

# *Curriculum Vitae* of Andrea Onofri

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## PERSONAL DATA

- Full name: Andrea Onofri, PhD
- Nationality: Italian
- Date of Birth: 22 March 1962
- Place of birth: Perugia (ITALY)
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## EDUCATION

- 1994: PhD in "Crop Productivity" at the University of Perugia. Thesis: "Empirical regression models for advisory purposes in weed science", supervisor:Prof. Gino Covarelli.
- 1987: Degree in Agricultural Science, University of Perugia (Italy). Final mark 110/110 cum laude. Thesis (translation of the original Italian title): "Soil organic matter evolution after amendment with urban waste", Institute of Agricultural Chemistry, supervisor Prof. P.L. Giusquiani.

## WORK POSITIONS

- 2015 to date: Associate Professor at the Department of Agricultural, Food and Environmental Sciences, University of Perugia.
- 1997 to 2015: Researcher at the Department of Agroenvironmental and Crop Sciences, University of Perugia.
- 1990 -1997: PhD student and/or research assistant at the Institute of General Agronomy and Crop Science, University of Perugia.
- 1988-1989: Technical assistant for CIBA-GEIGY S.p.A., with sales responsibility for two Italian districts (Grosseto and Livorno).

## RESEARCH ACTIVITIES

### Subject

Experimental methodology in agriculture. Weed-Crop Relationships. Weed control methods. Ecotoxicological evaluation of herbicides. Genotype by environment interactions. Agricultural system modelling.

### Research projects

1. 2015 - 2016: Research Project: "Effect of salinity on the production of phytochemicals and on seed germination for several crop species", founded by the University of Perugia.
2. 2013 - 2015: Project PRIN IC-FAR: "Linking Long Term Observatories with Crop Systems Modeling For a better understanding of Climate Change Impact, and Adaptation Strategies for Italian Cropping Systems".
3. 2011 - 2014: Project Cassa di Risparmio "Enriching horticultural crops in selenium: possibilities and effects on yield quality and pollen viability".
4. 2006-2009: Project "Innovations about proteins of vegetal origin: comparison among lucerne genotypes", founded by Regione Emilia Romagna.

5. 2005-2008: Agreement between the Agricultural Faculty and Regione Umbria "Genic flow and its potential effects on seed production. Co-existence between genetically modified crops and conventional crops in conventional and organic farming systems".
6. 2005-2008: Project IMBOL. "Organic farming - milk and ovine cheese: exploratory analysis about the impact of organic farming on milk ovine husbandry".
7. 2001-2004: Finalised Project TISEN. Research title: "Innovative and sustainable techniques to produce and transform non-food crops".
8. 1998-2001: Project P.N.R.A. (Italian Ministry for Agriculture) "Rationalisation of herbicide usage, optimisation of technology for cropping systems, integration of old and new technologies and use of natural products to lower the impact on the environment and human health of agricultural activities".
9. 1998-2001: Project P.N.R.A. (Italian Ministry for Agriculture) "Rationalisation of herbicide usage, optimisation of technology for cropping systems, integration of old and new technologies and use of natural products to lower the impact on the environment and human health of agricultural activities".
10. 1998-2000: Research Project (University of Perugia) on "Chiral compounds in plant protection: biological activity and soil persistence of imazamox".
11. 1996-1999: Research Project UE - TAB-RES-INFO 94/T/12.1 on "Optimal Cultural Practices for Flue-Cured Tobacco Varieties with early Maturity and low Nicotine and TAR Potential".
12. 1995-1998: Research Project (Italian Ministry for University and Scientific Research) on "Biology and ecophysiology of *Xanthium strumarium* and *Lactuca serriola*".
13. 1994-1995: Research contracts to perform some studies on "Biological activity of triflurosulfuron-methyl on soil and plant", "Determination of residual phytotoxicity to following crops by some sulphonylurea herbicides" and "Safe recropping intervals on soils sprayed with sulphonylurea and imidazolinone herbicides".

14. 1994-1995: Research Project (Italian Ministry for University and Scientific Research) on "Joint action of rimsulfuron and metribuzin against *Solanum nigrum* in tomato".
15. 1993-1997: Finalised Project PANDA (Italian Ministry for Agriculture and Fisheries). "Rationalisation of weed control by using surfactants" and "Weed management on set-aside land".
16. 1993-1994: Research Project (Italian Ministry for University and Scientific Research) on "Varietal sensitivity to the most common herbicides in winter wheat".
17. 1993: Training period at the Federal Biological Research Centre, Braunschweig (Germany). During this time the topic of work was "Bioassay with higher plants to study biological activity and availability to plants of some sulphonilurea and imidazolinone herbicides (imazethapyr, primisulfuron and rimsulfuron)".
18. 1992-1993: EWRS-MSA Joint Experimentation Programme on "Modelling interactions between *Sinapis alba* and sugar beet".
19. 1992-1994: Research project (Italian Ministry for Agriculture) on "Use of surfactant to reduce the application rate for some selected herbicides in winter and summer crops".
20. 1991-1993: Research Project RAISA (National Council of Research) on "Influence of agronomic practices on soil persistence and mobility for some selected herbicides".
21. 1991-1994: PhD COURSE Project on "Empirical regression models for advisory purposes in weed science".

## **TEACHING ACTIVITIES**

### **Main teaching activities**

Starting from the Academic Year 2001-2002, Andrea Onofri has taught several courses in First Level and Second Level degree programmes, mainly on the following subjects: "Agronomy and Crop Sciences", "Forage system management", "Experimental Methodology in Agriculture" and "Statistics". He has also served as a tutor of several students during their first and second degree thesis development. In this latter Academic Year (2016 - 2017), Andrea Onofri has taught the following courses:

- "Agronomy and forage systems, module of Agronomy", first level degree in "Animal Production", Faculty of Veterinary Medicine, University of Perugia (6 ECTS)
- "Agronomy and forage systems, module of Forage Systems", first level degree in "Animal Production", Faculty of Veterinary Medicine, University of Perugia (6 ECTS)
- "Experimental design and modelling in agriculture", second level degree in "Sustainable Agriculture", Faculty of Agriculture, University of Perugia (6 ECTS)

## Other relevant teaching activities

1. "Fondamenti di metodologia per la sperimentazione biologica" and "Metodologie statistiche avanzate per la sperimentazione biologica", Cycles of lectures for PhD students (June - October, 2016).
2. "Repeated experiments: mixed models and multiple comparison testing. Seminars for PhD students at the University of Reggio Calabria, 6 and 7 June 2012.
3. *Statistical analyses of seed germination assays: survival regression models*. Seminar for PhD students at the University of Perugia, 24 January 2012.
4. (1): *Nonlinear models: applications and case studies*; (2) *Extending linear models: generalised linear models*. Cycle of two seminars for PhD students at the University of Catania, 14-15 October 2009.
5. *Linear models on biological experiments*. Seminars at the course "Analysis of Biological Assays in Agriculture", Nova University, Riga (Latvia), 11-17 August 2007.
6. *Introduction to linear modelling in biological research. Introduction principal component analysis*. Cycle of two seminars for PhD students at the University of Catania, 5-6 July 2007.
7. *Linear models on biological experiments: ANOVA and regression* Seminars for PhD students at the University of Catania, 9-10 October 2006.
8. *Applied statistics for seed research experiments*. Seminars at the 1st Course "Produzione e tecnologia delle sementi", organised by the Italian Society of Agronomy, Perugia, 15 June 2006.

9. *Methodological approach for pesticide research*. Seminar at the 3rd Course for 'Inspectors for the control of official biological assay centres', 22 June 2005.
10. *Methodological approach for studies about xenobiotics in plant protection*. Cycle of two seminars for the PhD students in "Crop productivity", University of Padua, 15 and 16 October 1997.

## OTHER RELEVANT INFORMATION

### Meeting organisation

Andrea Onofri has been member of the organising committee of the following Symposia:

- XXX Convegno I.S.H.S., Perugia, June 2004
- XXX Meeting S.I.A., Perugia, June 1996.
- "5th EWRS Symposium on weed problems in the Mediterranean Area", Perugia, dal 6-8 June 1994.

### Editorial activities

In the last year Andrea Onofri has served as the referee for several International Journals and publishing companies, such as *Weed Research*, *Journal of Environmental Quality*, Springer-Verlag USA, *HortScience*, *Weed Technology*, *Crop Protection*, *New Phytologist*. Currently, he is statistical consultant for the *International Journal Weed Research* and he is one of the Technical Editors for *Communications in biometry and Crop Science*.

## LIST OF PUBLICATIONS

BONCIARELLI U, ONOFRI A, BENINCASA P, FARNESELLI M, GUIDUCCI M, PANNACCI E, TOSTI G & TEI F (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](https://doi.org/10.1016/j.eja.2016.02.006)).

CATARA S, CRISTAUDO A, GUALTIERI A, GALESÌ R, IMPELLUSO C & ONOFRI A (2016) Threshold temperatures for seed germination in nine

- species of *Verbascum* (Scrophulariaceae). *Seed Science Research* **26**, 30–46.
- CIANCALEONI S, ONOFRI A, TORRICELLI R & NEGRI V (2016) Broccoli yield response to environmental factors in sustainable agriculture. *European Journal of Agronomy* **72**, 1–9.
- ONOFRI A, SEDDAIU G & PIEPHO HP (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](https://doi.org/10.1016/j.eja.2016.02.005)).
- PANNACCI E & ONOFRI A (2016) Alternatives to terbuthylazine for chemical weed control in maize. *Communications in Biometry and Crop Science* **1**, 51–63.
- CRISTAUDO A, RESTUCCIA A, ONOFRI A, GIUDICE VL & GRESTA F (2015) Species-area relationships and minimum area in citrus grove weed communities. *Plant Biosystems* **149**, 337–345.
- ONOFRI A (2015) Confidence intervals: am I unconsciously Bayesian? *Communications in Biometry and Crop Science* **10**, 58–64.
- PEZZOLLA D, MARCONI G, TURCHETTI B, ZADRA C, AGNELLI A, VERONESI F, ONOFRI A, BENUCCI G, BUZZINI P, ALBERTINI E & GIGLIOTTI G (2015) Influence of exogenous organic matter on prokaryotic and eukaryotic microbiota in an agricultural soil. A multidisciplinary approach. *Soil Biology and Biochemistry* **82**, 9–20.
- BENINCASA P, MASSOLI A, POLEGRI L, CONCEZZI L, ONOFRI A & TEI F (2014) Optimising the use of plastic protection covers in field grown melon on a farm scale. *Italian Journal of Agronomy* **9:556**, 8–14.
- CRISTAUDO A, GRESTA F, RESTUCCIA A, CATARA S & ONOFRI A (2014) Germinative response of *Amaranthus retroflexus* to environmental conditions: is there a seasonal pattern? *Plant Biosystems (in press; DOI: [10.1080/11263504.2014.987845](https://doi.org/10.1080/11263504.2014.987845))* .
- MASSACCESI L, MENEGHINI C, COMASCHI T, D'AMATO R, ONOFRI A & BUSINELLI D (2014) Ligands involved in Pb immobilization and transport in lettuce, radish, tomato and Italian ryegrass. *Journal of Plant Nutrition and Soil Science* **177**, 766–774.
- ONOFRI A, MESGARAN M, NEVE P & COUSENS R (2014) Experimental design and parameter estimation for threshold models in seed germination. *Weed Research* **54**, 425–435.

- ONOFRI A & PANNACCI E (2014) Spreadsheet tools for biometry classes in crop science programmes. *Communications in Biometry and Crop Science* **9**, 3–13.
- BENINCASA P, MASSOLI A, POLEGRI L, CONCEZZI L, ONOFRI A & TEI F (2013) Use of plastic protections in field grown melon (*Cucumis melo* L. var *reticulatus*) for the optimization of the production process. In: *Atti del XLII Convegno Nazionale della Societ Italiana di Agronomia*, Reggio Calabria, 194–199.
- STAGNARI F, ONOFRI A, CODIANNI P & PISANTE M (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 & ONOFRI A (2013) Chewing, Strong and Slender Creeping Red Fescue Response to Sowing Time and Method. *Crop Science* **53**, 2613–2622.
- TURCHETTI B, GORETTI M, BRANDA E, DIOLAIUTI G, D’AGATA C, SMIRAGLIA C, ONOFRI A & BUZZINI P (2013) Influence of abiotic variables on culturable yeast diversity in two distinct Alpine glaciers. *FEMS Microbiology Ecology* **86**, 327–340.
- DI MUCCIO T, VERONESI F, ANTOGNONI MT, ONOFRI A, FIORETTI DP & GRAMICCIA M (2012) Diagnostic value of conjunctival swab nested-PCR in different categories of dogs naturally exposed to *Leishmania infantum* infection. *Journal of Clinical Microbiology* **50**, 2651–2659.
- GORETTI M, BRANDA E, TURCHETTI B, CRAMAROSSA MR, ONOFRI A, FORTI L & BUZZINI P (2012) Response surface methodology as optimization strategy for asymmetric bioreduction of (4S)-(+)-carvone by *Cryptococcus gastricus*. *Bioresource Technology* **121**, 290–297.
- GRAZIANI F, ONOFRI A, PANNACCI E, TEI F & GUIDUCCI M (2012) Size and composition of weed seedbank in long-term organic and conventional low-input cropping systems. *European Journal of Agronomy* **39**, 52 – 61.
- KNAPP AK, SMITH MD, HOBBIE SE, COLLINS SL, FAHEY TJ, HANSEN GJA, LANDIS DA, PIERRE KJL, MELILLO JM, SEASTEDT TR, SHAVER GR & WEBSTER JR (2012) Past, Present, and Future Roles of Long-Term Experiments in the LTER Network. *BioScience* **62**, 377–389.
- PAVONE S, GIALLETTI R, PEPE M, ONOFRI A & MANDARA M (2012) Histological and immunohistochemical studies of changes in myenteric



- plexuses and in interstitial cells of Cajal associated with equine colic. *Research in Veterinary Science* **93**, 350–359.
- RONDONI G, ONOFRI A & C R (2012a) Laboratory studies on intraguild predation and cannibalism among coccinellid larvae (Coleoptera: Coccinellidae). *European Journal of Entomology* **109**, 353–362.
- RONDONI G, ONOFRI A & RICCI C (2012b) Differential susceptibility in a specialized aphidophagous ladybird, *Platynaspis luteorubra* (Coleoptera: Coccinellidae), facing intraguild predation by exotic and native generalist predators. *Biocontrol Science and Technology* **22**, 1334–1350.
- BUSINELLI D, ONOFRI A & MASSACCESI L (2011) Factors Involved in Uptake of Lead by Some Edible Crops Grown in Agricultural Soils of Central Italy. *Soil Science* **176**, 472–478.
- GRESTA F, AVOLA G, ONOFRI A, ANASTASI U & CRISTAUDO A (2011a) When Does Hard Coat Impose Dormancy in Legume Seeds? Lotus and Scorpiurus Case Study. *Crop Science* **51**, 1739–1747.
- GRESTA F, AVOLA G, TUTTOBENE R, ONOFRI A, BARRILE V, CRISTAUDO A & ABBATE V (2011b) The effect of fire on the dormancy break of annual legume seeds. *Italian Journal of Agronomy* **6:e21**, 140–
- HOSNI T, MORETTI C, DEVESCOVI G, SUAREZ-MORENO ZR, FATMI MB, GUARNACCIA C, PONGOR S, ONOFRI A, BUONAURO R & VENTURI V (2011) Sharing of quorum-sensing signals and role of interspecies communities in a bacterial plant disease. *ISME Journal* **5**, 1857–1870.
- ONOFRI A, MESGARAN MB, TEI F & COUSENS RD (2011) The cure model: an improved way to describe seed germination? *Weed Research* **51**, 516–524.
- BAYRAM A, SALERNO G, ONOFRI A & CONTI E (2010a) Sublethal effects of two pyrethroids on biological parameters and behavioral responses to host cues in the egg parasitoid *Telenomus busseolae*. *Biological Control* **53**, 153–160.
- BAYRAM A, SALERNO G, ONOFRI A & CONTI E (2010b) Lethal and sublethal effects of preimaginal treatments with two pyrethroids on the life history of the egg parasitoid *Telenomus busseolae*. *BioControl* **55**, 697–710.

- GRESTA F, CRISTAUDO A, ONOFRI A, RESTUCCIA A & AVOLA G (2010) Germination response of four pasture species to temperature, light, and post-harvest period. *Plant Biosystems - An International Journal Dealing with all Aspects of Plant Biology* **144**, 849–856.
- HOSNI T, MORETTI C, DEVESCOVI G, SUAREZ-MORENO ZR, FATMI M, PONGOR S, A O, VENTURI V & BUONAURO R (2010) Possibile ruolo di endofiti batterici nella rogna dell'olivo. In: *56 Convegno G.E.I.*, Perugia, -.
- ONOFRI A, CARBONELL EA, PIEPHO HP, MORTIMER AM & COUSENS RD (2010a) Current statistical issues in Weed Research. *Weed Research* **50**, 5–24.
- ONOFRI A, GRESTA F & TEI F (2010b) A new method for the analysis of germination and emergence data of weed species. *Weed Research* **50**, 187–198.
- PIRZAD A, GHASEMIAN V, DARVISHZADEH R, SEDGHI M, HASSANI A & ONOFRI A (2010) Allelopathy of sage and white wormwood on purslane germination and seedling growth. *Notulae Scientia Biologicae* **2**, 91–95.
- BUSINELLI D, MASSACCESI L & ONOFRI A (2009) Evaluation of Pb and Ni Mobility to Groundwater in Calcareous Urban Soils of Ancona, Italy. *Water Air And Soil Pollution* **201**, 185–193.
- KAZINCZI G, ONOFRI A, SZABO L, BRES I, HORVAT J & TAKACS A (2009) Az Apro szulak (*Convolvulus arvensis* L.) allelopatiaja. *NVNYVDELEM* **45**, 297–304.
- LIGABUE M, BORTOLAZZO E, RUOZZI F & ONOFRI A (2009a) *Azioni di innovazione e ricerca a supporto del piano proteine vegetali: Erba medica*. CRPA Editore, Reggio Emilia.
- LIGABUE M, ONOFRI A & RUOZZI F (2009b) Variet di erba medica per le regioni del Centro-nord. *L'INFORMATORE AGRARIO* **2009**, 56–59.
- MONOTTI M, ONOFRI A, GARGANO E, SELMI C, TAGLIAFERRI A, CRAVERI L, SEVERI D, BRUNO G, POLI M, BIMBI G, GINANNI M, MOSCHENI E, QUATTRUCCI M, TAVOLETTI S, PETRINI A, DI PAOLO E, STAGNARI F, DE MASTRO G, CARBONI G, PRUNEDDU G, SARTI A & TONETTI L (2009) *Azioni di innovazione e ricerca a supporto del piano proteine vegetali: Proteiche da granella*. CRPA Editore, Reggio Emilia.

- ONOFRI A, BECCAFICHI C, BENINCASA P, GUIDUCCI M & TEI F (2009) Is CropSyst adequate for management-oriented simulation of growth and yield of processing tomato? *JOURNAL OF APPLIED HORTICULTURE* **11**, 17–22.
- QUARANTA F, BELOCCHI A, FM, CACCIATORI P, CHIERICO M, ARCANGELI A, MAZZON V, BOTTAZZI P, NERI L, ONOFRI A, DEL PUGLIA S, PICCIONI C, BASILI O, VECCHIARELLI V & VIOLA P (2009) Grano duro 2009: I risultati 2008-2009 della rete nazionale (Centro Italia versante tirrenico). *INFORMATORE AGRARIO* **34 (Supplemento)**, 32–34.
- STAGNARI F, ONOFRI A & PISANTE M (2009) Response to French Bean (*Phaseolus vulgaris* L.) cultivars to foliar applications of magnesium. *ITALIAN JOURNAL OF AGRONOMY* **4/2009**, 101–110.
- BUSINELLI D, MASSACCESI L & A O (2008) Distribuzione e valutazione del potere inquinante per le falde dei metalli pesanti presenti nei suoli urbani della città di Ancona. In: *Atti del Convegno Nazionale SISS "Il suolo da naturale ad antropico"*, Ancona, 23–23.
- DESIDERIO E, FORNARA A, FORNARA M, CACCIATORI P, ARCANGELI A, MAZZON V, BOTTAZZI P, NERI L, CIRICIOFOLO E, ONOFRI A, DEL PUGLIA S, PICCIONI C, VECCHIARELLI V & VIOLA P (2008) Grano duro 2008: I risultati 2007-2008 della rete nazionale (Toscana, Lazio e Umbria). *INFORMATORE AGRARIO* **34 (Supplemento)**, 32–34.
- KAZINCZI G, BERES I, ONOFRI A, NADASY E, TAKACS A, HORVAT J & TORMA M (2008) Allelopathic effects of plant extracts on common ragweed (*Ambrosia artemisiifolia* L.). *Journal Of Plant Diseases And Protection Special Issue XXI*, 335–340.
- KAZINCZI G, ONOFRI A, HORVAT J & TORMA M (2008) The effect of some herbicides on host-virus relations. *Cereal Research Communications* **36 (Supplementum)**, 1155–1158.
- PERUCCI P, MONACI E, ONOFRI A, VISCHETTI C & CASUCCI C (2008) Changes in physico-chemical and biochemical parameters of soil following addition of wood ash: A field experiment. *European Journal Of Agronomy* **28**, 155–161.
- BUSINELLI D, MASSACCESI L & A O (2007) Adsorbimento e desorbimento di Ni e Pb nei suoli urbani della città di Ancona-XXV Convegno Nazionale SICA. In: *XXV Convegno Nazionale SICA*, Pisa, –.

- KAZINCZI G, ONOFRI A, SZABO L, BRES I, HORVAT J & TAKACS A (2007) Phytotoxic effects of *Convolvulus arvensis* weed on crops. *Allelopathy Journal* **20**, 179–194.
- ONOFRI A & CIRICIOFOLO E (2007a) A new R script to perform graphical analyses of agriculture variety trials by AMMI and GGE. In: *Proceedings of 6th National Congress of Italian Biometric Society "La statistica nelle scienze della vita e dell'ambiente"*, Pisa, 20-22 Giugno 2007, 83–86.
- ONOFRI A & CIRICIOFOLO E (2007b) Using R to perform the AMMI analysis on agriculture variety trials. *R NEWS* **7**, 14–19.
- ONOFRI A (2007) Routine statistical analyses of field experiments by using an Excel extension. In: *Proceedings of 6th National Congress of Italian Biometric Society "La statistica nelle scienze della vita e dell'ambiente"*, Pisa, 20-22 Giugno 2007, 93–96.
- STAGNARI F, ONOFRI A, JEMISON J & MONOTTI M (2007) Improved multivariate analyses to discriminate the behaviour of faba bean varieties. *Agronomy For Sustainable Development* **27**, 387–397.
- PANNACCI E, ONOFRI A & COVARELLI G (2006) Biological activity, availability and duration of phytotoxicity for imazamox in four different soils of central Italy. *Weed Research* **46**, 243–250.
- STAGNARI F, ONOFRI A & COVARELLI G (2006) Influence of vegetable and mineral oils on the efficacy of some post-emergence herbicides for grass weed control in wheat. *Journal of Pesticide Science* **31**, 339–343.
- BIANCHI L, CASOLI C, ONOFRI A, PAUSELLI M, TERZANO GM & DURANTI E (2006) Effect of the chrominogenic substrate on the colorimetric determination of plasmin and plasminogen in milk. *MilchWissenSchaft* **61**, 433–436.
- COVARELLI G, STAGNARI F & ONOFRI A (2006) Germinazione ed emergenza di *Xanthium strumarium*. In: *Atti Giornate Fitopatologiche, 27-29 Marzo 2006, Riccione (RN)*, vol. 1, (eds. A Brunelli, A Canova & M Collina), Cooperativa Libreria Universitaria Editrice, Bologna, 455–460.
- ONOFRI A, ROSELLINI D, TEI F & VERONESI F (2006a) Le piante geneticamente modificate nell'agricoltura umbra. In: *Coesistenza tra colture geneticamente modificate, convenzionali e biologiche nel contesto dell'agricoltura umbra*, vol. 1, (ed. F Veronesi), 1–24. Università degli Studi di Perugia, Perugia.

- ONOFRI A, PAUSELLI M, PESCIAIOLI I & CIRICIOFOLO E (2006b) Confronto tra varietà di *Festuca arundinacea* Schreber in miscugli foraggeri a basso livello di concimazione azotata: risultati preliminari. *Annali della Facoltà di Agraria* **LV** (2003/2004), 23–40.
- ONOFRI A (2006) Enhancing Excel capability to perform statistical analyses in agriculture applied research. *Computational Statistics and data analysis - Statistical Software Newsletters*, Ed. by International Association for statistical Computing, 15/02/2006 .
- GIGLIOTTI G, ONOFRI A, PANNACCI E, BUSINELLI D & TREVISAN M (2005) Influence of dissolved organic matter from waste material on the phytotoxicity and environmental fate of triflurosulfuron methyl. *Environmental Science and Technology* **39**, 7446–7451.
- KAZINCZI G, ONOFRI A, BRES I, NADASY E, LEHOCZKY E & LUKACS P (2005) Cucumber (*Cucumis sativus* L.) as test species in allelopathic research. In: *Proc. XIII EWRS Meeting, 19-23 June 2005, Bari*.
- ONOFRI A (2005) Bioassay97: a new excel vba macro to perform statistical analyses on herbicide dose-response data. *Italian Journal of Agrometeorology* **3**, 40–45.
- ONOFRI A, LAURETI D, PECCETTI G & ZANETTI F (2005) Panorama varietale del colza. *Agroindustria* **4**, 81–89.
- ONOFRI A (2005) Il diserbo delle infestanti nella barbabietola da zucchero. *Contoterzismo e agricoltura* **10**, 11–12.
- BRAVIN F, ONOFRI A, ZANIN G & SATTIN M (2004) Is malathion a useful tool to infer on chlorsulfuron-resistance mechanism in multi-resistant Italian populations of *Lolium* spp.? In: *Proceedings 4th International Weed Science Congress, Durban, 20-24 June 2004 (South Africa)*, vol. 1, 48.
- ONOFRI A & CIRICIOFOLO E (2004) Characterisation of yield quality in durum wheat by canonical variate analysis. In: *Book of Proceedings, VIII ESA Congress "European Agriculture in a global context", Copenhagen, 11-15 July 2004*, Copenhagen, 541–542.
- ONOFRI A (2004) Bioassay97: EXCEL Add-in per l'elaborazione statistica del dosaggio biologico con erbicidi. In: *Atti delle III Giornate di Studio su Metodi numerici, statistici e informatici nella difesa delle colture agrarie e delle foreste: ricerca ed applicazioni (A. Dalla Marta e S. Orlandini, Eds)*, A. Dalla Marta e S. Orlandini, Firenze, Italy, 202–206.

- ONOFRI A & CIRICIOFOLO E (2003) *Questionario di Agronomia generale: appunti dalle esercitazioni del corso di Agronomia e sistemi foraggeri A.A. 2002/2003*. Pubblicato in proprio, 6 marzo 2003, Perugia.
- ONOFRI A (2003) *Elementi di statistica descrittiva ed inferenziale per gli studenti del I anno della Facoltà di Agraria (A.A. 2002/2003)*. Pubblicato in proprio, 6 marzo 2003, Perugia.
- GIGLIOTTI G, PANNACCI E, ONOFRI A & TREVISAN M (2002) Influence of dissolved organic matter on the phytotoxicity of triflusal-methyl. In: *Proceedings 12th Symposium EWRS, 24-27 June 2002, Arnhem*, 158–159.
- ONOFRI A, BECCAFICHI C & TEI F (2002) Germinazione e crescita di *Lobelia erinus* L. In: *Atti del Convegno "Florovivaismo tra innovazione e novità" 22 novembre 2002, Ercolano (NA), Italy*, (eds. G Barbieri & RP S De Pascale), Casa Editrice Imago Media, Dragoni (CE), Italy, 203–209.
- PANNACCI E, COVARELLI G & ONOFRI A (2002a) No observable effect levels for imazamox in culture solution. In: *Proceedings 12th Symposium EWRS, 24-27 June 2002, Arnhem*, 118–119.
- PANNACCI E, ONOFRI A & COVARELLI G (2002b) Availability and duration of phytotoxicity for imazamox on a clay-loam soil. In: *Proceedings 12th Symposium EWRS, 24-27 June 2002, Arnhem*, 116–117.
- STAGNARI F & ONOFRI A (2002) Verifica della miscibilità tra prodotti gramincidi e dicotiledonici di post-emergenza della soia. In: *Atti Giornate Fitopatologiche, Baselga di Pin, 7-11 Aprile 2002*, vol. 1, 259–264.
- BERTI A, ZANIN G, ONOFRI A & SATTIN M (2001) Sistema integrato di gestione delle malerbe (IWMS). In: *Malerbologia*, (eds. P Catizone & G Zanin), 660–711. PATRON, reprints.
- BONCIARELLI F, COVARELLI G, ONOFRI A & EURO P (2001) Adattabilità, resa e caratteristiche qualitative delle nuove varietà di tabacco Virginia cimato. In: *Atti Convegno S.I.A. "Strategie agronomiche al servizio della moderna agricoltura"*, Pisa, 17-21/9/2001, 182–183.
- COVARELLI G & ONOFRI A (2001) Gli erbicidi: definizione, cenni storici e statistiche. In: *Malerbologia*, (eds. P Catizone & G Zanin), 315–320. PATRON, reprints.

- GIGLIOTTI G, ONOFRI A, BUSINELLI D, CAPRI E & TREVISAN M (2001) Influenza della qualità della sostanza organica sulla mobilità dei fitofarmaci nel terreno. In: *Atti XIX Convegno Società Italiana di Chimica Agraria, Reggio Calabria, 25/9-28/9/2001*, 123.
- ONOFRI A, MARUCCHINI C & COVARELLI G (2001) Classificazione degli erbicidi. In: *Malerbologia*, (eds. P Catizone & G Zanin), 321–365. PATRON, reprints.
- COVARELLI G, PANNACCI E & ONOFRI A (2000a) Impiego di rimsulfuron, dicamba, nicosulfurone sulcotrione a dosi ridotte nel diserbo del mais. In: *Atti giornate fitopatologiche 2000, Perugia, 16-19 Aprile 2000*, vol. 2, CLEUB, Bologna, 477–482.
- COVARELLI L, ONOFRI A & VISCHETTI C (2000b) Simulazione del comportamento ambientale di un fungicida del tabacco in scenari tipici dell'Italia centrale. In: *Atti giornate fitopatologiche 2000, Perugia, 16-19 Aprile 2000*, vol. 1, CLEUB, Bologna, 209–216.
- DONGIOVANNI G, COVARELLI L & ONOFRI A (2000) Attività biologica, persistenza nel terreno ed intervalli di risemina di quattro erbicidi per il diserbo del frumento. In: *Atti giornate fitopatologiche 2000, Perugia, 16-19 Aprile 2000*, vol. 2, CLEUB, Bologna, 471–476.
- ZADRA C, PANNACCI E, GALEAZZI R, ONOFRI A, ORENA M & MARUCCHINI C (2000) Solfoniluree ed imidazolinoni: relazione tra struttura ed attività erbicida. In: *Atti XVIII Convegno Società Italiana di Chimica Agraria, Catania, 19/9-22/9/2000*, 143.
- MARUCCHINI C, ZADRA C, ONOFRI A, ORENA M & GALEAZZI R (1999) Studio del rapporto tra struttura e attività erbicida degli imidazolinoni. In: *Atti XVII Convegno Società Italiana di Chimica Agraria, Portoferraio (LI), 29/9-1/10/1999*, SICA, 133.
- ONOFRI A (1999) Controllo della flora infestante del girasole. *Ricerca e divulgazione* **3**, 12–13.
- VISCHETTI C, ESPOSITO A, ONOFRI A, TREVISAN M & ZANIN G (1999) Simulation of the behaviour of some pesticides for horticultural crops in soil using Italian scenarios. In: *Proceedings XI Symposium Pesticide Chemistry "Human and environmental Exposure to xenobiotics" Cremona, 11-15 Settembre 1999, 491-499.*, (eds. AD Re, C Brown, E Capri, G Errera, SP Evans & M Trevisan), La Goliardica Pavese, 491–499.

- ONOFRI A (1998) Gestione integrata della lotta alle piante infestanti. In: *Dispense del corso interdisciplinare per laureati, professionisti e dipendenti degli Enti Regionali su: Produzioni vegetali sostenibili: problematiche agroambientali e tecniche conservative*, organizzato da: CO.T.IR, Consorzio tecniche irrigue srl. Lezione tenuta il 16/10/1998, c/o sede COTIR, Localit Zimarino S.S. 16 Nord 240 - 66054 VASTO (Chieti), COTIR.
- COVARELLI G & ONOFRI A (1998a) Effects of timing of weed removal and emergence in sugarbeet. In: *Proceedings 6th EWRS Mediterranean Symposium, Montpellier, 13-15 May 1998*, EWRS, 65–72.
- COVARELLI L & ONOFRI A (1998b) Diserbo in pre e post-emergenza del lino da olio *Linum usitatissimum* in semina primaverile. *Informatore Fitopatologico* **5**, 71–75.
- ONOFRI A, VISCHETTI C, RAPPARINI G & MARCHI F (1998) Comportamento ambientale degli erbicidi impiegati nelle colture orticole. In: *Atti Convegno S.I.R.F.I. "Il controllo della flora infestante nelle colture orticole"*, Bari, 12-13 novembre 1998, Edizioni Guerra, 111–164.
- ONOFRI A, COVARELLI G & TEI F (1997) Ruolo e potenzialit delle curve dose-risposta nella costruzione di un sistema razionale di lotta alle malerbe. *Rivista di Agronomia* **XXXI**, 715–725.
- COVARELLI G & ONOFRI A (1996) Ricerche sul diserbo di post-emergenza della barbabietola da zucchero. In: *Atti Giornate Fitopatologiche 1996, Numana*, vol. 1, Edizioni Baiesi, 357–364.
- ONOFRI A & COVARELLI G (1996) No Observable Effect Levels for soil residues of two sulphonylurea herbicides. In: *Proceedings of 2nd International Weed Control Congress, Copenhagen*, (eds. H Brown, GW Cussans, MD Devine, S O'Duke, CS Fernandez-Quintanilla, A Helweg, RE Labrada, M Landes, P Kudsk & JC Streibig), Department of Weed Control and Pesticide Ecology, Flakkebjerg, Denmark, 349–354.
- ONOFRI A, TEI F & CIRICIOFOLO E (1996) Effect of plant density and row spacing on winter oilseed rape yield in the Mediterranean Area. *Agricoltura Mediaterranea* **135**, 40–49.
- ONOFRI A (1996) Biological activity, field persistence and safe recropping intervals for imazethapyr and rimsulfuron on a silty-clay soil. *Weed Research*, **36**, 73-83 .



- TEI F, ONOFRI A, GUIDUCCI M, FMIGLIETTA, GOUDRIAAN J & LAAR HHV (1996a) Simulation of sweet pepper growth based on INTERCOM: validation of the model in central Italy. In: *"System analysis and simulation in Agricultural Sciences: a contribution of the RAISA Project"*, *Proceedings of Tavola Rotonda "Analisi e simulazione dei sistemi colturali"*, *Accademia dei Georgofili, Logge degli Uffizi, Firenze, 9-10 maggio 1996*, (eds. F Miglietta, J Goudriaan & H van Laar), RAISA Project, Firenze, 25–33.
- TEI F, ONOFRI A & GUIDUCCI M (1996b) Effetto della concimazione azotata su ripartizione di sostanza secca e azoto nel peperone (*Capsicum annum* L.). In: *.Atti III Giornate Scientifiche S.O.I., 10-14 marzo 1996*, *Erice*, Societ Italiana di Orticoltura, Erice, 89–90.
- TEI F, ONOFRI A & GUIDUCCI M (1996c) Relationship between N concentration and growth in sweet pepper. In: *Proceedings 4th International Conference ESA, 7-11, luglio 1996, Veldhoven-Wageningen*, ESA, Wageningen, 602–603.
- VISCHETTI C, MARINI M, BUSINELLI M & ONOFRI A (1996) The effect of temperature and co-applied herbicides on the degradation rate of phenmedipham, chloridazon and metamitron in a clay loam soil in the laboratory. In: *"The environmental phate of xenobiotics"*, *Proceedings X Symposium on Pesticide Chemistry, Piacenza*, (eds. AD Re, E Capri, SP Evans & M Trevisan), La Goliardica Pavese, Piacenza, 287–294.
- COVARELLI G & ONOFRI A (1995) Influence of adjuvants on the efficacy of post-emergence applications of dicamba and terbuthylazine. In: *Proceedings 16th COLUMA Conference "International Meeting on Weed Control"*, *Reims*, ANPP, reprints, 461–464.
- ONOFRI A, COVARELLI L & TEI F (1995) Efficacy of rimsulfuron and metribuzin against *Solanum nigrum* L. at different growth stages in tomato. In: *Proceedings 16th COLUMA Conference "International Meeting on Weed Control"*, *Reims*, ANPP, reprints, 993–1000.
- ONOFRI A (1995) *Verifica sperimentale delle caratteristiche di formulazioni alternative di n-decanolo per la cimatura chimica del tabacco*. Pubblicato in proprio, Perugia, published: Pubblicato in proprio.
- COVARELLI G & ONOFRI A (1994) Attualit e prospettive nel diserbo del mais. *L' Informatore Agrario* **11**, 56–69.

- ONOFRI A & COVARELLI G (1994) Possibilit di ridurre la dose d' impiego di alcuni erbicidi di post-emergenza di mais e frumento, con l' aggiunta di alcuni coadiuvanti. In: *Atti Convegno "Innovazioni e prospettive nella difesa fitosanitaria", Ferrara, 1994*, (ed. A Quacquarelli), Edizioni Istituto Sperimentale per la Patologia Vegetale, reprints, 591–595.
- ONOFRI A & TEI F (1994a) Competitive ability and threshold levels for three broadleaf weed species in sunflower. *Weed Research* **34**, 471–479.
- ONOFRI A & TEI F (1994b) Influence of application timing on the effectiveness of rimsulfuron against rhizome *Sorghum halepense* (L.) Pers. In: *Proceedings 5th EWRS Mediterranean Symposium "Weed control in sustainable agriculture in the Mediterranean Area"*, (eds. F Tei & A Onofri), Universit degli Studi di Perugia, reprints, 105–111.
- ONOFRI A (1994) *Applicazione di modelli empirici di regressione non-lineare in ricerche di lotta alle malerbe*. Tesi di dottorato di ricerca in "Produttivit delle piante coltivate", VI ciclo, Universit...degli Studi di Perugia, Istituto di Agronomia generale e Coltivazioni erbacee, 138pp., Perugia.
- TEI F, ONOFRI A & GUIDUCCI M (1994) Effetto della concimazione azotata su crescita ed assorbimento d' azoto nel peperone *Capsicum annum* L. In: *Atti II Giornate Scientifiche S.O.I., S.Benedetto del Tronto*, Societ Italiana di Orticoltura, reprints, 339–340.
- TEI F & ONOFRI A (1994) Effetto della disponibilit idrica su qualit e resa del melone. In: *Atti II Giornate Scientifiche S.O.I., S.Benedetto del Tronto*, Societ Italiana di Orticoltura, reprints, 391–392.
- COVARELLI G, ONOFRI A & MARRONI MG (1993) Ricerche sperimentali sul diserbo del sorgo. *L' Informatore Agrario* **25**, 67–72.
- COVARELLI G, ONOFRI A, BERTI A, CATIZONE F, LAURETI D, MONTE-MURRO P & SARLI G (1992) Flora infestante e diserbo chimico selettivo del colza invernale da olio. *Agricoltura e Ricerca* **134**, 53–62.
- ONOFRI A & PINO AD (1992) Mais: lotta integrata alle malerbe. *Terra e Sole* **4**, 165–171.
- ONOFRI A (1992a) Efficacia erbicida e selettivit di un nuovo gramminicida solfonilureicodi post-emergenza del mais. In: *Atti Giornate Fitopatologiche 1992*, vol. 3, CLUEB, Bologna, 13–22.

ONOFRI A (1992b) Girasole: la competizione delle infestanti. *Terra e Vita* **3**, 49-50.

DEL PINO A & ONOFRI A (1991) Risultati di quattro anni di sperimentazione sul diserbo del frumento. In: *Atti Convegno SILM "Il controllo della vegetazione infestante il frumento"*, Rimini, Edizioni Guerra, reprints, 245-262.

TEI F, COVARELLI G, ONOFRI A, BALDONI G, D'ALESSANDRO F & SALERA E (1991) Flora infestante e diserbo chimico selettivo del girasole. *L' Informatore Agrario, Supplemento 8*, 77-85. .