ANTONIO MASI
Curriculum Vitae

PERSONAL INFORMATION

Name	**MASI, ANTONIO**
Telephone	++39-049-827.2932 (work); ++39-335-1012.390 (mobile)
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web	http://www.dafnae.unipd.it
Nationality	Italian
Date of birth	[02, 04, 1964]
Gender	male

PROFESSIONAL EXPERIENCE

Dates	**1998-TO DATE**
• Name and address of employer	University of Padova, DAFNAE (Department of Agronomy, Food, Natural resources, Animals and Environment), College of Agriculture
• Type of business or sector	Research in Agricultural Biotechnology
• Occupation or position held	From March 2015: **Associate Professor** 1998-2015: Research scientist / lecturer / Assistant Professor
• Research activity and themes	Food, Agriculture, and Biotechnology; Environment (including Climate Change); Plant health and crop protection; High-throughput research; Pressure on environment and climate; Food quality and safety; Life sciences, genomics and biotechnology for health; Fundamental knowledge and basic tools for functional genomics; Plant Proteomics.
• Main activities and responsibilities	**Research Project leader / Group leader / Coordination activity.** Investigations in plant physiology, biochemistry and plant adaptation to the environment are carried out in an integrative way, by making use of molecular biology, functional genomics and use of GMOs, gene expression studies, proteomics, microscopy, mass spectrometry for metabolite identification, biochemical and physiological measurements, and remote sensing for plant phenotyping under diverse abiotic and biotic adverse conditions and pollutants (e.g. ultraviolet radiation, heavy metals, perfluoroalkyl compounds – PFAS, sulfadiazines). **Teaching:** *Plant Physiology and Biochemistry* (undergraduate degree course in "Agricultural Biotechnology"); *Plant Biology* (undergraduate degree courses in "Agricultural Science and Technology", "Viticulture and Enology", "Land and Landscape Restoration and Enhancement"); *Plant Natural Products* (graduate degree course in "Food Biotechnology"); *Analitycal Methods for Food Quality and Safety* (undergraduate degree course in "Biotechnology"); *Remote sensing for plant phenomic analysis* (Second level Master on "GIScience and Unmanned System for the integrated management of the territory and the natural resources"); *Advanced technologies for the agrifood sector: nanotechnologies, proteomics, metabolomics* (graduate degree course in "Food Biotechnology"); *Plant Bioactive Compounds and Food Quality* (Master-level degree course in "Food and Health"). As a Visiting Professor, he has taught a short course in "Plant Proteomics" at the Birla Institute of Technology (2019), Mesra, Ranchi (India, 2019).

EDUCATION AND TRAINING

• Date, qualification, organisation and main subjects

1995: Ph.D. in Photobiology**,** University of Padova; dissertation title: "Biological effects of ultraviolet-B radiation in plants".

• Date, qualification, organisation and main subjects

1992: *Laurea* (master-level degree) in Agricultural Sciences, College of Agriculture at the University of Padova. Studies in Agricultural Sciences, including Agronomy, Botany, Soil Science, Dairy sciences, Food Science, Biochemistry and Biotechnology.

AWARDS & FELLOWSHIPS

2019 VISITING PROFESSOR AT THE BIRLA INSTITUTE OF TECHNOLOGY (MESRA, RANCHI, INDIA) AND AT THE UNIVERSITY OF GOUR BANGA (MALDA, WEST BENGAL, INDIA)
2010 (APRIL THROUGH JUNE): VISITING PROFESSOR AT TRIBHUVAN UNIVERSITY IN KATHMANDU AND POKHARA, NEPAL, FOR STUDIES ON THE EFFECTS OF CLIMATE CHANGE IN MEDICINAL PLANTS OF HYMALAYAN NEPAL, WITHIN THE EUROPEAN PROGRAMME "SUTROFOR" – SUSTAINABLE TROPICAL FORESTRY.
2004 (APRIL-DECEMBER, FULBRIGHT FELLOWSHIP): FULBRIGHT SENIOR SCHOLAR, DEPARTMENT OF PLANT BIOLOGY, CORNELL UNIVERSITY, ITHACA, NY, USA
1994-1995 (ONE YEAR FELLOWSHIP FROM UC BERKELEY, EDUCATION ABROAD PROGRAM): DEPARTMENT OF PLANT BIOLOGY, UNIVERSITY OF CALIFORNIA AT BERKELEY, CALIFORNIA, USA
1989-1990 (SIX MONTHS FELLOWSHIP FROM "ALDO GINI" FOUNDATION): PLANT PHYSIOLOGY INSTITUTE, UNIVERSITY OF BERN, SWITZERLAND

MOTHER TONGUE

ITALIAN

OTHER LANGUAGES

ENGLISH

• Reading skills: EXCELLENT
• Writing skills: EXCELLENT
• Verbal skills: EXCELLENT

ADDITIONAL INFORMATION

1993-1999: MEMBER OF THE "CONSULTA DEL CENTRO DI CALCOLO" (BOARD OF THE COMPUTING CENTRE), UNIVERSITY OF PADUA
1993-2012: MEMBER OF SCIENTIFIC BOARD OF C.R.I.B.I. – INTERDEPARTMENTAL RESEARCH CENTER FOR INNOVATIVE BIOTECHNOLOGY, UNIVERSITY OF PADUA
2002-2009: MEMBER OF THE DOCTORAL SCHOOL IN CROP PRODUCTION, CURRICULUM: AGROBIOTECHNOLOGY; **FROM 2009**: MEMBER OF THE DOCTORAL SCHOOL IN ANIMAL AND FOOD SCIENCE
SEPT 2006, BRUXELLES: ASSISTING THE EUROPEAN COMMISSION TO EVALUATE PROPOSALS FOR THE CONSERVATION, CHARACTERISATION, COLLECTION AND UTILISATION OF GENETIC RESOURCES IN AGRICULTURE.
2007-2012: FULBRIGHT COMMISSION: EVALUATING APPLICATIONS IN THE FIELD OF AGRICULTURAL SCIENCES (FULBRIGHT-BEST, BUSINESS EXCHANGE AND STUDENT TRAINING; RESEARCH SCHOLARS; VISITING STUDENT RESEARCHER)
2016: ASSISTING THE EUROPEAN COMMISSION (ERA) TO EVALUATE PROPOSALS UNDER THE H2020 WORK PROGRAMME.
2016: ORGANISER OF THE INTERNATIONAL SUMMER SCHOOL: "ENVIRONMENT AND BIODIVERSITY MANAGEMENT IN NEPAL HIMALAYAS", 25 JULY-12 AUGUST 2016 KATHMANDU (NEPAL)
2018: ORGANISER OF A "THEORETICAL-PRACTICAL COURSE ON PLANT MICROPROPAGATION", AGRIPOLIS (LEGNARO, PD) 24-28 SEPTEMBER 2018
2019-2020-2022: ASSISTING THE REA - EUROPEAN COMMISSION, SUSTAINABLE RESOURCES FOR FOOD SECURITY / FP7 SME ACTIONS UNDER THE H2020 WORK PROGRAMME.
2022: ASSISTING THE EUROPEAN COMMISSION, TO EVALUATE PROPOSALS UNDER THE CALL HORIZON-CL6-2022-BIODIV

HE HAS ALSO ASSISTED THE SERBIAN MINISTRY OF RESEARCH, THE CZECH SCIENCE FOUNDATION AND THE ROMANIAN MINISTRY OF RESEARCH IN EVALUATING NATIONAL RESEARCH PROJECT PROPOSALS; ASSISTING THE BARD (BINATIONAL AGRICULTURAL RESEARCH AND DEVELOPMENT FUND US-ISRAEL) FOR PROJECT EVALUATION; ASSISTING THE COMPLUTENSE UNIVERSITY OF MADRID IN PROJECT EVALUATION WITHIN THE UNA4CAREER PROGRAMME; PROJECT EVALUATOR FOR REGIONE EMILIA-

ROMAGNA , "PIANI DI INNOVAZIONE 2020"

BIBLIOMETRICS
(APRIL 2020)

GOOGLE SCHOLAR: scholar.google.com/citations?user=HX-s9LUAAAAJ&hl=it
Google Scholar: H-INDEX: 23; i10-index: 34; citations: 1533 (as of 07/01/2022)
Scopus: H-INDEX: 21
Supervisor of 7 Ph.D. students
http://orcid.org/0000-0003-0536-5984

ORGANIZATION OF CONFERENCES AND WORKSHOPS

Coordinator in the organization of
- VIII ITPA (Italian Proteomic Association) Congress, Padova 18-21 June 2013
- Interdisciplinary workshop: "Droni e tecnologie innovative: prospettive di impiego in sistemi agroforestali e per la tutela dell'ambiente e del territorio", Legnaro, Agripolis Campus, 13 november 2014
- **III INPPO (International Plant Proteomics Organization) Conference**, 10-12 October 2018, Padova, University Botanical Garden

OTHER INFORMATION

- Translator of the Chapter 19: "Plants as Chemical and Pharmaceutical Factories" of the book "Plants, Genes and Crop Biotechnology" – Chrispeels-Sadava.
- Editor of the book: " Neglected and Underutilized Crops - Towards Nutritional Security and Sustainability" – Sajad Majeed Zargar, Antonio Masi, Romesh Kumar Salgotra Eds. Springer Nature (2021), ISBN 978-981-16-3875-6 DOI: 10.1007/978-981-16-3876-3
- Frontiers in Plant Science – Guest Associate Editor for Plant Proteomics and Protein Structural Biology
- Member of Steering Committee – University of Padova Proteomic Center
- Member of Steering Committee – Master in GIScience

ANTONIO MASI

PUBLICATIONS IN PEER-REVIEWED INTERNATIONAL JOURNALS

1. Leonard B. Ebinezer et al., 2022. PFAS&maize (submitted).
2. Kaisar Ahmad Bhat, Reetika Mahajan, Mohammad Maqbool Pakhtoon, Uneeb Urwat, Zaffar Bashir, Ali Asghar Shah, Ankit Agrawal, Basharat Bhat, Parvaze A Sofi, **Antonio Masi**, Sajad Majeed Zargar (2022). Cold stress tolerance: an insight into the omics approaches for legume crops Low Temperature Stress Tolerance: An Insight Into the Omics Approaches for Legume Crops. Frontiers in Plant Science, 13:888710 doi: 10.3389/fpls.2022.888710

1. Satyajit Saurabhab, Dinesh Prasad, **Antonio Masi**, Ambarish S. Vidyarthi (2022). Next generation sequencing and transcriptome analysis for identification of ARF and Aux/IAA in pointed gourd (Trichosanthes dioica Roxb.), a non-model plant. Scientia Horticulturae. DOI: 10.1016/j.scienta.2022.111152
2. Marija Vidović, Ilaria Battisti, Ana Pantelić, Filis Morina, Giorgio Arrigoni, **Antonio Masi**, Sonja Veljović Jovanović (2022). Desiccation tolerance in Ramonda serbica Panc.: an integrative transcriptomic, proteomic, metabolite, and photosynthetic study. Plants (accepted, in press).
3. Uneeb Urwat, Syed Mudasir Ahmad, **Antonio Masi**, Nazir Ahmad Ganai, Imtiyaz Murtaza, Imran Khan, Sajad Majeed Zargar (2021). Fe and Zn stress induced gene expression analysis unraveled mechanisms of mineral homeostasis in common bean (Phaseolus vulgaris L.). Scientific Reports, 11:24026. DOI:10.1038/s41598-021-03506-2.
4. Sajad Majeed Zargar, Rakeeb Ahmad Mir, Leonard Barnabas Ebinezer, **Antonio Masi**, Ammarah Hami, Madhiya Manzoor, Romesh Kumar Salgotra, Najeebul Rehman Sofi, Roohi Mushtaq, Jai Singh Rohila, Randeep Rakwal (2021). Physiological and multi-omics approaches for explaining drought stress tolerance and supporting sustainable production of rice. Frontiers in Plant Science 12:803603. DOI: 10.3389/fpls.2021.803603.
5. Azmi Khan, Manisha Sarkar, Moumita Biswas, **Antonio Masi**, Randeep Rakwal, Ganesh Kumar Agrawal, Amrita Srivastava, Abhijit Sarkar (2021). Reactive Oxygen Species (ROS) and Reactive Nitrogen Species (RNS) in Plants – maintenance of structural individuality and functional blend. Advances in Redox Research (accepted).
6. Pristeri, G.; Peroni, F.; Pappalardo, S. E.; Codato, D.; **Masi, A.**; De Marchi, M. (2021). Whose Urban Green? Mapping and Classifying Public and Private Green Spaces in Padua for Spatial Planning Policies. pp.1-28 - In ISPRS INTERNATIONAL

JOURNAL OF GEO-INFORMATION vol. 10 (8) DOI:10.3390/ijgi10080538.

7. Battisti I, Ebinezer LE, Lomolino G, **Masi A**, Arrigoni G. (2021). Protein profile of commercial soybean milks analyzed by label-free quantitative proteomics. Food Chemistry. DOI: 10.1016/j.foodchem.2021.129299
8. Srivastava V, Squartini A, **Masi A**, Sarkar A, Singh RP. (2020). Metabarcoding analysis of the bacterial succession during vermicomposting by the earthworm Eisenia fetida on municipal solid waste. Science of The Total Environment (in press). DOI: 10.1016/j.scitotenv.2020.144389
9. Vidović M, Franchin C, Morina F, Veljović-Jovanović S, Masi A, Arrigoni G (2020). Efficient protein extraction for shotgun proteomics from hydrated and desiccated leaves of resurrection Ramonda serbica plants. Analytical and Bioanalytical Chemistry. DOI: 10.1007/s00216-020-02965-2
10. Millan S, Jeffery DW, Dall'Acqua S, Masi A (2021). A novel HPLC-MS/MS approach for the identification of biological thiols in vegetables. Food Chemistry, 339:127809, DOI:10.1016/j.foodchem.2020.127809
11. Mir RA, Bhat KA, Rashid G, Ebinezer LB, Masi A, Rakwal R, Shah AA, Zargar SM (2020). DNA barcoding: a way forward to obtain deep insights about the realistic diversity of living organisms. Nucleus DOI: 10.1007/s13237-020-00330-3
12. Ebinezer LB, Franchin C, Trentin AR, Carletti P, Trevisan S, Agrawal G, Rakwal R, Quaggiotti S, Arrigoni G, Masi A (2020). Quantitative Proteomics of Maize Roots Treated with Protein Hydrolysate: A Comparative Study with Transcriptomics Highlights the Molecular Mechanisms Responsive to Biostimulants. Journal of Agricultural and Food Chemistry, 68:7541-7553. DOI: 10.1021/acs.jafc.0c01593
13. Pristeri, G.; Peroni, F.; Pappalardo, S.E.; Codato, D.; Castaldo, A.G.; Masi, A.; De Marchi, M. Mapping and Assessing Soil Sealing in Padua Municipality through Biotope Area Factor Index (2020). Sustainability, 12:5167; DOI:10.3390/su12125167
14. Sharma N., Barion G., Shrestha I., Ebinezer L.B., Trentin A.R., Vamerali T., Mezzalira G., Masi A., Ghisi R. (2020). Accumulation and effects of perfluoroalkyl substances in three hydroponically grown Salix L. species. Ecotoxicology and Environmental Safety. DOI: 10.1016/j.ecoenv.2019.110150
15. Sharma N.; Arrigoni G.; Trentin A.R.; Franchin C.; Giaretta S.; Carletti P.; Thiele-Bruhn S.; Ghisi R.; Masi A. (2019). A proteomic and biochemical investigation on the effects of sulfadiazine in Arabidopsis thaliana. Ecotoxicology and Environmental Safety 178:146-158. DOI: 10.1016/j.ecoenv.2019.04.008
16. Jenne A., Soong R., Bermel W., Sharma N., Masi A., Anaraki M. T., Simpson A. (2019). Focusing on "the important" through targeted NMR experiments: An example of selective 13C-12C bond detection in complex mixtures (in press). DOI: 10.1039/C8FD00213D
17. Roomi S., Masi A., Conselvan G.B., Trevisan S., Quaggiotti S., Pivato M., Arrigoni G., Yasmin T., Carletti P. (2018). Protein Profiling of Arabidopsis Roots Treated With Humic Substances: Insights Into the Metabolic and Interactome Networks. Frontiers in Plant Science, DOI: 10.3389/fpls.2018.01812
18. Trevisan S., Trentin A.R., Ghisi R., Masi A., Quaggiotti S. (2018). Nitrate affects transcriptional regulation of UPBEAT1 and ROS localisation in roots of Zea mays L. Physiologia Plantarum (DOI:10.1111/ppl.12839).
19. Ashwin N. M. R., Barnabas L., Sundar A.R., Malathi P., Viswanathan R., Masi A., Agrawal G.K., Rakwal R. (2018). CfPDIP1, a novel secreted protein of Colletotrichum falcatum, elicits defense responses in sugarcane and triggers hypersensitive response in tobacco. Applied Microbiology and Biotechnology, DOI:10.1007/s00253-018-9009-2
20. Berardi L, Pivato M, Arrigoni G, Mitali E, Trentin AR, Olivieri M, Kerdelhue´ C, Dorkeld F, Nidelet S, Dubois E, Battisti A, Masi A (2017). Proteome analysis of urticating setae from Thaumetopoea pityocampa (Lepidoptera: Notodontidae). Journal of Medical Entomology, 2017, 1–7. DOI: 10.1093/jme/tjx144
21. Ashwin NMR, Barnabas L, Ramesh Sundar A, Malathi P, Viswanathan R, Masi A, Agrawal GK, Rakwal R. (2017). Comparative secretome analysis of Colletotrichum falcatum identifies a cerato-platanin protein (EPL1) as a potential pathogen-associated molecular pattern (PAMP) inducing systemic resistance in sugarcane. Journal of Proteomics, DOI: 10.1016/j.jprot.2017.05.020
22. Sajad Majeed Zargar, Reetika Mahajan, Muslima Nazir, Preeti Nagar, Sun Tae Kim, Vandna Rai, Antonio Masi, Syed Mudasir Ahmad, Riaz Ahmad Shah, Nazir Ahmad Ganai, Ganesh K. Agrawal, i, Randeep Rakwal (2017). Common bean proteomics: Present status and future strategies. Journal of Proteomics, 169:239-248. DOI:10.1016/j.jprot.2017.03.019.
23. N. M. R. Ashwin, Leonard Barnabas, A. Ramesh Sundar, P. Malathi, R. Viswanathan, A. Masi, Ganesh Kumar Agrawal, Randeep Rakwal (2017). Advances

in proteomic technologies and their scope of application in understanding plant–pathogen interactions. Journal of Plant Biochemistry and Biotechnology, pp. 1-16. DOI: 10.1007/s13562-017-0402-1

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25. Leonard Barnabas, N.M.R. Ashwin, K. Kaverinathan, A.R. Trentin, M. Pivato, A. R. Sundar, P. Malathi, R. Viswanathan, P. Carletti, G. Arrigoni, A. Masi, G.K. Agrawal, R. Rakwal (2017). In vitro secretomic analysis identifies putative pathogenicity-related proteins of Sporisorium scitamineum – The sugarcane smut fungus. Fungal Biology, 121:199–211. DOI:10.1016/j.funbio.2016.11.004
26. Barnabas EL, Ashwin N, Kaverinathan K, Trentin AR, Pivato M, Sundar AR, Malathi P, Viswanathan R, Rosana OB, Neethukrishna K, Carletti P, Arrigoni G, Masi A, Agrawal GK, Rakwal R. (2016) Proteomic analysis of a compatible interaction between sugarcane and Sporisorium scitamineum. Proteomics, 16:1111–1122, DOI 10.1002/pmic.201500245
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28. Pompella A., Masi A., Pennacchio F. (2016). La modulazione dei livelli di glutatione come strategia di attacco nelle interazioni ospite-parassita. Journal of the Siena Academy of Sciences, vol. 7, p. 45-47, ISSN: 2279-8811, DOI: 10.4081/jsas.2015.6418
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31. Zermiani M., Zonin E., Nonis A., Begheldo M., Ceccato L., Vezzaro A., Baldan B., Trentin A.R., Masi A., Pegoraro M., Fadanelli L., Teale W., Palme K., Quintieri L., Ruperti B. (2015). Ethylene negatively regulates transcript abundance of ROP-GAP rheostat-encoding genes and affects apoplastic reactive oxygen species homeostasis in epicarps of cold stored apple fruits. Journal of Experimental Botany DOI:10.1093/jxb/erv422
32. MASI A., Trentin A.R., Agrawal G.K., Rakwal R. (2015). Gamma-glutamyl cycle in plants: a bridge connecting the environment to the plant cell? Front. Plant Sci., 6:252. DOI: 10.3389/fpls.2015.00252
33. Trentin A.R., Pivato M., Mehdi S.M.M., Barnabas L.E., Giaretta S., Fabrega-Prats M., Prasad D., Arrigoni G., MASI A. (2015) Proteome readjustments in the apoplastic space of Arabidopsis thaliana ggt1 mutant leaves exposed to UV-B radiation. Front. Plant Sci. DOI: 10.3389/fpls.2015.00128
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35. Pennacchio F., MASI A., Pompella A. (2014). Glutathione levels modulation as a strategy in host-parasite interactions — insights for biology of cancer. Frontiers in Pharmacology, 5:180. DOI: 10.3389/fphar.2014.00180
36. Pivato M., Fabrega-Prats M., MASI A. (2014). Low-molecular-weight thiols in plants: Functional and analytical implications. ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, 560:83-99. DOI: 10.1016/j.abb.2014.07.018
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38. M. Schiavon, S. dall'Acqua, A. Mietto, E. A. H. Pilon-Smits, P. Sambo, A. MASI, M. Malagoli (2013). Selenium Fertilization Alters the Chemical Composition and Antioxidant Constituents of Tomato (Solanum lycopersicon L.). JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, ISSN: 0021-8561, DOI: 10.1021/jf4031822
39. Arrigoni G, Tolin S, Moscatiello R, MASI A, Navazio L, Squartini A (2013). Calcium-dependent regulation of genes for plant nodulation in Rhizobium leguminosarum detected by iTRAQ quantitative proteomic analysis. JOURNAL OF PROTEOME

RESEARCH, vol. 12, p. 5323-5330, ISSN: 1535-3893, DOI: 10.1021/pr400656g
40. Tolin S., Arrigoni G., Trentin A.R., Veljovic-Jovanovic S., Pivato M., Zechman B., MASI A. (2013). Biochemical and quantitative proteomics investigations in Arabidopsis ggt1 mutant leaves reveal a role for the gamma-glutamyl cycle in plant's adaptation to environment. PROTEOMICS, p. n/a, ISSN: 1615-9853, DOI: 10.1002/pmic.201200479
41. Tolin S., Arrigoni G., Moscatiello R., MASI A., Navazio L., Sablok G., Squartini A. (2013). Quantitative analysis of the naringenin-inducible proteome in Rhizobium leguminosarum by isobaric tagging and mass spectrometry. PROTEOMICS, ISSN: 1615-9853, doi: 10.1002/pmic.201200472
42. Kour J., Homagai P.L., Cagnin M., MASI A., Pokhrel M.R., Ghimire K.N. (2013). Adsorption of Cd (II), Cu (II), and Zn (II) from Aqueous Solution onto Nitrogen-Functionalized Desmostachya bipinnata. e-Journal of Chemistry, Article ID 649142, DOI: 10.1155/2013/649142
43. Enrico Zanetti, Antonio Masi, Micaela Pivato, Serena Tolin, Anna Trentin, Cem Guler, Servet Yalçin, Martino Cassandro (2013). A note on protein expression changes in chicken breast muscle in response to time in transit before slaughtering. PROTEOME SCIENCE, vol. 11, ISSN: 1477-5956, DOI: 10.1186/1477-5956-11-34
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47. Ferretti M., Destro T., Tosatto S.C.E., La Rocca N., Rascio N. and MASI A. (2009). Gamma-glutamyl transferase in the cell wall participates in extracellular glutathione salvage from the root apoplast. New Phytologist, 181: 115–126.
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49. Carletti P., MASI A., Spolaore B., Polverino De Laureto P., De Zorzi M., Turetta L., Ferretti M., Nardi S. (2008). Protein Expression Changes in Maize Roots in Response to Humic Substances. Journal of Chemical Ecology, 34:804-818.
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51. MASI A., T. Destro, L. Turetta, S. Varotto, G. Caporale and M. Ferretti (2007) Localization of gamma-glutamyl transferase activity and protein in Zea mays organs and tissues. Journal of Plant Physiology, 164:1527-1535.
52. CARLETTI P., MASI A., WONISCH A., GRILL D, TAUSZ M., FERRETTI M. (2003). Changes in antioxidant and pigment pool dimensions in UV-B irradiated maize seedlings. ENVIRONMENTAL AND EXPERIMENTAL BOTANY, vol. 50, p. 149-157, ISSN: 0098-8472, DOI: 10.1016/S0098-8472(03)00020-0
53. PIZZEGHELLO D., FERRETTI M., MASI A., NARDI S. (2003). Water-soluble phenolic acids in soil under silver fir forests . FRESENIUS ENVIRONMENTAL BULLETIN, vol. 12(7), p. 984-988, ISSN: 1018-4619
54. MASI A., GHISI R., FERRETTI M. (2002). Measuring low-molecular-weight thiols by detecting the fluorescence of their SBD-derivatives: application to studies of diurnal and UV-B induced changes in Zea mays L. JOURNAL OF PLANT PHYSIOLOGY, vol. 159, p. 499-507, ISSN: 0176-1617
55. GHISI R., TRENTIN A., MASI A., FERRETTI M. (2002). Carbon and nitrogen metabolism in barley plants exposed to UV-B radiation. PHYSIOLOGIA PLANTARUM, vol. 116, p. 200-205, ISSN: 0031-9317, DOI: 10.1034/j.1399-3054.2002.1160209.x
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57. MASI A., MELIS A. (1997). Morphological and molecular changes in the unicellular green alga Dunaliella salina grown under supplemental UV-B radiation: cell characteristics and photosystem-II damage and repair properties. BIOCHIMICA ET BIOPHYSICA ACTA, vol. 1321, p. 183-193, ISSN: 0006-3002, DOI:

10.1016/S0005-2728(97)00054-6