**Ally R, Harari May & 2015**

**Part I: CURRICULUM VITAE**

1. **Personal**

Department of Entomology

e-mail: aharari@volcani.agri.gov.il

web –site: <http://www.agri.gov.il/en/people/755.aspx>

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| **Dates** | **Description** |
| 1956 | Born in Rehovot, Israel |

1. **University Education and Additional Training**

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| **Dates** | **Description** |
| 1983 – 1985 | B.Sc. in Zoology at The Hebrew University of Jerusalem, Faculty of Natural Sciences |
| 1990 – 1995 | Ph.D. in Ecology at The Hebrew University of Jerusalem, Faculty of Entomology Title of thesis: Ecology of the beetle *Maladera matrida* Argaman in Agricultural Ecosystems.Supervision by: Prof. David Rosen and Dr. David Ben-Yakir |
| 1995 – 1996 | Postdoctoral position at USDA-ARS, Gainesville, Florida with Dr. Peter Landolt Research subject: The ecology and sexual behavior of the weevil *Diaprepes abbreviatus,* a pest of citrus. |
| 1997 – 1998 | Postdoctoral position at the Mitrani Department for Desert Ecology, Ben-Gurion University, Sede Boqer with Prof. Yael LubinResearch subject: The courting behavior of the male widow spider |
| 2007  | Sabbatical leave at The Department of Ecology, Chemical Ecology, Lund University, Sweden with Prof. Christer LofstedtResearch subject: The cost of pheromone production |
| 2007  | Visiting scientist at l'Institut de la recherche sur la biologie de l'insecte, Université François Rabelais de Tours, FranceResearch subject: Sex pheromones as honest signals |

1. **Positions Held and Academic Status**

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| **Dates** | **Description** |
| 1999  | Research Scientist at the ARO, The Volcani Center, Institute...... |
| 2011 | Promoted to Senior Scientist (Rank A) |
| 2015 | Adjunct Professor, Mitrani Department of Desert Ecology, Ben-Gurion University of the Negev |

1. **Training / Teaching Experience**
2. Academic Contribution:

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| **Dates** | **Description** |
| 2003 to date | Lecturer at Ben Gurion University of the Negev, Department of Life SciencesTitle of the course: Ecology of sex |
| 2006 to date  | Lecturer at Ben Gurion University of the Negev, Department of Life SciencesTitle of the course: Ecology of insects |
| 2014 to date  | Lecturer at Hebrew University, Department of Evolution Ecology and Behavior Title of the course: Ecology of sex |

1. Guidance of M.Sc. Students:

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| **Graduation date** | **Name** | **Title of thesis** | **Guidance with** |
| 2004 | \*Ms. Michal Segoli  | Reproductive behavior of the white widow spider males | Prof. Yael Lubin |
| 2005 | \*Ms. Orit Baruch | Study the sexual behavior of two species of bark beetles, *Phloeosinus armatus* and *Phloeosinus aubei* (Coleoptera: Curculionidea: Scolytidae), pests of *Cupressus* in the Israeli forests | Prof. Zvi Mendel |
| 2008 | \*Ms. Lea Sela  | Phenology and population dynamics of *Cryptoblabes gnidiella*  | Prof. Moshe Cole |
| 2009 | \*Ms. Gal Sitkov-Sharon |  Level of social interaction of a haplodiploid beetle with limited breeding resources | Prof. Yael Lubin and Prof. Amos Bouskila |
| 2012 | \*Ms. Yael Keynan | Improved biological pest control by conditioning of parasitoids to sex pheromones: *Lobesia botrana* as a case study | Dr. Tamar Keasar |
| 2015 | \*Ms. Neta Arazi-Dor | Embryonic development and social behavior in the bark beetle *Coccotrypes dactyliperda*  | Prof. Ariel Chipman |
| 2015 | \*Mr. Iftach Golov | Sexual behavior in the Desert locust  | Prof. Amir Ayali |
| 2016 | \*Ms. Shevy Waner | Mate choice of the brown widow spider males | Prof. Yael Lubn and Prof. Uzi Motro |
| 2017 | \*Mr. Nadav Nusbaum | Biological control of the invasive weed *Ambrosia* confertiflora using its herbivore moths | Prof. Baruch Rubin |

\*under my direct supervision

1. Guidance of Ph.D. Students:

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| **Graduation date** | **Name** | **Title of thesis** | **Guidance with** |
| 2009 | \*Ms. Michal Segoli | Joint Parent-Offspring Control of Brood Size in a Polyembryonic Wasp | Prof. Amos Bouskila and Dr. Tamar Keasar |
| 2009 | \*Ms. Daphna Gottlieb |  Mixed Mating System in the Beetle *Coccotrypes dactyliperda* | Prof. Yale Lubin ad Prof. Amos Bouskila |
| 2014 | \*Ms. Iara Gazzera Sandomirsky | Sexual cannibalism in spiders and the mating system of the brown widow as a case of sexual conflict resolution |  Prof. Yael Lubin |
| 2015  | \*Ms. Adi Sadeh |  | Prof. Zvika Abramski |

\*under my direct supervision

1. Post-Docs and Visiting Scientists:

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| **Dates** | **Name** | **Research subject** |
| 2003-2004 | Dr. Chandresh Borad  |  Oogenesis in the date stone beetle, *Coccotrypes dactyliperda* depends on symbiotic bacteria |
| 2003-2004 | Dr. Rakefet Sharon  | The effect of grape vine cultivars on *Lobesia botrana* (Lepidoptera: Tortricidae) population levels |
| 2009 | Dr. Michal Segoli  | The evolution of polyembryony in parasitoid wasps |
| 2009-2010 | Dr. Daphna Gottlieb | Maternal effect on the embryonic development in *Coccotrypes dactyliperda* |
| 2011 | Dr. Hadass Steinitz | Effects of radiation on inherited sterility in the European grapevine moth (*Lobesia botrana*). |
| 2013-2015 | Dr. Martin Tremmel | Decision points on the trajectory to sociality: Date palm beetles (*Coccotrypes dactyliperda*) as a case study |
| 2015-2016 | Dr. Nitin Singh Kumar | Evolution of resistance to mating disruption in the pink bollworm moth evidence and possible mechanism |
| 2015-2017 | Dr. Adrea Gonzalez-Karlsson  | Male moth mate preference in relation to female quality and cost of flight |

1. Organization of Courses

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| **Dates** | **Duration** | **Place** | **Title** |
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July 2013 6 days Tel Hai ***Lobesia botrana*: an old world pest on the move**

1. **Activity in Scientific and Agricultural Committees**
2. International:

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| **Dates** | **Description and role** |

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| 2015 | Organizing Chair Committee of the International Organization of Biological Control: Pheromones.  |
| 2013 | Research proposal committee of the Israel Science Foundation |
| 2013 |  Organizing Chair of the international workshop "*Lobesia botrana*: an old world pest on the move: Biology, Ecology and Pest Status in the Middle East, Europe, and the Americas". Funded by BARD |
| 2002-2004 | Organizing Guest of the Working group of the sorghum chafer in Ethiopia (FAO and MOA). |

1. National:

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| **Dates** | **Description and role** |
| 2014 | Program Committee of the Conference of the Entomological Society of Israel.  |
| 2013 | Research proposal committee of the Israel Science Foundation |
| 2013 | 2013 |
| 2003-2007 | Committee member of the Entomological Society of Israel |
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1. **Contribution to the Scientific Community**
2. International:

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| **Dates** | **Description** |
| 2001-2004  | Consultant, The UN FAO and Ethiopian ARO, Control of the sorghum chafer, a scarabaeid beetle.  |
| 2002 | The IX International Behavioral Ecology Congress (ISBE). Chairing the session on fertilization dynamics. |
| 2002-2004 | Organizing Guest of the Working group of the sorghum chafer in Ethiopia (FAO and MOA). |
| 2013  | Organizing Chair of the international workshop "*Lobesia botrana*: an old world pest on the move: Biology, Ecology and Pest Status in the he Middle East, Europe, and the Americas". Funded by BARD. |
| 2015 | Organizing Chair Committee of the International Conference of the International Organization of Biological Control: Pheromones |

1. National:

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| **Dates** | **Description** |
| 2000-present | Chair of Program committee of The Annual Meetings to Commemorate the Late Merav Ziv. Ben Gurion University.  |
| 2000-2007 |  Program Committee of the Conference of the Entomological Society of Israel. |
| 2003-2006 | Chair of the Program Committee of the Conference of the Entomological Society of Israel. |
| 2003-2007 | Committee member of the Entomological Society of Israel |
| 2007-  | Scientific consultant, The pomegranate table and grower of Israel |  |
| 2009- | The Arava R&D pomegranate council, Israel |  |
| 2011-Present | Scientific consultant, Migal R & D |  |
| 2014 | Program Committee of the Conference of the Entomological Society of Israel. |

##### Part II: LIST OF PUBLICATIONS

Marks:

S Student or post-doc under my supervision

\* Equal contribution

**Articles in Reviewed Journals**

1. **Harari, A. R.PI**, .D. Ben-Yakir, and D. Rosen. **1994**. Mechanism of aggregation behavior in *Maladera matrida* Argaman (Coleoptera: Scarabaeidae). J. Chem. Ecol. 20: 361-371. (CIT-54, I.F. 2.659, 5/90, Category: Entomology) (Q1)

2. Ben-Yakir, D., L. Koren, and **A. R. Harari**S. **1996**. Biometric discrimination of the larval instars and sexes of *Maladera matrida* (Coleoptera: Scarabaeidae: Melolontinae). Israel J. Entomol. 30:47-52. (CIT-2)

3. **Harari, A. R.PI** and P. J. Landolt. **1997**. Orientation responses of the sugarcane rootstalk borer, *Diaprepes abbreviatus* (L.) to weevil, frass, and food odors. J. Chem. Ecol. 23: 857-868. (CIT – 27, I.F. 2.659, 5/90, Category: Entomology). (Q1).

4. Harari, A. R.PI, D. Ben-yakir, M. Chen, and D. Rosen. 1997. Population dynamics of *maladera matrida* (coleoptera: scarabaeidae) in peanut fields. Environ. Entomol. 26: 1040-1048. (CIT – 5, I.F. 1.649, 30/90, Category: Entomology) (Q2).

5. **Harari, A. R**.**PI**, D. Ben-Yakir, M. Chen, and D. Rosen. **1997**. Life and fertility tables of *Maladera matrida* (Coleoptera: Scarabaeidae). Environ. Entomol. 26: 1073-1078. (CIT – 5, I.F. 1.649, 30/90, Category: Entomology) (Q2).

6. **Harari, A. R.PI**, D. Ben-Yakir, M. Chen, and D. Rosen. **1998**. Temperature-dependent developmental models for predicting the phenology of *Maladera matrida* (Coleoptera: Scarabaeidae) phenology. Environ. Entomol. 27: 1220-1228. (CIT – 12, I.F. 1.649, 30/90, Category: Entomology) (Q2).

7. **Harari, A. R.PI** and P. J. Landolt. **1999**. Feeding experience enhances attraction of female *Diaprepes abbreviatus* to food plant odor, (L.) weevil. J. Insect Behav. 12: 415-422. (CIT – 12, I.F. 1.084, 39/90, Category: Entomology) (Q2).

8. **Harari, A. R.PI**, A. M. Handler and P. J. Landolt. **1999**. Size assortative mating, male choice and female choice in relation to fitness in *Diaprepes abbreviatus* (L.) (Coleoptera: Curculionidae). Anim. Behav. 58: 1191-1200. (CIT – 78, I.F. 3.49, 7/153, Category: Zoology) (Q1).

9. **Harari, A. R**.**PI** and Brockmann, H. J. **1999**. Male beetles attracted by females mounting. Nature 401: 762-763. (CIT – 10, I.F. 32.906, 1/50, Category: biology) (Q1).

10. **Harari, A. R.PI**, D. Ben-Yakir, and D. Rosen. **2000**. Male pioneering as a mating strategy: the case of *Maladera matrida*. Ecol. Entomol. 25: 1-8. (CIT – 13, I.F. 2.126, 12/90, Category: Entomology) (Q1).

11. **Harari, A. R.PI**,H. J. Brockmann**,** and P. J. Landolt. **2000**. Intrasexual mounting in the beetle *Diaprepes abbreviatus* (L.). Proc. R. Soc Lond. Ser. B. 267: 2071–2079. (CIT – 37, I.F. 5.808, 9/85, Category: Entomology) (Q1).

12. **Harari, A. R.PI**, D. Ben-Yakir, M. Chen, and D. Rosen. **2001**. Economic injury levels for *Maladera matrida* (Coleoptera: Scarabaeidae) infesting peanut fields. Entomol. Exp. Appl. 98: 79-84. (CIT – 4, I.F. 1.730, 20/90, Category: Entomology) (Q1).

13. **Harari, A. R.PI**, P. J. Landolt, C. W. O'Brien and H. J. Brockmann. **2003**. Prolonged guarding behavior and sperm competition in the weevil *Diaprepes abbreviatus* (L.). Behav. Ecol. 14: 89-96. (CIT – 27, I.F. 3.841, 6153, Category: Zoology) (Q1).

14. Sharon, R.PD, Zahavi T., Soroker V. and **Harari A. R**.**CPI** **2003**. Attraction of *Lobesia botrana* to grapevine cultivars: A field study. Phytoparasitica 31:305-306. (I.F. 0.621, 60/90, Category: Entomology) (Q3).

15. Soroker V., Talebaev S., Wesley D. and **Harari A. R.CPI** **2004**. The role of chemical cues in host and mate location in the pear psylla *Cacopsylla bidens* (Homoptera: Psyllidae). J. Insect Behav. 17: 613-626. (CIT – 44, I.F. 1.084, 39/90, Category: Entomology) (Q2).

16. Gordon D., Zahavi T., Anshelevich L., Harel M., Ovadia S. and Dunkelblum E**., Harari A. R**.**PI** **2005**. Mating disruption of *Lobesia botrana* (Lepidoptera: Tortricidae): the effects of pheromone formulations and concentrations. J. Econ. Entomol. 98: 135-142. (CIT – 21, I.F. 1.804, 22/90, Category: Entomology) (Q1).

17. Soroker V., Blumberg D. and **Harari A. R.CPI** **2005.** The red palm weevil infestation in Israel, current situation. Phytoparasitica 33: 97-106. (CIT – 67, I.F. 0.621, 60/90, Category: Entomology) (Q2).

18. Sharon R., Soroker V., Weslay S. D., Zahavi T., **Harari A. R**.**CPI** and Weintraub P. G. **2005**. Vitex Agnus-Castus is a preferred host plant for *Hyalesthes absoletu*s. J. Chem. Ecol. 31: 1051-1063. (CIT – 36, 2.659, 5/90, Category: Entomology) (Q1).

19. Segoli M.S, **Harari A. R**.**PI** and Lubin Y. **2006**. Limited mating opportunities and male monogamy: a field study of white widow spiders, *Latrodectus pallidus* (Theridiidae). Anim. Behav. 72:635-642. (CIT – 23; I.F. 3.449, 7/153, Category: Zoology) (Q1).

 20. Zchori-Fein E., Borad C., Gordon D. and **Harari A. RPI** **2006**. Oogenesis in the date stone beetle, *Coccotrypes dactyliperda* depends on symbiotic bacteria. Physiol. Entomol. 31: 164-169. (CIT – 34, I.F. 1.547, 23/90, Category: Entomology) (Q2).

 21. Keasar T., Segoli M., Barak R., Steinberg S, Giron D., Strand M. R., Bouskila A. and **Harari A. R**.**CPI** **2006**. Costs and consequences of superparasitism in the polyembryonic parasitoid *Copidosoma koehleri*. Ecol. Entomol. 31: 277-283. (CIT – 29, I.F. 2.126, 12/90, Category: Entomology) (Q1).

 22. Yitaferu K., Lemma H., Megenassa T. and **Harari A. R**.**CPI** **2006**. The field biology of sorghum chafer: its temporal occurrence and overseasoning habits. Pest Management Journal of Ethiopia 10: 1-13.

 23. **Harari A. R.PI,** Zahavi T., Gordon D., Anshelevich L., Harel M., Ovadia S. and Dunkelblum E. **2007**. Pest management programs in vineyards using male mating disruption. Pest Manag. Sci. 63: 769-775. (CIT – 12; I.F. 2.889, 4/90, Category: Entomology) (Q1).

 24. Segoli MS, Lubin Y, **Harari A. R**.**PI** **2007**. [The effect of dietary restriction on the lifespan of males in a web-building spider](http://apps.isiknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Z2cNchDpdFD4fd55O6h&page=1&doc=3&colname=WOS). Evol. Ecol. Res. 9: 697-704. (CIT – 3, I.F. 1.939, 13/90, Category: Entomology) (Q1).

25. Zahavi T, Peles S, **Harari A. R**.**CPI** et al. 2007. [Push and pull strategy to reduce *Hyalesthes* *obsoletus* population in vineyards by *Vitex* *agnus castus* as trap plant](http://apps.isiknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=4&SID=V1ga@G5plD3EKjKEhpb&page=1&doc=2&colname=WOS). Bull. Insectology. 60: 297-298 (CIT – 8 I.F. 0.722, 57/90, Category: Entomology) (Q3).

26. Segoli M.S, Arieli R., Sierwald P., **Harari A. R**.**PI** and Lubin Y. **2008**. [Sexual cannibalism in the brown widow spider (*Latrodectus geometricus*)](http://apps.isiknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Z2cNchDpdFD4fd55O6h&page=1&doc=1&colname=WOS). Ethology 114: 279-286. (CIT – 17, I.F. 1.829, 42/153, Category: Zoology) (Q2).

27. Segoli M.S, Lubin Y and **Harari A. R**.**PI** **2009.** Frequency and consequences of damage to male copulatory organs in a widow spider. J. Arachnol. 36:533–537. (CIT – 4, I.F. 0.814, 45/74, Category: Entomology) (Q2).

28. Segoli M.S, Bouskila A., **Harari A. R.PI,** and Keasar T. **2009**. Developmental patterns in the polyembryonic parasitoid wasp *Copidosoma koehleri*. Arthrop. Struct. Devel. 38:84-90. (CIT – 11, I.F. 1.913, 16/90, Category: Entomology) (Q1).

29. Sharon R.PD, Zahavi T., Soroker V., **Harari A. R.PI 2009**. The effect of grape vine cultivars on *Lobesia botrana* (Lepidoptera: Tortricidae) population levels. J. Pest Sci. 82**:** 187-193. (CIT – 8, I.F. 2.012, 6/90, Category: Entomology) (Q1).

30. Segoli MS, **Harari A. R.PI,** Keasar T. and Bouskila A. **2009**. Host handling time in a polyembryonic wasp is affected both by previous experience and by host state (Parasitized or Not). J. Insect. Behav. 22: 501-510. (CIT – 4, I.F. 1.084, 34/90, Category: Entomology) (Q2).

31. Holzman J. P., BohonakA., KirkendallL. R., Gottlieb D.S, **Harari A. R**.**PI** and Kelly S. T. **2009**. Inbreeding variability and population structure in the invasive haplodiploid palm-seed borer (*Coccotrypes dactyliperda*). J. Evol. Biol. 22:1076-1087. (CIT – 7, I.F. 3.804, 12/85, Category: Biology) (Q1).

32. Segoli M.S, **Harari A. R.PI,** Bouskila A. and Keasar T. **2009**. Brood size in a polyembryonic parasitoid wasp is affected by relatedness among competing larvae. Behav. Ecol. 20:761-767. (CIT –15, I.F. 3.841, 6/153, Category: Zoology) (Q1).

33. Gottlieb D.S, Holzman J.P., Lubin Y., Bouskila A., KelleyS. T. and **Harari A.R.PI 2009**. Mate availability contributes to maintain the mixed mating system in a scolytid beetle. J. Evol. Biol. 22**:** 1526-1534. (CIT – 3, I.F. 3.804, 12/85, Category: Biology) (Q1).

34. **Harari A. R.PI,** Ziv M. and Lubin Y. **2009**. Conflict or cooperation in the courtship display of the white widow spider. J. Arachnol. 37: 254-260. (CIT – 5, I.F 0.814, 46/74, Category: Entomology) (Q3).

35. Segoli M.S, Keasar T., **Harari, A. R**.**PI**, and Bouskila A. **2009**. Limited discrimination abilities mediate tolerance towards relatives in polyembrionic wasps. Behav Ecol. 20: 1262-1267. (CIT – 10, I.F. 3.841, 6/153, Category: Zoology) (Q1).

36. Segoli M.S, Keasar T., Bouskila A.and **Harari A. R**.**PI** **2010**. Host choice decisions in the polyembryonic wasp *Copidosoma koehleri* (Hymenoptera: Encyrtidae). Physiol. Entomol. 35: 40-45. (CIT-4, I.F. 1.547, 23/74, Category: Entomology) (Q2).

37. Keasar T., **Harari A. R**.**CPI**, Guido Sabatinelli G., Keith D., Dafni A., Ofrit Shavit O. Zylbertal A. and Avi Shmida A. **2009**. Red anemone guild flowers as focal places for mating and feeding of 8 Levant glaphyrid beetles. Biol. J. Linn. Soc. 99: 808-817. (CIT – 7, I.F. 2.705, 4/74, Category: Entomology) (Q1).

38. Sharon R., Peles S., Gordon D. and **Harari A. R**.**CPI** **2010**. Intraspecific attraction and host tree selection by adult *Capnodis tenebrionis***.** Israel J. Plant Sci. 58: 53-60. (CIT – 1, I.F. 0.703, 49/74, Category: Entomology) (Q3).

39. Segoli M.S, **Harari A. R**.**PI**, Bouskila A.and Keasar T. **2010**. The effect of host starvation on parasitoid brood size in a polyembryonic wasp. Evol. Ecol. Res. 12:259-267. (CIT – 1, 13/90, Category: Entomology) (Q1).

40. Segoli M.PD, **Harari A. R.CPI**, Rosenheim J. A., Bouskila A. and Keasar T. **2010**. The evolution of polyembryony in parasitoid wasps:A review. *J. Evol. Biol.* 23: 1807-1819. (CIT – 1, I.F. 3.804, 12/85, Category: Biology) (Q1).

41\*.Gottlieb D.S, Lubin Y., BouskilaA., Gordon D. and **Harari A. R**.**PI** **2011**. Time limitation affects offspring traits and female’s fitness through maternal oviposition behavior. Biol. J. Linn. Soc. 102: 728-736. (CIT – 4, I.F. 2.705 4/74, Category: Entomology) (Q1).

42\*. Morag N., Bouskila A., Rapp O., Segoli M., Keasar T. and **Harari A. R**.**CPI 2011**. The mating status of mothers and offspring sex affect clutch size in a polyembryonic parasitoid wasp. Anim. Behav. 81: 865-870. (CIT – 2, I.F. 3.449, 7/153, Category: Zoology) (Q1).

43\*. **Harari A. R**.**PI**, Zahavi T. and Thiéry D. **2011**.Fitness cost of pheromone production in signaling female moths. Evolution65: 1572-1578. (CIT – 19, I.F. 5.787, 9/85, Category: biology) (Q1).

44\*. Gottlieb D.S, Bouskila A., Sitkov-Sharon G.S, Lubin Y. and **HarariA. R.PI 2011**. Female palm stone borer beetles adjust their sex ratio according to relatedness of female neighbors. Evol. Ecol. Res. . 12: 885-896.

 (13/90, Category: Entomology) (Q1).

45\*. Morag NS, Keasar T, **Harari A. R.CPI,** Bouskila A. **2011**. Trans-generational epigenetic effects of maternal rearing density on offspring development in a parasitoid wasp. Physiol. Entomol. 36: 294-298. (CIT – 1, I.F. 1.534, 29/90, Category: Entomology) (Q2).

46\*. Morag N.S, **Harari A. R.CPI,** Bouskila A. and Keasar T. **2011**.Low maternal host-encounter rate enhances offspring proliferation in a polyembryonic parasitoid. Behav. Ecol. Sociobiol. 65: 2287-2296. (CIT – 1, I.F. I.F. 3.841, 6/153, Category: Zoology) (Q1).

47\*. GottliebD.PD, Lubin Y. and **Harari A. R.PI** 2013. The effect of female mating status on male offspring traits. Behav. Ecol. Sociobiol. 68: 701-710. (I.F. 3.841, 6/153, Category: Zoology) (Q1).

48\*. Soroker V., Alchanatis V., **Harari A.CPI,** Talebaev S., Anshelevich L., Reneh S. and Levsky S.2013. Phenotypic plasticity in the pear psyllid, *Cacopsylla bidens* (Šulc) (Hemiptera, Psylloidea, Psyllidae) in Israel. Israel J. Entomol. 43: 21-31.

49. Steinitz H., Sadeh A., Kliot A., and Harari A. (**2015**). Effects of radiation on inherited sterility in the European grapevine moth (*Lobesia botrana*). Pest Manag. Sci. 71: 24-31.‏ (I.F 2.889, 4/90, Category: Entomology) (Q1).

50\*. **Harari A. R**.**PI**, Zahavi T. and Steinitz H.T (**2015**). Female detection of the synthetic sex pheromone contributes to the efficacy of mating disruption on the European grapevine moth, *Lobesia botrana.* Pest Manag. Sci. 71: 16-322. (I.F. 2.889, 4/90, Category: Entomology) (Q1).

51\****.*** SharonR., **Harari A. R.**CPI, ZahaviT., RazR., Dafny-YelinM., TomerM., Sofer-AradC., WeintraubP. G. and NaorV. (**2015**) A yellows disease system with differing principal host plants for the obligatory pathogen and its vector. Plant Pathology. Accepted. (I.F. 2.788, 5/90, Category: Entomology) (Q1).

52\*.Steinitz H., Sadeh A Tremmel M. and **Harari A. R.** Methods to separate males form females for SIT-IS control tactics. Florida Entomologist. Accepted  **2015**. (Invited) (IF 1.14; Category: Entomology; Rank 42/90) (Q2)

53 . Hood-Nowotny R.**,** Harari A., Seth R.,Wee S.- L., Conlong D.,. Suckling D. M., Woods B., Lebdi-Grissa K., Simmons G.,Carpenter J.. Stable isotope markers in mass reared Lepidoptera sterile insect technique programs. Florida Entomologist . Accepted  **2015** (Invited) (IF 1.14; Category: Entomology; Rank 42/90) (Q2)

1. **Books and Invited Reviews**

**Harari A. R**. **PI** and Steinitz H.T **2013**. The evolution of female sex pheromones. Curr. Zool. 59: 567*–*576. Invited review. (CIT – 2, I.F. 1.814) (JR- 18/90, Category: Entomology). (Q1).

1. **Book Chapters**

**Harari A. R.** and Sharon R. Chemical Communication, *In*: *Bio-Communication.* Gordon, R. & J. Seckbach, Ed. (2014). *[Accepted].* Chicago, University of Chicago Press

\*. Soroker V., **Harari A. R**. and Faleiro J.R. 2015. Therole of semiochemicals in date pest management. *In*: *Sustainable Pest Management in Date Palm: Current Status and Emerging Challenges* . Wakil, J.R. Faleiro, & T.A. Miller (eds.), Springer, The Neatherlans, 307-336.

1. **Articles in Reviewed Journals in Hebrew**
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