

Curriculum vitae Andrea Onofri

Affiliation

Department of Agricultural, Food and Environmental Sciences
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Education

1. PhD: 1994. “Crop Productivity”, University of Perugia (Italy).
2. MS: 1987. “Agricultural Science, University of Perugia (Italy).

Work positions

1. 2015 to date: Associate Professor at the Department of Agricultural, Food and Environmental Sciences, University of Perugia.
2. 1997 - 2015: Senior Scientist and Aggregated Professor at the Department of Agricultural, Food and Environmental Sciences (formerly: Department of Agroenvironmental and Crop Sciences), University of Perugia.
3. 1990 - 1997: PhD student and/or research assistant at the Institute of General Agronomy and Crop Science

Main research interests

I was ‘born’ as weed scientist, with interests in weed-crop relationships, weed control methods, dose-response curves and ecotoxicological evaluation of herbicides. More recently, I focused on the application of biostatistics and experimental methods in weed science, with specific interests in experimental design, statistical model fitting, resampling methods, survival analyses and its applications to seed germination studies. I am also interested on

multivariate methods of data analysis, with particular reference to multienvironment experiments. At present, I am mainly working as methodological advisor and statistical consultant for experiments relating to plant science, entomology, plant pathology and microbiology.

Main research projects

At the moment, I am mainly involved with the National Project “Long-term field crop rotation experiments: analysis of effects and modelling”, that is financed by the Italian Ministry of Agriculture. I am also involved with the project “Effect of salinity on the production of phytochemicals and on seed germination for several crop species”.

Teaching activities

Starting from the Academic Year 2001-2002, I have taught several courses (6 ECTF) in BS, MS and PhD programmes, on the following subjects: “Agronomy and Crop Sciences”, “Forage system management”, “Experimental Methodology in Agriculture” and “Statistics”. I have also served as the tutor of several MS and PhD students.

Meeting organisation

I have served as member of the organising committees for:

1. V EWRS Symposium on weed problems in the Mediterranean Area, Perugia, 6-8 June 1994;
2. XXX Meeting of the Italian Society of Agronomy, Perugia, June 1996;
3. XXX Convegno I.S.H.S., Perugia, June 2004.

Editorial activities

In the last years, I have served as a referee for several International Journals and publishing companies, such as Weed Research, Journal of Environmental Quality, Springer-Verlag USA, HortScience, Weed Technology, Weed Science, Crop Protection, New Phytologist, European Journal of Agronomy. Currently, I am member of the Editorial Board of Weed Research as statistical consultant and I am technical editor for Communications in Biometry and Crop Science.

Selected publications

I have authored or coauthored over 100 research papers, including more than 30 in international refereed journals. The following publications may be relevant:

BONCIARELLI, U, A ONOFRI, P BENINCASA, M FARNESELLI, M GUIDUCCI, E PANNACCI, G TOSTI, F TEI (2016) Long-term evaluation of productivity, stability and sustainability for cropping systems in Mediterranean rainfed conditions. *European Journal of Agronomy* **In press** (DOI: 10.1016/j.eja.2016.02.006)

CIANCALEONI, S, A ONOFRI, R TORRICELLI, V NEGRI (2016) Broccoli yield response to environmental factors in sustainable agriculture. *European Journal of Agronomy* **72**, 1–9

CRISTAUDO, A, A RESTUCCIA, A ONOFRI, VL GIUDICE, F GRESTA (2015) Species-area relationships and minimum area in citrus grove weed communities. *Plant Biosystems* **149**, 337–345

ONOFRI, A, EA CARBONELL, H-P PIEPHO, AM MORTIMER, RD COUSENS (2010a) Current statistical issues in Weed Research. *Weed Research* **50**, 5–24

ONOFRI, A, F GRESTA, F TEI (2010b) A new method for the analysis of germination and emergence data of weed species. *Weed Research* **50**, 187–198

ONOFRI, A, M MESGARAN, P NEVE, R COUSENS (2014) Experimental design and parameter estimation for threshold models in seed germination. *Weed Research* **54**, 425–435

ONOFRI, A, MB MESGARAN, F TEI, RD COUSENS (2011) The cure model: An improved way to describe seed germination? *Weed Research* **51**, 516–524

ONOFRI, A, G SEDDAIU, H-P PIEPHO (2016) Long-Term Experiments with cropping systems: Case studies on data analysis. *European Journal of Agronomy* **In Press** (DOI: 10.1016/j.eja.2016.02.005)

STAGNARI, F, A ONOFRI, P CODIANNI, M PISANTE (2013) Durum wheat varieties in N-deficient environments and organic farming: A comparison of yield, quality and stability performances. *Plant Breeding* **132**, 266–275

SZCZEPANEK, M, A ONOFRI (2013) Chewing, Strong and Slender Creeping Red Fescue Response to Sowing Time and Method. *Crop Science* **53**, 2613–2622