

## Curriculum Vitae – Dr. Paschalidou Foteini (Ms)

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Citizenship	Greek
Address	UMR Agronomie   INRA   AgroParisTech   Universite Paris-Saclay   78850   Thiverval- Grignon   France
Telephone/ mobile	0033648439397
Email	foteini.paschalidou@gmail.com
Researcher ID	<a href="#">research gate profile</a> , <a href="#">Google scholar citations</a>

### EDUCATION

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<b>2/ 2011 – 9/ 2015</b>	<b>Wageningen UR</b> , Laboratory of Entomology, The Netherlands. PhD Thesis: <i>Getting prepared for future attack: induction of plant defences by herbivore egg deposition and consequences for the insect community</i> Defense date: 18 September 2015 Supervisors: Dr. Nina E. Fatouros, Prof. Dr. Marcel Dicke, Prof. Dr. Joop J. van Loon
<b>9/ 2006 - 9/ 2008</b>	<b>Wageningen UR</b> , Master Organic Agriculture, The Netherlands. Specialization: Farm and rural Environment Thesis: <i>Can the parasitic wasp Trichogramma evanescens learn to hitch-hike with mated females of its hosts, the cabbage white butterflies Pieris rapae and Pieris brassicae?</i> Published in <i>PNAS</i> Supervisor: Dr. Martinus E. Huigens
<b>9/ 2000 – 7/ 2004</b>	<b>BSc Organic Farming</b> , Technological Educational Institute of Ionian Islands, School of Agriculture Technology and Food, Greece

### WORKING EXPERIENCE

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<b>02/2019 – present</b>	Junior Researcher at UMR Agronomie, INRA Versailles-Grignon <i>Project:</i> Plant-insect interactions as a part of biocontrol in different agroecosystems. <i>Responsibilities:</i> Design & implement experiments, statistical analysis, writing papers. Teaching and supervising PhD, MSc and BSc students
<b>5/ 2015 – 12/2018</b>	Postdoc at Biocommunication and Entomology, Department of Environmental Systems Science, ETH Zurich, PI: Consuelo De Moraes. <i>Project:</i> Plant mediated cues in multitrophic interactions. <i>Responsibilities:</i> Design & implement experiments, statistical analysis, writing papers. Teaching and supervising PhD, MSc and BSc students

<b>02/ 2011 – 09/ 2015</b>	PhD candidate at Wageningen UR, The Netherlands. <i>Project:</i> Effects of insect herbivore egg deposition on interactions of plants with their insect community: a multitrophic approach <i>Responsibilities:</i> Design & implement experiments, statistical analysis, writing papers. Supervising MSc and BSc students
<b>09/ 2008 – 2/ 2011</b>	Research assistant at Wageningen UR, The Netherlands. <i>Project:</i> Memory consolidation of parasitic wasps and evolutionary importance regarding host location and suitability <i>Responsibilities:</i> Design & implement experiments, statistical analysis
<b>2004-2008</b>	Research assistant at various projects in Greece and the Netherlands

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### SCIENTIFIC ACTIVITIES

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#### Conferences (only first author oral presentations)

1. **Gordon Research Conference**, The role of plant volatiles in communication, Lucca, IT, February 2018
2. **Ecology Across Borders: Joint annual meeting**, Gent, BE, December 2017
3. **Retreat meeting on Priming and Memory of Organisms to stress**, Berlin, DE, July 20 (invited)
4. **15<sup>th</sup> Symposium of Insect-Plant Interactions**, Neuchâtel, CH, August 2014
5. **PhD Entomology retreat**, Neuchâtel, CH, October 2013
6. **NERN Dutch Ecological Society Annual Meeting**, Lunteren, NL, March 2012
7. **14<sup>th</sup> Symposium of Insect-Plant Interactions**, Wageningen, NL, August 2011
8. **Annual Meeting of the Netherlands Entomological Society**, Wageningen, NL, December 2011

#### Reviewer/ Service to the community

- Served as reviewer for: Oikos, Plant Signaling and Behavior, Journal of Chemical Ecology, Ecological Entomology, Oecologia, Annals of Botany, Insect Pest Science, Neotropical Entomology, Plos One
- Member of British Ecological Society, Member of Netherlands Entomological Society

### AWARDS

<b>2014</b>	Poster price, British Ecological Meeting, Lille, FR
<b>2013</b>	Poster price, Annual Meeting of the Netherlands Entomological Society, Wageningen, NL

### PERSONAL GRANDS

<b>2018</b>	Postdoc Mobility Swiss National Foundation, 2 years: <i>Renounced</i>
<b>2013</b>	Travel grand, by Uyttenboogaart-Eliassen Foundation for Gordon's Conference on Plant-Herbivore interactions, California, USA

### SKILLS

<b>Languages</b>	Greek, English, German (basic), Dutch (basic)
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**Technical competences** Insect rearing, insect identification, behavioral analysis (bioassays), Field ecology, DNA extraction, Agarose gel electrophoresis, Q-PCR, Confocal Laser Scanning Microscopy, Plant-Insect interactions, Chemical Ecology, GCMS, EAG, Volatile collection and analysis, Network analysis, MS Office, SPSS, R

**Personal** Innovative, determined, result-oriented, patient, flexible, stress-tolerance, problem solving capacity, communication

### **INTERESTS**

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Socializing, traveling, hiking, sailing, painting, modern dance, running, yoga, cooking

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### **Teaching Experience - Foteini Paschalidou**

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**Lecturer** MSc course Insects in Agroecosystems, ETH Zürich, Switzerland, Spring semester 2017 ,2018 (evaluation: 4.5/5),

**Teaching assistant** MSc course Ecological Aspects of Bio-interactions, Wageningen UR, the Netherlands, Autumn semester 2011-2014

BSc course Research Methods of Plant Science, Wageningen UR, the Netherlands, Spring semester 2011-2014

**Supervised students** B. Berkhout (MSc 2012), A. Benno (MSc 2013), E. Pizzaro (MSc 2014), G. Papadopoulou (MSc 2014), L. Eymann (MSc 2016), T. Paybernes (MSc 2018), M. Zehnder (BSc 2017), A. Asmler (MSc 2018), G. Ulrich (MSc 2018), Harriet Lambert (Phd, co-supervision)

### **Research Output List - Foteini Paschalidou**

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**15 refereed papers**

**Google Scholar: 591 citations, h-index 12 (updated 31.12.18)**

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#### **1. Peer-reviewed articles (original work)-first 5 most important**

##### **Postdoctoral – PhD - Msc**

1. **F. G. Pashalidou**, E. Frago, E. Griese, E. Poelman, J. J. A. van Loon, M. Dicke & N. E. Fatouros (2015). Early herbivore alert matters: plant-mediated effects of egg deposition on higher trophic levels benefit plant fitness. *Ecology Letters*, 18, 927-936

2. **F. G. Pashalidou**, D. Lucas-Barbosa, J. J. A. van Loon, M. Dicke & N. E. Fatouros (2013) Phenotypic plasticity of plant response to herbivore eggs: effects on resistance to caterpillars and plant development. *Ecology*, 94, 702-713
3. **F. G. Pashalidou**, R. Gols, B. W. Berkhout, B. T. Weldegergis, J. J.A. van Loon, M. Dike & N. E. Fatouros (2014). To be in time: egg deposition enhances plant-mediated detection of young caterpillars by parasitoids. *Oecologia*, 177, 477-486
4. M. E. Huigens, **F. G. Pashalidou**, M. Qian, T. Bukovinszky, H. M. Smid, J. J. A. van Loon, M. Dicke & N. E. Fatouros (2009). Hitch-hiking parasitic wasp learns to exploit butterfly antiaphrodisiac. *Proceedings of the National Academy of Science USA*, 106, 820-825
5. **F. G. Pashalidou**, N. E. Fatouros, J. J. A. van Loon, M. Dicke & R. Gols (2015). Plant-mediated effects of butterfly egg deposition on subsequent caterpillar and larval development across different species of wild Brassicaceae. *Ecological Entomology*, 40, 444-45

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6. J. Buckley, **F.G. Pashalidou**, M. Fischer, A. Widmer, M. Mescher, & C. De Moraes (2019). Divergence in glucosinolate profiles between high-and low-elevation populations of *Arabidopsis halleri* correspond to variation in field herbivory and herbivore behavioral preferences. *International journal of molecular sciences*, 20(1), 174
7. **F. G. Pashalidou**, M. E. Huigens, M. Dicke & N. E. Fatouros (2010). The use of oviposition-induced plant cues by Trichogramma egg parasitoids. *Ecological Entomology*, 35, 748-753
8. J. A. Harvey, **F. G. Pashalidou**, R. Soler & T. M. Bezemer (2010). Intrinsic competition between two secondary hyperparasitoids results in temporal trophic switch. *Oikos*, 120, 226-233
9. M. Kruidhof, **F. G Pashalidou**, N. E. Fatouros, I. A. Figueroa, L. E. M. Vet, H. M. Smid & M. E. Huigens (2012). Reward value determines memory consolidation in parasitic wasps. *PLoS ONE* 7 (8), e39615
10. N. E. Fatouros, **F. G. Pashalidou**, W. V. Aponte Cordero, J. J. A. van Loon, R. Mumm, M. Dicke, M. Hilker & M. E. Huigens (2009). Anti-aphrodisiac compounds of male butterflies increase the risk of egg parasitoid attack by inducing plant synomone production. *Journal of Chemical Ecology*, 35, 1373–1381
11. M. E. Huigens, J. B. Woelke, **F. G. Pashalidou**, T. Bukovinszky, H. M. Smid & N. E. Fatouros (2010). Chemical espionage on species-specific butterfly anti-aphrodisiacs by hitchhiking Trichogramma wasps. *Behavioral Ecology*, 21, 470-478

12. N. E. Fatouros, D. Lucas-Barbosa, B. T. Weldegergis, **F.G Pashalidou**, J. J. A. van Loon, M. Dicke, J. A. Harvey, R. Gols & M. E. Huigens (2012). Plant volatiles induced by herbivore egg deposition affect insects of different trophic levels. *PLoS ONE* 7 (8), e43607

## 2. Other relevant publications

12. **F. G. Pashalidou** (2015) Getting prepared for future attack: induction of plant defences by herbivore egg deposition and consequences for the insect community. PhD Thesis, ISBN 978-94-6257-412-0
13. N. G. Kavallieratos, C. G. Athanassiou, M. P. Michalaki, Y. A. Batta, H. A. Rigatos, **F. G. Pashalidou**, G. N. Balotis, Z. Tomanović & B. J. Vayias (2006). Effect of the combined use of *Metarhizium anisopliae* (Metschinkoff) Sorokin and diatomaceous earth for the control of three stored product beetle species. *Crop protection*, 25, 1087-1094
14. N. G. Kavallieratos, C. G. Athanassiou, **F. G. Pashalidou**, N. S. Andris and Ž. Tomanović (2005). Influence of grain type on the insecticidal efficacy of two diatomaceous earth formulations against *Rhyzopertha dominica* (F.) (Coleoptera: Bostrychidae). *Pest Management Science*, 61, 660-666.

## 3. Unpublished work

### Postdoctoral

1. **F. G. Pashalidou**, L. Eyman, J. Sims, N. E. Fatouros, M. C. Mescher & C. M. De Moraes. Egg-induced plant volatiles prime plant defences and accelerate reproduction on their neighbouring plants (developed project, conducted experiments, statistical analysis, writing)
2. **F. G. Pashalidou**, R. R. Karyiat, T. Petanidou, G. Nakas, M. C. Mescher & C. M. De Moraes. Different herbivore-communities affect variation of plant defences among population of *Solanum elaeagnifolium* (developed project, conducted experiments, statistical analysis, writing)
3. E. Griese, A. Pineda, **F. G. Pashalidou**, E. Pizzaro, M. Hilker, M. Dicke, N. E. Fatouros. Oviposition-induced plant responses have a stronger impact than plant species on the performance of a gregarious and solitary butterfly. (developed project, conducted experiments, writing)
4. **F. G. Pashalidou** & V. Dakos. Priming of plant induced defences and critical transitions: can we identify their tipping points? (developed project, writing)

