

CV date 05.07.2017

**Part A. PERSONAL INFORMATION**

First and Family name	Paolo Zuccarini		
Social Security, Passport, ID number	Y1808579B (NIE) - YA1795766 (passport)	Age	40
Researcher numbers	Researcher ID	L-3083-2013	
	Orcid code	0000-0001-6717-9568	

**A.1. Current position**

Name of University/Institution	Universitat Autònoma de Barcelona		
Department	CREAF - Ecological and Forestry Applications Research Centre		
Address and Country	Carrer de les Cases Sert, 54, 08193 Cerdanyola del Vallès, Barcelona, Spain		
Phone number	+34 615967255	E-mail	<a href="mailto:p.zuccarini@creaf.uab.cat">p.zuccarini@creaf.uab.cat</a>
Current position	Technician	From	14.02.2017
Palabras clave	Forest Ecology; Phenology; Nutrient cycles, Climate Change		

**A.2. Education**

Title	University	Year
BSc Natural Sciences	University of Pisa (Italy)	2010
PhD Horticulture	University of Tuscia (Italy) jointly with University of Pisa (Italy)	2006
MSc Agronomy	University of Pisa (Italy)	2002

**A.3. JCR articles, h Index, thesis supervised...**

(Source: Google Scholar)

Author of 17 papers in peer-reviewed Journals: 14 of them as first Author; 7 of them as only Author.

**Part B. CV SUMMARY (max. 3500 characters, including spaces)**

**Resume:** My profile is that of an agronomist/environmentalist specialized in plant ecophysiological responses to abiotic stresses, from the tissue to the population scale. My research interests deal with plant ecophysiology, being the central focus of my research the study of plant responses to abiotic stresses - especially water stress - in the frame of Climate Change, and nutrient cycling in agricultural and forest ecosystems.

**Keywords:** Agronomy - Plant Biology - Plant Ecophysiology - Plant Ecology - Horticulture - Statistical data elaboration - Data mining - Scientific Writing - Project writing and project revising

**Career history:** I took my MSc degree in Agricultural Sciences in 2002 and my PhD in Horticulture in 2006 at the University of Pisa (Italy).

During my PhD I had a stay at the University of East Anglia (9 months); after that I had a postdoctoral collaboration with the University of Pisa (18 months), a stay at the University of Valencia (6 months) and one at the Slovak Academy of Sciences (3 months).

In 2008 I founded a company for private consultancy, “Pharmaconsulting di Paolo Zuccarini”, and provided services to Italian herbal and pharmaceutical companies. The services included data-mining, statistical elaboration, scientific writing, regulatory affairs, connecting SMEs with EMA (European Medicines Agency).

In 2010 I took a BSc in Natural Sciences in my hometown University, Pisa.

In 2011 I re-started my research career as co-researcher at the Autonomous University and at IRTA of Barcelona, and as a OECD fellow at Plant and Food Research Centre, New Zealand. Each one of my past research experiences produced at least one paper in impact journals.

At present I am technician at CREAM.

## Part C. RELEVANT MERITS

### C.1. Publications (including books)

- 17) Colomer-Ventura F, Martínez-Vilalta J, **Zuccarini P**, Escolá A, Armengot L, Castells E, 2015. Contemporary evolution of an invasive plant is associated with climate but not with herbivory. **Functional Ecology** – Published online: 06 June 2015. **Q.I.: IF = 4.860**; EF = 0.023668 (92); AI = 1.9377 (94); SJR = 2.63; h-index = 93; ECOLOGY, EVOLUTION, BEHAVIOR AND SYSTEMATICS 1°
- 16) **Zuccarini P**, Savé R, 2015. Three species of arbuscular mycorrhizal fungi confer different levels of resistance to water stress in *Spinacia oleracea* L. **Plant Biosystems** - Published online: 09 Jan 2015. **Q.I.: IF = 1.912**; EF = 0.001789 (47); AI = 0.2803 (31); SJR = 0.58; h-index = 25; PLANT SCIENCES 2°; GSC = 1
- 15) **Zuccarini P**, Aguilera A, Bedini G, 2015. Dune restoration and temporal dynamics of vegetation in the Devesa de Albufera (Valencia, Spain). **Plant Biosystems** - Published online: 28 Jan 2015. **Q.I.: IF = 1.912**; EF = 0.001789 (47); AI = 0.2803 (31); SJR = 0.58; h-index = 25; PLANT SCIENCES 2°
- 14) **Zuccarini P**, Farieri E, Vásquez R, Grau B, Savé R, 2014. Effects of soil water temperature on root hydraulic resistance of six species of Iberian pines. **Plant Biosystems** - Published online: 09 Dec 2014. **Q.I.: IF = 1.912**; EF = 0.001789 (47); AI = 0.2803 (31); SJR = 0.58; h-index = 25; PLANT SCIENCES 2°; GSC = 1
- 13) Hegedúšová K, Ružičková H, Senko D, **Zuccarini P**, 2012. Plant communities of the montane mesophilous grasslands (Polygono bistortae-Trisetion flavescens alliance) in Central Europe – Formalized classification and syntaxonomical revision. **Plant Biosystems** 146: 58-73. **Q.I.: IF = 1.912**; EF = 0.001789 (47); AI = 0.2803 (31); SJR = 0.58; h-index = 25; PLANT SCIENCES 2°; GSC = 6
- 12) **Zuccarini P**, Ciurli A, Alpi A, Hegedúšová K, 2011. Hydraulic and chemical mechanisms in the response of *Pinus pinaster* Ait. to conditions of water stress. **Ecology (Bratislava)** 30: 422-437. **Q.I.:** SJR = 0.28; h-index = 13; ECOLOGY 3°; GSC = 1
- 11) **Zuccarini P**, Ciurli A, Alpi A, 2011. Implications for shallow lake manipulation: results of aquaria and enclosure experiments manipulating macrophytes, zooplankton and fish. **Applied Ecology and Environmental Research** 9: 123-140. **Q.I.: IF = 0.590**; EF = 0.000307 (13); AI = 0.1623 (18); SJR = 0.3; h-index = 14; ECOLOGY 2°
- 10) **Zuccarini P**, Kampus S, 2011. Two free-floating macrophytes as bioindicators for medium-high copper concentrations in freshwaters. **Plant Biosystems** 145: 503-506. **Q.I.: IF = 1.912**; EF = 0.001789 (47); AI = 0.2803 (31); SJR = 0.58; h-index = 25; PLANT SCIENCES 2°; GSC = 8
- 9) **Zuccarini P**, 2010. Biological and technological strategies against soil and water salinization II – Plant. **Journal of Plant Nutrition** 33: 1489-1505. **Q.I.: IF = 1.001**; EF = 0.002768 (58); AI = 0.194 (22); SJR = 0.43; h-index = 46; AGRONOMY AND CROP SCIENCE 2°
- 8) **Zuccarini P**, 2010. Biological and technological strategies against soil and water salinization I – Rhizosphere. **Journal of Plant Nutrition** 33: 1287-1300. **Q.I.: IF = 1.001**; EF = 0.002768 (58); AI = 0.194 (22); SJR = 0.43; h-index = 46; AGRONOMY AND CROP SCIENCE 2°; GSC = 0
- 7) **Zuccarini P**, Soldani G, 2009. Camphor: benefits and risks of a widely used natural product. **Acta Biologica Szegediensis** 53: 77-82. **Q.I.:** SJR = 0.23; h-index = 16; AGRICULTURAL AND BIOLOGICAL SCIENCES 3°; GSC = 3
- 6) **Zuccarini P**, 2009. Tropospheric ozone as a fungal elicitor. **Journal of Biosciences** 34: 125-138. **Q.I.: IF = 1.939**; EF = 0.005214 (71); AI = 0.7216 (67); SJR = 0.78; h-index = 47; AGRICULTURAL AND BIOLOGICAL SCIENCES 1°; GSC = 4
- 5) **Zuccarini P**, 2008. Ion uptake by halophytic plants to mitigate saline stress in *Solanum lycopersicon* L., and different effect of soil and water salinity. **Soil and Water Research** 3: 62-73. **Q.I.: IF = 0.615**; SJR = 0.34; h-index = 6; SOIL SCIENCE 3°; GSC = 2

- 4) Ciurli A, **Zuccarini P**, Alpi A, 2008. Growth and nutrient absorption of two submerged aquatic macrophytes in mesocosms, for reinsertion in a eutrophicated shallow lake. *Wetlands Ecology and Management* 17: 107-115. **Q.I.: IF = 1.218**; EF = 0.001605 (44); AI = 0.8754 (75); SJR = 0.69; h-index = 38; ECOLOGY, EVOLUTION, BEHAVIOR AND SYSTEMATICS 2°; GSC = 27
- 3) **Zuccarini P**, 2008. Effects of silicon on photosynthesis, water relations and nutrient uptake of *Phaseolus vulgaris* L. under NaCl stress. *Biologia Plantarum* 52: 157-160. **Q.I.: IF = 1.740**; EF = 0.003553 (63); AI = 0.2768 (30); SJR = 0.65; h-index = 48; PLANT SCIENCES 1°; GSC = 39
- 2) **Zuccarini P**, Okurowska P, 2008. Effects of mycorrhizal colonization and fertilization on growth and photosynthesis of sweet basil under salt stress. *Journal of Plant Nutrition* 31: 497-513. **Q.I.: IF = 1.001**; EF = 0.002768 (58); AI = 0.194 (22); SJR = 0.43; h-index = 46; AGRONOMY AND CROP SCIENCE 2°; GSC = 62
- 1) **Zuccarini P**, 2007. Mycorrhizal infection ameliorates chlorophyll content and nutrient uptake of lettuce exposed to saline irrigation. *Plant, Soil and Environment* 53: 281-287. **Q.I.: IF = 1.207**; EF = 0.001318 (40); AI = 0.1906 (22); SJR = 0.52; h-index = 24; SOIL SCIENCE 2°; GSC = 48

**Books and book chapters:**

- 1) **Zuccarini P**, 2004. Halophytes to reduce crops saline stress. In: Agriculture Durable et Ressources Hydrriques: Comparaison Européenne. Pp.150-162. Editura Orizonturi Universitare, Timisoara. ISBN: 973-638-135-8

**Articles in non-peer reviewed journals:**

- 1) Hegedúšová K, Svitková I, Senko D, **Zuccarini P**, 2013. Zaujímavější fytoecologické zápisy [in Slovak]. *Bulletin Slovenskej Botanickéj Spoločnosti* 35 (1): 86–91. ISBN/ISSN: 1337-7043. Slovak Academy of Sciences

**C.2. Participated research projects and grants**

- 2017** – “What makes leaves fall in autumn? A new process description for the timing of leaf senescence in temperate and boreal trees”. CREAM - Ecological and Forestry Applications Research Centre. (Ref.: ERC Starting Grant 714916)
- 2017** – “Imbalance-P: Effects of phosphorus limitations on Life, Earth system and Society”. CREAM - Ecological and Forestry Applications Research Centre. (Ref.: Synergy Grant 610028)
- 2014-2015** – “A dual measurement-modelling approach for water-use optimization in apple orchards in New Zealand” - Plant and Food Research Institute, Palmerston North, New Zealand (Ref.: OECD Co-operative Research Programme: Biological Resource Management for Sustainable Agricultural Systems)
- 2013** - “Ecophysiological relationships in agroforestry interfaces. What is their role in the water and carbon regulations?” - IRTA - Instituto de Investigación y Tecnología Agroalimentaria, Barcelona, Spain (Ref.: AGL 2010-21012)
- 2012** – “Tolerance and ecophysiological strategies of Iberian pines at juvenile stages to drought, low temperature and nutrient availability” - IRTA - Instituto de Investigación y Tecnología Agroalimentaria, Barcelona, Spain (Ref.: AGL 2011-24296)
- 2011** - “Post-invasive evolution of the exotic plant species *Senecio pterophorus*” - Universitat Autònoma de Barcelona (Ref.: CGL 2011-29205)
- 2009** – “Island phenomenon of the Carpathians' high mountain” - Slovak Academy of Science, Bratislava, Slovakia (Ref.: VEGA Grant Agency, grant n. 2/0121/09-11)
- 2008** – “Recovery of habitats of *Juniperus macrocarpa* in the Natural Park of Albufera, Valencia” - Universitat de València, Valencia, Spain (Ref.: LIFE04 NAT/ES/000044)
- 2006-2007** – “Reintroduction of aquatic macrophytes into the Massaciuccoli Lake by means of biomanipulation with mesocosms” - University of Pisa, Department of Crop Biology, Section of Plant Physiology, Pisa, Italy (Ref.: LIFE05 NAT/IT/000037)
- 2003-2006** - “Strategies for salt stress reduction in horticultural crops” - University of Pisa (Pisa) in consociation with University of Tuscia (Viterbo), Italy (Ref.: PhD grant)
- 2002** - “Hydric relations and water use efficiency of ornamental plants in container” - University of Pisa, Pisa, Italy (Ref.: funded by the Italian Ministry for Agriculture and Forestry)

### C.3. Contracts

- CREAM - Ecological and Forestry Applications Research Centre. Technician. Start: 14/02/2017
- IRTA - Instituto de Investigación y Tecnología Agroalimentaria. Technician. Start: 15/09/2016
- Plant and Food Research Institute, Palmerston North, New Zealand. Visiting scientist - OECD fellow. Start: 26/08/2014
- IRTA - Instituto de Investigación y Tecnología Agroalimentaria. Co-researcher. Start: 01/01/2012
- Autonomous University of Barcelona. Co-researcher. Start: 01/09/2011
- Slovak Academy of Science, Bratislava, Slovakia. Visiting postdoctoral fellow. Start: 01/08/2009
- Universitat de València. Intern. Start: 15/06/2008
- "Pharmaconsulting di Paolo Zuccarini". Autonomous private consultant. Start: 02/01/2008
- University of Pisa, Department of Crop Biology, Section of Plant Physiology, Pisa, Italy. External consultant. Start: 01/07/2006
- University of Pisa, Department of Crop Biology, Section of Horticulture, Pisa, Italy. PhD candidate. Start: 01/01/2003
- University of Pisa, Department of Crop Biology, Section of Horticulture, Pisa, Italy. Predoctoral research contract. Start: 01/09/2002

### C.5, C.6, C.7... (e.g.: Institutional responsibilities, memberships of scientific societies...)

- Member of the Panel of Experts of EQA - European Quality Assurance for the assessment of R+D projects (Cód. Unesco: 339900) (From 2016)
- Member of the Panel of Experts of the Spanish Agency for Certification and Innovation (ACIE) (from 2015)
- WHO IS WHO IN THE WORLD 2010 – present
- OECD fellowship grant holder (2014)
- Plant Fellows grant (not benefited) (2013)
- Graduated cum laude (BSc degree, Natural Sciences), University of Pisa (2010)
- Erasmus Placement traineeship grant holder – Slovak Academy of Science (2009)
- Visiting Scholar, School of Biology, University of East Anglia, Norwich, UK (2006)
- Graduated cum laude, PhD program, University of Pisa and University of Tuscia (2006)
- Graduated cum laude (MSc degree, Agricultural Sciences), University of Pisa (2002)