

# **CURRICULUM VITAE**

VASILIKI VOUGELEKA

ATHENS

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## SUMMARY

Mrs. Vasiliki Vougeleka is a member of the Laboratory Teaching Staff at the Laboratory of Ecology and Environmental Sciences which belongs to the Department of Crop Production of the Agricultural University of Athens. She was awarded a diploma in Floriculture and Landscape Architecture from the Technological Educational Institute (T.E.I.) of Epirus and a Diploma in Agriculture and a Master's Degree in "Plant Protection and Environment" from the Agricultural University of Athens (A.U.A.). She is a PhD candidate in the Department of Crop Production of the A.U.A.

She has attended six occupational seminars and twenty-one conferences on agricultural issues. She can speak (Greek), English, French and Italian, use pc programs for data analyses, drawing etc. and use various scientific instruments such as GC/MS and LICOR.

She has published two papers in refereed international scientific journals, two full and 13 abstracts in proceedings of international (6) and national (7) conferences due to oral or poster presentations.

She has been involved in two European research projects: Eurolegume: "Enhancing of legumes growing in Europe through sustainable cropping for protein supply for food and feed" and TRUE: "Transition paths to sustainable legume based systems in Europe".

She has taught the lesson "Water in landscape architecture" at the Technological Educational Institute of Epirus as a partner with an hourly pay contract.

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## CONTACT INFORMATION

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Nationality: Greek  
Year of birth: 1975  
Marital status: Married with three children



## EDUCATION

### **2018 – today, PhD candidate**

Agricultural University of Athens, Laboratory of Ecology and Environmental Sciences. Proposed Dissertation Title: “Study of environmental stresses on plants”

### **2017, Master of Science**

Agricultural University of Athens, Department of Crop Science  
Specialization area: “Plant Protection and Environment”

Title of thesis: “Study of the effect of two ozone protectants on the metabolome of bean plants exposed to ozone”

### **2015, Bachelor of Science (5year, academic equivalent to MSc)**

Agricultural University of Athens, Department of Crop Science, Section of Vegetable Production Floriculture and Landscape Architecture  
Diploma thesis: “Screening of ten (10) *Triticum aestivum* L. varieties on ozone sensitivity”.

### **2002, Bachelor of Floriculture and Landscape Architecture**

Technological Educational Institute of Epirus, Department of Floriculture and Landscape Architecture. Diploma thesis: “Water elements in landscape architecture”

## SEMINARS

### **6-7 Oct. 2016**

“Introduction in Geographical Informational Systems ARC GIS I version 10.x”.  
Seminar of Marathon Data Systems.

### **12 Feb. 2011**

“Green Roof Design and Construction Methodology with Integrated Multilayer Laying Systems”  
Seminar of Diadem Green Roof Systems.

### **26 - 30 July 2004**

“Green Public Works”

Seminar of the Department of Natural Resources Management and Agricultural Engineering of Agricultural University of Athens.

**19 - 23 July 2004**

“Urban Wastewater Treatment in Earthy Systems and Artificial Wetlands”

Seminar of the Department of Natural Resources Management and Agricultural Engineering of Agricultural University of Athens.

**12 - 16 July 2004**

“Environmental Impact Studies”

Seminar of the Department of Natural Resources Management and Agricultural Engineering of Agricultural University of Athens.

**May- July 2000**

“Environmental Management I, Public Spaces”

Professional Training Program of Community Initiative Urban Municipalities”.  
Duration 200 hours.

## MEMBERSHIPS

Member of The British Ecological Society

Member of the Union of Greek Landscape Architects

## LANGUAGES

**Greek**, native language

**English**, (First Certificate – University of Cambridge)

**French**, (D.E.L.F. 1 – Diplome D’Études En Langue Française, 1er degré,  
units: A1, A2, A3, A4)

**Italian** (level - Intermedio)

## COMPUTER SKILLS

1. Basic Informatics
2. Computer Use and File Management in Microsoft Windows Environment
3. Microsoft Office (Certificate of Attendance from T.E.I. of Epirus)
4. Use of Browsers: Microsoft Internet Explorer, Google Chrome, Mozilla Firefox and Outlook Express
5. Drawing Programs: AutoCAD, 3D Landscape Deluxe

6. Image Editing Programs: Adobe PhotoShop 7, Image J
7. Use of GIS ARC GIS I version 10.x  
(Certificate of Marathon Data Systems)
8. Statistics Programs: Statistica 10, XLStat, PlotIT

## RESEARCH PROGRAMS

### June 2017- today

“Transition paths to sustainable legume based systems in Europe (TRUE)”. A research and innovation program which receives funding from the European Union’s Horizon 2020, under agreement No. 72793.

Participation in Case Study 21: “Novel grafted types - high yield”.

### Jan. 2014 - Dec. 2017

Eurolegume “Enhancing of legumes growing in Europe through sustainable cropping for protein supply for food and feed” is an international research project funded by the 7<sup>th</sup> Research Framework Program of the European Union.

Part of the Results was presented at the following conferences:

1<sup>st</sup> International Conference AgroEcology, Athens, 2016

*(publication E2)*

8<sup>th</sup> Panhellenic Ecology Conference, Thessaloniki, Greece, 2016

*(publication No. F2)*

28<sup>th</sup> Conference of the Greek Society of Fruit and Vegetable Science, Thessaloniki, Greece, 2017

*(publication No. F5)*

## TEACHING EXPERIENCE

**Sept. 2002 – June 2003**, Technological Educational Institute of Epirus, Department of Floriculture and Landscape Architecture Adjunct Lecturer.

- First Semester (24.09.2002-14.02.2003): Lesson: “Water Elements in Landscape Architecture” Theory: 2 h/week and Laboratory 3 h/week
- Second Semester (24.02.2003-27.06.2003): Lesson: “Water Elements in Landscape Architecture” Theory: 2 h/week and Laboratory 3 h/week

## CONFERENCES, PARTICIPATION

### International Conferences

1. ICP Vegetation. 29<sup>th</sup> Task Force Meeting. 29 February - 4 March 2016, Dubna, Russian Federation.

*(Poster presentation of one study No. E1)*

2. AgroEcology 2016, Ecology-Agroecology, Environmental Health Monitoring and Protection. 1<sup>st</sup> International Conference, 3-4 October 2016, Athens, Greece.  
(*Oral presentation of one study No.E2*)
3. International Conference on Ozone and Plant Ecosystems (2<sup>nd</sup> Ozone and Plants Conference), 21-25 May 2018, Florence, Italy.  
(*Poster presentation of two studies No. E3 and E4*)
4. International Society for Horticultural Science (ISHS). XXX International Horticultural Congress. Tropical and Subtropical Vegetable Production: Tackling Present and Future Global Biotic and Abiotic Stressors, 12-16 August 2018, Istanbul, Turkey.  
(*Oral presentation of one study No. E5*)

### **National Conferences**

1. 18<sup>th</sup> Hellenic Phytopathological Congress. 18-21 October 2016, Heraklion, Greece.  
(*Poster presentation of one study No. F1*)
2. 8<sup>th</sup> Congress of the Hellenic Ecological Society. 150 Years of Ecology. Structures, Dynamics and Survival Strategies. 20-23 October 2016, Aristotle University of Thessaloniki, Greece.  
(*Oral presentation of two studies No. F2 and F3*)
3. 28<sup>th</sup> Conference of the Hellenic Society of Fruit and Vegetable Science. 16-20 October 2017, Thessaloniki, Greece.  
(*Poster presentation of two studies No. F4 and F5*)

## **PUBLICATIONS**

### **A. Diploma Thesis, T.E.I. of Epirus**

#### **1. A1. Title: "Water elements in landscape architecture"**

Supervisor: G. Gizas, Professor of the Technological Educational Institute of Epirus, Department of Floriculture and Landscape Architecture.

### **B. Diploma Thesis, Agricultural University of Athens**

#### **1. B1. Title: "Screening of ten (10) *Triticum aestivum* L. varieties on ozone sensitivity"**

Supervisor: C. Saitanis, Associate Professor Agricultural University of Athens, Department of Crop Science.

### **C. Master of Science Thesis**

#### **2. C1. Title: "Study of the effect of two ozone protectants on the metabolome of bean plants exposed to ozone"**

Supervisor: C. Saitanis, Associate Professor Agricultural University of Athens, Department of Crop Science.

<http://hdl.handle.net/10329/6625>

### **D. Publication in international refereed journals with impact factor**

3. **D1.** Agathokleous, E., Saitanis, C., Burkey, K., Ntatsi, G., **Vougeleka, V.**, Mashaheet A. M., Pallides, A. (2017). Application and further characterization of the snap bean S156/R123 ozone biomonitoring system in relation to ambient air temperature. *Science of The Total Environment* **580**:1046-1055  
<https://doi.org/10.1016/j.scitotenv.2016.12.059>  
 (Impact Factor 4.900)
4. **D2.** Ntatsi G., Karavidas I., **Vougeleka V.**, Tampakaki A., Saitanis C., Savvas D. 2020. Legume biofertilizers for hydroponic crops in greenhouses grown under nitrogen or water stress conditions. *Acta Horticulturae* (In press)

#### **E. Publications in Proceedings of International Congresses**

5. **E1.** Saitanis C.J., Agathokleous E., Pallides A., Papadimitriou D., Karpouzis E., Bilalis D., **Vougeleka V.**, Mouzaki-Paxinou A.C. A study of the response of 14 Cyprian wheat cultivars to ozone. ICP Vegetation. 29<sup>th</sup> Task Force Meeting. 29 February - 4 March 2016, Dubna, Russian Federation.
6. **E2.** **Vougeleka V.**, Ntatsi G., Pappa V.A., Bebeli P. J., Saitanis C., Arapis G., Savvas D. Impact of organic practices on greenhouse gas emissions by three local faba bean landraces. AgroEcology 2016, Ecology-Agroecology, Environmental Health Monitoring and Protection. 1<sup>st</sup> International Conference, 3-4 October 2016, Athens, Greece.
7. **E3.** **Vougeleka V.**, Ntatsi G., Mylona F., Saitanis C., Tampakaki A., Savvas D., 2018. Comparing the inoculation success of two bacteria strains, under different N supply levels, in the Greek bean landrace Zargana Chryssoupolis. TRUE: Transition paths to sustainable legume based systems in Europe. Mediterranean Legume Innovation and Networking (LIN) - Workshop of the Mediterranean Region, 20 April 2018, Athens, Greece.
8. **E4.** **Vougeleka V.**, Ntatsi G., Saitanis C. J., Aliferis K. A., Kalampokis J. F., Agathokleous E., Savvas D. Effect of ozone and/or EDU on Pinto bean plants' metabolism. International Conference on Ozone and Plant Ecosystems (2<sup>nd</sup> Ozone and Plants Conference), 21-25 May 2018, Florence, Italy.
9. **E5.** **Vougeleka V.**, Ntatsi G., Aliferis K. A., Saitanis C. J., Kalampokis J. F., Agathokleous E., Savvas D. Penconazole: A potential ozone protectant of plants? A Metabolomics' approach. International Conference on Ozone and Plant Ecosystems (2<sup>nd</sup> Ozone and Plants Conference), 21-25 May 2018, Florence, Italy.
10. **E6.** Ntatsi G., **Vougeleka V.**, Giannikos G., Tsopelopoulos, K., Aliferis K.A., Tampakaki A., Saitanis C. J., Savvas D. Biological nitrogen fixation of vegetable legumes under reduced nitrogen or water supply. Proceedings of International Society for Horticultural Science (ISHS). XXX International Horticultural Congress. Tropical and Subtropical Vegetable Production: Tackling Present and Future Global Biotic and Abiotic Stressors. 12-16 August 2018, Istanbul, Turkey.
11. **E7.** **Vougeleka V.**, Ntatsi G., Ellinas G, Zacharis A., Mylona F., Iannetta P.P.M., Saitanis C., Savvas D. Effect of grafting on biomass, biological nitrogen fixation and yield of Greek landraces of *Phaseolus vulgaris*. International Symposium on Horticulture in Europe (SHE), 2-6-June 2020, Stuttgart Germany.

#### **F. Publications in Proceedings of National Congresses**

12. **F1.** **Vougeleka V.**, Ntatsi G., Agathokleous E., Savvas D., Aliferis K.A., Saitanis C. Study of the effect of two ozone protectants on the metabolome of bean



plants (*Phaseolus vulgaris* cv Pinto), exposed to ozone. 18<sup>th</sup> Hellenic Phytopathological Congress. 18-21 October 2016, Heraklion, Greece.

13. **F2. Vougeleka V.**, Ntatsi G., Pappa V.A., Bebeli P.J., Arapis G., Saitanis C., Savvas D. Effects of organic and conventional farming practices on greenhouse gas emissions in different pea landraces grown under Greek conditions. 8<sup>o</sup> Congress of the Hellenic Ecological Society. 150 Years of Ecology. Structures, Dynamics and Survival Strategies. 20-23 October 2016, Aristotle University of Thessaloniki, Greece.
14. **F3.** Pallidis A., **Vougeleka V.**, Burkey K. O., Saitanis C., Agathokleous E., Papadimitriou D. The first study of tropospheric ozone effects on plants in Cyprus. 8<sup>th</sup> Congress of the Hellenic Ecological Society. 150 Years of Ecology. Structures, Dynamics and Survival Strategies. 20-23 October 2016, Aristotle University of Thessaloniki, Greece.
15. **F4. Vougeleka V.**, Ntatsi G., Agathokleous E., Savvas D., Aliferis K. Saitanis C. Impact of ozone fumigation on the metabolome of *Phaseolus vulgaris* L., cv. Pinto. Proceedings of the 28<sup>th</sup> Congress of the Hellenic Society of Fruit and Vegetable Science, 16-20 October 2017, Thessaloniki, Greece.
16. **F5.** Yfantopoulos D., Ntatsi G., **Vougeleka V.**, Arapis G., Karkanis A., Savvas D. Effect of the farming system (organic or conventional) and the rotation scheme of leguminous vegetables, on greenhouse gas emissions (CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O) in cabbage cultivation. Proceedings of the 28<sup>th</sup> Congress of the Hellenic Society of Fruit and Vegetable Science, 16-20 October 2017, Thessaloniki, Greece.

### **ATTENDANCE OF CONGRESSES-CONFERENCES-SYMPOSIA-WORKSHOPS** (available Certificates of Attendance)

**28<sup>th</sup> of Apr. 2017**, “Health and Safety in Agricultural Sciences”, Conference, co-organized by the Hellenic Institute for Occupational Health and Safety and the Agricultural University of Athens.

**23<sup>rd</sup> of March and 25<sup>th</sup> of Apr. 2017**, “Integration of Renewable Energy Technologies in the Community of the Agricultural University of Athens” Two (2) workshops, co-organized by the Centre of Renewable Energy Sources and EEA grants.

**10<sup>th</sup> of March. 2017**, “4<sup>th</sup> Scientific Meeting on Landraces”, Conference, co-organized by the Agricultural University of Athens, the Ministry of Rural Development and Food, the European Agricultural Fund for Rural Development, the Greek Rural Development Program and the Management Service of the Rural Development Program of the P.A.A. 2014-2020, N.S.R.F. 2014-2020.

**19<sup>th</sup> of Oct. 2016**, “Health and Safety in Research Laboratories”, Conference, co-organized by the Hellenic Institute of Hygiene and Safety and the Institute Pasteur of Greece.

**3<sup>rd</sup> of June 2016**, “Adapt2Change: Technologies for Greenhouse products in Reduced Inputs” Lecture, Laboratory of Vegetable Production, held at the Agricultural University of Athens.

**31<sup>st</sup> of May 2016**, 2<sup>nd</sup> Panhellenic Meeting of the Phytopathology “Recent Themes on Phytopathology”, Agricultural University of Athens.

**22<sup>nd</sup> of Sept. 2014**, “Management of the Environment Indoors”. Conference, co-organized by the National School of Public Health and the Department of Agriculture, Plant Production and Rural Development of the University of Thessaly.

**3<sup>rd</sup> of June 2014**, “Could Blue Growth turn into Green?”, Congress organized by the European Environmental Bureau at the Agricultural University of Athens.

**4<sup>th</sup> of Oct. 2013**, “Growing Grass When Water is Scarce”, Seminar organized by the Research Team of New Mexico State University, U.S.A. at the Agricultural University of Athens.

**14<sup>th</sup> of March 2007**, “Mechanical-Biological Processing and Management of Bioproducts”. Workshop organized by the Hellenic Company of Solid Waste Management.

**15<sup>th</sup> of Sept. 2006**, “Establishing Landscape Architecture in Greece and in the Wider Mediterranean World: The European Experience”. Symposium, supported by: the International Federation of Landscape Architects, the Panhellenic Association of Landscape Architects and the European Foundation for Landscape Architects.

**3 Nov. 2005**, “Earth and Water: Agricultural Policy and Water Resources Management in Greece”. Workshop, co-organized by the World Wildlife Fund (W.W.F.) and the Agricultural University of Athens.

**11 - 14 May 2005**, “Landscape Architecture. Education, Research and Applied Science”. Conference, co-organized by the Post Graduate Program of the Aristotle University of Thessaloniki.

**15 - 16 April 2005**, “Art and Landscape, Garden and Urban Green Spaces”. Two-day workshop, organized by the Technological Educational Institute of Epirus.

**22 Oct. 2004**, “Education, Research and Technology in Hydrogeology and the Environmental Management of Water Resources in Greece”. Workshop, organized by the National Technical University of Athens.