Curriculm Vitae of Professor Yacoub Batta

Current occupation: Distinguished Professor of An-Najah University

(Last update on March 1st, 2020)

I. PERSONAL DATA:

1. Full Name: Yacoub Ahmad Batta
2. Nationality: Palestinian
3. Married with 5 children
4. Permanent Address: Nablus, West Bank, Palestine, P.O. Box 562 (Nablus).
5. Present Address: Nablus, West Bank, Palestine, P.O. Box 562 (Nablus).
6. E-mail: **yabatta@najah.edu**
yacoub.abatta@gmail.com
7. Website: https://www.najah.edu/en/research/distinguished-professor/
https://staff.najah.edu/en/search/?q=yacoub+batta
8. Homepage: http://staff.najah.edu/yabatta

II. ACADEMIC QUALIFICATIONS:

Degree	University	Country	Degree Year	Field of Specialization
Ph. D	INA-Paris-Grignon (Paris University)	France	1991	Agriculture/Plant Protection- Plant Pathology
D. A. A (Diplome d'Agronomie Approfondi)	INA-Paris-Grignon (Paris University)	France	1987	Agriculture/Plant Protection- Plant Pathology & Entomology
M. Sc.	University of Jordan-Amman	Jordan	1984	Agriculture/Plant Protection- Entomology
B. Sc.	University of Jordan-Amman	Jordan	1979	Agriculture/Plant Protection (G.P.A. Grade: Very good)

III. Languages/Special Skills:

Arabic	Speaking □x	Reading □x	Writing □x
English	Speaking □x	Reading □x	Writing □x
French	Speaking □x	Reading □x	Writing □x
Computer Skills	Good		

IV. PROFESSIONAL EXPERIENCE

Number of years of post-doctoral experience: until present 25 years (1991-2016)
Present Position: Faculty staff member, Department of Plant Production & Protection in the Faculty of Agriculture & Veterinary Medicine
Institution: An-Najah National University, Nablus, West Bank, Palestine

V. Academic Positions and Ranks:

Title or Rank	Date (from - to)	University or Institution	Country
Distinguished Professor of An-Najah University	January 2017 until present	An-Najah National University-Nablus	Palestine
Full Professor	2007 - 2016	An-Najah National University-Nablus	Palestine
Associate Professor	2002-2007	An-Najah National University-Nablus	Palestine
Assistant Professor	1995-2002	An-Najah National University-Nablus	Palestine
Assistant Professor	1991-1995	Hebron University-Al-Khaili	Palestine
Instructor/Post-Doctoral Fellowship	1993-1994	Faculty des Sciences Agronomiques de Gembloux - Gembloux	Belgium

VI. Membership of Cultural, Educational and Professional Societies: Member of the American Phytopathological Society (APS) in USA; Member of the Australian Entomological Society (AES).

VII. HONORS: (Names and dates of professional honors, awards, fellowships and scholarships):

Names	Dates
Post-Doctoral Fellowship for one year: attributed by the Faculty of Agricultural Sciences of Gembloux in Belgium	September 1993-June 1994
DAAD-Scholarship for supporting a 3-month research visit in the Institute for Biological Control in Darmstadt, Germany	June to August 2005
Research grant from United States Academy for Educational Development (US-AED) for supporting a 13-month research project conducted in Faculty of Agriculture, An-Najah University	April 2004-July 2005
DAAD-Scholarship for supporting a 3-month research visit in the Department of Crop Science (Agricultural Entomology), University of Goettingen in Goettingen, Germany	June to August 2010
Award of An-Najah National University for research excellence and publication quality for the academic years 2010, 2011, 2012, 2017, 2018, 2019 & 2020.	April 2010 April 2011 April 2012
Research grant from the "Union of Arab Universities for supporting research in the Palestinian Universities": this grant aimed at supporting a 10-month research project conducted in Faculty of Agriculture, An-Najah University	February 2011-December 2011
Research grant from the "Union of Arab Universities for supporting research in the Palestinian Universities": this grant aimed at supporting a 18-month research project conducted in Faculty of Agriculture, An-Najah University	June 2014-December 2015
Research grant from "An-Najah University fund for supporting scientific Research projects" Second call 2018: For supporting a 15-month research project conducted in Faculty of Agriculture, An-Najah University.	September 2018 - December 2019
Research grant from "An-Najah University fund for supporting scientific Research projects" Third call 2019: For supporting a 15-month research project conducted in Faculty of Agriculture, An-Najah University (ongoing)	September 2019 - December 2020

VIII. RESEARCH EXPERIENCE:

Projects and Grants:

***Research grant from United States Academy for Educational Development (US-AED**) for supporting 15-month research project conducted in Faculty of Agriculture, An-Najah University (April 2004-July 2005), **Project title**: "Biocontrol of postharvest diseases of fruits and vegetables"

***Research grant from the "Union of Arab University for supporting research in the Palestinian Universities"** to support10-month research project conducted in Faculty of Agriculture, An-Najah University (February 2011-December 2011); **Project title**: "Production of biopesticides for control of stored-products grains".

***Research grant from the "Union of Arab University for supporting research in the Palestinian Universities"** to support 18-month research project conducted in Faculty of Agriculture, An-Najah University (June 2014-December 2015); **Project title**: Biocontrol of Stored-Grain Insects Using Novel Formulations of Entomopathogenic Fungi. "

***Research grant from "An-Najah University fund for supporting scientific research projects call 2018"** to support 15-month research project conducted in Faculty of Agriculture, An-Najah University (September 2018- December 2019); **Project title** "Integrated Control of *Pauropsylla buxtoni* comb. nov. (Hemiptera: Psylloidea) Infesting Fig Trees in Palestine".

***Research grant from "An-Najah University fund for supporting scientific research projects call 2019"** to support 15-month research project conducted in Faculty of Agriculture, An-Najah University (September 2019- December 2020); **Project title** "Integrated Control of *Dasineura oleae* Angelini (Diptera: Cecidomyiidae): A serious Insect Pest on Olive Trees in the West Bank, Palestine" (ongoing).

Previous Sabbatical Leaves and Visits to international Scientific Institutions:

* **Sabbatical leave** during the academic year 2008/2009 (August 2008 to May 2009) for conducting scientific research in the School of Agriculture, Faculty of Sciences, University of Adelaide, Adelaide, South Australia State (SA), Australia.

*** Visiting Scientist** during the period (May 2009 to July 2009) for conducting scientific research in the Faculty of Agriculture, University of Sydney, Sydney, New South Wales (NSW), Australia.

* **Scientific Visit** during the period (January 2015 to May 2015) for training in Molecular biology techniques of Entomology and Plant Pathology in the Faculty of Agriculture, McGill University, Montreal, Quebec, Canada.

IX. REFERENCES (Names, Position, Institution, and Country):

*Dr. Nickolas G. Kavallieratos, Department of crop science, Agricultural University of Athens, Greece, E-MAIL: nick_kaval@hotmail.com; Phone: 302105294569

*Prof. Daniel Burckhardt, Department of Insect Science (Psylloidea), Museum of Natural History-Basel; Switzerland; E-MAIL: daniel.burckhardt@unibas.ch; Phone: 0041 61 266 55 38

*Prof. Otto Schmidt, Department of Insect molecular ecology, University of Adelaide, School of Agriculture, Food and Wine, Australia, E-MAIL: otto.schmidt@adelaide.edu.au

*Prof. Abdullah Al-Musa, Department of Plant Protection, Faculty of Agriculture, The University of Jordan, Jordan; E-MAIL: almusaa@ju.edu.jo , Phone: +962 6 5355000 (extension 22526)

*Prof. Ahmad Katbeh-Bader, Department of Plant Protection, Faculty of Agriculture, The University of Jordan, Jordan; E-MAIL: ahmadk@ju.edu.jo , Phone: +962 6 5355000 (extension 22448)

X. COURSES TAUGHT (as a faculty staff member):

Undergraduate Courses: General Entomology, Economic Entomology, Biological Control of Insects, Integrated Control, Principle of Plant Protection, General Plant Pathology, Mycology, Fungal and

Bacterial Diseases of crops, Vegetable Diseases, Fruit Tree Diseases, Bee Keeping, Agricultural Extension, Seminar in Plant Production & Protection.

Graduate Courses: Advances in Pests of crops, Advances in Plant Pathology, Scientific writing of articles, thesis and dissertations.

XI. LIST OF PUBLICATIONS (recently published articles come first, last update June 1st, 2019):

Year 2020

1- **Batta**, Y., Doganlar, M. Olive leaf gall midge (*Dasineura oleae* Angelini, Diptera, Cecidomyiidae): determination of olive tree infestation rates and quantification of parasitism by indigenous parasitoids. *Journal of Plant Diseases and Protection*, (**2020)** 127 (1): 91-101. Springer, Europe, (English Language). (**IF 2019 = 0.946**). https://doi.org/10.1007/s41348-019-00270-4.

2- **Batta, Y.** A study of natural enemies of olive leaf gall midge (Dasineura oleae Angelini, Diptera, Cecidomyiidae) as an emerging pest on olive trees in Palestine. *An-Najah University Journal for Research - A (Natural Sciences)*, (**2020**) 34 (1): 11-30. An-Najah Journals, Deanship of Scientific Research, An-Najah National University, Nablus, Palestine, (English Language).

Year 2019

1-**Batta**, **Y.** New Findings on Infestation and Phenology of *Dasineura oleae* Angelini (Diptera, Cecidomyiidae): An Emerging Pest on Olive Trees in the Palestinian Territories. *Journal of Plant Diseases and Protection*, (**2019)** 126 (1): 55-66. Springer, Europe, (English Language). (**IF 2018 = 0.946**). https://link.springer.com/article/10.1007%2Fs41348-018-0196-y.

2- **Batta**, **Y.** New Findings on biology and life cycle of *Pauropsylla buxtoni* for developing an integrated control program of the insect on fig trees. *Bulletin of Insectology*, (**2019**) 72 (2): 169- 176. Department of Agricultural and Food Sciences, *Alma Mater Studiorum* - Bologna University, viale G. Fanin 42, 40127 Bologna, Italy, (English Language). (**IF 2018/2019= 1.062**).

Year 2018

1-Batta, Y., Burckhardt, D. Taxonomy and Biology of *Pauropsylla buxtoni* comb. nov. (Hemiptera: Psylloidea) on *Ficus carica* (Moraceae). *Journal of Entomological Research Society*, **(2018)** 20 (3): 39-52, Gazi Entomological Research Society, Turkey (English Language). http://www.entomol.org/journal/index.php/JERS/issue/archive/2. (**IF 2017= 0.293**)

2-Batta, **Y.** Biocontrol of Diamondback Moth Larvae Tolerant to Bt-toxin Dipel® by the Entomopathogenic Fungus *Metarhizium anisopliae* (Metschn.) Sorokin (Hypocreales, Ascomycetes). *Agricultural Research and Technology: Open Access Journal*, **(2018)** 18 (2): 8 pages (published on October 2018). https://juniperpublishers.com/artoaj/pdf/ARTOAJ.MS.ID.556054.pdf. Juniper Publishers, USA (English Language) .

3-Batta, Y., Yefremova, Z. Trechnites flavipes Mercet (Hymenoptera: Encyrtidae): a parasitoid on *Pauropsylla buxtoni* comb. nov. (Hemiptera: Psylloidea) on Ficus carica L. (Moraceae). *Phytoparasitica*, **(2018)** 46 (4): 471-480. https://doi.org/10.1007/s12600-018-0677-3. Springer, Europe (English language). **(IF 2017= 1.007).**

4-Batta, Y., Kavallieratos, N. The use of entomopathogenic fungi for the control of stored-grain insects. *International Journal of Pest Management*, **(2018)** 64: 77-87. Taylor & Francis, UK. (English language, Review Article). http://dx.doi.org/10.1080/09670874.2017.1329565. **(IF 2017= 0.64).**

5-Batta, Y. A. Efficacy of two species of entomopathogenic fungi against the stored-grain pest, *Sitophilus granarius* L. (Curculionidae: Coleoptera), via oral ingestion. *Egyptian Journal of Biological Pest Control*, (**2018**) 28: 44 (published on 15 May 2018, 8 pages). Springer open, Europe (English language). https://doi.org/10.1186/s41938-018-0048-x. **(IF 2017= 0.183).**

Year 2016

1-Batta, Y. A. Recent advances in formulation and application of entomopathogenic fungi for biocontrol of stored-grain insects. *Biocontrol Science and Technology*, 26: 1171-1183 **(2016)**. Taylor & Francis, UK. (English language, Review Article). http://dx.doi.org/10.1080/09583157.2016.1201458. **(IF 2017= 0.919).**

2-Batta, Y. Invert emulsion: Method of preparation and application as proper formulation of entomopathogenic fungi. *MethodsX*, 4: 119-127 **(2016)**. Elsevier, UK. (English language). doi:10.1016/j.mex.2016.02.001. **(ISI with CiteScore 2017 of 1.59).**

2015 Year

1-Batta, Y. Production and testing of biopesticides for control of postharvest mold infections on fresh fruits of apple and pear. *Advances in Microbiology*, 5: 787-796 (**2015**). Scientific Research Publishing, USA. (English language). Doi: 10.4236/aim.2015.512083. **(Google-based IF= 1.07).**

Year 2013

1-Batta, **Y.** Efficacy of endophytic and applied *Metarhizium anisopliae* (Metch.) Sorokin (Ascomycota: Hypocreales) against larvae of *Plutella xylostella* L. (Yponomeutidae: Lepidoptera) infesting *Brassica napus* plants. *Crop Protection*, 44: 128-134 (**2013**). Elsevier, UK. (English language). **(IF 2017= 1.834).**

Year 2012

1-Batta, Y. The first report on entomopathogenic effect of *Fusarium avenaceum* (Fries) Saccardo (Hypocreales, Ascomycota) against rice weevil (Sitophilus oryzae L.: Curculionidae, Coleoptera). *Journal of Entomological & Acarological Research*, 44: 51-55 (**2012**). PAGEPress Publications, Pavia, Italy. (English language).

Year 2011

1-Batta, **Y**., Rahman, M., Powis, K., Baker, G., Schmidt, O. Formulation and application of the Batko (Zygomycetes; Entomophthorales). entomopathogenic fungus: *Zoophthora radicans* (Brefeld) *Journal of Applied Microbiology*, 110: 831–839 (**2011**). Wiley Online Library. UK. (English language). **(IF 2017= 2.099).**

Year 2010

1-Batta, Y., Rahman, M., Powis, K., Baker, G., Schmidt, O. Investigations into the development of cross-tolerance in the diamondback moth (*Plutella xylostella* L., Yponomeutidae: Lepidoptera) to the entomopathogenic fungus *Beauveria bassiana* (Bal.) Vuillemin (Deuteromycotina: Hyphomycetes) and the toxin Dipel®of *Bacillus thuringiensis*. *Trends in Entomology*, 6: 15-21 (**2010**). Research Trends, International, India. (English language).

2-Batta, Y., Murdoch, G. and Mansfield, S. Investigations into the formulation and efficacy of entomopathogenic fungi against larvae of yellow mealworm (*Tenebrio molitor* L., Coleoptera: Tenebrionidae). *General and Applied Entomology*, 39: 5-8 (**2010**). Australian Entomological Society, NSW, Australia. (English language).

Year 2009

1-Sharaf, N. S. and **Batta, Y. A.** Effect of some factors on the relationship between the whitefly Bemisia tabaci Genn. (Homopt., Aleyrodidea) and the parasitoid *Eretmocerus mundus* Mercet (Hymenopt., Aphelinidae). *Journal of Applied Entomology*, 99(1-5): 267-276 **(2009).** DOI: 10.1111/j.1439-0418.1985.tb01988.x. Wiley Online Library. UK. (English language). **(IF 2017= 1.629).**

Year 2008

1-Batta, Y. **A.** Control of main stored-grain insects with new formulations of entomopathogenic fungi in diatomaceous earth dusts. *International Journal of Food Engineering*, Vol. 4, Issue 1, Article 9 (16 pages)

(**2008**). Available at: http://www.bepress.com/ijfe/vol4/iss1/art9. Walter de Gruyter GmbH. Melbourne, Australia. (English language). **(IF 2017= 0.685).**

Year 2007

1-Batta, Y. Evaluation of the susceptibility of wheat cultivars to the lesser grain borer infestation (*Rhyzopertha dominica* Fab., Bostrichidae: Coleoptera). *Arab Journal for Plant Protection*, 25 (2): 159-162 (**2007**). The Arab Society for Plant Protection, Alepo, Syria. (Arabic language).

2-Batta, Y. Evaluation of local wheat cultivars' susceptibility to infection with black stem rust (*Puccinia graminis* f. sp. *Tritici*). *Arabian Gulf Journal for Scientific Research*, 25 (3): 95-102 (**2007**). Arabian Gulf University, Bahrain. (English language).

3-Batta, Y. Biocontrol of almond bark beetle (*Scolytus amygdali* Geurin-Meneville, Coleoptera: Scolytidae) using *Beauveria bassiana* (Bals.) Vuill. (Deuteromycotina: Hyphomycetes). *Journal of Applied Microbiology*, 103: 1406-1414 (**2007**). Wiley Online Library. UK. (English language). **(IF 2017= 2.099).**

Year 2006

1-Batta, Y. Control of postharvest diseases of fruit with an invert emulsion formulation of *Trichoderma harzianum* Rifai. *Postharvest Biology and Technology*, 43:143-150 (**2006**). Elsevier, UK. (English language). **(IF 2017= 3.248).**

2-Batta, Y., Zatar, N., Sadeq, N. Detection of Endosulfan residues in the soil of western Jordan Valley. *Jordan Journal of Agricultural Sciences*, 2:57-64 (**2006**). University of Jordan, Amman, Jordan. (English language).

3-Batta, **Y.** Quantitative postharvest contamination and transmission of *Penicillium expansum* (Link) conidia to nectarine and pear fruit by *Drosophila melanogaster* (Meig.) adults. *Postharvest Biology and Technology*, 43:190-196 (**2006**). Elsevier, UK. (English language). **(IF 2017= 3.248).**

4-Kavallieratos, N. G., Athanassiou, C. G., Michalaki, M. P., **Batta, Y. A.,** Rigatos, H. A. and Pashalidou, F. G. Effect of combined use of *Metarhizium anisopliae* (Metchinkoff) Sorokin and diatomaceous earth for the control of three stored-product beetle species. *Crop Protection*, 25:1087-1094(**2006**). Elsevier, UK. (English language). **(IF 2017= 1.834).**

5- Michalaki, M., Athanassiou, C., Kavallieratos, N., **Batta, Y.** and Balotis, G. Effectiveness of *Metarhizium anisopliae* (Metchinkoff) Sorokin applied alone or in combination with diatomaceous earth against *Tribolium confusum* (Du Val) larvae: influence of temperature, relative humidity and type of commodity. *Crop Protection*, 25:418-425 (**2006**). Elsevier, UK. (English language). **(IF 2017= 1.834).**

6-Batta, Y. Postharvest control of soft-rot fungi on grape berries by fungicidal treatment and *Trichoderma*. *Journal of Applied Horticulture*, 8:29-32 (**2006**). The Society for the Advancement of Horticulture. India. (English language).

Year 2005

1-Batta, Y. Control of the lesser grain borer (*Rhyzopertha dominica* F., Coleoptera: Bostrichidae) by treatments with residual formulations of *Metarhizium anisopliae* (Metch.) Sorokin (Deuteromycotina: Hyphomycetes). *Journal of Stored Products Research*, 41:221-229 (**2005).** Elsevier, UK. (English language). **(IF 2017= 1.750).**

2-Batta, **Y.**, Zatar, N., Sama'neh, S. Quantitative determination of chlorpyrifos and penconazole residues in grapes using gas chromatography/mass spectrometry. *Journal of Food Technology*, 3:284-289(**2005**). Medwell Journals International. (English language).

3-Batta, **Y.** and Abu Safieh, D. I. A study of treatment effect with *Metarhizium anisopliae* and four types of dusts on wheat grain infestation with red flour beetles (*Tribolium castaneum* Herbs, Coleoptera: Tenebrionidae). *The Islamic University of Gaza Journal*, 13: 11-22 (**2005**). (English language).

4-Batta, **Y.** Control of Alternaria spot disease on loquat using detached fruits and leaf-disk assay. *An-Najah University Journal Research: Natural Sciences,* 19: 69-81 (**2005**). (English language).

Year 2004

1-Batta, **Y.** *Cladosporium tenuissimum* Cooke (Deuteromycotina: Hyphomycetes) as a causal organism of new disease on cucumber fruits. *European Journal of Plant Pathology,* 110:1003-1009 (**2004**). Springer, Europe (English language). **(IF 2017= 1.478).**

2-Batta, **Y.** Effect of treatment with *Trichoderma harzianum* Rifai formulated in invert emulsion on postharvest decay of apple blue mold. *International Journal of Food Microbiology,* 96:281-288(**2004**). Elsevier, UK. (English language). **(IF 2017= 3.339).**

3-Batta, **Y.** Postharvest biological control of apple gray mold by *Trichoderma harzianum* Rifai formulated in an invert emulsion. *Crop Protection,* 23:19-26 (**2004**). Elsevier, UK. (English language). **(IF 2017= 1.834).**

4-Batta, **Y.** Control of rice weevil (*Sitophilus oryzae* L., Coleoptera: Curculionidae) with various formulations of *Metarhizium anisoplie*. *Crop Protection,* 23:103-108 (**2004**). Elsevier, UK. (English language). **(IF 2017= 1.834).**

5-Batta, **Y.**, Abo-Ahmad, T., Shalabi, M., Arman, N. and Daoud, N. The present status of control and extent of infestation with citrus leafminer and scale insects on citrus trees in Tulkarm area. *An-Najah University Journal Research: Natural Sciences,* 18: 267-280 (**2004**). (Arabic language).

Year 2003

1-Batta, **Y.** Production and testing of novel formulations of the entomopathogenic fungus *Metarhizium anisopliae* (Metch.) Sorokin (Deuteromycotina: Hyphomycetes). *Crop Protection*, 22:415-422 (**2003**). Elsevier, UK. (English language). **(IF 2017= 1.834).**

2-Batta, **Y.** Symptomatology of tobacco whitefly and red spidermite infection with the entomopathogenic fungus *Metarhizium anisopliae* (Metch.) Sorokin. *Dirasat: Agricultural Sciences,* 30:294-303 (**2003**). University of Jordan, Amman, Jordan. (English language).

3-Batta, **Y.** Application and usage of pesticides in Palestine: current and future outlook. *An-Najah University Journal Research: Natural Sciences,* 17: 89-98 (**2003**). (subject review). (English language).

4-Batta, **Y.** Alternaria leaf spot disease on cucumber: susceptibility and control using leaf disk assay. *An-Najah University Journal Research: Natural Sciences,* 17: 269-279 (**2003**). (English language).

Year 2001

1-Batta, **Y.** Effect of fungicides and antagonistic microorganisms on the black fruit spot disease on Persimmon. *Dirasat: Agricultural Sciences*, 28:165-171 (**2001**). University of Jordan, Amman, Jordan. (English language).

2-Sharaf, N. S., Al-Musa, A. M., **Batta, Y. A.** Effect of different plants on population development of the sweetpotato whitefly (*Bemisia tabaci* Genn. Homoptera: Aleyrodidae). *Dirasat,* 11, 89–100 (**1985**). University of Jordan, Amman, Jordan. (English language).

Year 2000

1-Batta, **Y.** Alternaria leaf spot disease on fig trees: varietal susceptibility and effect of some fungicides and *Trichoderma*. *The Islamic University of Gaza Journal,* 8: 83-97 (**2000**). (English language).

2-Batta, **Y.** Symptomatology and ultrastructure of infection with *Colletotrichum acutatum*: causative organism of anthracnose on strawberry. *Bethlehem University Journal,* 19: 10-28 (**2000**). (English language).

3-Batta, Y. Potential biocontrol agents of nutsedges. *An-Najah University Journal Research: Natural Sciences,* 14: 83-103 **(2000)**. (English language).

Books and Book Chapters:

1-Batta, Y. Recent advances in biocontrol of stored-grain insects using entomopathogenic fungi. In: P. Gorawala and S. Mandhatri (eds.), Agricultural Research Updates, Vol. 14, 179-192 **(2017)**. Nova Science Publishers, Inc. USA. (English language).

Papers published in refereed international conference proceedings:

1-Batta, Y., Murdoch, G. and Mansfield, S. Production and testing of novel formulations of entomopathogenic fungi. Proceeding of the 40th Annual Meeting of the Australian Entomological Society, 25-28 September (**2009)**, Darwin, Northern Territory, Australia.

2-Batta, Y. Biocontrol of stored grain insects and postharvest rot diseases of fruits and vegetables in Palestine. Proceeding of the 1st Conference on Biotechnology Research & Application in Palestine, 3-4 April, (**2009),** Furno Hall, Bethlehem University, Bethlehem, The Palestinian National Authority

3-Batta, Y. Using Biopesticides for Crop Protection in Palestine. Proceeding of Food Security Prospects and Challenges Conference, 30 October, (**2014)**, Faculty of Agriculture & Veterinary Medicine, An-Najah National University, Nablus, Palestinian National Authority.