

DANIELA BALDANTONI

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EDUCATION

1997 Master Degree (110/110 *cum laude*) in Biological Sciences, University of Naples, IT

2002 Ph.D. in Terrestrial Ecology (Plants and Soil), University of Naples, IT

CAREER

1998 6-month scholarship, University of Naples, IT

2002 6-month research contract, University of Naples, IT

2003 6-month research project, Istituto Sperimentale per le Colture Industriali, Battipaglia (SA), IT

2003 4-month research contract, University of Naples, IT

2004 40-day research contract, University of Naples, IT

2004 2-month research contract, University of Salerno, IT

2004 45-day research contract, University of Naples, IT

2005 Research contract, Risorsa srl, Naples, IT

2005-2018 Assistant Professor of Ecology, University of Salerno, IT

2017 4-month teaching contract for the “Esperto in legalità agro-ambientale” course at the Consorzio Osservatorio dell’Appennino Meridionale, University of Salerno, IT

2019 4-month teaching contract for the “Esperto in legalità agro-ambientale” course at the Consorzio Osservatorio dell’Appennino Meridionale, University of Salerno, IT

2006-present Head Lab of Ecology, University of Salerno, IT

2018-present Associate Professor of Ecology, University of Salerno, IT

HIGHER EDUCATION TEACHING

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”, University of Naples, IT

2003/2004 - 2017/2018 Course of “Applied ecology” (52 hours) for the Degree Course in “Environmental Assessment and Management”, University of Salerno, IT

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 “Environmental Assessment and Management”, University of Salerno, IT

2006/2007 Course of “Applied ecology” for the Master of First Level “Environmental Assessment and Management: the Waste Cycle”, University of Salerno, IT

2007/2008 Course of “Botany” (12 hours) for the Degree Course in “Biological Sciences”, University of Salerno, IT

2006/2007 - 2008/2009 Course of “Laboratory of environment and health education” (28 hours) for the School of Specialization for Enabling Teaching in Secondary Schools, University of Salerno, IT

2008/2009 Course of “Biomonitoring” (20 hours) for the Master of First Level “European Master of Landscape. Protection, Management and Planning of the Landscape”, University of Salerno, IT

2008/2009 Course of “Landscape ecology” (10 hours) for the Master of First Level “European Master of Landscape. Protection, Management and Planning of the Landscape”, University of Salerno, IT

2011/2012 Course of “Analysis of ecological systems” (12 hours) for the Master Degree in “Environmental Sciences”, University of Salerno, IT

2011/2012 - 2014/2015 Course of “Integrated laboratory of environmental analysis” (24 hours) for the Master Degree in “Environmental Sciences”, University of Salerno, IT

2013/2014 - 2014/2015 Course of “Ecology” (18 hours) for the Enabling Special Courses, University of Salerno, IT

2017/2018 - 2019/2020 Course of “Analysis of ecological systems” (56 hours) for the Master Degree in

“Environmental Sciences”, University of Salerno, IT
2018/2019 - 2021/2022 Course of “Ecology” (64 hours in 2018/2019 and 2019/2020; 116 hours in 2020/2021 and 2021/2022) for the Degree Courses in “Environmental Sciences” and “Biological Sciences”, University of Salerno, IT

RESEARCH PROJECT COORDINATION

2013 “Microbial community, crop production and natural revegetation in compost amended soils”; FARB University of Salerno, IT - € 8.344,62
2014 “Biomonitoring of air contamination gradients in Salerno”; FARB University of Salerno, IT - € 8.479,15
2015 “PAH degradation in contaminated soils”; FARB University of Salerno, IT - € 8.121,82
2016 “Photosynthesis ecophysiology of mixotrophic plants”; FARB University of Salerno, IT - € 8.383,72
2017 “Integrated monitoring of river systems of Campania”; FARB University of Salerno, IT - € 4.274,50
2018 “Chemical fractionation of potentially toxic elements in river sediments”; FARB University of Salerno, IT - € 4.180,49
2015-2019 “Monitoring of Calore Salernitano and Bussento rivers in the area of the ‘Cilento, Vallo di Diano e Alburni’ National Park”; ‘Cilento, Vallo di Diano e Alburni’ National Park - € 40.000,00
2019 “Ecological approach to the study of an underground karst system”; FARB University of Salerno, IT - € 4.079,88
2020 “Eco-friendly strategies to lampenflora controlling in underground ecosystems subject to tourist use”; FARB University of Salerno, IT - € 4.011,78
2019-2021 “Local criticalities in the river systems of Bussento and Calore Salernitano: anthropogenic activities and natural processes”; ‘Cilento, Vallo di Diano e Alburni’ National Park, IT - € 38.400,00
2021-2023 “Monitoring the use of synthetic pesticides in the area of the ‘Cilento, Vallo di Diano e Alburni’ National Park”; ‘Cilento, Vallo di Diano e Alburni’ National Park, IT - € 60.000,00

INSTITUTIONAL RESPONSIBILITIES

2008-2009 Member of the Academic Board of the Ph.D. in “Applied Biology”, University of Naples, IT
2009-2013 Member of the Academic Board of the Ph.D. in “Systems Biology”, University of Salerno, IT
2013-2014 and 2017/2018 Member of the Academic Board of the Ph.D. in “Chemistry”, University of Salerno, IT
2008-2021 Member of 4 Committees for Research Grants, 10 Committees for Fellowships, 5 Committees for Autonomous and Occasional Jobs, 8 Committees for Teaching Activities, 1 Committee for Tutoring Grants, 5 Committees for Ph.D., University of Salerno, University of Naples and University of Venice, IT
2017-2020 Member of the Committee “Research and ANVUR” for the Department of Chemistry and Biology “Adolfo Zambelli”, University of Salerno, IT
2017-2020 Member of the Committee “Research Fellowships-Scholarships-Ph.D.” for the Department of Chemistry and Biology “Adolfo Zambelli”, University of Salerno, IT
2010-present Director of the Ecology experiences for the “Piano Lauree Scientifiche” for students and teachers of high schools, University of Salerno, IT
2012-present Member of the Committees of “Incoming Guidance” for the Degree Course in Environmental Assessment and Management and for the Master Degree in Environmental Sciences, University of Salerno, IT
2012-present Member of the Committees of Evaluation for the Degree Course in Environmental Assessment and Management and for the Master Degree in Environmental Sciences, University of Salerno, IT
2018-present Co-Representative of the “Piano Lauree Scientifiche” for the Degree Course in Environmental Sciences, University of Salerno, IT
2019-present Member of the Academic Board of the Ph.D. in “Chemical, Biological and Environmental Sciences”, University of Salerno, IT
2019-present Member of the Committee “Teaching” for the Degree Course and the Master Degree in

Environmental Sciences, University of Salerno, IT

2020-present Member of the Committee “Outcoming Guidance” for the Department of Chemistry and Biology “Adolfo Zambelli”, University of Salerno, IT

EDITORIAL ACTIVITY

- 2005-present Reviewer of 73 scientific manuscripts for the following journals: Acta Ecologica Sinica (1); Agriculture, Ecosystems and Environment (1); Aquatic Botany (6); Atmospheric Pollution Research (1); CATENA (1); Chemosphere (6); Ecotoxicology (2); Ecotoxicology and Environmental Safety (4); Environmental Earth Sciences (1); Environmental Pollution (1); Environmental Science and Pollution Research (6); Fresenius Environmental Bulletin (1); Frontiers in Plant Science (1); Geoderma (3); iForest (1); International Journal of Environmental and Waste Management (1); International Journal of Environmental Research (1); International Journal of Phytoremediation (2); Journal of Environmental Accounting and Management (1); Journal of Environmental Management (2); Journal of Environmental Quality (2); Journal of Geochemical Exploration (1); Journal of Hazardous Materials (3); Journal of Plant Nutrition and Soil Science (3); Journal of Soils and Sediments (1); Land (1); Land Degradation & Development (1); Pedosphere (1); Plant and Soil (2); Plant Biosystems (3); PLOS ONE (1); Research in Ecology (2); Science of the Total Environment (8); Water, Air, & Soil Pollution (1)
- 2014-2015 Italian translator of the chapters “Conservation Biology” and “Landscape Ecology and Ecosystem Management” of the textbook “Ecology” (3rd edition); M.L. Cain, W.D. Bowman and S.D. Hacker (Eds.), Oxford University Press
- 2017 Reviewer of the textbook “Introduzione all’ecologia applicata. Dalla teoria alla pratica della sostenibilità” (1st edition); S. Galassi, I. Ferrari and P. Viaroli (Eds.), CittàStudi Edizioni
- 2019-present Editorial Board Member of “Research in Ecology”, Bilingual Publishing Co. (<http://ojs.bilpublishing.com/index.php/re/about/editorialTeam>)
- 2019-present Co-Editor of “iForest - Biogeosciences and Forestry”, Italian Society of Silviculture and Forest Ecology (<https://iforest.sisef.org/static/?id=board>)
- 2019-present Editorial Board Member of “Sustainability”, MDPI (<https://www.mdpi.com/journal/sustainability/editors>)
- 2020-present Editorial Board Member of “Earth”, MDPI (<https://www.mdpi.com/journal/earth/editors>)
- 2021-present Guest Editor for the Special Issue “Toward a Next-Generation Biomonitoring of Ecological Systems in the Framework of Sustainability” of “Sustainability”, MDPI (https://www.mdpi.com/journal/sustainability/special_issues/biomonitoring_ecology).

EXPERT REGISTER ENROLLMENTS

2018-present Register of Expert Peer Reviewers for Italian Scientific Evaluation (REPRISE) for the section “Basic research”

ANVUR REVIEWER

VQR 2011-2014 (https://www.anvur.it/wp-content/uploads/2019/03/Elenco_nominativo_revisori_VQR2011-2014.pdf)

VQR 2015-2019

REVIEWER FOR RESEARCH PROJECTS

- 2015 ARIMNet2 (Coordination of Agricultural Research in the Mediterranean Area), 2014-2015 (1)
- 2019 REFIN (Research for Innovation), POR Puglia 2014/2020 - Asse X - Azione 10.4. - Avviso pubblico n. 2/FSE/2019 (4)
- 2019 FONDECYT (National Fund for Scientific and Technological Development), National Commission for Scientific and Technological Research (CONICYT), Chile 2020 (1)
- 2020 FISR (Fondo Integrativo Speciale per la Ricerca), D.D. 562 del 5 Maggio 2020 (7)

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/>

PUBLICATIONS

From 1997 to present, author of 67 papers published on ISI journals and of 1 chapter of a book for an international audience; 21 of them as first author, 10 of them as senior author and 27 of them as corresponding author. Overall, according to Scopus, the scientific production is characterized by 1609 citations and by an h-index value equal to 19 (19 August 2021). Moreover, author of 71 contributions to national congresses, of 36 contributions to international congresses and of 4 popular scientific publications.

Below the list of major publications (*: 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., Ziaco B., **Baldantoni D.**, Rio M.-C., Marzullo L.* (2010). Copper binds the carboxy-terminus of trefoil protein 1 (TFF1), favoring its homodimerization and mitogenic 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.***, Cicatelli 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., Cicatelli 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., Cicatelli 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. Cicatelli 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 IJendoorn 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.**, Cicatelli 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/ifer1202-007
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/ifer1495-008
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. D'Angeli I.M., Ghezzi D., Leuko S., Firrincieli 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.* (2019). Geomicrobiology of a seawater-influenced active sulfuric acid cave. *PLoS ONE*, 14 (8): e0220706; DOI: 10.1371/journal.pone.0220706
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