

Salerno, Italy
5th September 2019

PERSONAL INFORMATION

Family name, First name: Baldantoni, Daniela

Date of birth:

EDUCATION

- 1997 Master Degree in Biological Sciences, University of Naples, Italy
2002 Ph.D. in Terrestrial Ecology (Plants and Soil), University of Naples, Italy

POSITIONS

- 2005-2018 Assistant Professor of Ecology, University of Salerno, Italy
2018- Associate Professor of Ecology, University of Salerno, Italy

FELLOWSHIPS

- 1998 Scholarship on Environmental Biomonitoring, University of Naples, Italy

TEACHING ACTIVITIES

- 2001/2002 - 2004/2005 Course of "Plant Ecology" (16 hours in 2001/2002 and 2002/2003; 8 hours in 2003/2004 and 2004/2005) for the School of Specialization in "Science and Technology of Medicinal Plants", Faculty of Pharmacy, University of Naples, Italy
- 2003/2004 - 2014/2015 Course of "Applied Ecology" (52 hours) for the Degree Course in Assessment and Environmental Control, Faculty of Sciences, University of Salerno, Italy
- 2005/2006 - 2011/2012 Course of "Biology I" (24 hours in 2005/2006, 2007/2008, 2009/2010 and 2010/2011; 16 hours in 2006/2007; 48 hours in 2008/2009, 12 hours in 2011/2012) for the Degree Course in Assessment and Environmental Control, Faculty of Sciences, University of Salerno, Italy
- 2006/2007 Course of "Applied Ecology" for Master of First Level "Assessment and Environmental Control: the cycle of waste", Faculty of Sciences, University of Salerno, Italy
- 2007/2008 Course of "Botany" (12 hours) for the Degree Course in Biological Sciences, Faculty of Sciences, University of Salerno, Italy
- 2006/2007- 2008/2009 Course of "Laboratory of Education to Environment and Health" (28 hours) for the School of Specialization for Enabling Teaching in Secondary Schools, Faculty of Sciences, University of Salerno, Italy
- 2008/2009 Course of "Biomonitoring" (20 hours) for Master of First Level "European Master of Landscape. Protection, management and planning of the landscape", Faculty of Sciences, University of Salerno, Italy
- 2008/2009 Course of "Landscape Ecology" (10 hours) for Master of First Level "European Master of Landscape. Protection, management and planning of the landscape", Faculty of Sciences, University of Salerno, Italy
- 2011/2012 Course of "Analysis of Ecological Systems" (12 hours) for the Master Degree in Environmental Sciences, Faculty of Sciences, University of Salerno, Italy
- 2011/2012 - 2014/2015 Course of "Integrated Laboratory for Environmental Analyses" (24 hours) for the Master Degree in Environmental Sciences, Faculty of Sciences, University of Salerno, Italy

- of Salerno, Italy
- 2013/2014 Course of "Ecology" (18 hours) for Enabling Special Courses, Faculty of Sciences, University of Salerno, Italy
- 2015/2016 - 2017/2018 Course of "Applied Ecology" (52 hours) for the Degree Course in Environmental Sciences, Department of Chemistry and Biology "Adolfo Zambelli", University of Salerno, Italy
- 2017/2018 - 2018/2019 Course of "Analysis of Ecological Systems" (56 hours), for the Master Degree in Environmental Sciences, Department of Chemistry and Biology "Adolfo Zambelli", University of Salerno, Italy
- 2018/2019 Course of "Ecology" (64 hours) for the Degree Course in Environmental Sciences, Department of Chemistry and Biology "Adolfo Zambelli", University of Salerno, Italy

ORGANISATION OF SCIENTIFIC MEETINGS

- 2008 Meeting "The Plant Biotechnologies at the beginning of the third millennium: a bridge to the future", University of Salerno, Italy
- 2010 Congress "Biodiversity and research. Investing in protected areas", University of Salerno, Italy
- 2013 Workshop "Organic wastes: a resource for agricultural soil recovery. Ten years of research on compost in Campania, Italy", University of Salerno, Italy
- 2015 Think tank group meeting: "Application and Implication of Nano-Enabled Technologies for Water and Wastewater treatment & Gender Balance Meeting", University of Salerno, Italy
- 2016 Workshop: "Monitoring anthropogenic environments and Antarctica"; University of Salerno, Italy
- 2017 XXVII National Congress of Italian Society of Ecology: "Ecological research in a changing world"; University of Naples, Italy.
- 2018 113^o Congress of Italian Society of Botany & V International Plant Science Conference; University of Salerno, Italy

INSTITUTIONAL RESPONSIBILITIES

- 2008-2009 Member of the Academic Board of the Ph.D. in "Applied Biology", University of Naples, Italy
- 2009-2013 Member of the Academic Board of the Ph.D. in "Systems Biology", University of Salerno, Italy
- 2013-2018 Member of the Academic Board of the Ph.D. in "Chemistry", University of Salerno, Italy
- 2019-2020 Member of the Academic Board of the Ph.D. in "Chemical, Biological and Environmental Sciences", University of Salerno, Italy
- 2009-2015 Member of 2 Committees for Research Fellowships, 8 Committees for Scholarships, 5 Committees for Autonomous and Occasional Jobs, 1 Committee for Ph.D., University of Salerno, Italy
- 2016 Member of Committee for Ph.D. in Applied Biology, University of Naples, Italy
- 2018 Member of Committee for Ph.D. in Environmental Sciences, University of Venice, Italy.
- 2008-2019 Member of the Committee of Incoming Guidance for the Degree Course in Assessment and Environmental Control, Faculty of Sciences, University of Salerno, Italy
- 2010-2019 Member of the Committees of Evaluation for the Degree Course in Assessment and Environmental Control and of the Master Degree in Environmental Sciences, Faculty of Sciences, University of Salerno, Italy

EDITORIAL ACTIVITY

- Italian translator of the chapters "Conservation Biology" and "Landscape Ecology and Ecosystem

Management" of the textbook "Ecology" (3rd edition) of M.L. Cain, W.D. Bowman and S.D. Hacker (Eds.), Oxford University Press.

- Reviewer of the textbook "Introduzione all'ecologia applicata. Dalla teoria alla pratica della sostenibilità" (1st edition) of S. Galassi, I. Ferrari and P. Viaroli (Eds.), CittàStudi Edizioni.

- Editorial Board Member of Research in Ecology, Bilingual Publishing Co.

- Co-Editor of iForest - Biogeosciences and Forestry, Italian Society of Silviculture and Forest Ecology.

REVIEWER FOR JOURNALS

2005-2019 Agriculture, Ecosystems and Environment; Aquatic Botany; Atmospheric Pollution Research; Chemosphere; Ecotoxicology; Ecotoxicology and Environmental Safety; Environmental Earth Sciences; Environmental Pollution; Environmental Science and Pollution Research; Fresenius Environmental Bulletin; iForest; International Journal of Environmental and Waste Management; International Journal of Environmental Research; International Journal of Phytoremediation; Journal of Environmental Accounting and Management; Journal of Environmental Management; Journal of Geochemical Exploration; Journal of Hazardous Materials; Journal of Plant Nutrition and Soil Science; Journal of Soils and Sediments; Land Degradation & Development; Plant Biosystems; PLOS ONE; Science of the Total Environment.

REVIEWER FOR RESEARCH PROJECTS

2014-2015 ARIMNet2

ANVUR REVIEWER

VQR 2011-2014

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

Italian Society of Ecology (SItE)

Italian Association for Trace Element Study in Living Beings (AISETOV)

Federation of European Societies on Trace Elements and Minerals (FESTEM)

MEMBERSHIPS OF RESEARCH GROUPS

EU COST Action ES1205 - Engineered Nanomaterials from Wastewater Treatment & Stormwater to Rivers - WG3 (Toxicology).

MAJOR COLLABORATIONS

- Prof. M.-A. Selosse, Centre d'Ecologie Fonctionnelle et Evolutive, Montpellier, France

- Prof. J. Cortet, Centre d'Ecologie Fonctionnelle et Evolutive, Montpellier, France

- Dr. R.S. Polishchuk, Telethon Institute of Genetics and Medicine, Naples, Italy

- Prof. S. Giordano and Prof. G. Maisto, Dept. of Biology, University of Naples, Italy

- Dr. F. De Nicola, Dept. Sciences and Technologies, University of Benevento, Italy

- Prof. M. Borghetti, School of Agriculture, Forestry and Environmental Sciences, University of Basilicata, Italy

- Prof. R. Bargagli, Dept. of Environmental Sciences, University of Siena, Italy

- Prof. A. Saracino, Prof. M. Fagnano and Dr. G.G. Aprile, Dept. of Agriculture, University of Naples, Italy

- Prof. F. Manes and Prof. M. Vitale, Dept. of Environmental Biology, University of Rome, Italy

- Prof. C. Colombo, Dept. of Agriculture, Environment and Food, University of Molise, Italy

- Dr. M.V. Prati, National Research Council, Naples, Italy

- Dr. L. Morra, Agricultural Research Council of Caserta, Italy
- Dr. M. Zaccardelli and Dr. Paola Iovieno, Agricultural Research Council of Pontecagnano (SA), Italy

SOFTWARE DEVELOPMENT

Alessandro Bellino, Daniela Baldantoni (2013). cpa: Confirmatory Path Analysis through the d-sep tests. R package version 1.0. Available on CRAN since 12 October 2013. <http://cran.r-project.org/>

MAJOR PUBLICATIONS

From 1997 to 2019, author of 51 papers published on journals indexed in Scopus and Web of Science, and 1 chapter of a book for an international audience (listed below); 19 of them as first author, and 19 of them as corresponding author (*):

1. Alfani A., **Baldantoni D.**, Maisto G., Bartoli G., Virzo De Santo A. (1997). Time and site integrated biomonitoring of Pb, Cr, Fe, Cu, V and Cd in the urban area of Naples. *Journal of Trace Elements in Medicine and Biology*, 11: 176-178.
2. Alfani A.*, **Baldantoni D.**, Maisto G., Bartoli G., Virzo De Santo A. (2000). Temporal and spatial variation in C, N, S and trace element contents in the leaves of *Quercus ilex* L. within the urban area of Naples. *Environmental Pollution*, 109: 119-129; DOI: 10.1016/S0269-7491(99)00234-1
3. Alfani A.*, Maisto G., Prati M.V., **Baldantoni D.** (2001). Leaves of *Quercus ilex* L. as biomonitors of PAHs in the air of Naples (Italy). *Atmospheric Environment*, 35: 3553-3559; DOI: 10.1016/S1352-2310(01)00087-5
4. Maisto G.*, **Baldantoni D.**, De Marco A., Alfani A., Virzo De Santo A. (2003). Biomonitoring of trace element air contamination at sites in Campania (Southern Italy). *Journal of Trace Elements in Medicine and Biology*, 17 (Suppl. 1): 51-55; DOI: 10.1016/S0946-672X(03)80046-9
5. **Baldantoni D.***, Alfani A., Di Tommasi P., Bartoli G., Virzo De Santo A. (2004). Assessment of macro and microelement accumulation capability of two aquatic plants. *Environmental Pollution*, 130: 149-156; DOI: 10.1016/j.envpol.2003.12.015
6. Santitoro A., Aprile G.G.*, **Baldantoni D.**, Bartoli G., Alfani A. (2004). Trace element analyses in an epiphytic lichen and its bark substrate to assess suitability for air biomonitoring. *Environmental Monitoring and Assessment*, 98: 59-67; DOI: 10.1023/B:EMAS.0000038179.24535.9c
7. Maisto G., Alfani A.*, **Baldantoni D.**, De Marco A., Virzo De Santo A. (2004). Trace metals in the soil and in *Quercus ilex* L. leaves at anthropic and remote sites of the Campania Region of Italy. *Geoderma*, 122: 269-279; DOI: 10.1016/j.geoderma.2004.01.013
8. **Baldantoni D.***, Maisto G., Bartoli G., Alfani A. (2005). Analyses of three native aquatic plant species to assess spatial gradients of lake trace element contamination. *Aquatic Botany*, 83: 48-60; DOI: 10.1016/j.aquabot.2005.05.006
9. Iovieno P., **Baldantoni D.**, De Nicola F., Alfani A., Morra L., Zaccardelli M. (2006). Multidisciplinary approach to validate compost use in vegetable crop systems of Campania Region (Italy): influence of compost rates on soil biological activity and heavy metal content. In: Proc. IS Towards ecologically sound fertilisation strategies for field vegetable production. F. Tei, P. Benincasa, M. Guiducci (Eds.); *Acta Horticulturae*, 700: 271-274.
10. **Baldantoni D.***, Ligrone R., Alfani A. (2009). Macro- and trace-element concentrations in leaves and roots of *Phragmites australis* in a volcanic lake in Southern Italy. *Journal of Geochemical Exploration*, 101: 166-174; DOI: 10.1016/j.gexplo.2008.06.007
11. Morra L.*, Pagano L., Iovieno P., **Baldantoni D.**, Alfani A. (2010). Soil and vegetable crop response to addition of different levels of municipal waste compost under Mediterranean greenhouse conditions. *Agronomy for Sustainable Development*, 30: 701-709; DOI: 10.1051/agro/2009046

12. Marchetti M., Tognetti R.*, Lombardi F., Chiavetta U., Palumbo G., Sellitto M., Colombo C., Iovieno P., Alfani A., **Baldantoni D.**, Barbati A., Ferrari B., Bonacquisti S., Capotorti G., Copiz R., Blasi C. (2010). Ecological portrayal of old-growth forests and persistent woodlands in the Cilento and Vallo di Diano National Park (southern Italy). *Plant Biosystems*, 144 (1): 130-147; DOI: 10.1080/11263500903560470
13. Tosco A., Monti M.C., Fontanella B., Montefusco S., D'Andrea L., Ziacco B., **Baldantoni D.**, Rio M.-C., Marzullo L.* (2010). Copper binds the carboxy-terminus of trefoil protein 1 (TFF1), favoring its homodimerization and motogenic activity. *Cellular and Molecular Life Sciences*, 67: 1943-1955; DOI: 10.1007/s00018-010-0309-7
14. **Baldantoni D.***, De Nicola F., Alfani A. (2010). Can compost applications affect metal and PAH contents in Mediterranean agricultural soils? *Fresenius Environmental Bulletin*, 19 (8b): 1735-1740.
15. **Baldantoni D.***, Leone A., Iovieno P., Morra L., Zaccardelli M., Alfani A. (2010). Total and available soil trace element concentrations in two Mediterranean agricultural systems treated with municipal waste compost or conventional mineral fertilizers. *Chemosphere*, 80: 1006-1013; DOI: 10.1016/j.chemosphere.2010.05.033
16. **Baldantoni D.***, Cicitelli A., Castiglione S. (2011). Genetic biodiversity of maize and sunflower commercial cultivars, and their phytoextraction capability of a multi-metal artificially polluted soil. In: *Handbook of Phytoremediation*, I.A. Golubev (Ed.), Nova Science Publishers, Inc., New York (ISBN 978-1-61728-753-4); pp. 631-649.
17. **Baldantoni D.***, Fagnano M., Alfani A. (2011). Tropospheric ozone effects on chemical composition and decomposition rate of *Quercus ilex* L. leaves. *Science of the Total Environment*, 409: 979-984; DOI: 10.1016/j.scitotenv.2010.11.022
18. **Baldantoni D.**, Bellino A., Cicitelli A., Castiglione S.* (2011). Artificial mycorrhization does not influence the effects of iron availability on Fe, Zn, Cu, Pb and Cd accumulation in leaves of a heavy metal tolerant white poplar clone. *Plant Biosystems*, 145 (1): 236-240; DOI: 10.1080/11263504.2010.509941
19. De Nicola F., Murena F., Costagliola M.A.*, Alfani A., **Baldantoni D.**, Prati M.V., Sessa L., Spagnuolo V., Giordano S. (2013). A multi-approach monitoring of particulate matter, metals and PAHs in an urban street canyon. *Environmental Science and Pollution Research*, 20: 4969-4979; DOI: 10.1007/s11356-012-1456-1
20. De Nicola F., Spagnuolo V.*, **Baldantoni D.**, Sessa L., Alfani A., Bargagli R., Monaci F., Terracciano S., Giordano S. (2013). Improved biomonitoring of airborne contaminants by combined use of holm oak leaves and epiphytic moss. *Chemosphere*, 92: 1224-1230; DOI: 10.1016/j.chemosphere.2013.04.050
21. Rota E.*, Caruso T., Monaci F., **Baldantoni D.**, De Nicola F., Iovieno P., Bargagli R. (2013). Effects of soil pollutants, biogeochemistry and microbiology on the distribution and composition of enchytraeid communities in urban and suburban holm oak stands. *Environmental Pollution*, 179: 268-276; DOI: 10.1016/j.envpol.2013.04.026
22. **Baldantoni D.***, Bellino A., Manes F., Alfani A. (2013). Ozone fumigation of *Quercus ilex* L. slows down leaf litter decomposition with no detectable change in leaf composition. *Annals of Forest Science*, 70: 571-578; DOI: 10.1007/s13595-013-0297-5
23. Maisto G., **Baldantoni D.***, De Marco A., Alfani A., Virzo De Santo A. (2013). Ranges of nutrient concentrations in *Quercus ilex* leaves at natural and urban sites. *Journal of Plant Nutrition and Soil Science*, 176: 801-808; DOI: 10.1002/jpln.201200355
24. Lingua G., Todeschini V., Grimaldi M., **Baldantoni D.**, Proto A., Cicitelli A., Biondi S., Torrigiani P., Castiglione S.* (2014). Polyaspartate, a biodegradable chelant that improves the phytoremediation potential of poplar in a highly metal-contaminated agricultural soil. *Journal of Environmental Management*, 132: 9-15; DOI: 10.1016/j.jenvman.2013.10.015

25. **Baldantoni D.**, De Nicola F.*, Alfani A. (2014). Air biomonitoring of heavy metals and polycyclic aromatic hydrocarbons near a cement plant. *Atmospheric Pollution Research*, 5: 262-269; DOI: 10.5094/APR.2014.032
26. Bellino A.*, Alfani A., Selosse M.-A., Guerrieri R., Borghetti M., **Baldantoni D.*** (2014). Nutritional regulation in mixotrophic plants: new insights from *Limodorum abortivum*. *Oecologia*, 175: 875-885; DOI: 10.1007/s00442-014-2940-8
27. De Nicola F.*, **Baldantoni D.**, Alfani A. (2014). PAHs in decaying *Quercus ilex* leaf litter: mutual effects on litter decomposition and PAH dynamics. *Chemosphere*, 114: 35-39; DOI: 10.1016/j.chemosphere.2014.03.115
28. Ciatelli A., **Baldantoni D.**, Iovieno P., Carotenuto M., Alfani A., De Feis I., Castiglione S.* (2014). Genetically biodiverse potato cultivars grown on a suitable agricultural soil under compost amendment or mineral fertilization: yield, quality, genetic and epigenetic variations, soil properties. *Science of the Total Environment*, 493: 1025-1035; DOI: 10.1016/j.scitotenv.2014.05.122
29. Polishchuk E.V., Concilli M., Iacobacci S., Chesi G., Pastore N., Piccolo P., Paladino S., **Baldantoni D.**, van IJzendoorn S.C.D., Chan J., Chang C.J., Amoresano A., Pane F., Pucci P., Tarallo A., Parenti G., Brunetti-Pierri N., Settembre C., Ballabio A., Polishchuk R.S.* (2014). Wilson disease protein ATP7B utilizes lysosomal exocytosis to maintain copper homeostasis. *Developmental Cell*, 29: 1-15; DOI: 10.1016/j.devcel.2014.04.033
30. **Baldantoni D.**, Ciatelli A., Bellino A., Castiglione S.* (2014). Different behaviours in phytoremediation capacity of two heavy metal tolerant poplar clones in relation to iron and other trace elements. *Journal of Environmental Management*, 146: 94-99; DOI: 10.1016/j.jenvman.2014.07.045
31. Spagnuolo V., De Nicola F.*, Terracciano S., Bargagli R., **Baldantoni D.**, Monaci F., Alfani A., Giordano S. (2014). Persistent pollutants and the patchiness of urban green areas as drivers of genetic richness in the epiphytic moss *Leptodon smithii*. *Journal of Environmental Sciences*, 26: 2493-2499; DOI: 10.1016/j.jes.2014.06.036
32. Vitale M.*, Savi F., **Baldantoni D.**, Attorre F. (2014). Modeling of early stage litter decomposition in Mediterranean mixed forests: functional aspects affected by local climate. *iForest*, 8: 517-525; DOI: 10.3832/ifor1202-007
33. Esposito R., Montefusco S., Ferro P., Monti M.C., **Baldantoni D.**, Tosco A.*, Marzullo L. (2015). Trefoil Factor 1 is involved in gastric cell copper homeostasis. *The International Journal of Biochemistry & Cell Biology*, 59: 30-40; DOI: 10.1016/j.biocel.2014.11.014
34. Bellino A., **Baldantoni D.***, De Nicola F., Iovieno P., Zaccardelli M., Alfani A. (2015). Compost amendments in agricultural ecosystems: confirmatory path analysis to clarify the effects on soil chemical and biological properties. *Journal of Agricultural Science*, 153: 282-295; DOI: 10.1017/S0021859614000033
35. De Nicola F., **Baldantoni D.***, Sessa L., Monaci F., Bargagli R., Alfani A. (2015). Distribution of heavy metals and polycyclic aromatic hydrocarbons in holm oak plant-soil system evaluated along urbanization gradients. *Chemosphere*, 134: 91-97; DOI: 10.1016/j.chemosphere.2015.03.069
36. **Baldantoni D.**, Bellino A.*, Morra L., Alfani A. (2015). Compost amendment enhances natural revegetation of a Mediterranean degraded agricultural soil. *Environmental Management*, 56: 946-956; DOI: 10.1007/s00267-015-0539-4
37. Bellino A.*, Bellino L., **Baldantoni D.**, Saracino A. (2015). Evolution, ecology and systematics of *Soldanella* (Primulaceae) in the southern Apennines (Italy). *BMC Evolutionary Biology*, 15: 158-173; DOI: 10.1186/s12862-015-0433-y
38. Bellino A., Colombo C., Iovieno P., Alfani A., Palumbo G., **Baldantoni D.*** (2015). Chemometric technique performances in predicting forest soil chemical and biological properties from UV-Vis-NIR reflectance spectra with small, high dimensional datasets. *iForest*, 9: 101-108; DOI: 10.3832/ifor1495-008

39. **Baldantoni D.***, Morra L., Zaccardelli M., Alfani A. (2016). Cadmium accumulation in leaves of leafy vegetables. *Ecotoxicology and Environmental Safety*, 123: 89-94; DOI: 10.1016/j.ecoenv.2015.05.019
40. Lofrano G., Carotenuto M., Libralato G.*, Domingos R.F., Markus A., Dini L., Gautam R.K., **Baldantoni D.**, Rossi M., Sharma S.K., Chattopadhyaya M.C., Giugni M., Meric S. (2016). Polymer functionalized nanocomposites for metals removal from water and wastewater: an overview. *Water Research*, 92: 22-37; DOI: 10.1016/j.watres.2016.01.033
41. Catalano I., Santitoro A., Mingo A., **Baldantoni D.**, Alfani A., Aprile G.G.* (2016). Different effects of rain and artificial watering on element zonation patterns in lichen thalli and bark: A study on *Physcia biziana* (Massal.) Zahlbr. v. *leptophylla* Vězda. *Plant Biosystems*, 150 (3): 564-572; DOI: 10.1080/11263504.2014.988192
42. **Baldantoni D.***, Alfani A. (2016). Usefulness of different vascular plant species for passive biomonitoring of Mediterranean rivers. *Environmental Science and Pollution Research*, 23: 13907-13917; DOI: 10.1007/s11356-016-6592-6
43. **Baldantoni D.**, Bellino A.*, Alfani A. (2016). Soil compost amendment enhances tomato (*Solanum lycopersicum* L.) quality. *Journal of the Science of Food and Agriculture*, 96: 4082-4088; DOI: 10.1002/jsfa.7608
44. **Baldantoni D.***, Morra L., Saviello G., Alfani A. (2016). Nutrient and toxic element soil concentrations during repeated mineral and compost fertilization treatments in a Mediterranean agricultural soil. *Environmental Science and Pollution Research*, 23: 25169-25179; DOI: 10.1007/s11356-016-7748-0
45. De Nicola F., **Baldantoni D.***, Maisto G., Alfani A. (2017). Heavy metal and polycyclic aromatic hydrocarbon concentrations in *Quercus ilex* L. leaves fit an a priori subdivision in site typologies based on human management. *Environmental Science and Pollution Research*, 24: 11911-11918; DOI: 10.1007/s11356-015-5890-8
46. **Baldantoni D.**, Morelli R., Bellino A., Prati M.V., Alfani A., De Nicola F.* (2017). Anthracene and benzo(a)pyrene degradation in soil is favoured by compost amendment: perspectives for a bioremediation approach. *Journal of Hazardous Materials*, 339: 395-400; DOI: 10.1016/j.jhazmat.2017.06.043
47. Milano V.*, Cortet J., **Baldantoni D.**, Bellino A., Dubs F., Nahmani J., Strumia S., Maisto G. (2017). Collembolan biodiversity in Mediterranean urban parks: impact of history, urbanization, management and soil characteristics. *Applied Soil Ecology*, 119: 428-437; DOI: 10.1016/j.apsoil.2017.03.022
48. Memoli V., De Marco A., **Baldantoni D.**, De Nicola F., Maisto G. (2017). Short- and long-term effects of a single application of two organic amendments. *Ecosphere*, 8 (11): e02009; DOI: 10.1002/ecs2.2009
49. Bellino A., Lofrano G., Carotenuto M., Libralato G., **Baldantoni D.*** (2018). Antibiotic effects on seed germination and root development of tomato (*Solanum lycopersicum* L.). *Ecotoxicology and Environmental Safety*, 148: 135-141; DOI: 10.1016/j.ecoenv.2017.10.006
50. **Baldantoni D.**, Bellino A.*, Lofrano G., Libralato G., Pucci L., Carotenuto M. (2018). Biomonitoring of nutrient and toxic element concentrations in the Sarno River through aquatic plants. *Ecotoxicology and Environmental Safety*, 148: 520-527; DOI: 10.1016/j.ecoenv.2017.10.063
51. Milano V.*, Maisto G., **Baldantoni D.**, Bellino A., Bernard C., Croce A., Dubs F., Strumia S., Cortet J. (2018). The effect of urban park landscapes on soil Collembola diversity: a Mediterranean case study. *Landscape and Urban Planning*, 180: 135-147; DOI: 10.1016/j.landurbplan.2018.08.008
52. **Baldantoni D.***, Saviello G., Alfani A. (in press). Nutrients and non-essential elements in edible crops following long-term mineral and compost fertilization of a Mediterranean agricultural soil. *Environmental Science and Pollution Research*; DOI: 10.1007/s11356-018-3353-8

53. Bellino A., Mangano M.C., **Baldantoni D.***, Russell B.D., Mannino A.M., Mazzola A., Vizzini S., Sarà G.* (in press). Seasonal patterns of biodiversity in Mediterranean coastal lagoons. *Diversity and Distributions*; DOI: 10.1111/ddi.12942
54. Adesso R., Bellino A.*, D'Angeli I.M., De Waele J., Miller A.Z., Carbone C., **Baldantoni D.** (in press). Vermiculations from karst caves: the case of Pertosa-Auletta system (Italy). *Catena*; DOI: 10.1016/j.catena.2019.1041
55. D'Angeli I.M., Ghezzi D., Leuko S., Firrinceli A., Parise M., Fiorucci A., Vigna B., Adesso R., **Baldantoni D.**, Carbone C., Miller A.Z., Jurado V., Saiz-Jimenez C., De Waele J., Cappelletti M.* (in press). Geomicrobiology of a seawater-influenced active sulfuric acid cave. *PLOS ONE*.