

CURRICULUM VITAE

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Personal Data:

Date of Birth: 26/7/1962

Place of Birth: Hebron. Nationality: Jordanian.

Marital Status: Married, 6 children.

ACADEMIC BACKGROUND

Rank: Professor, University of Jordan.

Specialization: Entomology (Insect Taxonomy).

Ph.D. Date Earned: July 1990. GPA: 4.0/4.0.
Major: Entomology (Insect Taxonomy). Colorado State University.
Title of Dissertation: A Revision of North and Central American *Strigoderma* (Coleoptera: Scarabaeidae).

M.Sc. Date Earned: March 1986
Major: Plant protection. University of Jordan.
Thesis title: Biology of the Spherical Mealybug *Nipaeooccus viridis* (Newstead)
Reared on Lemon Seedlings and Potato Sprouts.

B.Sc. Date Earned: September 1983
Major: Plant protection. University of Jordan.

WORK EXPERIENCE

***Vice President of the Arab Society for Plant Protection since 2023.**

* Head of the Department of Plant Protection starting Sept. 2013 till Sept 2015.

* Professor and Museum Director, Department of Plant Protection, Faculty of Agriculture, University of Jordan, from November 2002 till present.

* Associate Professor and Museum Director, Department of Horticulture & Plant Protection, Faculty of Agriculture, University of Jordan, from October 1997 to November 2002.

*Associate Professor, Department of Beneficial Insects, Al Balqua'a University, Form September 1999 to September 2000. (Sabbatical Year)

* Assistant Professor and Museum Director, Department of Plant Protection, Faculty of Agriculture, University of Jordan, from September 1992 till October 1997.

* Teaching and Research Assistant, Department of Entomology and Zoology, Colorado State University, USA, 1988-1990.

* Director of the University of Jordan Insects Museum from 1992 till present. The activities during the past years included the following:

- Weekly field trips for collecting insects from many localities in Jordan for the purpose of teaching and research.
- Sorting and identifying the collected insect specimens and sending unidentified specimens for identification by specialists in the international museums.
- Preservation of voucher specimens for insects on which graduate research was conducted in the Department of Horticulture & Plant Protection.
- Contributing to the establishment of entomological collections in the University of Mu'tah, University of Jarash, and As Salt Community College.
- Participating in the scientific exhibitions in the private and government schools by lending boxes of pinned insects.
- Rearing insects and preparing their life cycles for teaching entomology courses in the department.
- Presenting short lectures for the museum visitors and answering their questions.
- Identification of insect pests for farmers, agricultural engineers, general public and graduate students.
- Exchange of insect specimens with international museums.
- The incorporation of the student insect collection into the museum.
- Training of agricultural engineers and lab technicians for the collecting, pinning and preservation of insects.
- Accumulation of taxonomic literature about the insects of Jordan to be a basis for a specialized library associated with the museum.
- Participating in the Italian entomological expedition to Dhana Nature Reserve. 1995.

TEACHING EXPERIENCE

I have taught the following courses for the graduate and undergraduate students:

1. Insect Taxonomy
2. Advanced Insect taxonomy (Graduate course)
3. Insects: Structure and Function (Graduate course)
4. Principles of Plant Protection
5. Field Practices in Plant Protection
6. Applications in Plant Protection
7. House and Garden Pests
8. Medical and Veterinary Entomology
9. General Entomology
10. Seminar in Plant Protection
11. Seminar in Plant Protection (Graduate course)
12. Research Techniques in Horticulture and Plant Protection (Graduate course)
13. Field Crops and Stored Products Insects
14. Immature Insects (Undergraduate and graduate course)

Graduate Student Supervision

Mashhour Al Khawaldeh. M.Sc. Some of the Psylloidea (Homoptera) of Jordan. Graduated 1996.

Yasar Al Khalili. M.Sc. Systematics and distribution of mosquitoes (Culicidae: Diptera) in Jordan. Graduated 1997.

Tamam Ja'ran M.Sc. Biology of *Culesita longiareolata* (Diptera: Culicidae) in Jordan. Graduated 1999.

Dhuha Miloud. M.Sc. A taxonomic study on the long horn beetles of Jordan (Coleoptera: Cerambycidae) Graduated 2000.

Sahar Arabeyyat.. M.Sc. A taxonomic study of the beeflies of Jordan (Diptera: Bombyliidae). Graduated 2003.

Ahmah Mahasneh. M.Sc. A taxonomic study on the longhorn grasshoppers of Jordan (Orthoptera: Tettigoniidae). Graduated 2004.

Omar Abu Dannoun. M.Sc. The Mantodea of Jordan. Graduated 2006.

Hazem Shareef. Ph.D. Taxonomical and Ecological Studies On Insects Associated With Animal Carcasses In Jordan. Graduated 2008.

Amani Awamleh. M.Sc. Biological and Ecological Studies of the African Fig Fly *Zaprionus indianus* (Gupta) (Diptera: Drosophilidae) in Jordan. Graduated 2013 in Bari Italy. Co-advisor Nayem from Russell Uk.

Dua'a Ramadan. M.Sc. Diversity of aquatic insects in Wadi Al Walah, Jordan. Graduated Dec. 2016.

Wafa Nasir. M.Sc. The ground and tiger beetles Coleoptera: Carabidae of Jordan. Graduated Dec. 2016.

Zaid Nabas. PhD. The Auchynorhyncha (Hemiptera) of Jordan. Graduated 2020.

Razan Quasqas. M.Sc. Bio-ecological studies on the cochineal scale *Dactylopius opuntiae* (Cockerell) (Dactylopiidae: Hemiptera) in Jordan. Graduated in 2021.

Graduate Student Committees

Mohammad Al Mazra'awi. 1994. Some factors affecting the populations of the olive neuron *Phloeotribus scarabeoides* (Bern), and the olive bark borer *Hylesinus oleiperda* (F.) (Coleoptera: Scolytidae) in Jordan.

Hawa El-Mabruk. 1996. Life cycle, population density and chemical control of lesser grain borer, *Rhyzopertha dominica* F. (Coleoptera: Bostrichidae).

Shaher Arabiyyat. 1997. Chemical and physical control of the *Fusarium* dry rot of potato varieties in storage.

Muna Traykhim. 1998. Study of Some Ecological Factors and response of onion to *Thrips tabaci* Lindeman (Thysanoptera: Thripidae)

Sobhhia Saifan, 1999. Genetic Variations among and within Eggplant (*Solanum melongena* L.) Land races in Jordan.

Muna Al Abd Al Quadir. 1998. Characterization of some local and imported honey using pollen grains, and identification of the main honey plants in Jordan.

Muna Haatough. 2000. An evaluation of the different house fly *Musca domestica* L. (Diptera: Muscidae) bait attractants

Ahmad Al Ashquar. 2000. Population trends and host preference of potato tuber moth, *Phthorimaea operculella* (Zeller) (Lepidoptera: Gelechiidae) to potato cultivars in Central Jordan Valley

Wisam Ubeidat. 2000. Bionomics and control of pomegranate butterfly *Virachola (Deudorix) livia* (Klug) (Lepidoptera: Lycaenidae) in northern Jordan.

Hazim Quattous. 2000. Biological studies on *Clitostethus arcuatus* (Rossi) (Coleoptera: Coccinellidae), a predator of castor bean whitefly *Trialeurodes ricini* (Misra) (Homoptera: Aleyrodidae).

Ahmad Amr. 2002. Evaluation of susceptibility of different local wheat and barley cultivars to Angoumois grain moth, *Sitotroga cerealella* (Olivier), (Lepidoptera: Gelechiidae) infestation under storage condition.

Mohammad Majid Namarneh. 2003. Sandflies of Alhemmah, Collecting, and infestation with *Leishmania usinf* DNA analysis. Jordan University of Science and Technology. Cognate examiner.

Areej Athamneh. 2003. Coolecting, preserving and identifying sandflies using PCR analysis. Jordan University of Science and Technology. Cognate examiner.

Hazim Abdul Latif At Talafheh. 2003. Tabanidae (Diptera) of Jordan. Jordan University of Science and Technology. Cognate examiner.

Nazir Khalil. 2006. A contribution to the taxonomy and ecology of Coccinellidae (Coleoptera) of south Syria. Ph.D. Dissertation. Damascus, Syria.

Mohammad Al Mar'e. 2009. The Insect Diversity (Hymenoptera) in Ath Thawrah Reserve in Syria. Ph.D. Dissertation. Aleppo, Syria.

Hanan Kanjo. 2010. A Taxonomical and Ecological Study of the Asilidae and Syrphidae (Diptera) of Northern Syria. Ph.D. Dissertation. Aleppo, Syria.

Faez Mousattat. 2010. Contribution to the taxonomical studies Odonata of northern Syria. Ph.D. Dissertation. Aleppo, Syria.

Muhammad Kamel Al Lala. 2010. Response of the two-spotted spider mite (*Tetranychus urticae* Koch) for some acaricides on cucumber (*Cucumis sativus* L.) under plastic houses in Jordan. Ph.D. Dissertation. University of Jordan, Faculty of Agriculture, Department of Plant Protection. Amman, Jordan.

Israa Salem. 2010. Effect of three acaricides on a susceptible strain and two field strains of the two spotted spider mites for three generations. M.Sc. Thesis University of Jordan, Faculty of Agriculture, Department of Plant Protection. Amman, Jordan.

Basel Khader. 2011. Susceptibility of three populations of green peach aphid *Muzus persicae* Sulzer (Homiptera: Aphididae) for four pesticides and its biology for three generations. M.Sc. Thesis University of Jordan, Faculty of Agriculture, Department of Plant Protection. Amman, Jordan.

Ala'a Ghathan. 2017. Effect of Nanomaterials on green peach aphid, *Myzus persicae* Sulzer (Homoptera: Aphididae). PhD. Dissertation. University of Jordan, Faculty of Agriculture, Department of Plant Protection. Amman, Jordan. 25/11/2017.

RESEARCH PROJECTS

Insect fauna of Jordan Project: Included the survey of many insect groups in Jordan. Sponsored by the Deanship of Scientific Research, University of Jordan. From 1993-2002. 20,000 Jordanian Dinars.

Animal Biodiversity of Jordan Project: Sponsored by the Higher Counsel for Science and Technology. 1996-2002. 34000 Jordan Dinars. A member of a team from several universities in Jordan. My role was to study insect biodiversity.

Search for local bacterial isolates toxic for mosquitoes in Jordan for use as an alternative for traditional chemical control. This project is conducted in coordination with researchers in the Department of Biology, University of Jordan. Sponsored by the Deanship of Scientific Research. University of Jordan. 18000 Jordanian Dinars.

Study of the Wild Animals and Plants of the eastern bank of the River Jordan (Al Ardani Road). Sponsored by the Higher Counsel for Science and Technology. Finished in 1996. A member of a team. My role was to study the insect groups.

Macroinvertebrate Baseline Survey in Wadi Rum Protected Area (South Jordan). The Royal Society for the Conservation of Nature. The Hashemite Kingdom of Jordan. The research activities were directed mainly to the study of insects of the reserve.

Macroinvertebrates of Dibbeen Reserve. The Royal Society for the Conservation of Nature. The Hashemite Kingdom of Jordan. 2006.

Entomopathogenic Nematodes Diversity in Jordan: An Environmentally-safe Alternative to Benefit Agriculture in Desert systems. 2004-2007. University of Arizona. This research was conducted with Patricia Stock (University of Arizona), Luma Albanna and Rula Darwish (University of Jordan).

Survey of the Moths of Jordan. Deanship of Scientific Research. **2008**, still running.

Research Skills

Identification of many insect pests in Jordan and surrounding countries to the specific level.

Insect digital and traditional photography and technical drawing.

Scanning Electron Microscopy.

Use of computer programs related to insect taxonomy.

Museum curatorial skills.

HONORS AND AWARDS

2004 Abdel Hamid Shouman Prize for Young Arab Scholars.

1987-1990: Highest academic standing. Department of Entomology. Colorado State University.

1990: International work/study award. Colorado State University.

1988-1990: Research assistantship. Department of Entomology and Zoology. Colorado State University.

1987-1988: Arab Student Aid International Scholarship.

1986: Ranked first in the Department of Plant Protection.

1984-1986: Research assistantship. Department of Plant Protection. University of Jordan.

PUBLICATIONS

Published Papers:

1. Van Horne, B. and **Bader, A.** 1990. Diet of the Nestling Winter Wren in relation to food availability. *The Condor*, 92: 413-420. USA.
2. **Bader, A.** 1992. A Review of the North and Central American *Strigoderma* (Coleoptera: Scarabaeidae). *Transactions of the American Entomological Society*, 118(2): 269-355. USA.

3. Khyami-Horani, H., **Katbeh-Bader, A.** and Mohsen, Z. 1995. Susceptibility of *Culex pipiens molestus* to standard strains of *Bacillus thuringiensis* and *Bacillus sphaericus* in Jordan. Dirasat (Pure and Applied Sciences), Volume 22B, No. 5, 1337-1344. JORDAN.
4. Khyami-Horani, H., **Katbeh-Bader, A.** and Mohsen, Z. 1996. Mosquito larvicidal toxicity of endospore forming bacilli isolated from Jordan. Dirasat, Medical and Biological Sciences, 23 (2): 140-144. JORDAN.
5. Amr, Z., Al Melhim, W., **Katbeh-Bader, A.** and Schneider, W. 1997. On the common Insecta of Al Azraq, Jordan. Entomologist Gazette, 48: 55-66. UK.
6. **Katbeh-Bader, A.** 1996. Buprestidae of Jordan (Coleoptera). Fragmenta Entomologica, Roma, 28 (1): 43-50. ITALY.
7. **Katbeh-Bader, A.** 1996. Cerambycidae (Coleoptera) of Jordan. Zoology in the Middle East, 13: 93-98. GERMANY.
8. **Katbeh-Bader, A.** 1996. Contribution to our knowledge of the Tenebrionidae (Coleoptera) of Jordan. Zoology in the Middle East, 13: 99-106. GERMANY.
9. **Katbeh-Bader, A.** 1996. Contribution to the knowledge of the Meloidae of Jordan (Coleoptera). Bolletino della Societa Entomologica Italiana, Genova, 128(2): 137-142. ITALY.
10. Pohl, H., **Katbeh-Bader, A.** and Schneider, W. 1996. Description of a new genus and two new species of Corioxenidae from Jordan (Insecta: Strepsiptera). Zoology in the Middle East, 13: 107-119. GERMANY.
11. Al Khawaldeh, M., **Katbeh-Bader, A.** and Burckhardt, D. 1997. Psylloidea (Hemiptera) of Jordan. Zoology in the Middle East, 15: 71-83. GERMANY.
12. Al-Melhim, W., Amr, Z., Disi, A. and **Katbeh-Bader, A.** 1997. On the Diet of the Little Owl, *Athene noctua*, in the Safawi Area, East Jordan. Zoology in the Middle East 15: 19-28. GERMANY
13. Schneider, W. and **Katbeh-Bader, A.** 1997. Ein atypisches Weibchen von *Pseudagrion syriacum* Selys 1887 aus Jordanien (Odonata: Zygoptera: Coenagrionidae). Entomologische Zeitschrift, 107(9): 391-394. GERMANY
14. **Katbeh Bader, A.** & Enrico Barbero. 1999. Contribution to the knowledge of the Scarabaeoidea (Coleoptera) of Jordan. Zoology in the Middle East, 18: 77-91. GERMANY.
15. **Katbeh-Bader, A.**, Khiyami, H. & Muhsin, Z. 1999. Effect of temperature on the susceptibility of *Culiseta longiareolata* (Maquart) (Dipt., Culicidae) to two standard strains of biocontrol bacteria. Journal of Applied Entomology, 123: 629-631. GERMANY.
16. Khiyami, H., **Katbeh-Bader, A.** & Muhsin, Z. 1999. Isolation of endospore forming bacilli toxic to *Culiseta longiareolata* (Diptera: Culicidae) in Jordan. Letters in Applied Microbiology, 28:57-60. UNITED KINGDOM.
17. Yassar Al-Khalili, **Ahmad Katbeh-Bader** and Zuhair Muhsin. 1999. Siphon index of *Culex pipiens* (Culicidae: Diptera) from different biogeographical provinces in Jordan. Zoology in the Middle East 17: 71-76 GERMANY.
18. **Katbeh Bader, A.** and Massa Bruno. 2000. A new species of *Anadrymadusa* Karabag (Orthoptera: Tettigoniidae) from Al Mujeb Nature Reserve, Jordan. Zoology in the Middle East, 20: 91-94. GERMANY.

19. **Katbeh-Bader, A.** 2000. Description of two new species of *Strigoderma* from Central America (Coleoptera, Rutelidae). *Fragmenta Entomologica* 32(2): 293-296. ITALY.
20. **Katbeh-Bader, A.** and Lev Medvedev. 2000. Contribution to the Chrysomelidae (Coleoptera) of Jordan. *Russian Entomological Journal* 9(3): 255-259. RUSSIA.
21. **Katbeh-Bader, A.,** Attilio Carapizza & Mazen Akkawi. 2000. Heteroptera of Jordan: Specimens preserved in the University of Jordan Insects Museum (Insecta). *Atti Dell'Accademia Roveretana Degli Agiati*, a. 250, ser. VII, vol. X, B: 111-137. ITALY.
22. Yassar Al-Khalili, **Ahmad Katbeh-Bader** and Zuhair Amr. 2000. Distribution and ecology of mosquito larvae in Jordan (Diptera: Culicidae). *Studia dipterologica* 7: 179-188. GERMANY.
23. **Katbeh Bader, A.** 2001. Acridoidea (Orthoptera) of Jordan. *Zoology in the Middle East* 23: 89-100. GERMANY.
24. **Katbeh Bader, A.** and Massa Bruno. 2001. Tettigoniidae (Orthoptera) from Jordan with description of new species and re-description of less known species. *Journal of Orthoptera Research*. 10 (1): 25-37. USA.
25. Tamam Al-Jaran and **Katbeh-Bader, A.** 2001. Laboratory studies on the biology of *Culiseta longiareolata* (Maquart) (Diptera: Culicidae). *Aquatic Insects* 23(1): 11-22. GERMANY.
26. **Katbeh Bader, A.** 2002. Contribution to the Curculionidae (Coleoptera) of Jordan. *Zoology in the Middle East* 25:71-78. GERMANY.
27. Gianfranco Sama, **Katbeh-Bader, A.** and Mahdi D. 2002. A Preliminary Catalogue of the Cerambycidae of Jordan (Coleoptera). *Bulletin of the Entomological Society of France*. 107 (5): 471-487. FRANCE.
28. **Katbeh Bader, A** and Jamal Suwwan. 2002. A study of the pests attacking pine trees imported from Italy. A Symposium on public parks and their role entertainment and protection of the environment. Refereed papers. The Arab Institution for the cities development and the Municipality of Amman. 327-338. Amman. April 23-25. Jordan. (In Arabic)
29. **Katbeh-Bader, A.** Amr, Z. and W. Schneider. Odonata of Jordan. 2002. *Fragmenta Entomologica*, Roma, 34 (1): 147-170. ITALY.
30. Medvedev, L. and **Katbeh-Bader, A.** 2002. New species of *Smaragdina* Chevrolat, 1837 from Jordan (Chrysomelidae, Clytrinae). *Entomologica Basiliensia*, 24: 255-258. SWITZERLAND.
31. **Katbeh-Bader, A.** Amr, Z. and Suhail Ismael. 2003. Butterflies of Jordan. *Journal of Research on the Lepidoptera*. 37: 11-26. USA.
32. Weitzbauer W. and **Katbeh-Bader, A.** 2002. First contribution of hoverflies (Syrphidae: Diptera) of Jordan. *Studia dipterologica*, 9(2): 613-620. GERMANY.
33. Ahmad Mahasneh, **Ahmad Katbeh-Bader.** 2004. A taxonomic study on the long-horned grasshoppers of Jordan (Orthoptera: Tettigoniidae). *Denisia* 14, zugleich kataloge der OO. Landesmuseen Neue Serie 2, 245-264. Austria.
34. **Ahmad Katbeh-Bader,** Zuhair S. Amr, Mohammad Abu Baker, Ahmad Mahasneh. 2004. The butterflies of Jordan. *Denisia* 14, zugleich kataloge der OO. Landesmuseen Neue Serie 2, 265-281. Austria.
35. **Ahmad Katbeh-Bader,** Zuhair S. Amr, Mohammad Abu Baker, Ahmad Mahasneh. 2004. The dragonflies (Insecta: Odonata) of Jordan. *Denisia* 14, zugleich kataloge der OO. Landesmuseen Neue Serie 2, 309-317. Austria.

36. Al-Talafha, Z. Amr, M. Abu Baker and A. **Katbeh Bader**. 2004. Horseflies of Jordan. Medical and Veterinary Entomology, 18: 208-211.
37. Flamini, G., Bader A., Lugi Cioni, P., **Katbeh-Bader, A.** and Morelli, I. 2004. Composition of the essential oils of leaves, galls, and ripe and unripe fruits of Jordanian *Pistacia palaestina* Boiss. Journal of Agricultural and Food Chemistry, 52: 572-576. USA.
38. Sahar Arabyat, **Ahmad Katbeh-Bader**. 2004. The bee flies (Diptera: Bombyliidae) of Jordan. Denisia 14, zugleich kataloge der OO. Landesmuseen Neue Serie 2, 353- 384.
39. S. Arabyat, **A. Katbeh-Bader** & D. Greathead. 2004. The bee flies (Diptera: Bombyliidae) of Jordan. Zootaxa 654, 1-48.
40. Al-Talafha, H., Amr, Z. S., Baker, M. A., Bader, **Ahmad Katbeh**. 2005. Systematics and distribution of horseflies (Diptera: Tabanidae) of Jordan. Journal of Vector Ecology, 30(1): 49-61.
41. Omar Abu-Dannoun & **Ahmad Katbeh-Bader** (2007). Mantodea of Jordan. Zootaxa, 1617: 43–56.
42. S. Patricia Stocka., Luma Al Bannab, Rula Darwishb and **Ahmad Katbeh**. 2008. Diversity and distribution of entomopathogenic nematodes (Nematoda: Steinernematidae, Heterorhabditidae) and their bacterial symbionts (γ -Proteobacteria: Enterobacteriaceae) in Jordan. Journal of Invertebrate pathology, 98: 228-234.
43. Eid,E., **Katbeh-Bader, A.**, Otoom, M.A. & Othman,Y.,2009, Contribution to the Entomofauna of Dibeen Forest Reserve in Jordan. Cesa News 49: 19-41, 6 figs.
44. Sabatinelli, G. & **Katbeh-Bader A.** 2009. *Madotrogus nikolajevi* New Species from Jordan with Notes on the Genus *Madotrogus* Reitter, 1902 And Its Subgenera (Coleoptera, Scarabaeidae, Melolonthinae, Rhizotrogini). Lambillionea CIX, 4: 1-5.
45. Manal Halaybeh and **Ahmad Katbeh-Bader**. 2010. The Pink Hibiscus Mealybug, *Maconellococcus hirsutus* (Green), a new pest on guava trees in Jordan (Hemiptera, Sternorrhyncha, Pseudococcidae). Cesa news. 56: 67-71.
46. Ibrahim J. Al-Jboory, **Ahmad Katbeh- Bader** and Al-Zaidi Shakir. 2012. First Observation and Identification of Some Natural Enemies Collected from Heavily Infested Tomato by *Tuta absoluta* (Meyrick) (Lepidoptera: Gelechiidae) in Jordan. World Applied Sciences Journal, 17 (5): 589-592.
47. Muna M. Abdel-Dayem, Renad M. Al Zu'bi, Saleh Aleesa, **Ahmad Katbeh Bader**, Zuhair S. Amr. 2012. Wound Myiasis caused by the common green bottle fly, *Lucilia sericata*: report of a case at the Royal Medical Services-Jordan. Journal Medical Services. 19(2): 82-84.
48. Ibrahim J. Al-Jboory and **Ahmad Katbeh-Bader**. 2012. First Record of *Zaprionus indianus* (Gupta, 1970) (Drosophilidae: Diptera) in Jordan. World Applied Sciences Journal. 19(3): 413-417.
49. Zuhair S. Amr, Loay S. Al Azzam, **Ahmad Katbeh-Bader** and Ehab K. Eid. 2013. Odonata of Wadi Al Mujib Catchment with Notes on the Impact of Wadi Al Mujib Dam, Jordan (Insecta: Odonata). Jordan Journal of Biological Sciences, 6(4): 292- 299.
50. **Ahmad Katbeh Bader**. 2014. The Hawk moths (Sphingidae: Lepidoptera) of Jordan. Jordan Journal of Natural History. Vol. 1: 59-82.
51. Raed Smadi, Zuhair Sami Amr, **Ahmad Katbeh-Bader**, Nidal Obidat, Mohammad Tawarah, Hazem Hasan. 2014. Facial myiasis and cantheriasis associated with systemic lupus erythematosus patient. International Journal of Dermatology, 53: 1365-1369.
52. Khalil A. Kanani, Ahmad Katbeh-Bader, Mohammed Al-Abdallat, Bassam Shadfan. 2015.

- Susceptibility Tests on Insecticides Used to Control Mosquitoes in Jordan. Jordan Journal of Biological Sciences, 8(3), 183-186.
53. **Al Musrati, M. Katbeh-Bader A.** 2015. Aquatic Insects as Bio-indicators of Water Quality. Proceedings of the 12th International Conference on the Mediterranean Coastal environment, MEDCOAST 15. 6-10 October, 2015. Varna, Bulgaria, MEDCOAST, Mediterranean Coastal Foundation, Dalyan, Mugla, Turkey. Vol 1: 375-384.
 54. Amani Alawamleh, **Ahmad katbeh-Bader**, Nayem Hassan, Ibrahim Al-Jboory. 2016. Distribution and host range of the African fig fly *Zaprionus indianus* (Diptera: Drosophilidae) in Jordan. Jordan Journal of Agricultural Sciences, 12(2): 555-564.
 55. Najmeh Samin, Hassan Ghahari & **Ahmad Katbeh-Badr** 2016. A faunistic study on the Mantodea (Insecta) from western Iran. Norwegian Journal of Entomology, 63: 116–119.
 56. Amani ALAWAMLEH, **Ahmad KATBEH-BADER**, Naim HASSAN, Ibrahim AL-JBOORY. Biological studies on the African Fig Fly *Zaprionus indianus* Gupta (Diptera: Drosophilidae). Book of proceedings of Agrosym 2016, Jahorina, Bosnia Hersekovina, 6-9 Oct. 2016.
 57. Khalil Kanani, Zuhair Amr, **Ahmad Katbeh-Bader** and Majedah Arbaji. First Record of *Aedes albopictus* In Jordan. Journal of the American Mosquito Control Association, 33(2):134–135.
 58. Wafa Nasir, **Ahmad KATBEH-BADER**. 2017. An annotated list of the ground beetles (Coleoptera: Carabidae) of Jordan. Zoology and Ecology. 27(3-4): 269-291. Doi.org/10.1080/21658005.2017.1400217
 59. **A. Katbeh-Bader**. 2017. Contribution to the Erebidae of Jordan (Lepidoptera: Erebidae). SHILAP Revta. lepid., 45 (180): 551-559.
 60. Duaa Mohammad Ramadan & **Ahmad Katbeh-Bader**. 2018. Diversity of aquatic and semi-aquatic insects in Wadi Al-Walah in Jordan. Zoology and Ecology, DOI: 10.1080/21658005.2018.1464145 <https://doi.org/10.1080/21658005.2018.1464145>
 61. Diaa Hjaija, Samir S. Sawalha, Zuhair S. Amr, **Ahmad Katbeh-Bader**, Raneen A.H. Hassoon. 2018. «Urinary myiasis caused by *Clogmia albipunctata* from the Palestinian Territories». The Bulletin of the Société de pathologie exotique, 111:148-151
 62. **Ahmad Katbeh** and Asem Abu Alloush. 2019. First Record of the Cochineal Scale *Dactylopius Opuntiae* (Hemiptera: Dactylopiidae) in Jordan. Accepted for publication in 2019 in Jordan Journal of Biological Sciences, 12 (2): 155 - 159.
 63. Tawfiq M Al Antary, Ashraf S Alhawamdeh, Ahmad M Katbeh-Bader. 2019. The Susceptibility of Three Tomato Cultivars and The Efficacy of Three Insecticides in Controlling the Broad Tomato Leaf miner, *Tuta absoluta* (Meyrick) (Lepidoptera: Gelechiidae) in The High Lands of Jordan. Fresenius Environmental Bulletin, 28 (11A): 8694-8701
 64. Ashraf S Alhawamdeh, Ahmad M Katbeh-Bader, Tawfiq M Al-Antary. 2019, Comparison Between Developed IPM Program and Conventional Control Practices for The Tomato Leaf miner, *Tuta absoluta* (Meyrick) (Lepidoptera: Gelechiidae) In Jordan. Fresenius Environmental Bulletin, 28(9): 6908-6913.
 65. Ahmad M Katbeh-Bader, Tawfiq M Al-Antary, Ashraf S Alhawamdeh. 2019. The Susceptibility of Three Tomato Cultivars and The Efficacy of Three Chemicals in Controlling the Broad Tomato Leaf miner, *Tuta absoluta* (Meyrick) (Lepidoptera: Gelechiidae) In The Region of Middle Jordan Valley In Jordan. Fresenius Environmental Bulletin, 28(9): 6914-6922.
 66. A. Katbeh-Bader, I. J. Al-Jboory and M. Bora Kaydan. 2019. First record of the Madeira mealybug, *Phenacoccus madeirensis* Green (Hemiptera: Pseudococcidae), in Jordan. Bulletin OEPP/EPPO Bulletin.
 67. Tawfiq M. Al Antary, Ahmad M. Katbeh-Bader, Sharif Rawashdeh. 2019. A Case Report of Seed Bug *Nysius cymoides* (Hemiptera: Lygaeidae) Outbreak in Southern Jordan Valley. Fresenius Environmental Bulletin, 28(12A): 10089-10095.
 68. Zuhair S. Amr, Mohammad Abu Baker and Ahmad Katbeh-Bader. 2019. *Massylaea vermiculata* (O. F. Müller, 1774): A Serious Land Snail Pest Introduced to Jordan. Jordan Journal of Natural History, 6: 60-61.
 69. Zaid Nabas and Ahmad Katbeh-Bader. 2020. Morphology and Distribution of *Empoasca decipiens* Paoli and *Asymmetrasca decedens* (Paoli) (Hemiptera: Cicadellidae), in Jordan. Jordan Journal of Biological Sciences, 13(5): 701-707.

70. A. Katbeh Bader and I. J. Al-Jboory. 2020. First record of cotton mealybug, *Phenacoccus solenopsis* Tinsley 1898 (Hemiptera: Pseudococcidae), from Saudi Arabia. Bulletin OEPP/EPPO Bulletin. 50: 557-560.
71. Mohammad R. Shakhathreh, Gustavo Silva de Miranda, Ahmad Bader-Katbeh, Mohammad A. Abu Baker & Zuhair S. Amr. 2020. *Charinus ioanniticus* (Amblypygi: Charinidae), first record of a whip spider from Jordan. Arachnologische Mitteilungen / Arachnology Letters 59: 35-37.
72. Mohammad A. Abu Baker, Mohammad A. Abu Baker, Ahmad Katbeh-Bader, Ansam A. Ghlelat, Ahmad M. Disi, and Zuhair S. Amr. 2021. Diet and Food Niche Relationships of Lizard Assemblages in Jordan. Herpetological Conservation and Biology, 16(1):117-127.
73. Wilson R. Lourenço, Mohammad Al-Saraireh, Basam Abu Afifah, Mohammad Abu Baker, Ahmad Bader-Katbeh & Zuhair Amr. 2021. New insights on the taxonomy of the genus *Birulatus* Vachon, 1974 (Scorpiones: Buthidae), and description of a new remarkable species from Jordan. "Zoology in the Middle East, 67(2):
74. Ahmad Katbeh Bader, Ibrahim Al-Jboory, Aseel Qaisyi. 2021. First record of the bay sucker, *Lauritioza alacris* (Flor) (Hemiptera: Trioziidae), in Jordan. EPPO Bulletin, 51(3): 653-657.
75. Ahmad Katbeh Bader, Ibrahim Al-Jboory. 2021. First record of the giant date palm mealybug, *Pseudaspidoproctus hyphaeniacus* (Hall 1925) (Hemiptera: Monophlebidae), from Jordan. EPPO Bulletin, 51(3): 648-652.
76. Akel Mansour, Nida Salem, Luma Albanna, Ahmad Katbeh, Mari Bahdousheh, Mohammad Al Biss. 2021. New trends in plant protection and their role in sustainable development in Jordan. Jordan Journal of Agricultural Sciences. 17(3): 297-320.
77. A. Katbeh Bader and I. J. Al-Jboory. 2022. First record of *Cryptochetum jorgepastori* (Cadahia, 1984) (Cryptochetidae: Diptera) from Jordan. EPPO Bulletin, 52(2): 479-483.
A. Katbeh Bader and I. J. Al-Jboory. 2022. First Record of the Poplar Lace Bug, *Monosteira uncostata* (Mulsant & Rey, 1852) (Hemiptera: Tingidae), from Jordan. Jordan Journal of Natural History. 52(2): 479-483.
78. Ahmad Katbeh Bader and Ibrahim J. Al-Jboory. 2023. First record of the African powder post beetle, *Lyctus africanus* Lesne 1907 (Insecta: Coleoptera: Bostrichidae: Lyctinae), from Jordan. Jordan Journal of Natural History, 10 (1): 57-60.
79. Salem Nida, Motasem Abumuslem, Ahmad Katbeh-Bader, Bianco Piero, Quaglini Fabio. 2023. 'Candidatus Phytoplasma trifolii' associated with faba bean phyllody in Jordan. Phytopathogenic Mollicutes: 13(1): 49- 50.
80. Ahmad Katbeh-Bader, Ibrahim Al-Jboory. 2024. First record of the glasshouse leafhopper, *Hauptidia maroccana* (Melichar, 1907) (Hemiptera: Cicadellidae), from Jordan. EPPO Bulletin, 54(1): 104-107.
81. Razan Qasqas, Ahmad Katbeh-Bader, Dajana Frasheri, Ibrahim Al-Jboory, and Sawsan Hassan. 2024. Screening Cactus Varieties Resistant to Cochineal Scale, *Dactylopius opuntiae* (Cockerell) (Hemiptera: Dactylopiidae) in Jordan. Jordan Journal of Natural History, 11 (1): 43-50.
82. Ahmad Katbeh Bader. 2024. First Record of the Lime Butterfly *Papilio demoleus* (Linnaeus, 1758) (Lepidoptera: Papilionidae) from Jordan. Jordan Journal of Natural History, 11 (1), 51-54.
83. Ahmad Katbeh-Bader, Ibrahim Al-Jboory, Thaer Yaseen. 2024. Natural Enemies of the Fall Army Worm Spodoptera frugiperda (Lepidoptera: Noctuidae) In Jordan and Palestine. Proceedings of the XV International Scientific Agricultural Symposium "Agrosym 2024": 561-566.
84. Fayhaa Hasan, Ban Mohsen, Ahmad Katbeh Bader, Israa Al Ubaidy, and Feryal Sadeq. 2024. Functional response for the aphid lion larvae *Chrysoperla carnea* (Stefens) (Neuroptera: Chrysopidae) on Truta absoluta eggs (Lepidoptera: Gelichiidae). Accepted in Arab Journal of Plant Protection. Will be published in Volume 43 Number 3 in September 2025.
85. Fayhaa Al-Nadawi, Ban Mohan Mohsen, Esraa Alobaidi, Ahmad Katbeh Bader, Feryal Sadiq. First record of Wax Scale Insect *Ceroplastis rusci fayhaa* (Linnaeus 1753) (Hemiptera: Coccoidea: Coccidae) in Baghdad, Iraq. African Journal of Biological Sciences, 6(12): 4725-4743. doi:10.48047/AFJBS.6.12.2024.4725-4743
86. Fayhaa Al-Nadawi Esraa Alobaidi; Ban Mohsen; Ahmad Katbeh Bader; Feryal Sadiq. The population density of Sidr tree *Zizyphus spina* pests. accepted in Neotropical Entomology.
87. احمد كاتبة بدر. 2024. الحشرات: المفهوم والانواع والآثار الصحية المترتبة على اكل الحشرات وتناول مستخلصاتها. الندوة الفقهية: حكم الشرع في تناول وتسويق اللحوم المستزرعة، والحشرات والأغذية المحورة وراثيا من أصل حيواني 25-24 سبتمبر 2024 جدة، المملكة العربية السعودية. 28 ص.

Published Books:

88. **Amr, Z., Katbeh-Bader, A.** and Al-Melhim, W. 1996. The Terrestrial Arthropods of Azraq. Al-Joud Center. Amman. 111 pp.
89. Katbeh-Bader, A., Amr, Z and Al Marefi, M. (2022). Field guide to the common insect of the State of Kuwait. Gland, Switzerland: IUCN and the State of Kuwait, Kuwait: Environment Public Authority
90. Numa, C., van Swaay, C., Wynhoff, I., Wiemers, M., Barrios, V., Allen, D., Sayer, C., López Munguira, M., Balletto, E., Benyamini, D., Beshkov, S., Bonelli, S., Caruana, R., Dapporto, L., Franeta, F., Garcia-Pereira, Karaçetin, E., Katbeh-Bader, A., Maes, D., Micevski, N., Miller, R., Monteiro, E., Moulai, R., Nieto, A., Pamperis, L., Pe'er, G., Power, A., Šašić, M., Thompson, K., Tzirkalli, E., Verovnik, R., Warren, M. and Welch, H. (2016). The status and distribution of Mediterranean butterflies. IUCN, Malaga, Spain. x + 32 pp.

Edited Books:

91. **Katbeh-Bader, A.** Shareef, H. (Editors). 2000. Abstract Book. Seventh Arab Congress of Plant Protection. 22-26 October 2000. Arab Society for Plant Protection and Faculty of Agriculture, University of Jordan. Amman, Jordan. 554 pp.
92. Shareef, H., Khaled Makkouk, Safa Kumari, Ibrahim Al Jboory, Bassm Bayyah, **Katbeh-Bader, A.** (Editors). 2014. Abstract Book. 11th Arab Congress of Plant Protection. 9-11 November 2014. Arab Society for Plant Protection in Collaboration with Al-Balqa' Applied University. Meridien Amman hotel, Amman Jordan.

Extension Publications:

93. **Katbeh-Bader, A.**, Bahdousheh, M. and Katbeh, M. 1995. Citrus Leaf Miner *Phyllocnistis citrella* on Citrus. Ministry of Agriculture. Publ. No. 52, 4pp. (In Arabic).
94. Amani Awamleh and **Katbeh-Bader, A.** 2015. The African fig fly *Zaprionus indianus* (Gupta, 1970) (Diptera: Drosophilidae). University of Jordan Extension Publication.

Technical Reports:

1. **Katbeh Bader, A.** 2000. Arthropods of the Baptism site, (Jordan Valley). Submitted to the Ministry of Tourism, Jordan.
2. **Katbeh-Bader, A.**, Mayas Qarqaz, Khaldoun Al-Omari and Nash'at Hamidan. 2000. Macroinvertebrate Baseline Survey in Wadi Rum Protected Area (South Jordan). A report submitted for the Royal Society for the Conservation of Nature. The Hashemite Kingdom of Jordan. The World Bank- Second Tourism Development Project.
3. **Katbeh-Bader, A.** 2001. Insect pests of pine trees imported from Italy. Presented for the Municipality of Amman, Jordan.
4. **Katbeh Bader, A.**, Mustapha Farraj and Wafa'a Naser. 2008. Report on the house fly control in the Agricultural Research Station in Jordan Valley.
5. **Katbeh Bader, A.** and Jamal Suwwan. 2010. Report on pine trees insect pests in the Royal Palaces, Amman Jordan.
6. **Katbeh-Bader, A.** 2010. A report pests of Oak trees in Yarmouk Reserve. A report presented to the Royal Society for the Conservation of Nature.
6. **Katbeh Bader, A.** 2011. A first report about insects on rice imported from USA, sent by International Surveyors & Loss Adjustors Ltd.
7. **Katbeh Bader, A.** 2011. A second report about insects on rice imported from USA, sent by International Surveyors & Loss Adjustors Ltd.

8. Katbeh Bader, A. and Hamid Khlaif. A report on pests of date palms in Aqaba, Jordan. 2012.

PROFESSIONAL SOCIETIES

Arab Society for Plant Protection. **Currently vice president of the society.** Member since 1992 till present.

Entomological Society of America. 1989-1991.

UNIVERSITY EXTRACURRICULAR ACTIVITIES

Member of the Biopesticides Committee (Ministry of Agriculture) since 2016.

Member of the Scientific Committee in the Royal Society for the Conservation of Nature in Jordan.

Member of Organizing Committee of the Seventh Arab Congress of Plant Protection held in the University of Jordan in October 2000.

Member of Organizing Committee of the First Conference in Biotechnology in Agriculture held in September 2000 at Al Balqua'a University.

Department Scientific Research Committee.

Department Social Committee.

Department Scientific Instruments and Tools Committee.

Faculty of Agriculture Sports Committee.

Advisor for the students of the Department of Plant Protection.

Member of the Courses Committee in the beneficial Insects Department at Al Balqua'a University

Fruit trees Committee.

Member of Quarantine lists review, Ministry of Agriculture and University of Jordan. Feb. 2012.

Member of the Plant Health Committee, Ministry of Agriculture. 2012 till present.

Member of the Agricultural and Veterinary Sector Committee at the Scientific Research Fund at the Ministry of Higher education. 2014 -2015.

Establishing Entomological Museums in Jordan

I established an Insect Museum at Faculty of Bio-agricultural Technology, Department of Beneficial Insects. This is mainly a teaching collection. Weekly field trips for one year (1999/2000), were conducted in many parts in Jordan. The collected specimens were pinned and preserved. Many specimens were identified based of on the available literature.

I established an Insect Museum at Al Al Bayt University in northern Jordan. Weekly field trips for six months in 2001 were conducted in many parts in Jordan. The collected specimens were pinned and preserved. Many specimens were identified based of on the available literature.

I established a small insect collection at the Royal Society for the Conservation of Nature. The insects were collected from Wadi Rum at southern Jordan. It was meant to be used as a baseline data for further invertebrate research in the reserve.

I established an insect collection for Dibeen Reserve in northern Jordan with workers of the Royal Society for the Conservation of Nature.

Scientific Meetings, Lectures, and Seminars

2024. International Conference on Agricultural, Life and environmental Sciences (ICALES-24) 2nd-3rd July 2024, Chicago, USA. First record of wax scale insect *Ceratoplastis rusci fayhaa* (Linnaeus, 1753) Hemiptera: Coccoidea: Coccidae) in Baghdad, Iraq.

2023. The XVIth International Coccidology Symposium Tbilisi (Georgia) 17-20 July 2023, 2022. Oral presentation: Screening Cactus Resistant Varieties for the Cochineal Scale, *Dactylopius opuntiae* (Cockerell), And Observations on Its Predator, *Hyperaspis trifurcata*, In Jordan.

2022. The 13th Arab Conference of Plant Protection. October 16-21, 2022. Tunisia. The primary causes for the death of some pine trees in Jordanian forests.

2018. Invasive pests in the Arab World and the Near East. Presented a lecture entitled "First record of the Cochineal Scale, *Dactylopius opuntiae* (Dactylopiidae: Hemiptera), in Jordan". Alexandria, Egypt, 4-5 Nov. 2018.

2018. The 8th Scientific Agricultural Conference. Al Karak, Jordan, 15-17 Oct. Three presentations:

- First Record of the Cochineal Scale *Dactylopius Opuntiae* (Hemiptera: Dactylopiidae) in Jordan. Ahmad Katbeh and Asem Abu Alloush.
- New Records of Ground Beetles (Carabidae: Coleoptera) From Jordan. Ahmad Katbeh and Wafa Nasir.
- Contribution to the Cicadidae of Jordan. Ahmad Katbeh and Zaid Nabas.

2018. IX International Scientific Agriculture Symposium "AgroSym 2018 ". Spatial and Temporal distribution of ground beetles (Carabidae: Coleoptera) in two agroecosystems in Jordan, 4-7 Oct. Jahorina mountain, Bosnia and Herzegovina.

2018. Safe use of Phosphine gas. A lecture about stored product insects. 13//2018. Organized by the Ministry of Agriculture and Ath-Thaher Company.

2018. A series of lectures about the fall army worm for the agricultural Engineers. Taxonomy, biology and distribution.

2018. Training Course For Agricultural Engineers. Taxonomy Of Date Palms Insect Pest And Red Palm Weevil. 11/3/2018. Gerasa Hotel, Amman. Jordan.

2018. A lecture about Public health pests. Jordanian Agricultural Engineers Association.

2018. Seminar For The Control Of Termites. Presented a lecture: Biology, ecology and Taxonomy of Termites. Agricultural Engineers Association. Amman. 31-2-2018.

2017. First congress on public health and stored product pests. 20-11-2017. A proposal for qualifying and training the pesticide applicators working in the public health sector. 15-11-2018.

2017. Arab Society for Plant Protection. Egypt. 4-10 Nov. 2017. Diversity of Ground beetles (Carabidae: Coleoptera) in some Jordanian habitats.

2016. Agrosym 2016. Jahorina, Bosnia. 6-9 Oct. 2016. Biological studies on the African Fig Fly *Zaprionus indianus* Gupta (Diptera: Drosophilidae).

2015. The Seventh Conference on Scientific Research in Jordan. Presentation by Wafa Naser, MSc. student under my supervision. Contribution the Carabidae (Coleoptera) of Jordan. Middle East University, Amman Jordan. November, 14, 2015.

2015. Workshop on olive insect pests. 9 and 11 Nov. 2015 in Al Karak.

2015. Medcoast 15. The 12th International Conference on the Mediterranean Coastal environment. 6-10 Oct. Grifid Hotel Bolero, Golden Sand, Varna, Bulgaria.

2015. IPPC Regional Workshop for the Near East and North Africa Region 14-17 September, Amman, Jordan.

2015. National Workshop on Insect vectors (GEF) project. 26/5/2015. Presentation on medical importance of mosquitoes in Jordan. Crown Plaza, Amman, Jordan.

2015. Workshop on Cooperation between Faculty of Agriculture and the private sector. 5/3/2015. Presentation on the research activities in the Department of Plant Protection. Univ. of Jordan. Amman.

- 2014.** Joint Egyptian-Jordanian Research Meeting. 21 Nov 2014. Royal Hotel Amman.
- 2014.** Eleventh Arab Congress of Plant Protection, 9-13 November, Meridian, Amman, Jordan. Role of Insects In Legal Disputes: A Case Study For Imported Rice From USA. 9
- 2014.** Aqaba International Conference on Marine and Coastal Environment “Status and Challenges” Jordan, aqaba, October 27-29. Diversity of Aquatic Insects In Wadi Ar-Rumman, King Talal Dam And Zerqa River In Jordan.
- 2014.** The Fifth Refereed Conference for the University Thesis and Dissertations. Chairman of the Economic Entomology Session. University of Jordan 16-17/4/2014.
- 2014.** Health and Natural Day. Lecture on Medical Insects. King Hussein Foundation. The Jubilee school. 6/4/2014.
- 2014.** Scientific Research Conference. Amman, Jordan. Bioecological Studies on Jordanian Isolates of entomopathogenic nematodes. Presentation with Dr. Luma Albanna, Dr. Patricia (USA), Dr. Rula Darwish.
- 2013.** 18th European Congress of Lepidopterology, Blagoevgrad, **Bulgaria**, 29 July – 4 August 2013. Presentation. Contribution to the Noctuoidea of Jordan.
- 2013.** Msc. Students Exams, Amani Awamleh Exam. Bari, Oct.14-20, **Italy**.
- 2013.** Pesticides: Registration and safe use. Faculty of Agriculture, University of Jordan, Amman. Jordan. 10/11/2013.
- 2013.** Workshop on the application of the International Union For the Conservation of Nature Red List Criteria for the Mediterranean Region. 25-28 Feb. 2013, Malaga, **Spain**.
- 2012.** Workshop on the Profession of Public health Pests: a clean environment and human safety. Agricultural Engineers Union. 3/12/2012. Presented a lecture about the role of scientific research in the control public health pests.
- 2012.** Final workshop National Adaptation Strategies To Minimize Impacts Of Climate Change On Public Health).6/11/2012. Landmark Hotel, Amman.
- 2012.** Third workshop on Agenda of the Consultation Workshop on Vulnerability And Adaptation Assessment (National Adaptation Strategies To Minimize Impacts Of Climate Change On Vector Born Diseases).20/9/2012. Ministry of Health.
- 2012.** Agenda of the Consultation Workshop On Vulnerability And Adaptation Assessment (National Adaptation Strategies To Minimize Impacts Of Climate Change On Vector Born Diseases). 12/4/2012.
- 2012.** Royal Botanical Garden Scientific Day. Monitoring of surface water pollution using biological indicators. 12/1/2012.
- 2011.** Workshop on Vector Borne Diseases and Climate Change. Ministry of Health. 22/9/2011.
- 2011.** Scientific Symposium for Tomato Borer, *Tuta absoluta* on Tomato at MENA Region. 19-21 July, 2011. Amman, Jordan.
- 2011.** Scientific Macro Photography Workshop. Two days. Presented a lecture and practical training.
- 2011.** A work shop on Project for developing national strategies and plans and early warning system for the adaptation and protection of public health from climatic change. Amman. 10-7-2011.
- 2010.** A lecture on “House fly taxonomy, biology and ecology”. A Workshop at the Agricultural Research, Training and Extension in Jordan Valley.

2010. Scientific Day at the Agricultural Engineers Association. Presented two lectures about Forensic Entomology. Organized by the scientific committee of the association under the patronage of the prime minister deputy, the minister of interior affairs. 19/6/2010.

2009. The 10th Arab Congress of Plant Protection. Crown Plaza Hotel, Beirut, Lebanon. 26-30 Oct. Presented a paper (with Guido Sabatinelli, Wafa Naser, and Stefano Ziani) about The Scarabeoidea (Coleoptera) of Jordan; A paper (with Lubna Nasir Eddin) about Identification of Insects Using Computers; A poster (with Wafa Naser) about Insect Diversity in the Central Jordan Valley; A poster about Identification of Butterflies by Computers using eye spots on the wings; A poster about the Noctuidae of Jordan, a second List. I was the Chairman of the Awards Committee. I was elected as a member of the Executive Committee of the Arab Society for Plant Protection.

2008. Field Training workshop on the cereal leaf miner in Al Karak. 1/4-3/4/2008.

2007. The Third Scientific Research in Jordan. 17/11/2007. Hyatt Amman Hotel. Amman, Jordan.

2007. The Sixth Jordanian Agricultural Scientific Conference, 9-12 April, Faculty of Agriculture, Amman, JORDAN. Presented a paper about the Geometridae (Lepidoptera) of Jordan. Chairman of the first session (Entomology and control measures).

2006. The Ninth Arab Congress of Plant Protection. Congress Palace, Damascus, Syria, 19-23 November. Presented a poster on the Noctuidae (Lepidoptera) of Jordan. Elected as a member of the executive Committee. Member of Awards Committee.

2003. The Eighth Arab Congress of Plant Protection. Faculty of Agriculture, Omar Al-Mukhtar University, El-Beida, Libya. Presented a paper on the common insect of northern Jordan and headed a session in Economic Entomology.

2002. A Symposium on public parks and their role entertainment and protection of the environment. The Arab Institution for cities development and the Municipality of Amman. Presented a paper on the pests attacking pine trees imported from Italy Refereed papers. Amman. April 23-25. Jordan.

2000. A Workshop on Agricultural Quarantine. Intercontinental Hotel, Amman, Jordan. 6/11/2000.

2000. Biotechnology in Agriculture: present and future. Faculty of Agricultural Technology. Al Balqa'a Applied University. 5-7/9/2000, As Salt, Jordan.

1999. The third Scientific Agricultural Conference: Scientific Research in Agricultural Development. 27-29/4/1999. Presented a paper about the Scarabaeoidea of Jordan.

1999: Insect Pests of tomato, Pepper and cucumber. 29 August. Lecture at the National Center for Agricultural Research and Technology Transfer.

1999. Advanced Internet Seminar. University of Jordan.

1998. Ecological restoration and monitoring at Azraq Wetland Reserve: progress and priorities, 26/2/1998.

1998. Symposium on Biological research and studies on the Jordanian Badia, 30/3/1998.

1997. Sixth Arab Congress on Plant Protection. Beirut, Lebanon. Poster presentation about the Buprestidae and Cerambycidae of Jordan. 23-27/10/1997.

1997: 4th Scientific meeting for the Organization of Environment Protection. Amman.

1997: The 8th Arab Conference of Biological Sciences & the 4th Jordanian Conference of Biological Sciences. 8-11 November, University of Jordan, Amman, Jordan

1996: 4th Jordanian Scientific Meeting, Amman, Jordan. "Insects Biodiversity in Jordan".

1996: National seminar on the integrated management of Al Azraq basin. Government of the Hashimite Kingdom of Jordan, Preservation of Al Azraq Oasis Project, the United Nation Development Program and Center for water and ecological Studies. Amman.

1996: Training of agricultural engineers for the control of termites. National Center for Research and Technology Transfer. Ministry of Agriculture. Amman. Taxonomy and biology of termites.

1995: Scientific day for fighting against desertification. Agricultural Engineers Union. Amman.

1995: Training course in locust control. Arab Organization for Agricultural Development and Ministry of Agriculture. Taxonomy of grasshoppers. A lecture, a lab training and videotaping of the different species of grasshoppers of Jordan.

1994: Biotechnology Applications for the Development of Dry Areas. Higher Council for Science and Technology. Safawi, Jordan.

1993: 1st Scientific Agricultural Conference. University of Jordan. Amman, Jordan.

1993: Workshop on viral diseases of plants (TYLCV and TCTV). Faculty of Agriculture, University of Jordan. Amman. Jordan.

1989: A Revision of the Nearctic *Strigoderma* (Coleoptera: Scarabaeidae: Rutelinae). The Entomological Society of America National Conference, San Antonio, Texas, USA.

1989: Variation in Taxonomic characters. Department of Entomology, Colorado State University. A Guest lecture.

1989: International Code of Zoological Nomenclature. Department of Entomology, Colorado State University. A Guest lecture.

1987: Biology of the Spherical Mealybug *Nipaecoccus viridis* (Newstead) in Jordan. Department of Entomology, Colorado State University.

1992-present: Many presentations for the visitors of our insect museum, which include university students, tourists and local citizens.

Television interviews:

Jordan Satellite Canal: 2007 About Insects.

Jordan Satellite Canal: 2008 About Butterflies and Moths in Jordan.

BBC Arabic. 2010. About Asian Weaver Ants.

Jordan Satellite Canal: 2010 About beneficial Insects and some medical insect pests.