

Procedura valutativa ai sensi dell'art. 24, commi 5 e 6, della Legge n. 240/2010 per la copertura di n. 1 posto di Professore Universitario di seconda fascia per il Settore concorsuale 05/A1 – Settore scientifico disciplinare BIO/03 presso il Dipartimento di Biologia Ambientale – Facoltà di Scienze Matematiche, Fisiche e Naturali, **Decreto Rettore Università di Roma “La Sapienza” n. 67/2019 del 11.01.2019. Codice Concorso 2018PAR046**

LAURA VARONE
Curriculum Vitae

Part I – Personal Data

Part II – General Information

Laura Varone in 2002 has been awarded the Degree in Biology from Sapienza University of Rome, in 2007 she has been awarded the PhD in Ecological Sciences from Sapienza University of Rome. Since December 2011, she is a permanent Researcher at the Department of Environmental Biology, Sapienza University of Rome, carrying out research in the field of the plant ecophysiology. Specifically, her research focuses on plant functional responses to environmental factor variations by using a trait-based approach. From 2003 to 2011, prior to having a permanent position, she had several research fellowships at the Department of Environmental Biology (*formerly Department of Plant Biology*), Sapienza University of Rome, in the fields of plant biomonitoring, plant phenology, *ex situ* and *in situ* conservation strategies, ecophysiology of plant species at extinction risk and adaptive strategies of dune species. **In January 2014 she has been awarded the Italian Scientific Qualification (Abilitazione Scientifica Nazionale, in accordance with article No 6 Law 240/2010) as associate professor in the sector 05/A1 (Botany, valid until 28/01/2020).**

Part III – Education and Training

IIIA – Education

2007: PhD in Ecological Science at Department of Environmental Biology (*formerly Department of Plant Biology*), Sapienza University of Rome (Dissertation: Adaptive strategies of Mediterranean evergreen shrubs species).

2002: State Examination at Sapienza University of Rome as a Qualified Biologist

2002: Biology Degree (*Bio-Ecological Curriculum*) at Sapienza University of Rome (Dissertation: Structure and function relationship of Mediterranean evergreen maquis species: an approach to the functional group definition).

IIIB – Training

June 2009: she attended the theoretical and practical Course “*Methods of Plant Stress Physiology*” at Institute of Botany (University of Innsbruck, Austria).

June 2007: she attended the theoretical and practical Course: “*Germoplasm ex situ conservation and management*” at Sardinian Germplasm Bank - Centre for Biodiversity Conservation (Department of Life and Environmental Sciences, *formerly Department of Botanical Sciences*, University of Cagliari, Italy).

October 2006: she attended the Summer School “*Microscopy techniques as analytical tools in plant cell and tissue*” organised by the Italian Botany Society.

Part IV– Appointments

IVA – Academic Appointments as Elected Member

December 2015 – today: member of the Department of Environmental Biology Board, Sapienza University of Rome.

December 2015 – today: member of the Science Faculty Board, Sapienza University of Rome.

IVB – Academic Appointments as Nominated Member

2018 – today: member of the Commission for Research at Department of Environmental Biology, Sapienza University of Rome.

2018 – today: member of the Quality Assurance (QA) management group for the Single Cycle Degree in Primary Teacher Education, Sapienza University of Rome.

2017 – today: substitute member of the Disciplinary Board, Sapienza University of Rome.

2016: member of the University Commission for Scientific Research, Sapienza University of Rome.

Part V – Teaching Experience

VA – Course Ownership

Academic year 2018/2019: Course of “Ecology and Environmental Botany” (SSD BIO/03, 6 c.f.u., 48h) for the Bachelor Degree in Landscape and Environmental Planning and Design (Inter-University Course, Sapienza University of Rome – Tuscia University).

Academic years 2018/2019 and 2017/2018: Course of “Landscape Ecology and valorization of agro-food products” (SSD BIO/03, 6 c.f.u., 48h) for the Master Degree in Food Science and Technology (Inter-University Course, Sapienza University of Rome – Tuscia University).

Academic year 2016/2017: Course of Landscape Ecology and valorization of agro-food products (SSD BIO/03, 6 c.f.u., 48h) for the Master Degree in Science and Technology for quality and valorization of the agro-food products (Sapienza University of Rome).

Academic years 2018/2019, 2017/2018 and 2016/2017: Laboratory of Botany and Plant Diversity (SSD BIO/01, 1 c.f.u., 12h) for the Degree Course in Biology (Sapienza University of Rome).

Academic year 2014/2015: Course of Plant and Environmental Biology (SSD BIO/03, 3 c.f.u., 24h) for TFA course, Teaching Class A060 (Sapienza University of Rome).

Academic year 2010/ 2011: Course of Environmental and Applied Botany (SSD BIO/03, 3 c.f.u., 24h) for the Degree Course in Techniques for Landscape Design and Gardens (Sapienza University of Rome).

VB – Supplementary Teaching Activities

2017 – today: Teaching activity in Plant Biology for school work (Alternanza Scuola Lavoro, project LAB2GO, Faculty of Science, Sapienza University of Rome).

2012 – today: Supplementary activity support to the CdS of Bachelor Degree in Biology (supplementary teaching support, member of the Degree Commissions, Test to access to Bachelor Degree in Biology).

2013 – 2015: Member of the PhD graduate School in Environmental and Evolutionary Biology (Department of Environmental Biology, Sapienza University of Rome).

Part VI – Training or Research Activities at Qualified Italian or Foreign Institutes

September – October 2016: Visiting Professor at the Federal University of Mato Grosso (Brazil) teaching “Methods of biomonitoring of air pollution as from plants” (75h) for the Master Degree Course in Geography at Postgraduate Program in Geography of University Federal of Mato Grosso, Campus of Rondonópolis.

March – December 2009: PhD visitor at the Institute of Botany, University of Innsbruck, Austria (collaboration with Prof. Walter Larcher to carry out experiments on photochemical efficiency, stress tests to high and low temperatures, cuticular transpiration, use of “electrolyte leakage” techniques to study cellular membrane functioning under stress conditions).

May – June 2006: PhD visiting student at Department of Biology, University of the Balearic Islands, Spain (collaboration with Prof. Jaume Flexas and Prof. Miquel Ribas – Carbó to carry out experiments on the use of oxygen isotope fractionation technique to investigate cell plant respiration).

Part VII - Funding Information

2017: Funding for Basic Activities Related to Research in accordance with Law no. 232/2016 (Financing: Ministry of Education, Universities and Research).

2015: Work Package Coordinator of the project “BioDiverCity: the influence of drivers and alien species on the biodiversity of urban environments” (Financing: Sapienza University, Scientific Research 2015).

2014: Work Package Coordinator of the project “Forest fires under climate and land use changes: learning from the past to inform the future” (Financing: Sapienza University, Scientific Research 2014).

2013: Principal Investigator and Scientific Responsible of a Temporary Fellow Research for the project “Carbon sequestration capability of the Mediterranean coastal habitats: past, present and future perspectives” (Financing: Sapienza University, Scientific Research 2013).

2003 – 2017: Researcher Unit’s member in 16 research projects on plant carbon sequestration capacity, ecophysiology of dune species, tolerance threshold to stress factors of Mediterranean plant species, *ex situ* and *in situ* plant conservation, biomonitoring by plants (Financing: Sapienza University, Accademia Nazionale delle Scienze Detta dei XL, Regional Park Agency, Ministry of Education, Universities and Research (MIUR), Ministry of Agricultural, Food and Forestry Policies (MIPAF).

Part VIII - Editorial Services

2011 – 2017: Member of the Editorial Board of the Journal “Dataset Papers in Science” (ISSN: 2314-8497 online) DOI: 10.1155/2929, Hindawi Publishing Corporation).

2011 – to date: Reviewer service (<https://publons.com/author/1202507/laura-varone#profile>) for: Acta Oecologica, Tree Physiology, Physiologia Plantarum, International Journal of Biometeorology, Open Life Sciences (formerly Central European Journal of Biology), Journal of the Ecology and the Natural Environment, New Forests, Annals of Botany, Plant Biosystems, Flora, Plant Biology, Plant Growth Regulation, Agricultural and Forest Meteorology, Journal of Plant Physiology, Oikos, Journal of Environmental and Experimental Botany, Journal of Forest Research.

Part IX – Research Activities

Brief Description	Key words
Ecophysiology of Mediterranean plant species: this research activity deals with using functional traits as proxy of Mediterranean plant response to environmental changes including biotic and abiotic stresses. Specifically, the focus is on morphological and physiological plant traits related to functional processes such as photosynthesis, respiration, germination, growth and water use. The objective is to highlight the different adaptative plant strategies	Chlorophyll fluorescence (<i>direct and modulated fluorescence</i>); gas exchange (<i>net photosynthesis; stomatal conductance; leaf transpiration; leaf respiration</i>); leaf anatomy; leaf morphology (<i>morphological leaf index such as LMA and SLA</i>) leaf water status (<i>leaf water potential, relative water content</i>); plant functional trait

allowing to cope with more and more intense stress factors, particularly drought stress.	covariation; photosynthetic pigment content.
Phenotypic plasticity: this research activity deals with analyzing different phenotypic expression of the functional traits at a population level in relationship to environmental characteristics by using a trait-based approach. The objective is to quantify the species plasticity extent and therefore analyze the species capacity to adapt to new environmental conditions due to climate change.	Acclimatation; adaptation; ecotypes; growth analysis; interspecific variation; local adaptation; leaf phenology; plant functional trait covariation; plasticity indexes; intraspecific variation.
Biomonitoring in urban areas: this research activity deals with analyzing the impact of urban pollution on plant species as well as the role of plant species in improving air quality and microclimatic conditions and reducing the atmospheric CO ₂ level. The objective is to expand knowledge on plant functioning in urban areas in order to improve strategies, which can maximize the ecological role of the urban vegetation and then management practices to more fully realize the benefits of the services that urban plants can provide.	Leaf metal concentration; plant CO ₂ sequestration; pollution bioindicators in urban areas.
Structural forest analysis: this research activity deals with analyzing structural traits in forest ecosystems in order to monitor their functional state in relationship to different development stage, resource availability and to stress intensity. In fact, structural traits affect the main ecosystem processes such as biomass accumulation, rain interception, evapo-transpiration, photosynthesis, respiration, and soil organic matter input. The objective is to make quantitative analysis of many physical and biological processes related to vegetation dynamics in order to establish the tolerance threshold of the ecosystem forest to perturbations and then provide useful information for sustainable management particularly in Natural Protected Areas.	Carbon sequestration and storage; crown volume; leaf area density (LAD); leaf area index (LAI); plant biomass and productivity; plant density; plant height; plant total basal area; reforestation; trunk diameter at 1.30 m

Part X– Summary of Scientific Achievements

Since the beginning of her academic activity (2004) Laura Varone has published **44** papers in ISI Journals, **6** papers in National and International Journals indexed and subjected to peer review, **3** Workshop proceedings, **3** papers on National Journals subjected to peer review and **5** chapters in books. She attended **28** International Congresses and **29** National Congresses (*see Parts XII and XIII of this CV*).

Author Orcid ID: orcid.org/0000-0002-9989-5283

DATABASE SCOPUS (last update 01/02/2019)

Total products	49 *
Total Citations	746
Average Citations per Product	15.2
Total Impact factor	66.074
Average IF per Product	1.35
Total products in the last 10 years (2008-2018)	39
Total number of citations in the last 10 years (2008-2018)	423
Hirsch (H) index	15
Hirsch (H) index in the last 10 years (2008-2018)	12
Hirsch (H) average index for publication	0.31
Normalized H index** (2004-2018)	1.07

* On 01/02/2019 Scopus web site was not updated with the publication n. 44 of the list showed in Part XII of this CV)

**H index divided by the academic seniority

Part XI– Selected Publications for the Evaluation

List of the 12 publications selected for the evaluation. For each publication, journal IF, number of citations and candidate's position (first, last or corresponding author) are showed. For each publication the journal IF refers to publication's year except for papers published in 2018 for which IF is referred to year 2017.

1. Gratani L., **Varone L.* 2014** “Atmospheric carbon dioxide concentration variations in Rome: relationship with traffic level and urban parks size”. *Urban Ecosystems*, 17: 501-511. DOI: 10.1007/s11252-013-0340-1.
*IF = 2.685; n. citations: 7; * last name.*
2. **Varone L.***, Gratani L. **2015** “Leaf respiration responsiveness to induced water stress in Mediterranean species”. *Environmental and Experimental Botany* 109: 141-150. DOI: 10.1016/j.envexpbot.2014.07.018.
*IF = 3.712; n. citations: 14; * first name and corresponding author.*
3. **Varone L.***, Vitale M., Catoni R., Gratani L. **2016** “Physiological differences of five Holm oak (*Quercus ilex* L.) ecotypes growing under common growth conditions were related to native local climate”. *Plant Species Biology* 31: 196-210. DOI: 10.1111/1442-1984.12103.
*IF = 1.250; n. citations: 6; * first name and corresponding author.*
4. Gratani L., Catoni R., **Varone L.* 2016** “Evergreen species response to Mediterranean climate stress factors”. *iForest - Biogeosciences and Forestry* 9: 946-953. DOI: 10.3832/ifor1848-009.
*IF = 1.623; n. citations: 2; * last name.*
5. Gratani L., **Varone L.**, Bonito A. **2016**. “Carbon sequestration of four urban parks in Rome”. *Urban Forestry & Urban Greening* 19: 184-193. DOI: 10.1016/j.ufug.2016.07.007.
IF = 2.113; n. citations: 11.

6. Puglielli G., **Varone L.**, Gratani L., Catoni R. **2017** “Specific leaf area variations drive acclimation of *Cistus salvifolius* in different light environments. *Photosynthetica* 55: 31-40. DOI: 10.1007/s11099-016-0235-5.
IF = 1.740; n. citations: 7.
7. **Varone L.***, Catoni R., Bonito A., Gini E., Gratani L. **2017**. Photochemical performance of *Carpobrotus edulis* in response to various substrate salt concentrations. *South African Journal of Botany* 111: 258–266. DOI:10.1016/j.sajb.2017.03.035.
*IF = 1.442; n. citations: 2; * first name and corresponding author.*
8. Puglielli G., Cuevas Román F.J., Catoni R., Moreno Rojas J.M., Gratani L., **Varone L*.** **2017**. Provenance effect on carbon assimilation, photochemistry and leaf morphology in Mediterranean *Cistus* species under chilling stress. *Plant Biology* 19: 660–670. DOI: 10.1111/plb.12574.
*IF = 2.156; n. citations: 6; * last name.*
9. Bonito A., Ricotta C., Iberite M., Gratani L., **Varone L.*** **2017**. CO₂ sequestration in two Mediterranean dune areas subjected to a different level of anthropogenic disturbance. *Estuarine, Coastal and Shelf Science* 196: 22–30. DOI: 10.1016/j.ecss.2017.06.040.
*IF = 2.413; n. citations: 0; * last name and corresponding author.*
10. Puglielli G., Catoni R. Spoletini A. **Varone L.**, Gratani L. **2017**. Short-term physiological plasticity: trade-off between drought and recovery responses in three Mediterranean *Cistus* species. *Ecology and Evolution* 7: 10880–10889. DOI: 10.1002/ece3.3484.
IF = 2.340; n. citations: 0.
11. Gratani L., **Varone L.***, Crescente M.F., Catoni R., Ricotta C., Puglielli G. **2018**. Leaf thickness and density drive the responsiveness of photosynthesis to air temperature in Mediterranean species according to their leaf habitus. *Journal of Arid Environments* 150: 9-14. DOI: 10.1016/j.jaridenv.2017.12.007.
*IF = 1.989 (2017); n. citations: 1; * Co-First name*
12. Puglielli G., **Varone L.***, **2018**. Inherent variation of functional traits in winter and summer leaves of Mediterranean seasonal dimorphic species: evidence of a ‘within leaf cohort’ spectrum. *AoB Plants* 10:3, article number: ply027. DOI: 10.1093/aobpla/ply027.
*IF = 2.821 (2017); n. citations: 2; * last name.*

Part XII – Total Publications since the Beginning of the Academic Activity (2004)

Part XIII – Publications on ISI Journals

For each publication, journal IF, number of citations and candidate's position (first, last or corresponding author) are showed. For each publication the journal IF refers to publication's year except for papers published in 2018 for which IF is referred to year 2017.

As concern the total number of the products on ISI journals, on 01/02/2019 (last update) Scopus web site was not updated with the publication n. 44.

1. Gratani L., **Varone L.* 2004** “Leaf key traits of *Erica arborea* L., *Erica multiflora* L. and *Rosmarinus officinalis* L. co-occurring in the Mediterranean maquis”. *Flora*, 199: 58-69. DOI: 10.1078/0367-2530-00130.
*IF 1.124; n. citations: 49; * last name.*
2. Gratani L., **Varone L.* 2004** “Adaptive photosynthetic strategies of the Mediterranean maquis species according to their origin.” *Photosynthetica*, 42: 551-558. DOI: 10.1007/S11099-005-0012-3.
*IF 0.734; n. citations: 69; * last name.*
3. Gratani L., **Varone L.* 2005** “Daily and seasonal variation of CO₂ in the city of Rome in relationship with the traffic volume”. *Atmospheric Environment*, 39: 2619-2624. DOI: 10.1016/j.atmosenv.2005.01.013.
*IF 2.724; n. citations: 73; * last name.*
4. Gratani L., **Varone L.* 2006** “Long – time variations in leaf mass area of Mediterranean evergreen broad - leaf and narrow - leaf maquis species”. *Photosynthetica*, 44: 161-168. DOI 10.1007/s11099-006-0001-1.
*IF 0.782; n. citations: 30; * last name.*
5. Gratani L., **Varone L.* 2007** “Plant crown traits and carbon sequestration capability by *Platanus hybrida* Brot. In Rome”. *Landscape and Urban Planning* 81: 282-286. DOI: 10.1016/j.landurbplan.2007.01.006.
*IF 1.633; n. citations: 24; * last name.*
6. **Varone L.***, Gratani L. **2007** “Physiological response of eight Mediterranean maquis species to low air temperatures during winter”. *Photosynthetica* 45: 385-391. DOI: 10.1007/s11099-007-0065-6.
IF 0.976; n. citations: 28; first name and corresponding author.
7. Gratani L., **Varone L.**, Bonito A. **2007** “Environmental induced variations in leaf dark respiration and net photosynthesis of *Quercus ilex* L.”. *Photosynthetica* 45: 633-636. DOI: 10.1007/s11099-007-0109-y.
IF 0.976; n. citations: 8.
8. Gratani L., Crescente M.F., **Varone L.**, Fabrini G., Digiulio E. **2008**. “Growth pattern and photosynthetic activity of different Bamboo species growing in the Botanical Garden of Rome”. *Flora* 203: 77-84. DOI: 10.1016/j.flora.2007.11.002.
IF 1.031; n. citations: 67.
9. Gratani L., Crescente M.F., Fabrini G., **Varone L. 2008** “Growth pattern of *Bidens cernua* L.: relationships between relative growth rate and its physiological and morphological components”. *Photosynthetica* 46: 179-184. DOI: 10.1007/s11099-008-0029-5.
*IF 1.000; n. citations: 10; * last name.*
10. Gratani L., Crescente M.F., **Varone L. 2008**. “Long term monitoring of metal pollution by urban trees”. *Atmospheric Environment* 42: 8273-8277. DOI: 10.1016/j.atmosenv.2008.07.032.

- IF 2.890; n. citations: 48; * *last name*.
11. Gratani L., **Varone L.**, Catoni R. **2008**. “Relationship between net photosynthesis and leaf respiration in Mediterranean evergreen species”. *Photosynthetica* 46: 567-573. DOI: 10.1007/s11099-008-0095-8.
IF 1.000; n. citations: 29.
 12. **Varone L.***, Gratani L. **2009**. “Leaf expansion in *Rhamnus alaternus* L. by leaf morphological, anatomical and physiological analysis”. *Trees Structure and Function* 23: 1255-1262. DOI: 10.1007/s00468-009-0365-5.
IF 1.603; n. citations: 6; first name and corresponding author.
 13. Gratani L., Crescente M.F., Fabrini G., Bonito A., **Varone L.*** **2009**. “Growth analysis of reestablished population versus natural population of *Bidens cernua* L.”. *Plant Biosystems* 143: 63-68. DOI: 10.1080/11263500903192175.
*IF 0.744; n. citations: 1; * last name.*
 14. Gratani L., **Varone L.**, Crescente M.F. **2009**. “Photosynthetic activity and water use efficiency of dune species: the influence of air temperature on functioning”. *Photosynthetica* 47: 575-585. DOI: 10.1007/s11099-009-0083-7.
IF 1.072; n. citations: 15.
 15. Gratani L., Catoni R., **Varone L.*** **2011**. “*Quercus ilex* L. carbon sequestration capability related to shrub size”. *Environmental Monitoring and Assessment* 178: 383-392. DOI: 10.1007/s10661-010-1697-8.
*IF 1.400; n. citations: 10; * last name.*
 16. Gratani L., Catoni R., **Varone L.***, **2011**. “Photosynthetic and leaf respiration activity of *Malcolmia littorea* (L.) R. Br in response to air temperature”. *Photosynthetica* 49: 65-74. DOI: 10.1007/s11099-011-0007-1.
*IF 1.000; n. citations: 8; * last name.*
 17. Bonito A., **Varone L.**, Gratani L., **2011** “Relationship between acorn size and seedling morphological and physiological traits of *Quercus ilex* L. from different climates”. *Photosynthetica* 49: 75-86. DOI: 10.1007/s11099-011-0014-2.
IF 1.000; n. citations: 14.
 18. **Varone L.***, Ribas-Carbo, M., Cardona C., Gallé A., Medrano H., Gratani L., Flexas J. **2012** “Stomatal and non-stomatal limitations to photosynthesis in seedlings and saplings of Mediterranean species pre-conditioned and aged in nurseries: Different response to water stress. *Environmental and Experimental Botany* 75: 235-247. DOI: 10.1016/j.envexpbot.2011.07.007.
*IF 2.578; n. citations: 40; * first name.*
 19. Gratani L., Catoni R., Pirone G., Frattaroli A., **Varone L.*** **2012** “Physiological and morphological leaf traits variations in two Apennine plant species in response to different altitude”. *Photosynthetica* 50: 15-23. DOI: 10.1007/s11099-012-0006-x.
*IF 0.862; n. citations: 12; * last name.*
 20. Catoni R., Gratani L., **Varone L.*** **2012** “Physiological, morphological and anatomical trait variations between winter and summer leaves of *Cistus* species”. *Flora* 207: 442-449. DOI: 10.1016/j.flora.2012.02.007.
*IF 1.716; n. citations: 22; * last name and corresponding author.*
 21. Gratani L., **Varone L.**, Ricotta C., Catoni R. **2013**. Mediterranean shrublands carbon sequestration: environmental and economic benefits. *Mitigation and Adaptation Strategies for Global Change* 18: 1167-1182. DOI: 10.1007/s11027-012-9415-1.
IF 2.019; n. citations: 15.
 22. Catoni R., **Varone L.**, Gratani L. **2013**. “Variations in leaf respiration across different seasons for Mediterranean evergreen species”. *Photosynthetica* 51: 295-304. DOI: 10.1007/s11099-013-0026-1.

- IF 1.007; n. citations: 5.*
23. Gratani L., Catoni R., **Varone L.** 2013*. “Morphological, anatomical and physiological leaf traits of *Q. ilex*, *P. latifolia*, *P. lentiscus*, and *M. communis* and their response to Mediterranean climate stress factors”. *Botanical Studies* 54:35. DOI:10.1186/1999-3110-54-35.
*IF 0.809; n. citations: 15; * last name.*
24. Gratani L., **Varone L.*** 2013 “Carbon sequestration and noise attenuation provided by hedges in Rome: the contribution of hedge traits in decreasing pollution levels”. *Atmospheric Pollution Research* 4, 315-322. DOI: 10.5094/APR.2013.035.
*IF 1.227; n. citations: 5; * last name.*
25. Gratani L., **Varone L.*** 2014 “Atmospheric carbon dioxide concentration variations in Rome: relationship with traffic level and urban parks size”. *Urban Ecosystems*, 17: 501-511. DOI: 10.1007/s11252-013-0340-1.
*IF = 2.685; n. citations: 7; * last name.*
26. Gratani L., Crescente M.F., **Varone L.**, Bonito A., Tinelli A. 2015 “*Pinus pinea* L. plant trait variations in response to tree age and silvicultural management and carbon storage capability”. *Rendiconti Lincei – Scienze Fisiche e Naturali*: 26: S507-S515. DOI: 10.1007/s12210-014-0343-8.
IF = 0.412; n. citations: 2.
27. Gratani L., Bonito A., Crescente M.F., Catoni R., **Varone L.**, Tinelli A. 2015. “The use of maps as a monitoring tool of protected areas management”. *Rendiconti Lincei – Scienze Fisiche e Naturali* 26: S325 – S335. DOI: 10.1007/s12210-014-0355-4.
IF = 0.412; n. citations: 4.
28. **Varone L.***, Gratani L. 2015 “Leaf respiration responsiveness to induced water stress in Mediterranean species”. *Environmental and Experimental Botany* 109: 141-150. DOI: 10.1016/j.envexpbot.2014.07.018.
*IF = 3.712; n. citations: 14; * first name and corresponding author.*
29. Catoni R., Granata M.U., Sartori F., **Varone L.**, Gratani L. 2015. “*Corylus avellana* responsiveness to light variations: morphological, anatomical and physiological leaf trait plasticity”. *Photosynthetica* 53: 35-46. DOI: 10.1007/s11099-015-0078-5.
IF 1.558; n. citations: 16.
30. Catoni R., Gratani L., Sartori F., **Varone L.**, Granata M.U. 2015 “Carbon gain optimization in five broadleaf deciduous trees in response to light variation within the crown: relationships among morphological, anatomical and physiological leaf traits”. *Acta Botanica Croatica* 74:71-94. DOI: 10.1515/botcro-2015-0010.
IF = 0.734; n. citations: 6.
31. **Varone L.***, Vitale M., Catoni R., Gratani L. 2016 “Physiological differences of five Holm oak (*Quercus ilex* L.) ecotypes growing under common growth conditions were related to native local climate”. *Plant Species Biology* 31: 196-210. DOI: 10.1111/1442-1984.12103.
*IF = 1.250; n. citations: 6; * first name and corresponding author.*
32. Gratani L., Catoni R., **Varone L.*** 2016 “Evergreen species response to Mediterranean climate stress factors”. *iForest - Biogeosciences and Forestry* 9: 946-953. DOI: 10.3832/ifor1848-009.
*IF = 1.623; n. citations: 2; * last name.*
33. Gratani L., **Varone L.**, Bonito A. 2016. “Carbon sequestration of four urban parks in Rome”. *Urban Forestry & Urban Greening* 19: 184-193. DOI: 10.1016/j.ufug.2016.07.007.
IF = 2.113; n. citations: 11.
34. Puglielli G., **Varone L.**, Gratani L., Catoni R. 2017 “Specific leaf area variations drive acclimation of *Cistus salvifolius* in different light environments. *Photosynthetica* 55: 31-40. DOI: 10.1007/s11099-016-0235-5.

- IF = 1.740; n. citations: 7.*
35. Vasheka O., Puglielli G., Crescente M.F., **Varone L.**, Gratani L. **2017**. “Anatomical and Morphological Leaf Traits of Three Evergreen Ferns (*Polystichum setiferum*, *Polypodium interjectum* and *Asplenium scolopendrium*). *American Fern Journal* 106: 258-268. DOI: 10.1640/0002-8444-106.4.258.
IF = 0.676; n. citations: 0.
36. Gratani L., Crescente M.F., **Varone L.**, Puglielli G., Catoni R., Bonito A. **2017**. Carbon storage by Mediterranean vegetation developing inside a protected area. *Rendiconti Lincei – Scienze Fisiche e Naturali* 28: 425-433. DOI: 10.1007/s12210-017-0612-4.
IF = 0.986; n. citations: 0.
37. **Varone L.***, Catoni R., Bonito A., Gini E., Gratani L. **2017**. Photochemical performance of *Carpobrotus edulis* in response to various substrate salt concentrations. *South African Journal of Botany* 111: 258–266. DOI:10.1016/j.sajb.2017.03.035.
*IF = 1.442; n. citations: 2; * first name and corresponding author.*
38. Puglielli G., Cuevas Román F.J., Catoni R., Moreno Rojas J.M., Gratani L., **Varone L.*** **2017**. Provenance effect on carbon assimilation, photochemistry and leaf morphology in Mediterranean *Cistus* species under chilling stress. *Plant Biology* 19: 660–670. DOI: 10.1111/plb.12574.
*IF = 2.156; n. citations: 6; * last name*
39. Bonito A., Ricotta C., Iberite M., Gratani L., **Varone L.*** **2017**. CO₂ sequestration in two Mediterranean dune areas subjected to a different level of anthropogenic disturbance. *Estuarine, Coastal and Shelf Science* 196: 22–30. DOI: 10.1016/j.ecss.2017.06.040.
*IF = 2.413; n. citations: 0; * last name and corresponding author.*
40. Puglielli G., Catoni R., Spoletini A. **Varone L.**, Gratani L. **2017**. Short-term physiological plasticity: trade-off between drought and recovery responses in three Mediterranean *Cistus* species. *Ecology and Evolution* 7: 10880–10889. DOI: 10.1002/ece3.3484.
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41. Gratani L., **Varone L.***, Crescente M.F., Catoni R., Ricotta C., Puglielli G. **2018**. Leaf thickness and density drive the responsiveness of photosynthesis to air temperature in Mediterranean species according to their leaf habitus. *Journal of Arid Environments* 150: 9-14. DOI: 10.1016/j.jaridenv.2017.12.007.
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42. Puglielli G., **Varone L.***, **2018**. Inherent variation of functional traits in winter and summer leaves of Mediterranean seasonal dimorphic species: evidence of a ‘within leaf cohort’ spectrum. *AoB Plants* 10:3, article number: ply027. DOI : 10.1093/aobpla/ply027.
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43. Puglielli G., **Varone L.**, Gratani L. **2018**. Diachronic adjustments of functional traits scaling relationships to track environmental changes: revisiting *Cistus* species leaf cohort classification. *Flora* (in press), DOI: 10.1016/j.flora.2018.08.010.
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44. Puglielli G., Gratani L., **Varone L.*** **2019**. Leaf rolling as indicator of water stress in *Cistus incanus* from different provenances. *Photosynthetica* 57 (in press), DOI: 10.32615/ps.2019.014.
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Part XIIB – Publications on National and International Journals indexed and subjected to peer review.

1. Gratani L., **Varone L.** 2006 “Carbon sequestration by *Quercus ilex* L. and *Quercus pubescens* Willd. and their contribution to decreasing air temperature in Rome”. *Urban Ecosystems*, 9: 27-37. DOI: 10.1007/s11252-006-5527-2.
2. Gratani L., Crescente M.F., **Varone L.** 2007 “Ecologia della duna: ritmo fenologico delle specie psammofile”. *Fitosociologia*, 44 (1): 11-16. ISSN-1125-9078.
3. Gratani L., Fabrini G., Crescente M.F., **Varone L.**, Bonito A., Marcoccia M. 2007. “Efficienza di crescita di *Bidens cernua* L. specie rara della flora d’Italia”. *Fitosociologia* 44 (2) suppl. 1: 303-306. ISSN-1125-9078.
4. Mariani S., Fiore D., **Varone L.**, Basciani S., Persichetti A., Watanabe M., Saponara M., Spera G., Moretti C., Gnassi L. 2012. “[Obstructive sleep apnea and bone mineral density in obese patients](#)”. *Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy*, 5: 395-401. DOI: 10.2147/DMSO.S37761.
5. Frattaroli A.R., Di Martino L., Di Cecco V., Catoni R., **Varone L.**, Di Santo M., Gratani L., 2013. Seed germination capability of four endemic species in the Central Apennines in Italy: relationship between seed size and germination capability. *Lazaroa* 34: 43-53 DOI: 10.5209/rev-LAZA.2013.v34.n1.42253.
6. Gratani L., Caoni R., Puglielli G., **Varone L.**, Crescente M.F., Sangiorgio S., Lucchetta F., 2016. Carbon dioxide (CO₂) sequestration and air temperature amelioration provided by urban parks in Rome. *Energy Procedia*, 408-415. DOI: 10.1016/j.egypro.2016.11.052.

Part XIIC – Workshop proceedings

1. Gratani L., Crescente M.F., **Varone L.**, Bonito A., Fabrini G., Marcoccia M. 2008. “Ecologia e strategie di conservazione di *Bidens cernua* L., status CR per il Lazio”. *Atti della Prima Giornata di studio “Tutela e conservazione dell’ecosistema acquatico Lago di Posta Fibreno area SIC/ZPS IT 6050015”*, Roma 26 gennaio 2008. Regione Lazio, R.N.R. Lago di Posta Fibreno, ARP e Associazione HydranGea, Roma (Eds). Pp. 27-35. ISBN - 978-88-95213.
2. Gratani L., Crescente M.F., **Varone L.** 2008 “Capacità di risposta delle specie psammofile ai fattori di stress”. Secondo Simposio Internazionale: “Il monitoraggio costiero mediterraneo: problematiche e tecniche di sviluppo”. Napoli, 4-6 giugno 2008, Pp. 195-202. ISBN 978-88-95597-08-9.
3. Gratani L., Bonito A., Naimoli M., **Varone L.** 2014 “Environmental benefits derived by urban parks: carbon dioxide (CO₂) lowering and microclimate amelioration”. In: In Girodano L., Ferrini F and Gonthier P. (eds) “Conference and Abstracts Book of the European Conference of Arboriculture – Planning the Green City: Relationship between Trees and Infrastructure”. T DISAFA Editions, 100 pp. ISBN: 978-88-908636-1-5.

Part XIID – Publications on National Journals subjected to peer review.

1. Gratani L., **Varone L.**, Bombelli A. 2005 “Modelli adattativi di specie sempreverdi mediterranee”. *Informatore Botanico Italiano*, 37 (1, Parte A): 216- 217. ISSN-0020-0697.
2. **Varone L.**, Gratani L., 2005 “Monitoraggio dei livelli di inquinamento in area urbana e ruolo delle piante nel migliorare la qualità dell’aria”. *Informatore Botanico Italiano*, 37 (1, Parte A): 256- 257. ISSN-0020-0697.

3. Gratani L., Fabrini G., Crescente M.F., **Varone L., 2012.** Reproductive success in a reestablished versus a natural population of *Bidens cernua* L. *Studi Trent. Sci. Nat.*, 90: 165-169. ISSN 2035-7699.

Part XIII – Chapters in Books

1. Gratani L., **Varone L.**, Crescente M.F. **2009.** “Urban trees and air amelioration capability”. In: Traffic Related Air Pollution and Internal Combustion Engines. Demidov S. and Bonnet J. (Eds). Nova Science Publishers, Pp. 161-178. ISBN: 978-1-60741-145-1.
2. Gratani L., Baldi M., Bonito A., Crescente M.F., Di Giuseppe E., Esposito S., Meloni F., Pasqui M., Rossi G., **Varone L.**, Vento D. **2010.** “Cambiamento climatico e conservazione *ex situ* ed *in situ*” In: Piotto B., Giacanelli V., Ercole S. (Eds). “La conservazione *ex situ* della biodiversità delle specie vegetali spontanee e coltivate in Italia. Stato dell’arte, criticità e azioni da Compiere”. Manuali e linee guida ISPRA, 54/2010. ISBN: 978-88-448-0416-9. Pp. 105-106.
3. Gratani L., Catoni R., Crescente M.F., Bonito A., **Varone L., 2013.** Soglia di tolleranza ai fattori di stress di specie sempreverdi mediterranee. In: Il Sistema Ambientale della Tenuta Presidenziale di Castelporziano. Ricerche sulla Complessità di un Ecosistema Forestale Costiero Mediterraneo. A cura del Segretariato Generale della Presidenza della Repubblica Italiana. Accademia Nazionale delle Scienze detta dei XL, Scritti e Documenti, 26, Terza Serie, vol. I, 203-212.
4. Gratani L., Crescente M.F., Bonito A., **Varone L., 2015.** “Valutazione dello stato strutturale e funzionale della produttività potenziale e e della capacità di sequestro della CO₂ delle pinete a *Pinus nigra*”. In: Progetto MORINABIO, Linee Guida per la Rinaturalizzazione dei Rimboschimenti di Conifere in Abruzzo e Per l’Utilizzo delle Biomasse”. Regione Abruzzo, Resize Studio, L’Aquila. Pp. 21-26.
5. Gratani L., Crescente M.F., Bonito A., **Varone L., 2015.** “Funzionalità Ecologica delle Pinete”. In: “Progetto MORINABIO, Linee Guida per la Rinaturalizzazione dei Rimboschimenti di Conifere in Abruzzo e per l’Utilizzo delle Biomasse”. Regione Abruzzo, Resize Studio, L’Aquila. Pp. 105-111.

Part XIII – Attendance International and National Congress and Workshop

XIIIA – International Congress and Workshop (Speaker in oral communication; ** Co-author in oral communication; *** Poster).*

1. Gratani L., Crescente M.F, **Varone L.*****, Blasi C. **2002** “Trees presence in urban area to improve air quality”. EuroMAB 2002 Meeting Rome, 7th-11th October 2002. Accademia Nazionale delle Scienze detta dei XL, Scritti e Documenti, 31: 101-102.
2. Gratani L., **Varone L.**** **2005** “Adaptive photosynthetic strategies of the evergreen Mediterranean species and their response to stress factors”. Photosynthesis and Stress, Biophysical and biochemical methods in Photosynthesis research. – Central – European Conference, Brno (Czech Republic) September 15th – 16th 2005.
3. Gratani L., **Varone L.*****, Crescente M.F., Bonito A. **2007.** “Adaptative responses of Mediterranean maquis species to climate”. 16th International Workshop European Vegetation Survey. – Rome, 22th – 26th March, 2007.
4. Gratani L., Crescente M.F., **Varone L.****, Bonito A. **2007.** “Improving environmental and social benefits in urban area by tree species”. Climate Change and Urban Forestry. Congresso della SIA – Società Italiana Arboricoltura. – Roma 17th-18th December 2007

5. **Varone L.*****, Gratani L. **2008**. “Shrub discriminant traits of the Mediterranean maquis”. 17th International Workshop European Vegetation Survey: “Using phytosociological data to address ecological questions”. – Brno, Czech Republic, 1th-5th May 2008.
6. Gratani L., Crescente M.F., **Varone L.****, Bonito A. **2008**. “*Pinus pinea* L. structural traits changing with age and in response to silvicultural practices”. European Congress of Arboriculture “Arboriculture for the Third Millenium”. – Torino, Italy, 16th – 18th June 2008.
7. Gratani L., **Varone L.****, Crescente M.F. **2009**. “Adaptative strategies of psammophilous species”. 18th International Workshop European Vegetation Survey: “Thermophilous vegetation”. – Rome, March 25th – 28th 2009.
8. Gratani L., **Varone L.****, Crescente M.F. **2009**. “Mediterranean evergreen species tolerance threshold to air temperature increasing”. 45th International Congress of SISV & FIP. – Cagliari 22th-24th June 2009.
9. Gratani L., Bonito A., **Varone L.*****, Crescente M.F. **2010** “Phenotypic plasticity for physiological and life-history traits of *Quercus ilex* L.” 4th Global Botanic Gardens Congress “Addressing global change: a new agenda for botanic gardens”. – Dublin, Ireland, 13th - 18th June 2010.
10. Gratani L., Bonito A., **Varone L.*****, Crescente M.F. **2010** “Monitoring plant species response to climate change.” 4th Global Botanic Gardens Congress “Addressing global change: a new agenda for botanic gardens”. – Dublin, Ireland, 13th - 18th June 2010.
11. Gratani L., Catoni R., Pirone G., Frattaroli A.R., **Varone L.*** **2013**. “Local adaptation in two Apennine plant species along a narrow altitudinal gradient”. Workshop Mountains Under Watch 2013 – Observing climate change effects in the Alps. Forte di Bard – Valle d’Aosta, 20th-21th February 2013, pag. 18.
12. **Varone L.***, Vitale M., Catoni R., Gratani L. **2013**. “Physiological responses of five Holm oak (*Quercus ilex* L.) ecotypes to seasonal climatic factor variations”. 4th Croatian Botanical Symposium – Split, 27th-29th September 2013.
13. Gratani L., Sartori F., **Varone L.****, Granata M.U., Catoni R. **2013**. “Leaf structure and photosynthetic properties to the intra canopy light gradient in the reserve “Siro Negri” (Italy): comparison among tree species”. 4th Croatian Botanical Symposium – Split, 27th-29th September 2013.
14. Gratani L., Bonito A., Naimoli M., **Varone L.**** **2014** “Environmental benefits derived by urban parks: carbon dioxide (CO₂) lowering and microclimate amelioration”. European Conference of Arboriculture, Turin 26th-28th May 2014.
15. Gratani L., Crescente M.F., Bonito A., **Varone L.*****, Gini E. **2014** “The importance of disturbance and environmental stress on sand dune vegetation included in the Roman Coast State Nature Reserve” Fifth International Symposium CNR-IBEMET “Monitoring of Mediterranean coastal areas: problems and measurement techniques”. – Livorno, 17th-19th June 2014.
16. Gratani L., Catoni R., Ricotta C., **Varone L.***** **2014** “Estimated carbon sequestration benefit under climate change: a case study of the Mediterranean shrublands maquis”. Plant Biology Europe FESPB/EPSO 2014 Congress, Dublin 22th-26th June 2014.
17. Gratani L., Frattaroli A.R., Di Cecco V., Puglielli G., **Varone, L.*****, Catoni R. **2014** “Quantitative estimation of phenotypic plasticity of *Adonis distorta* growing on Mount Majella in the Central Appenines”. Plant Biology Europe FESPB/EPSO 2014 Congress, Dublin 22th-26th June 2014.
18. Granata M.U., Gratani L., Sartori F., **Varone L.*****, Catoni R. **2014** “Competitive capability of *Robinia pseudoacacia* with native species in an old-growth broadleaf forest. Plant Biology Europe FESPB/EPSO 2014 Congress, Dublin 22th-26th June 2014.

19. Frattaroli A.R., Di Cecco V., Di Martino L., Catoni, R. **Varone, L.*****, Di Santo M., Gratani L. **2014**. “Seed germination capability of *Astragalus aquilanus* endemic species in the Central Apennines (Italy). International Plant Science Conference, 109 Congresso della Società Botanica Italiana, Florence 2th-5th September.
20. Di Cecco V., Gratani L., Di Martino L., **Varone L.*****, Catoni R., Frattaroli A.R. **2014**. Seed germination and conservation of endemic species from the Central Apennines. “International Meeting on Plant Reproduction”. Bologna 15th-16th September 2014.
21. Gratani L., Catoni R., **Varone L.**** **2015**. “The evergreen species response to Mediterranean climate stress factors” IUFRO International Congress “Global Challenges of Air Pollution and Climate Change to Forests” Nice, France, 1st-5th June 2015.
22. Vasheka O., Crescente M.F., Puglielli G., **Varone L.*****, Catoni R., Gratani L., **2015**. Morphological and anatomical differences in two fern species growing under common light environments. “110° Congresso della Società Botanica Italiana” – Pavia, 14-17 Settembre 2015.
23. Di Cecco V., Gratani L., Di Martino L., **Varone L.*****, Catoni R., Frattaroli A.R. **2014**. Seed germination and conservation of endemic species from the Central Apennines. “International Meeting on Plant Reproduction”. Bologna, 15-16 Settembre 2014.
24. **Varone L.*****, Gratani L., **2016**. [Does electrolyte leakage affect leaf respiration rates in Mediterranean evergreen species subjected to water stress?](#) Plant Biology Europe EPSO/FESPB 2016 Congress, Prague, Czech Republic, June 26-30, 2016.
25. Gratani L., Catoni R., Puglielli G., Tarquini F., **Varone L.** ** **2017**. Carbon dioxide sequestration capability of the Botanical Garden of Rome: environmental and economic benefits. Green Infrastructure: Nature Based Solutions for Sustainable and Resilient Cities Conference, Orvieto, Italy, April 4-7 2017.
26. Gratani L., **Varone L.** **, Catoni R., Puglielli G., Tarquini F., **2017**. The Botanical Gardens of Rome: air amelioration quality by plants collections. 6° Global Botanic Garden Congress, Geneve, 26-30 June 2017.
27. Puglielli G., Cuevas Román F.J., Catoni R., Moreno Rojas J.M., Gratani L., **Varone L.** **, **2017**. Do changes in leaf morphology control the photosynthetic process in Mediterranean *Cistus* spp. under suboptimal air temperature and subsequent recovery? IV International Plant Science Conference (IPSC) [112° Congresso della Società Botanica Italiana], Parma, 20-23 September 2017.
28. Gratani L., Pepe M., Spoletini A., **Varone L.*****, **2018**. Carbon sequestration capability provided by different types of green areas in Rome. World Forum on Urban Forests, Mantova 27 November – 1 December 2018.

XIIIB – National Congress and Workshop (Speaker in oral communication; ** Co-author in oral communication; *** Poster).*

1. Gratani L., **Varone L.**** **2003** “Plant key traits conditioning evergreen shrub species responses in Mediterranean maquis”. Congresso della S.I.Fs “Fitosociologia Applicata”. – Venezia 12-14 febbraio 2003.
2. Gratani L., **Varone L.***** **2003** “Drought-adaptative responses of the Mediterranean maquis shrub species” Tredicesimo Congresso Nazionale della S.IT.E. – Como 8-10 settembre 2003.
3. **Varone L.*****, Crescente M.F., Gratani L. **2003** “Pollution level indexes in urban area”. Tredicesimo Congresso Nazionale della S.IT.E. – Como 8-10 settembre 2003.
4. Gratani L., **Varone L.**** , Crescente M.F. **2004** “Il ruolo delle specie arboree nel ridurre gli effetti dell’inquinamento in area urbana”. 40° Congresso della S.I.Fs “Le comunità vegetali

- negli ecosistemi urbani e nelle aree archeologiche: problematiche ed applicazioni.” – Roma 19 – 21 febbraio 2004.
5. **Varone L.*****, Gratani L. **2004** “Risposta adattativa di *Rosmarinus officinalis* L., all'aridità”. 99° Congresso della Società Botanica Italiana. –Torino, 22-24 settembre 2004.
 6. **Varone L.***, Gratani L. **2004** “Variazioni temporali della concentrazione di CO₂ nella città di Roma in relazione al volume del traffico autoveicolare ed alle caratteristiche urbanistiche”. XIV Congresso Nazionale della SIte "Conservazione e gestione degli ecosistemi". – Siena, 4-6 ottobre 2004.
 7. Gratani L., **Varone L.*****, Bombelli A. **2005** “Modelli adattativi di specie sempreverdi mediterranee”. 100° Congresso della Società Botanica Italiana. – Roma, 21-23 settembre 2005.
 8. **Varone L.*****, Gratani L., **2005** “Monitoraggio dei livelli di inquinamento in area urbana e ruolo delle piante nel migliorare la qualità dell'aria”. 100° Congresso della Società Botanica Italiana. – Roma, 21-23 settembre 2005.
 9. **Varone L.***, Gratani L. **2006** “Influence of low air temperature on gas – exchange and pigment content of Mediterranean maquis species” XVI Congresso Nazionale della SIte “Cambiamenti globali, diversità ecologica e sostenibilità”. – Viterbo – Civitavecchia, 19-22 settembre 2006.
 10. Gratani L., **Varone L.**** **2006** “Carbon sequestration by trees species and their contribution to air amelioration capability in Rome” XVI Congresso Nazionale della SIte “Cambiamenti globali, diversità ecologica e sostenibilità”. – Viterbo – Civitavecchia, 19-22 settembre 2006.
 11. Gratani L., **Varone L.*****, Liberati D. **2006** “Effect of winter cold stress on photosynthetic activity of Mediterranean evergreen species” 101° Congresso della Società Botanica Italiana. – Caserta, 27-29 settembre 2006.
 12. Gratani L., Crescente M.F., **Varone L.*****, Bonito A. **2006**. “Conservazione ex situ di specie sempreverdi mediterranee”. APAT “La Conservazione delle risorse genetiche delle specie spontanee”. – Roma, 1 dicembre 2006.
 13. Gratani L., Fabrini G., Crescente M.F., **Varone L.*****, Bonito A., Marcoccia M. **2007**. “Efficienza di crescita di *Bidens cernua* L. specie rara della flora d'Italia”. 43° Congresso della Società Italiana di Scienza della Vegetazione “L'applicazione della Direttiva Habitat in Italia e in Europa”. Università Politecnica delle Marche, Facoltà di Agraria. – Ancona, 25-27 giugno 2007.
 14. Gratani L., Crescente M.F., Fabrini G., **Varone L.*****, Bonito A. **2007**. “Trade – offs among *Bidens cernua* L. physiological and morphological traits”. 102° Congresso della Società Botanica Italiana. – 26-29 settembre 2007.
 15. Gratani L., Crescente M.F., **Varone L.****, Bonito A., Fabrini G., Marcoccia M. **2008**. “Ecologia e strategie di conservazione di *Bidens cernua* L., status CR per il Lazio”. Workshop “Tutela e conservazione dell'ecosistema acquatico Lago di Posta Fibreno area SIC/ZPS IT 6050015”. – Roma 26 gennaio 2008.
 16. Gratani L., Crescente M.F., **Varone L.***** **2008** “Capacità di risposta delle specie psammofile ai fattori di stress”. Secondo Simposio Internazionale: “Il monitoraggio costiero mediterraneo: problematiche e tecniche di sviluppo”. – Napoli, 4-6 giugno 2008.
 17. **Varone L.***, Gratani L. **2008**. “Variazioni spaziali della struttura della macchia mediterranea e cambiamento climatico”. XVIII Congresso Nazionale della SIte “Ecologia, emergenza, pianificazione”. – Parma, 1-3 settembre 2008.
 18. Bonito A., **Varone L.****, Crescente M.F., Fabrini G., Gratani L. **2008**. “Strategie di conservazione di specie rare o a rischio di estinzione”. XVIII Congresso Nazionale della SIte “Ecologia, emergenza, pianificazione”. – Parma, 1-3 settembre 2008.

19. Gratani L., **Varone L.*****, Crescente M.F., Fabrini G., Bonito A. **2008**. “Efficienza di crescita e strategie adattative di *Malcolmia littorea* (L.) R. Br.” 103° Congresso della Società Botanica Italiana. – Reggio Calabria, 17-19 settembre 2008.
20. Gratani L., **Varone L.**** , Crescente M.F., Bonito A., Catoni R. **2010** “Growth efficiency of Italian threatened species in response to climatic factors”. 46° Congress of S.I.Fs “Countdown 2010 - Save biodiversity. The Vegetation Science contribute”. – Pavia 17th-18th February 2010.
21. **Varone L.***, Crescente M.F., Gratani L. **2010** “Changes in physiological and morphological traits of some dune species in response to air temperature” XX Congresso della SItE “Le Scienze Ecologiche Oggi”. – Roma 27 - 30 settembre 2010.
22. Gratani L., Bonito A., **Varone L.**** , Catoni R. **2010** “Response of *Quercus ilex* L. ecotypes to air temperatures: relative growth rate and vulnerability to water stress” XX Congresso della SItE “Le Scienze Ecologiche Oggi”. – Roma 27 - 30 settembre 2010.
23. Di Cecco V., Gratani L., Frattaroli A.R., Di Martino L., **Varone L.*****, Catoni R., **2013** “Seed traits variation and their effects on germination for high altitude mountain species”. XXIII Congresso della SItE. “Ecology for a sustainable blue and green growth” – Ancona, 16 - 18 settembre 2013.
24. Gini E., **Varone L.*****, Bonito A., Gratani L., **2013**. “Coastal dune vegetation: disturbance, recovery and spatial pattern”. XXIII Congresso della SItE. “Ecology for a sustainable blue and green growth” – Ancona, 16 - 18 settembre 2013.
25. Frattaroli A.R., Catoni R., **Varone L.*****, Gratani L. **2013** “Plasticity of physiological and morphological leaf traits in two endangered Apennine plant species in response to different altitudes”. 108° Congresso della Società Botanica Italiana – Baselga di Piné (Trento), 18-20 settembre 2013.
26. Catoni R., Granata M.U., Sartori F., **Varone L.** **, Gratani L. **2014**. Ecophysiological traits involved in *Corylus avellana* response to light conditions. Ventiquattresimo Congresso della S.IT.E.– Ferrara, 15-17 Settembre 2014.
27. Granata M.U., Gratani L., Sartori F., **Varone L.*****, Catoni R. **2014**. Conservative management strategy in an old-growth forest. Ventiquattresimo Congresso della S.IT.E.– Ferrara, 15-17 Settembre 2014.
28. Gratani L., **Varone L.**** , **2014**. The contribution of hedge in decreasing pollution levels in Rome. Giornata dell'Ambiente, Convegno “*Evoluzione e controllo della qualità dell'aria sul territorio italiano*”. Roma, Accademia dei Lincei, 17 ottobre 2014.
29. Gratani L., Crescente M.F., Catoni R., Puglielli G., **Varone L.**** , **2017**. Plasticity of plant and leaf traits in response to environmental factors. Plant Traits 2.0 – S.B.I. – Gruppo di Lavoro per l'Ecologia. Università di Bologna, 9-10 febbraio 2017.

The undersigned expresses her consent that the personal data provided with the present CV can be processed in compliance with European regulation no. 679/2016 and of the D.Lgs. n. 675/1996, for all matters relating to the competition procedure and the possible recruitment procedure in service.

Place Rome

Date February 1st, 2019

Yours Faithful

