

## CURRICULUM VITAE: RANA SAMARA

*Dean of Scientific Research*

Palestine Technical University-Kadoorie(PTUK)

P.O. BOX 7

TULKARM, WEST BANK

PALESTINE

**Telephone:** +970 92671026 ex 2009

**Fax:** +970 92677922

**Mobile:** +970 597-158-447, +970 592-060-671

**Email:** r.samara@ptuk.edu.ps / rysamara@daad-alumni.de

**Work eligibility:** Canadian citizen

### SUMMARY OF QUALIFICATIONS

Management experience in organizational leadership and relationship building with national, regional, and international organization and institutions.

Developing and maintaining research oriented partnerships between academic institutions, government and industry

Broad consultancy experience, covering research environmental risk assessments, reports for legal disputes of standard operating procedures (SOP), Job safety analysis (JSA)

Extensive management experience of multidisciplinary national and international projects; hiring and managing staff; fundraising; strategic planning and budgeting; managing and planning research.

Ten years teaching experience at the graduate and undergraduate levels. Areas of teaching competence include Entomology, biological control, crop protection and agricultural science.

Experienced in developing course curricula and new undergraduate and graduate programs in line with the University's overall programming objectives.

Highly organized and a dedicated problem solver.

Proven ability to work equally well as team leader or part of a team.

### EDUCATION

2005 PhD (Entomology & biological control), University of Hohenheim – Germany.

1998 M.Sc. (Entomology) University of Jordan – Amman.

1995 B.Sc. (Plant Protection), University of Jordan- Amman.

### POSITION HELD

#### COORDINATOR

Coordinator and member of the Advisory Board Committee of Palestinian-German Science Bridge (PGSB) PTUK&PALAST

Coordinator and member of the Advisory Board Committee of Palestinian-Quebec Science Bridge (PQSB) PTUK & PALAST

Advisory Board Committee of Horizon 2020 Program/ MOEHE

Steering Board Committee of Palestinian German Program/ International cooperation in science and research / MOEHE

Advisory Board Committee of Horizon 2020 Program/PTUK & MOEHE

Advisory Board of West Bank Research Hub/ Notre Dame Initiative for Global Development project

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### ADMINISTRATIVE

- 2016-pre Dean of Scientific Research, Palestine Technical University (Kadoorie)(PTUK), Palestinian territories
- 2015-16 Director of Kadoorie Agricultural Research Center, PTUK, Palestinian territories
- 2012-15 NSERC Visiting Research Scientist, Agriculture and Agri-Food Canada, ON, Canada
- 2009-10 Chair, Department of Agricultural research centre, PTUK, Palestinian territories

### ADMINISTRATIVE COMMITTEE SERVICE (SELECTED):

- Chair, Advisory board for the Graduate program committee
- Chair, Research Excellence Award, Publishing Finance, and Conferences Finance
- Chair, Graduate and Scientific Research Committee
- Chair, PTUK internal Scientific Research fund committee
- Chair, PTUK journal Editorial Board committee
- Member, PTUK Dean Council
- Member, the Palestinian Agricultural Research and Innovation Strategic plan 2016-2020
- Member, Student Guide Committee
- Member, Innovation and sustainability of the agricultural sector in Palestine committee
- Representatives of the Arab Society for Plant Protection in the Arab Countries

### Academic

- 2017-pre Associate Professor of entomology, PTUK
- 2009-16 Assistant Professor of entomology, PTUK
- 2008-09 Non-tenure track Assistant Professor, Al-Najah National University, Palestinian territories
- 2006-09 Distance learning instructor, Al-Quds Open University, Palestinian territories

### ACADEMIC AWARDS AND HONOURS

- 2017& 18 PTUK distinguished published research paper award.
- 2017-18 Palestinian American Research Center (PARC) Research Fellowship
- 2012-15 Natural Sciences and Engineering Research Council of Canada (NSERC) visiting scientist fellowship
- 2001-05 Germany Academic Exchange Service (DAAD) scholarship for Ph.D. studies in Germany.
- 1995-98 Hamdi and Manko fellowship for M.Sc. students.
- 1991-95 Jordanian Army scholarship for B.Sc. students.

### FUNDED PROJECT:

- Palestinian indigenous plant extract to control barley loose smut *Ustilago nuda*. Funded by Palestinian American Research Center (**PARC**). (**5,000 \$**)
- Combination of biocontrol agents and chemical Nematicide for the control of Root-Knot Nematode on Tomato. Supported by Applied Integrated Research. From the Palestinian Agricultural Academic Cooperation Project (PAAC). Funded by **NUFFIC (3,000 \$)**
- Biological Control with Endogenous Natural Enemies against Red Palm Weevil. Supported by Applied Integrated Research. From the Palestinian Agricultural Academic Cooperation Project (PAAC). Funded by **NUFFIC (3,000 \$)**

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Natural Induced Resistance in Barley and Wheat Using Palestinian Endogenous Plant Extracts Against plant disease. Supported by Applied Integrated Research From the Palestinian Agricultural Academic Cooperation Project (PAAC) Funded by **NUFFIC (3,000 \$)**

Strategies for the management of virus transmission in grapevine leafroll viruses by mealybugs. MoA. National Agricultural Research Center (NARC) and Food and Agriculture Organization (**FAO (20,000\$)**)

### LEADERSHIP ACTIVITIES

#### ***2016-Present: Dean of Scientific Research, PTUK – Tulkarem***

Manage and plan general fund, indirect cost, base budget, allocate funds in support of scholarly and creative activities.

Prepare annual budget reports, achievement reports.

Monitor graduate programs enrolments, progress and resource allocation consonant with academic objectives and core curriculum.

Interview candidates and work with chairs to recruit top candidates.

Conduct annual evaluation

Work with departments and human resource personnel to resolve personnel disputes.

Prepare letters of support for awards for undergraduate and graduate student and staff

Select annual awards recipients for distinguished researcher, published paper, citation.

Created and conducted new faculty workshops.

#### ***2015-Present: Assistant Professor, Horticulture and Agriculture Extension, Faculty of Agricultural Science and Technology, PTUK – Tulkarem***

Instructed Agricultural Science and horticulture courses for Undergraduate level.

Led and managed laboratory, field projects in pest management, applied entomology, biological control, biotechnology, and crop resistance.

Published scientific manuscript in peer reviewed journals.

**2012-2015: NSERC Visiting Research Scientist, Agriculture and Agri-Food Canada (AAFC). Southern Crop Protection and Food Research Centre (SCPFRC)-Vineland. Department of plant protection/ Led several national projects in “Strategies for the management of Plum Pox Virus transmission in orchards”. In collaboration with; University of Guelph, Pacific Agri-Food Research Centre (PARC) and Canadian food inspection agency (centre for plant health)**

Participated significantly in overseeing several research projects through the national PPV project program.

Led and trained a group of technician staff, graduate and undergraduate students.

Investigated the impact of different disease management strategies on the virus detection.

Managed plant viruses and their vectors with agrochemicals and other control procedures.

Monitored seasonal susceptibility and resistance of the host plants to disease infection.

Endemic impact of the disease on tree development, vigour and productivity.

Epidemiological field studies of the virus spread in orchards

Examined the efficacy of new and novel insecticides on insect pest behaviour and virus transmission.

Published scientific manuscript in peer reviewed journals.

Presenting research results at international workshops and conferences and conveyed to the industry stakeholders through regional workshops and meeting.

Writing and presenting the annual progress report to the CFIA and the Treasury Board of Canada

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**2011-2012 Visiting Scientist**, Agriculture and Agri-Food Canada. Southern Crop Protection and Food Research Centre (SCPFRC). Department of Toxicology/ University of Western Ontario  
Monitored resistance and cross resistant potentials in insect pest populations against registered agrochemicals.

Evaluated the potential mechanisms of resistance in selected insect strains.

Assessed the impact of elicitors and synergist on plant proteins associated with induced plant resistance to insect pest.

Supervised and trained technician staff, graduate and undergraduate students.

**2009- 2010 Head of the Department of Agricultural research centre**, PTUK – Tulkarem

Planned and supervised laboratory, greenhouse and field experiments in applied entomology, phytopathology, biological control, biotechnology, crop resistance, and extension in pest management.

Planned training courses and trained technicians throughout TOT program (Training of Trainers) for the staff of the Central Public Health Laboratories (CPHL) in the Ministry of Health (MOH).

Published scientific manuscript in peer reviewed journals.

Presenting research results at local and national workshops and conferences.

**2008- 2009 Full time non-tenure track Assistant Professor**, Faculty of Graduate Studies and Faculty of Agriculture. Al-Najah National University– Nablus

Instructed Agricultural Science/ Plant Protection courses for Graduates and Undergraduate level. Some of the instructed courses: “Economic Entomology”, “Plant Pathology”, “ Agricultural Pesticides”, “Field Training in Plant Protection” and “Crop Pests”

Guided and encouraged self-instruction and motivated toward higher education at least 30 students per class

Constructed course curriculum, evaluated educational courses and improved text books for continued improvement and promoting enrolment of new students

**2006- 2009 Distance learning instructor** at the Faculty of Agriculture in Al-Quds Open University – Palestinian territories

Instructed courses in agricultural science.

Construction of course curricula, evaluated courses and improved text books for implementing continues improvement and promoting enrolment of new students.

**2001-2005 Junior Researcher and teaching assistant**, Department of Plant Protection, University of Hohenheim/ Germany

Conducted research project on biological, ecological and behavioural characteristics of insect pest and their beneficial, and modified different molecular techniques and barcoding based on PCR and AFLP analyses for the phylogenetic and biodiversity studies.

Trained and supervised TA, graduate and undergraduate students.

Instructed the practical parts of entomological courses .

Participated in an intensive workshop course and training for “Ecology, Molecular Interactions and Evolution of Animals, Plants and their Antagonists with respect to Pathogens, Parasites and their Hosts”.

**1998-2000 Research Expert**, Department of Pesticide Researches, Studies and Registration in the Veterinary and Agricultural Products Manufacturing Co. Ltd/ **VAPCO**. Amman-Jordan

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Registered new pesticide formulated by the company at the ministry of agriculture and exported countries according to international and national pesticides acts and regulations, policies and guidelines in cases of pollution incidences

**1995-1997 Teaching and Research Assistant**, University of Jordan, Amman-Jordan

Instructed the practical part of the entomological courses “economic entomology“ and “field crop entomology“ during Master Program

### TEACHING RESPONSIBILITIES

*Palestine Technical University/Kadoorie*: “Economic Entomology”, “Botany”, “Agricultural Extension and Marketing”

*Al-Najah National University* : “Economic Entomology”, “Plant Pathology”, “Agricultural Pesticides”, “Field Training in Plant Protection” and “Crop Pests”

*Distance learning*: “Botany”, “Protected Agriculture”, “Insecticides & toxicity”, “Principles of soil irrigation & drainage”, “Agriculture machinery”, “Medical & aromatic plants”, “Plant propagation & nurseries”, “Agriculture in Palestine”, “Home gardening”, “Graduation project”, “Use of land economics”, “Living with technology”

*University of Hohenheim* : “General Entomology”, “Plant Protection” and “Biological Control”

*University of Jordan*: “Economic Entomology“ and “Field Crop Entomology“

### PROFESSIONAL ASSOCIATIONS

Member of Entomological Society of Canada (ESC-SEC)

Member of Entomological Society of America (ENTSOC)

A.Ag. Member of Ontario Institute of Agrologists (OIA)

Member of the Jordanian Agricultural Engineers Association.

Member of the Arab Society for Plant Protection (ASPP)

Member of the German Society of General and Applied Entomology (DGaaE)

### PROFESSIONAL AND ACADEMIC INTEREST

Capability of managing departments and working teams

Capability of lecturing different courses of plant protection & biotechnology

Molecular biology, Biotechnology, genetic engineering

Entomology, plant phytopathology and parasitology

IPM, pest control, biological and microbial control

Invertebrate biology, physiology, ecology, behaviour and genetics

Toxicology, pesticides chemistry and analysis

### RESEARCH INTEREST

Biological control with parasite, predators and entomopathogenic, environmental safety assessment of natural enemies.

Environmental chemistry and toxicology.

Mechanisms of pesticide toxicology, metabolism and mode of action of organic toxicants.

Biology, ecology, behaviour, genetic and biochemistry.

Genetic diversity, modern techniques in biotechnology and nanotechnology.

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### **WORKSHOPS AND TRAININGS**

- 2018 Research Ethics and Institutional Review Boards Proposal Writing Project Management and Research Administration. Notre Dame initiative for global development Research Quality Systems Residency.
- 2018 Education training Follow up preparation to the NL workshop. Palestinian Agribusiness and Academic Cooperation Project.
- 2018 Cooperation workshop Joint Research and Education Programme “Palestinian-German Science Bridge PGSB” Forschungszentrum Jülich GmbH & Palestine Academy for Science and Technology, Forschungszentrums Jülich. Germany
- 2018 Research Output Management Training Workshop (Advanced Level), Vienne, Austria.
- 2018 Capacity building on Food & Agribusiness and Rural Development in the Palestinian Territories (NICHE-PAA-233)
- 2017 Alumni Meeting '23 Years DAAD Third Country Scholarship Program for Postgraduate Studies' Workshop 'Strengthening Palestine’s Higher Education Landscape -Past, Present and Future'.
- 2017 Cooperation workshop Joint Research and Education Programme “Palestinian-German Science Bridge PGSB” Forschungszentrum Jülich GmbH & Palestine Academy for Science and Technology 6 – 11 May 2017, PALAST, Ramallah
- 2017 PAAC Project Palestinian Agricultural Academic Cooperation / Agribusiness
- 2017 Female Talent Development Training, Palestinian Agribusiness and Academic Cooperation Project, Jericho, Palestine
- 2016 World Water Day 2016 – Water and Jobs
- 2016 Field training course for plant protection in cooperation with the Center for Development Action / funded by the Kadouri Foundation
- 2016 First framework of the national strategy for agricultural research in Palestine.
- 2016 Agricultural Research Strategy in Palestine
- 2015 Agricultural Technology in Greenhouses
- 2015 The establishment of an Agricultural Knowledge and Information Centre at PTUK
- 2004 Workshop and Demonstration of Computer software to reconstruction of Phylogenetical trees, construction of super trees and super-matrix techniques. Annual meeting of the Society of systematics biology (GfBS). Stuttgart-Germany.
- 2003 SAS, SPPS, Sigma plot
- 2002 Homepage construction: Web design, HTML, working with Dream Weaver
- 1999 Burning and propagation of Fruit trees. Agricultural Engineers Association. Jordan.

### **SKILLS**

#### ***LANGUAGES***

Arabic: mother tongue.

English: excellent.

German: very good, six months intensive courses, Goethe-Institute, Freiburg, Germany.

French: basic knowledge

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### COMPUTER

Excellent capability in dealing with several software packages (Word Processing: MS-Word, WordPerfect; Statistics: SAS, Excel, SPSS, Sigma plot; Graphics/presentation: PowerPoint, Adobe Photoshop, Harvard Graphics; biotechnological programmes: PAUP, DNA star, GEL compare, AFLP surv, MEGA).

### RESEARCH

Capability to deal with several laboratory instruments and supplies.

Good knowledge of scientific research and related procedures:

Molecular biology (PCR, DRT-qPCR, DNA extract, ITS2, AFLP, analytical software: PAUP, DNA star, GEL compare, AFLP surv, MEGA).

Electrical penetration graph (EPG), Olfactometer, the observer software, suction traps,

GLC, HPLC, Spectrophotometer, ELISA,

DTA, FTA, Refractometer, pH meter, Titrosampler, Chroma meter, SPAD meter.

### PUBLICATIONS

1. **Samara. R.**, Alkowni.R., Qubbaj T., Abuquod H., Jarrar S. **2018**. Plant Diseases Associated With Olive Bark Midge In West-Bank Palestine. Crop for research. 19(4)
2. **Samara, R. T.** Lowery, L. Stobbs, P. Vickers, N. Bittner, N. **2018**. Efficacy assessment of various novel Insecticides on green peach aphid *Myzus Persicae* (under preparation)
3. **Samara, R. T.** Lowery, Stobbs, L. Vickers, P. and Bittner, N. **2018**. Effect of various novel Insecticides on green peach aphid *Muzus persicae* Sulzer (Homoptera: Aphididae) transmission of non-persistent viruses (under preparation)
4. **Samara, R.**, Hunter, D., Stobbs, L., Greig, N., Delury, N., T. Lowery. **2017**. Impact of Plum pox virus (PPV-D) infection on peach tree growth, productivity and bud cold hardiness. Canadian Journal of Plant Pathology. 39: 218-228
5. Scott, I.M. R. **Samara, J.B.** Renaud, M.W. Sumarah. **2017**. Plant growth regulator-mediated anti-herbivore responses of cabbage (*Brassica oleracea*) against cabbage looper *Trichoplusia ni* Hubner (Lepidoptera: Noctuidae). Pesticide Biochemistry and Physiology. **ISI:2.55** <http://dx.doi.org/10.1016/j.pestbp.2016.10.005>
6. **Samara, R.** **2016**. First Records of Endogenous Bio-Agent of the Red Palm Weevil *Rhynchophorus Ferrugineus* (Olivier) (Coleoptera: Curculionidae) in Palestine. Journal of Agriculture and Crops. 2:57-61
7. Scott I M, Lalin I, **Samara R**, Khabbaz S E, Benitez X, Saavedra A. **2016**. Acaricide susceptibility in Ontario and B.C. populations of two spotted spider mite *Tetranychus urticae*. Pest Management Research Report (PMRR) 2015 Growing Season. 54: 64 pp. <http://phytopath.ca/publication/pmrr>
8. **Samara, R. T.** Lowery, Stobbs, L. Vickers, P. Bittner, L. and Greig, N. **2016**. Horticultural mineral oil influences Plum pox virus transmission by *Myzus persicae*. Journal of Applied Entomology. 140: 688–696. DOI: 10.1111/jen.12296. **ISI: 1.517**
9. Stobbs, L. Lowery, T. **Samara, R.** Vickers, P. Bittner, L. Greig, N. **2015**. Development of a detached leaf procedure for the evaluation of seasonal susceptibility of peach to PPV by *Myzus persicae* (Sulzer) Canadian Journal of Plant Pathology. 37:230-236. **ISI: 1.252** DOI:10.1080/07060661.2015.1035753

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10. Stobbs, L. Lowery, T. **Samara**, R. Vickers, P. Bittner, L. Greig, N. **2014**. Influence of horticultural oil (Superior-70) on Plum pox virus (PPV) detection in treated and untreated PPV infected peach (*Prunus persicae* L.) leaves. Canadian Journal of Plant Pathology. 36(4): 523-528. **ISI: 1.252**
11. **Samara**, R. T. Lowery, Stobbs, L. Vickers, P. and L. Bittner, **2014**. Persistent of Superior-70 oil on peach leaves and its effect on plum pox virus transmission by green peach aphid and EPG monitoring of aphid probing behavior. Ontario Fruit and Vegetable Convention Niagara falls, Ontario.
12. Stobbs, L., D., Hunter, R. **Samara**, T. Lowery, H. Sanfaçon. **2013**. Progress in Epidemiological Research on Plum Pox Virus. The Tender Fruit Grape Vine (for Commercial Fruit Growers), 17(5), pp. 5-6 (<http://www.omafra.gov.on.ca/english/crops/hort/news/tenderfr/tf1705a3.htm>)
13. Ouda, O. Al-Shuhail, A. Qubbaj, T. **Samara**, R. **2013**. Assessing the applicability of Ground Penetrating Radar (GPR) techniques for estimating soil water content and irrigation requirements in the Eastern Province of Saudi Arabia: A project methodology. International Journal of Advanced Research in Engineering & Technology (IJARET). 4(1): 114-123.
14. **Samara**, R. & T. Qubbaj. **2012**. Preliminary study of some aphid natural enemies of Tulkarm- Northern West-Bank and their aphid-plant associations. International journal of Agronomy and Plant Production 3(4):123-127(<http://www.ijappjournal.com/2012-3-4/>)
15. **Samara**, R. Monje, J.C., T. Qubbaj & Zebitz C.P.W. **2011**. Studies on Host Preference and Oviposition Behaviour of *Trichogramma aurosum* Sugonjaev and Sorokina (Hymenoptera: Trichogrammatidae) strains in choice and non-choice tests. Arab Journal of Plant Protection. 29(2): 259-266.
16. **Samara**, R. Monje, J.C. Zebitz C.P.W. & T. Qubbaj. **2011**. Comparative biology and life tables of *Trichogramma aurosum* Sugonjaev & Sorokina (Hymenoptera: Trichogrammatidae) on *Cydia pomonella* L. at constant temperatures. Phytoparasitica. 39 (2):109-119.
17. **Samara**, R. Monje, J.C. Qubbaj, T. & Zebitz C.P.W. **2011**. Host age preference behaviour of *Trichogramma aurosum* Sugonjaev & Sorokina (Hymenoptera: Trichogrammatidae) International journal of Agronomy and Plant Production 2(2):57-68(<http://www.ijappjournal.com/2011-2-2-2/>)
18. **Samara**, R., J. C. Monje & C. P. W. Zebitz. **2008**. Distribution of *Trichogramma aurosum* Sugonjaev & Sorokina (Hymenoptera: Trichogrammatidae) in Middle Europe. Berichte des Naturwissenschaftlich-Medizinischen Vereins in Innsbruck: Band 94.
19. **Samara**, R. Monje, J.C. Reineke, A. & Zebitz C.P.W. **2008**. Genetic divergence of *Trichogramma aurosum* Sugonjaev and Sorokina (Hymenoptera: Trichogrammatidae) individuals based on ITS2 and AFLP analysis. Journal of Applied Entomology. 132(3): 230 - 238
20. **Samara**, R. Monje, J.C. & Zebitz C.P.W. **2008**. Comparison of different European strains of *Trichogramma aurosum* Sugonjaev and Sorokina (Hymenoptera: Trichogrammatidae) using fertility life tables. Biocontrol Science & Technology. 18(1):75-86
21. **Samara**, R.Y., J.C. Monje & C.P.W. Zebitz. **2005**. Fertility life-table construction of different European strains of *Trichogramma aurosum* Sugonjaev et Sorokina (Hymenoptera: Trichogrammatidae). In: Herz, A., O. Zimmermann, S.A. Hassan & J. Huber. Bericht über das vierte Fachgespräch zum biologischen Pflanzenschutz: "Trichogramma - Wissensstand und Zukunftsperspektiven". Nachrichtenblatt des Deutschen Pflanzenschutzdienstes 57(1): 4-10.
22. **Samara**, R. Monje, J.C. & Zebitz C.P.W. **2005**. Host preference and oviposition behaviour of *Trichogramma aurosum* Sugonjaev & Sorokina (Hymenoptera: Trichogrammatidae). Mitteilung der Deutschen Gesellschaft für allgemeine und angewandte Entomologie. Band 15. Entomologen Tagung. Dresden - Germany. Abstract book, 163.



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23. **Samara R, 2005.** Biology, behaviour and genetic diversity of *Trichogramma aurosum* Sugonjaev and Sorokina (Hymenoptera: Trichogrammatidae). PhD Thesis, Verlag Grauer, Stuttgart, pp. 153. ISBN-3861865025
24. **Samara, R. Monje, J.C. & Zebitz C.P.W. 2004.** Phylogenetic studies on *Trichogramma aurosum* Sugonjaev & Sorokina (Hymenoptera: Trichogrammatidae). Proceeding of the 7<sup>th</sup> Annual meeting of the GfBS. Society of systematics biology. Stuttgart-Germany (abstract).
25. **Samara, R. Monje, J.C. & Zebitz C.P.W. 2004.** Host age selection behaviour of *Trichogramma aurosum* Sugonjaev und Sorokina (Hymenoptera: Trichogrammatidae). Proceeding of the 10<sup>th</sup> International Conference on Cultivation Technique and Phytopathological Problems in Organic Fruit Growing and Viticulture. Weinsberg-Germany. 335-338.
26. Mustafa, M. and **Samara, R. 1998.** Reproduction potential and susceptibility to the infestation of some Broad bean cultivars *Vicia faba* to the black bean aphid *Aphis fabae* Scopli (Homopeta: Aphididae). Arab Journal of Plant Protection. Alpo.
27. Mustafa, M. and **Samara, R. 1998.** Effect of Temperature on the reproduction of the black bean aphid *Aphis fabae* Scopli (Homopeta: Aphididae). Arab Journal of Plant Protection. Alpo. Vol. 16 (2): 102-104.
28. Mustafa, M. and **Samara, R. 1998.** Monitoring the flight activity of the black bean aphid *Aphis fabae* Scopli (Homopeta: Aphididae) in the Central Jordan Valley. Arab Journal of Plant Protection. Alpo. Vol. 16(2).

### CONFERENCE CONTRIBUTIONS

1. **Samara, R.** First records of naturally occurring bio-agent of the red palm weevil *Rhynchophorus ferrugineus* in Palestine. The 1<sup>st</sup> International Conference on “Integrated Protection of Date Palms” (IPDP) 2017. Arabian Gulf University, Bahrain.
2. Alkowni, R., H. AbuQauod; S. Jarrar; R. **Samara. 2016.** Reporting Olive bark midge *Resseliella oleisuga* Targ. (Diptera: Cecidomyiidae) infesting olive trees in North Palestine. The Third International Conference on Olive in Palestine (ICOP 3<sup>rd</sup> ). PTUK.
3. **Samara,R.,** Lorne Stobbs, Thomas Lowery, Neva Greig, Trish Vickers, Lori Bittner. Strategies for the reduction of PPV transmission in orchards to enhance management. 3rd International Symposium on Plum Pox Virus 09-14 / 05 /2016 Antalya /Turkey
4. **Samara, R. T. Lowery, Stobbs, L. Vickers, P. Bittner, L. and Greig, N. 2016.** Detached leaf technique procedure on successful detection and evaluation of seasonal susceptibility of peach trees to Plum Pox Virus by green peach aphid *Myzus persicae* (Sulzer). Processing of the Fourth conference on biotechnology research and application in Palestine
5. Scott, I.M., R. **Samara, M. Sumarah and B. McGarvey. 2013.** Synergism of induced plant defenses by natural products: alternative strategies for herbivore pests. Platform presentation at the Entomological Society of America Annual meeting, Austin, Texas, November 10-13.
6. **Samara, R. Lowery, T. Vickers,P. Bittner, and L. Stobbs, L. 2013.** Strategies for the reduction of PPV transmission in orchards to enhance management. Ontario Tender Fruit producers AGM, Lincoln, ON.
7. Factors affecting detection, transmission and management of Plum Pox Virus. **2012.** Canadian Phytopathological Society/International Plum Pox Virus Joint Meeting. Niagara Falls, Ontario, Canada

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8. **Samara, R. 2009.** Role of agricultural education in the universities and colleges in rural developments and continues learning. Proceedings of the first conference for agricultural education and training: facts and challenges. Aroob / Palestine.
9. **Samara, R. Monje, J.C. & Zebitz C.P.W. 2005.** Host preference and oviposition behaviour of *Trichogramma aurosum* Sugonjaev & Sorokina (Hymenoptera: Trichogrammatidae). German society of general and applied entomology (DGaE). Band 15. Entomologen Tagung. Dresden - Germany.
10. **Samara, R. Monje, J.C. & Zebitz C.P.W. 2004.** Phylogenetic studies on *Trichogramma aurosum* Sugonjaev & Sorokina (Hymenoptera: Trichogrammatidae) .7th Annual meeting of the GfBS. Society of systematics biology. Stuttgart-Germany.
11. **Samara, R. Monje, J.C. & Zebitz C.P.W. 2004.** Fertility life-table construction of different European strains of *Trichogramma aurosum* Sugonjaev & Sorokina (Hymenoptera: Trichogrammatidae). 4<sup>th</sup> meeting on biological control; *Trichogramma* knowledge and future prospects. BBA-Germany.
12. **Samara, R.Y., Monje J.C. & Zebitz C.P.W. 2004.** Host age selection behaviour of *Trichogramma aurosum* Sugonjaev & Sorokina (Hymenoptera: Trichogrammatidae). 12<sup>th</sup> International Conference on Cultivation Technique and Phytopathological Problems in Organic Fruit Growing and Viticulture. Weinsberg-Germany.

### REFERENCES

- **Prof. Marwan Awartani.** President of Palestine Academy for Science and Technology (PALAST). Professor of Mathematics.
- **Dr. Lorne Stobbs.** Research Scientist Plant Virologist, Researcher in Charge (RIC) Vineland Site of SCPFRC. Agriculture and Agri-Food Canada. Vineland Station, L0R2E0 Ontario. Tel:905-562-2037, lorne.stobbs@agr.gc.ca
- **Dr. Tom Lowery.** Research Scientist. Pacific Agri-Food Research Centre (PARC) Summerland, V0H1Z0.BC. Tel: 250-404-3324, tom.lowery@agr.gc.ca
- **Dr. Ian Scott.** Research Scientist Insecticide Toxicologist. Agriculture and Agri-Food Canada. N5V4T3 London, ON. Tel: 519-953-6682, ian.scott@agr.gc.ca
- **Prof. Dr. Dr. Claus .W.P. Zebitz.** Head of the Phytomedicine institute (360)/ Hohenheim University 70593 Stuttgart, Germany. Tel: 0049.711.459.22400, Claus.Zebitz@uni-hohenheim.de (8:00 am to 11:00 am EST)
- **Prof. Dr. Annette Reineke.** Head of Department of Phytomedicine/ Geisenheim University, Geisenheim, Germany. Tel:0049.672.250.2411, Annette.Reineke@hs-gm.de (8:00 am to 10:00 am EST)
- **Dr. Juan Carlos Monje.** Taxonomic Coordinator South West, German Barcode of Life (GBOL) at State Museum of Natural History Stuttgart, 70593 Stuttgart, Germany. Tel.:0049.711.893.6238, monje.smns@naturkundemuseum-bw.de (8:00 am to 10:00 am EST)