Germany. 5 - 7.5.2000.
- Workshop: ``Intercultural management and organising of joint-venture-contracts``, German federal ministry for international co-operation (BMZ), World university service (WUS), and Task group of afro-asian academics (AAAAA), Goettingen, Germany. 08 - 10.09.2000.

Publications

- Saleh, A. and C. Sengonca. 2002, Host plant preference and influence of fluctuating prey offer of the cotton aphid on the oviposition by *Dicyphus tamaninii* WAGNER (Heteroptera: Miridae). (in progress).
- Saleh, A. and C. Sengonca. 2002. *Dicyphus tamaninii* Wagner: establishment and efficiency in the control of the melon aphid *Aphis gossypii* Glover on greenhouse cucumber. (in progress). Saleh, A. and C. Sengonca. 2002. Prey preference, interaction with selected natural enemies and alternative nutritional sources for the omnivorous mirid bug *Dicyphus tamaninii* WAGNER (Heteroptera: Miridae). (in progress).
- Saleh, A. and C. Sengonca. 2002. Investigations on the potential damage caused to cucumber by the polyphagous predatory bug *Dicyphus tamaninii* WAGNER (Heteroptera: Miridae) under different nutritional conditions. (submitted)
- Sengonca, C. and Saleh, A. 2002. Prey consumption by *Dicyphus tamaninii* WAGNER (Heteroptera: Miridae) with *Aphis gossypii* GLOVER (Homoptera, Aphididae) as prey under different temperatures. J. Plant Diseases Protection. (in print).
- Sengonca, C., A. Saleh and P. Blaeser. 2002. Effect of the age of *Aphis gossypii* Glover (Homoptera: Aphididae) as prey on the consumption by the polyphagous predatory bug *Dicyphus tamaninii* Wagner (Heteroptera: Miridae)). Gesunde Pflanzen 54, 61-65.
- Saleh, A. and H. Elmosa. 2002. Toxicities of Several Insecticides to the House Fly *Musca domestica* L. from Different Regions in Jordan. Sarhad J. Agric. 18, 69-75.
- Saleh, A. und Sengonca, C. 2001. Development and longevity of the polyphagous mirid bug *Dicyphus tamaninii* WAGNER (Het., Miridae) with different ages of *Aphis gossypii* GLOVER as a prey. Mitt. Dtsch. Ges. Alg. Angew. Ent. (Giessen) 13, 193-196.
- Saleh, A. and C. Sengonca. 2001. Life table of the predatory mirid bug *Dicyphus tamaninii* WAGNER (Het., Miridae) with *Aphis gossypii* GLOVER (Hom., Aphididae) as a prey. J. Plant Diseases Protection 108(6), 608-615.
- Saleh, A. and C. Sengonca. 2000. Untersuchungen über die Raubwanze *Dicyphus tamaninii* WAGNER (Het., Miridae) als natürlicher Feind von *Aphis gossypii* GLOVER (Hom., Aphididae). Mitt. Biol. Bundesanst. Land- Forstwirtschaft. 376: 577-578.
- Saleh, A. 1996. Usage of chemicals in agriculture and public health sectors in Palestine, status and solutions. Proceedings of the international workshop on ``Risk Reduction of Agrochemicals in the Afro-Arab Region``, organised by UNDP, and UNIDO and held in Port Luis, Mauritius. Pages: 80-95.

- Saleh, A., F. Neiroukh, O. Ayyash and S. Gasteyer. 1995. Pesticide usage in the West Bank. Applied Research Institute-Jerusalem. (ARIJ). Jerusalem. 22 Pages.
<http://www.arij.org/pub/pestuse/index.htm>

Research interests

- Biology, ecology and behaviour of natural enemies.
- Plant-insect interaction.
- Biological and integrated pest control.
- Insect Resistance to pesticides and their impact on beneficial organisms.
- International agricultural research.

Membership

- Entomological society of British Columbia, Canada. Since 2001.
- German Society for General and Applied Entomology DGaE, Germany. Since 2000.
- Jordanian Agricultural Engineers Association, Amman, Jordan. Since 1993.
- Arab Plant Protection Society. Since 1992.
- Friends Forum of the German Academic Exchange Service DAAD, Bonn, Germany. Since 1998.

Languages

- Arabic: mother tongue.
- English: fluency in written and spoken (Language of instruction)
- German: Excellent in written and spoken (DSH examination (Goethe Institute) with excellent).
- Italian: basic

Computer skills

- Proficiency in MS Office (Word, Excel, PowerPoint and Publisher).
- Proficiency in Word Perfect, Harvard Graphics and photo processing software (e.g. Adobe Photoshop).
- Also been using some statistical software like Winstat and Stat graphics.

Referees

-Prof. Dr. Cetin Sengonca, director general, Ph.D. advisor:
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-Prof Dr. Michael Schade, Ph.D. co-advisor
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-Dr. P. Blaeser, Ph.D. co-advisor
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-Prof Dr. Richard Sikora, Prof. of nematology and soil ecosystems
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-Prof. Dr. Ahmed Katbeh, Prof of insect taxonomy

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-Dr. Klaus Ziller, Consultant, Pesticide Analysis and regulatory affairs

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