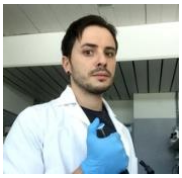
Curriculum Vitae Europass



Personal infomation

Surname/First Name	**Dr. Guido Domingo, *Ph.D.***
Address	Via Padre Giuliani 748e, Cavaria con Premezzo (VA)
Telephone	3391432983
C.F.	DMNGDU80T25L319E
E-mail	g.domingo@uninsubria.it; guidodomingo.biologo@gmail.com
Nationality	Italiana
Place and date of birth	Tradate (VA), 25/12/1980
Gender	M

Work experience

Dates	From June 2021 to today
Occupation and position held	RTDA researcher. **Plant Physiology (pro lo: S.S.D. BIO/04 - Fisiologia Vegetale).**
Main activities and responsabilities	Physiological analysis in plants subjected to abiotic and biotic stress. Investigation of the role of rhizosphere microbial communities for a sustainable crop improvement. Proteomic and phosphoproteomic analyzes. Analysis of proteins and enriched phosphopeptides, via liquid chromatography combined with tandem mass spectrometry (LC-MS / MS). Quantification of proteins and differentially expressed phosphosites through a "gel and free label" approach. Proteomic bottom-up. Western Blot Analysis. Bioinformatic analysis ('OMICS' Data Processing, Enrichment Analysis, Protein-Protein Interaction Networks Analysis, Blast, Upstream Motif Enrichment Analysis, etc.). Statistical analysis, even in statistical environment R (R-Studio).
Name and address of employer	University of the Insubria (Varese, Italy). Department of biotechnology and life sciences (DBSV). Laboratory of plant physiology
Type of business or sector	Scientific research

Work experience

Dates	November 2020 to February 2021
Occupation and position held	Research fellow for a project entitled: "Post-translational modifications dependent on c-AMP in TBY-2 cells"

Main activities and responsabilities	Physiological analyzes in mutants of Arabidopsis subjected to heat stress. Proteomic and phosphoproteomic analyzes in tobacco plant cells. Analysis of proteins and enriched phosphopeptides, via liquid chromatography combined with tandem mass spectrometry (LC-MS / MS). Quantification of proteins and differentially expressed phosphosites through a "gel and free label" approach. Proteomic bottom-up. Western Blot Analysis. Bioinformatic analysis ('OMICS' Data Processing, Enrichment Analysis, Protein-Protein Interaction Networks Analysis, Blast, Upstream Motif Enrichment Analysis, etc.). Statistical analysis, even in statistical environment R (R-Studio)
Name and address of employer	University of the Insubria (Varese, Italy). Department of biotechnology and life sciences (DBSV). Laboratory of plant physiology
Type of business or sector	Scientific research

Work experience

Dates	From August 2020 to June 2021
Occupation and position held	Contract teacher (co.co.co)
Main activities and responsabilities	Teacher for molecular biology laboratories (degree course in biological sciences; 4 cfu)
Name and address of employer	Università Telematica eCampus
Type of business or sector	Teaching

Work experience

Dates	From August 2019 to July 2020
Occupation and position held	Junior research fellow for "Contribution from cellular signaling mediated by cAMP in the response to heat in plants
Main activities and responsabilities	Physiological analyzes in mutants of Arabidopsis subjected to heat stress. Proteomic and phosphoproteomic analyzes in tobacco plant cells. Analysis of proteins and enriched phosphopeptides, via liquid chromatography combined with tandem mass spectrometry (LC-MS / MS). Quantification of proteins and differentially expressed phosphosites through a "gel and free label" approach. Proteomic bottom-up. Western Blot Analysis. Bioinformatic analysis ('OMICS' Data Processing, Enrichment Analysis, Protein-Protein Interaction Networks Analysis, Blast, Upstream Motif Enrichment Analysis, etc.). Statistical analysis, even in statistical environment R (R-Studio)
Name and address of employer	University of the Insubria (Varese, Italy). Department of biotechnology and life sciences (DBSV). Laboratory of plant physiology
Type of business or sector	Scientific research

Work experience

Dates	From November 2019 to May 2021
Occupation and position held	Associate Biologist

Main activities and responsabilities	Associated member (co-owner) of Econoscenza studio associato. Development and research in the agro-food sector; consultancy for certifications; environmental assessments (environmental incidence studies); Training activity
Name and address of employer	ECONOSCENZA di dr. Guido Domingo e dr. Luca Bianchi Biologi Associati
Type of business or sector	Services and training of professional consulting

Work experience

Dates	From September 2017 to July 2019
Occupation and position held	Researcher co.co.co.
Main activities and responsabilities	Peptidomic and proteomic analyzes, in various organic matrices, through liquid chromatography combined with tandem mass spectrometry (ESI-MSMS). Bioinformatic analysis ('OMICS' Data Processing). Statistical analysis, even in statistical environment R (R-Studio)
Name and address of employer	CARLO BESTA Neurological Institute of Milano (operational headquarters at the Molecular Markers Laboratory, IRCCS Istituto Centro San Giovanni di Dio-Fatebenefratelli Brescia)
Type of business or sector	Scientific research

Work experience

Dates	From April 2016 to September 2016
Occupation and position held	Research fellow for project entitled “Gel free proteomics data analysis of total protein extracts from bacterial and human cells treated with nanoparticles”
Main activities and responsabilities	Proteomic analysis, in various organic matrices, via liquid chromatography combined with tandem mass spectrometry (LC-MS / MS). Quantification of proteins through a "gel and free label" approach. Proteomic bottom-up. Western Blot Analysis. Bioinformatic analysis ('OMICS' Data Processing, Enrichment Analysis, PPI Networks Analysis, etc.). Statistical analysis, even in statistical environment R (R-Studio)
Name and address of employer	University of the Insubria (Varese, Italy). Department of biotechnology and life sciences (DBSV). Laboratory of plant physiology
Type of business or sector	Scientific research

Work experience

Dates	From September 2015 to October 2019
Occupation and position held	Freelance biologist. Num. Registration: AA_063746
Main activities and responsabilities	Professional activity relating to the aspects of its competence: environmental analyzes, development and research in the agri-food sector; consultancy for certifications relating to "management systems", product and process; Environmental assessment studies.
Type of business or sector	Services and training

Work experience

Dates	From November 2012 to April 2013 (replacement of maternity)
Occupation and position held	Laboratory technician (Cat. C1)
Main activities and responsabilities	Proteomic analysis in plants, by liquid chromatography combined with tandem mass spectrometry (LC-MS / MS). Quantification of proteins differentially expressed by 2D electrophoresis. Proteomic bottom-up. Bioinformatic analysis ('omics' data processing, blast, etc.). Metabolomic analysis. Physiological analysis in plants subjected to abiotic stress. Statistical analysis.
Name and address of employer	University of the Insubria (Varese, Italy). Ambiente salute e sicurezza department (DASS). Laboratory of plant physiology
Type of business or sector	Scientific research

Work experience

Dates	From September 2011 to October 2019
Occupation and position held	President of the association and tutor
Main activities and responsabilities	Education and training in scientific areas
Name and address of employer	Associazione Econoscenza (www.econoscenza.it)
Type of business or sector	Education and training in scientific areas

Work experience

Dates	April 2009 to November 2009
Occupation and position held	Research fellow for project entitled: “Monitoring and removal of drug residues in wastewater”
Main activities and responsabilities	Determination of the content of pharmaceutical compounds in surface waters by liquid chromatography combined with tandem mass spectrometry (LC-MS / MS). Statistical and Bioinformatic Analysis
Name and address of employer	University of the Insubria (Varese, Italy). Ambiente salute e sicurezza department (DASS). Laboratory of plant physiology
Type of business or sector	Scientific research

Education and training

Dates	From November 2009 to December 2012
Title of qualification awarded	*Ph.D.* in biotechnology

Main professional skills held	Physiological analyzes on plants subjected to abiotic stress. Study of proteoma in plants exposed to emerging pollutants, carried out with proteomic analysis by liquid chromatography combined with tandem mass spectrometry (LC-MS / MS). Quantification of proteins differentially expressed by mono-and-bi-dimensional electrophoresis. Proteomic bottom-up. Bioinformatic analysis ('omics' data processing, blast, etc.). Statistical analysis, even in statistical environment R (R-Studio). Thesis title: "*Physiological and molecular analysis of the effects of three emerging classes of pollutants on photosynthetic organisms*"
Name and type of organisation providing education	University of the Insubria (Varese, Italy)

Education and training

Dates	December 2008
Title of qualification awarded	State examination / national qualification to the profession of the biologist
Main professional skills held	Knowledge verification of: 1) general biology arguments, environmental and clinical microbiology, biochemical and molecular techniques, chemistry of the environment and toxicology; 2) national and community legislation (ISO 9001, ISO 14000, ISO IEC 17025, OHSAS 18001, SA 8000, Legislative Decree 81/2008) with particular reference to biological / chemical test laboratories. Verification of technical skills through practical test.
Name and type of organisation providing education	University of the Insubria (Varese, Italy)

Education and training

Dates	From September 2004 to October 2008
Title of qualification awarded	Master's degree in Biological Sciences (vote 110/110)
Main professional skills held	Physiological analyzes on plants subjected to abiotic stress. Proteomics study in plants exposed to hexavalent chromium and pharmacologically active compounds, carried out with proteomic analysis by liquid chromatography combined with tandem mass spectrometry (LC-MS / MS). Quantification of proteins differentially expressed by mono-and-bi-dimensional electrophoresis. Proteomic bottom-up. Bioinformatic analysis ('omics' data processing, blast, etc.). Statistical analysis, even in statistical environment R (R-Studio). Thesis title: "*Effects of hexavalent chromium and pharmacologically active metabolites of P.subcapitata and Zea mays*."
Name and type of organisation providing education	University of the Insubria (Varese, Italy)

Education and training

Dates	From September 1999 to March 2004
Title of qualification awarded	Bachelor's Degree in Biological Sciences (grade 110/110)

Main professional skills held	Development of techniques for the purification and characterization of the photosynthetic apparatus of the green bacterium *Chloroflexus aurantiacus*. Thesis title: "*Purification and characterization of the photosynthetic apparatus of the green bacterium Chloroflexus aurantiacus: fluorescence emission at different redox conditions*."
Name and type of organisation providing education	University of the Insubria (Varese, Italy)

Most important academic activities

Dates	*Academic year 2021/2022 and 2022/2023*
Type of didactic activity	Teacher for the PLANTS AS FACTORIES FOR BIOMOLECULES course. Degree course in Biotechnology for the Bio-based and Health Industry (6 CFU) at the University of Insubria in Varese.
Dates	*Academic year 2021/2022*
Type of didactic activity	Teacher for the PLANT PHYSIOLOGY course. Degree course in Cellular Biology (1 CFU) at the University of Insubria in Varese.
Dates	*Academic year 2020/2021*
Type of didactic activity	*Cultore della materia* for the teaching of Plant Physiology and Plant Molecular Biology of the degree courses in Biological Sciences and Biotechnology at the University of Insubria in Varese. *Cultore della materia* for teaching the module of Plant Biology in Plant Animal Biology of the degree course in Biotechnology at the University of Insubria in Varese
Dates	*From August 2020 to May 2021*
Type of didactic activity	Teacher for Molecular Biology laboratories (4 credits) for the Degree Course in Biological Sciences at the eCampus Telematic University.
Dates	*Academic year 2019/2020*
Type of didactic activity	*Cultore della materia* for the teaching of Plant Molecular Biology of the degree courses in Biological Sciences and Molecular Biology-module of Molecular Plant Biology of the degree course in Biotechnology at the University of Insubria in Varese
Dates	*Academic year 2010/2011*
Type of didactic activity	Grant holder for supplementary educational tutoring activities for the plant biotechnology course (Prof. Marcella Bracale) at the Insubria University of Varese
Dates	*Academic year 2011/2012*

Type of didactic activity	Grant holder for supplementary educational tutoring activities for the plant biotechnology course (Prof. Marcella Bracale) at the Insubria University of Varese
Dates	*From November 2009*
Type of didactic activity	Co-supervisor of more than 10 degree theses in Biological Sciences and Biotechnology. Supervisor of over 20 undergraduate, graduate and doctoral students

Editorial Boards, Scientific Committees e Networks

From February 2023
Member of the editorial board (Associate Editor) of AoB PLANTS (ISSN: 2041-2851; Impact Factor 2021: 3.138)

From November 2022
Editor for the special issue "Application of Proteomics Technology in Plant Stress Biology" for *Plants* (ISSN 2223-7747; Impact Factor 2021: 4.658)

Members of the International Plant Proteomics Organization (inPPO; https://inppo.org/)

Members of Italian Society of Plant Biology (SIBV).

Partecipation to research projects

Dates	*From April 2023 to today*
Type of project	Associated investigator in the research project entitled: " A circular bioeconomy approach applied to the production of chitin for green biotechnologies" funded by the Italian Ministry of University and Research as part of the 2022 competitive projects. Head of Prof. Gianluca Molla at the Department of Biotechnology and Life Sciences (DBSV) of the University of Insubria in Varese. Use of chitin obtained from a waste biomass consisting of exuviae (exoskeleton remains) as biostimulants and bioprotectors for species of agronomic interest.
Dates	*From August 2019 to February 2021*

Type of project	Participation in the research project entitled: "Contribution of cell signaling mediated by cAMP in the response to heat stress in plants" as research fellow. Head of Prof. Candida Vannini at the Department of Biotechnology and Life Sciences (DBSV) of the University of Insubria in Varese. Proteomic and phosphoproteomic analyzes were carried out in plant cells in which the cAMP content had been reduced, and following exposure to heat stress
Dates	*From August 2019*
Type of project	Participation in the research project entitled: “Signaling the Organelle Unfolded Protein response (SOUP)” (2019-2021). Head of Prof. Candida Vannini at the Department of Biotechnology and Life Sciences (DBSV) of the University of Insubria in Varese. Peptidomic analyzes in heat-stressed chloroplasts and proteomic analyzes in Arabidopsis mutants were carried out
Dates	*From April 2016 to September 2016*
Type of project	Participation in the research project funded by the CARIPLO foundation and Agropolis Fondation entitled: "Mic-Ceres (Microbial eco-compatible strategies for improving wheat quality traits and rhizospheric soil sustainability) (2014-2016) as research fellow. Head of Prof. Marcella Bracale at the Department of Biotechnology and Life Sciences (DBSV) of the University of Insubria in Varese. As part of the project, proteomic analyzes of wheat plants grown in the presence of mycorrhizal fungi and / or Plant Growth-Promoting Bacteria (PGPR) were carried out.
Dates	*From April 2016 to September 2016*
Type of project	Participation, as research fellow, in the project funded by the CARIPLO foundation entitled: "NanoGut - Unraveling the effects of food-related engineered NANOparticles on the GUT interactive ecosystem" (2014-2016). Head of Prof. Marcella Bracale at the Department of Biotechnology and Life Sciences (DBSV) of the University of Insubria in Varese. Proteomic analyzes of E. coli cells exposed to silver nanoparticles were carried out
Date	*From August 2010 to May 2011*
Type of project	Participation, as research fellow, in the research project entitled: “Molecular characterization and crops of plant species for reintroduction”. Head of Prof. Marcella Bracale at the Environment-Health-Safety Department of the University of Insubria in Varese. Physiological and molecular analyzes were carried out aimed at characterizing plant species for reintroduction
Dates	*From August 2009 to June 2010*
Type of project	Participation, as research fellow, in the research project funded by PRIN 2007 entitled: "Monitoring and removal of drug residues from waste water". Head of prof. Fabio Conti at the Environment-Health-Safety department of the University of Insubria in Varese. Mass spectrometry analyzes were carried out to determine the content of pharmacologically active compounds in surface waters

Submitted research projects

Marzo 2022
Submitted project for PRIN 2022 entitled: ROOTEM: understanding the role of ROOT Exudation in drought stress response of wheat and its associated Microbiota (Prot. 2022P9YM3A) as associated investigator.

Personal skills

Mother tongue(s) **Italian**

Other language(s)

Self-assessment	**Understanding**		**Speaking**		**Writing**
European level (*)	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B2	C1

(*) Quadro comune europeo di riferimento per le lingue

Social skills and competences

Social intelligence: excellent
Interpersonal influence: excellent
Communication skills: excellent
Negotiation skills: excellent
Predisposition for team work: excellent

Organisational skills and competences

Decision making: excellent
Initiative: excellent
Realization energy: excellent
Planning: excellent
Coordination: excellent
Pay attention to time constraints: good

Technical skills and competences

Physiological, biomolecular, morphological analyzes in plant organisms. 'Omics' analysis, mainly proteomics and peptidomics. Liquid chromatography combined with tandem mass spectrometry (LC-MS / MS). One- and two-dimensional electrophoresis. Western blot analysis. Bioinformatics analysis ('omics' data processing, enrichment analysis, protein-protein interaction PPI networks analysis, BLAST, upstream motif enrichment analysis, etc. ..). Statistical analysis. Environmental analyzes, environmental impact studies, environmental biomonitoring studies, training.

Computer skills and competences

ADVANCED user in the following areas: bioinformatics analysis for 'omics' data processing (MaxQuant, Mascot, Bioworks), database analysis, statistical analysis (Perseus, R-studio), 3d modeling. Excellent use of the Office package. Excellent knowledge of image processing software: adobe Photoshop; imagej.

Other skills and competences	I have been singing and playing the guitar since the age of 15
Driving license	B type

Scientific publications

1. **Domingo G***, Marsoni M, Chiodaroli L, Fortunato S, Bracale M, De Pinto MC, Gehring C, Vannini C. Quantitative phosphoproteomics reveals novel roles of cAMP in plants. PROTEOMICS, 2023. Online ahead of print, doi: 10.1002/pmic.202300165
Corresponding author

2. **Domingo G**, Vannini C, Marsoni M, Costantini E, Bracale M, Di Iorio A. A multifaceted approach to reveal the very-fine root's response of Fagus sylvatica seedlings to different drought intensities. *Physiologia Plantarum.*, 2023, Online ahead of print, p. 1-15, doi: 10.1111/ppl.13934

3. **Domingo G***, Vannini C, Bracale M, Bonfante P. Proteomics as a tool to decipher plant responses in arbuscular mycorrhizal interactions: a meta-analysis. *Proteomics*. 2023; 23(6), art. no. 2200108. *doi: 10.1002/pmic.202200108*
Corresponding author

4. **Domingo G***, Marsoni M, Álvarez-Viñas M, Torres M.D, Domínguez H, Vannini C. The role of protein-rich extracts from Chondrus crispus as biostimulant and in enhancing tolerance to drought stress in tomato plants. *Plants*. 2023; 12(4), art. no. 845. doi: 10.3390/plants12040845
Corresponding author

5. **Domingo G***, Chiodaroli L, Parola S, Marsoni M, Bracale M, Vannini C. Proteomic characterization of Shiitake (Lentinula edodes) post-harvest fruit bodies grown on hardwood logs and isolation of an antibacterial serine protease inhibitor. *Fungal Biology.* 2023;127(1-2): 881-890. doi.org/10.1016/j.funbio.2022.11.004
Corresponding author

6. Mancini I, **Domingo G***, Bracale M, Loreto F, Pollastri S. Isoprene Emission Influences the Proteomic Profile of Arabidopsis Plants under Well-Watered and Drought-Stress Conditions. *International Journal of Molecular Sciences*. 2022; 23(7):3836. doi: 10.3390/ijms23073836
Corresponding author

7. Álvarez-Viñas M, González-Ballesteros N, Torres MD, López-Hortas L, Vanini C, **Domingo G**, Rodríguez-Argüelles MC, Domínguez H. Efficient extraction of carrageenans from Chondrus crispus for the green synthesis of gold nanoparticles and formulation of printable hydrogels. *Int J Biol Macromol*. 2022 May 1;206:553-566. doi: 10.1016/j.ijbiomac.2022.02.145

8. Venice F, Chialva M, **Domingo G**, Novero M, Carpentieri A, Salvioli di Fossalunga A, Ghignone S, Amoresano A, Vannini C, Lanfranco L, Bonfante P. Symbiotic responses of Lotus japonicus to two isogenic lines of a mycorrhizal fungus differing in the presence/absence of an endobacterium. *Plant Journal*. 2021;108(6):1547-1564. doi: 10.1111/tpj.15578

9. **Domingo G**, Benussi L, Saraceno C, Bertuzzi M, Nicsanu R, Longobardi A, Bellini S, Cagnotto A, Salmona M, Binetti G, Ghidoni R. N-Terminally Truncated and Pyroglutamate-Modified Aβ Forms Are Measurable in Human Cerebrospinal Fluid and Are Potential Markers of Disease Progression in Alzheimer's Disease. *Front Neurosci.* 2021 Jul 29;15:708119. doi: 10.3389/fnins.2021.708119

10. Vannini C*, **Domingo G***, Fiorilli V*, et al. Proteomic analysis reveals how pairing of a Mycorrhizal fungus with plant growth-promoting bacteria modulates growth and defense in wheat. *Plant Cell Environ*. 2021; 44: 1946– 1960. doi.org/10.1111/pce.14039
** Vannini C, Domingo G and Fiorilli V should be considered joint first author*

11. Paradiso A*, **Domingo G***, Blanco E, Buscaglia A, Fortunato S, Marsoni M, Scarcia P, Caretto S, Vannini C, de Pinto MC. Cyclic AMP mediates heat stress response by the control of redox homeostasis and ubiquitin-proteasome system. *Plant Cell Environ*. 2020; 43: 2727– 2742. doi: 10.1111/pce.13878
** Paradiso A* and *Domingo G should be considered joint first author*

12. **Domingo G,** Villa F, Vannini C, Garuglieri E, Onelli E, Bracale M, Cappitelli F. Label-Free Proteomic Approach to Study the Non-lethal Effects of Silver Nanoparticles on a Gut Bacterium. *Frontiers in microbiology*, *10*, 2709. doi: 10.3389/fmicb.2019.02709

13. Vannini C, Marsoni M, Scoccianti V, Ceccarini C, **Domingo G**, Bracale M, Crinelli R. (2019). Proteasome-mediated remodeling of the proteome and phosphoproteome during kiwifruit pollen germination. *Journal of proteomics*, *192*, 334–345. doi: 10.1016/j.jprot.2018.09.014

14. Fiorilli V, Vannini C, Ortolani F, Garcia-Seco D, Chiapello M, Novegro M, **Domingo G**, Terzi V, Morcia C, Bagnaresi P, Moulin L, Bracale M, Bonfante P. (2018). Omics approaches revealed how arbuscular mycorrhizal symbiosis enhances yield and resistance to leaf pathogen in wheat. *Scientific reports*, *8*(1), 9625. doi.org/10.1038/s41598-018-27622-8

15. **Domingo G**, Bracale M and Vannini C. (2018). Phytotoxicity of silver nanoparticles to aquatic plants, algae, and microorganisms. In Nanomaterials in Plants, Algae and Microorganisms: Concepts and Controversies: Volume 2. Elsevier Inc. pp. 143–168. doi:10.1016/B978-0-12-811488-9.00008-1

16. Vannini C, **Domingo G**, Onelli E, De Mattia F, Bruni I, Marsoni M, Bracale M (2014). Phytotoxic and genotoxic effects of silver nanoparticles exposure on germinating wheat seedlings. *Journal of Plant Physiology*, vol. 171, p. 1142-1148. doi: 10.1016/j.jplph.2014.05.002

17. Vannini C, **Domingo G**, Onelli E, Prinsi B, Marsoni M, Espen L, Bracale M (2013). Morphological and Proteomic Responses of Eruca sativa Exposed to Silver Nanoparticles or Silver Nitrate. *Plos One*, vol. 8, ISSN: 1932-6203, doi: 10.1371/journal.pone.0068752

18. Vannini C, **Domingo G**, Marsoni M, De Mattia F, Labra M, Castiglioni S, Bracale M (2011). Effects of a complex mixture of therapeutic drugs on unicellular algae Pseudokirchneriella subcapitata. *Aquatic Toxicology,* vol. 101, p. 459-465, ISSN: 0166-445X, doi: 10.1016/j.aquatox.2010.10.011

19. Vannini C, **Domingo G**, Marsoni M, Fumagalli A, Terzaghi R, Labra M, De Mattia F, Onelli E, Bracale M (2011). Physiological and molecular effects associated with palladium treatment in Pseudokirchneriella subcapitata. *Aquatic Toxicology*, vol. 102, p. 104-113, ISSN: 0166-445X, doi: 10.1016/j.aquatox.2011.01.002

20. Vannini C, **Domingo G**, Marsoni M, Bracale M, Sestili S, Ficcadenti N, Speranza A, Crinelli R, Carloni E, Scoccianti V (2011). Proteomic changes and molecular effects associated with Cr(III) and Cr(VI) treatments on germinating kiwifruit pollen. *Phytochemistry*, vol. 72, p. 1786-1795, ISSN: 0031-9422, doi: 10.1016/j.phytochem.2011.06.001

21. **Domingo, G**., Schirmer, K., Bracale, M., & Pomati, F. (2011). Illicit Drugs in the Environment: Implication for Ecotoxicology. In S. Castiglioni, E. Zuccato, & R. Fanelli (Eds.), *Illicit Drugs in the Environment: Occurrence, Analysis, and Fate Using Mass Spectrometry* (pp. 253-274).

22. Vannini, C., Marsoni, M., **Domingo, G**., Antognoni, F., Biondi, S., & Bracale, M. (2009). Proteomic analysis of chromate-induced modifications in Pseudokirchneriella subcapitata. *Chemosphere*, *76*(10), 1372–1379. https://doi.org/10.1016/j.chemosphere.2009.06.022

Accepted papers

1. Tadini L, Jeran N, Domingo G, Zambelli F, Masiero S, Calabritto A, Costantini E, Forlani S, Marsoni M, Briani F, Vannini C, Pesaresi P. Perturbation of protein homeostasis brings plastids at the crossroad between repair and dismantling. *PLOS Genetics*.

Partecipation in national and international congresses

1. **Domingo G.**, Marsoni M., De Pinto M.C., Fortunato S., Bracale M., Vannini C. The cAMP-dependent phosphorylation footprint in the response to heat of tobacco cells. International congress of International Plant Proteomics Organization (InPPO). Salonicco,Grecia, 22-25/05/23. Oral communication

2. **Domingo G**, De Pinto MC, Fortunato S, Marsoni M, Bracale M, Vannini C. Phosphoproteomic analysis reveals novel mechanisms by which cAMP affects cellular processes and response to heat in tobacco cells. XVI FISV Congress 2022. 14-16 September 2022, Portici, Naples, Italy. Oral communication

3. **Domingo G**, Vannini C, Fiorilli V, Garçia Seco D, Novero M, Marsoni M, Wisniewski-Dyé F, Bracale M, Moulin L, Bonfante P. Proteomic analysis reveals how pairing of a Mycorrhizal Fungus with Plant Growth-Promoting Bacteria modulates growth and defense in wheat. Plant Biology Europe PBE 2021. 28 June-1 July 2021. Oral communication

4. **Domingo G**, Paradiso A**,** Marsoni M., Blanco E., Vannini C., De Pinto M.C. Heat stress response in Tobacco BY-2 cells impaired in cAMP content. VISCEA. Plant Abiotic Stress Tolerance VI Vienna, Austria. February 2020. Oral communication

5. **Domingo G.**, Bracale M., Marsoni M., Erba D., Garuglieri E., Cappitelli F., Vannini C. Unravelling the effects of food-related engineered nanoparticles on the GUT interactive ecosystem. FISV 2016 XIV Congress Rome,Italy. 20-23 September 2016. Poster communication

6. **Domingo G**., Vannini C., Marsoni M. e M. Bracale. Molecular effects of silver nanoparticles on Eruca sativa. XI national congress of biotecnnology CNBXI, Varese 27-29 June 2012. Oral communication

7. **Domingo G**.; Vannini C.; Onelli E.; Marsoni M.; Prinsi B.; Bracale M. Physiological and molecular effects of PVP-coated silver nanoparticles on Eruca sativa: a comparison of nanometals versus metal ions. Plant Biology Congress Freiburg, 29 Luglio- 3 Agosto 2012. Poster communication

8. Vannini C., **Domingo G.**, Marsoni M., Fumagalli A., Labra M., De Mattia F. and M. Bracale. Effects of palladium nanoparticles on Pseudokirchneriella subcapitata. 14th International Biotechnology Symposium and Exhibition. Rimini, 14-18 September 2010**.** Poster communication

9. Vannini C., **Domingo G.**, Marsoni M., Fumagalli A., Labra M., De Mattia F. and M. Bracale. Toxicity of palladium to freshwater green alga P. subcapitata. SIBV 2010, Roma 12- 4/07/2010. Partecipazione con poster.

10. **Domingo G**. Partecipation to the conference "Sulle orme di Davide Calamari". Effetti di una miscela complessa di farmaci sul profilo proteico dei semi di mais in germinazione. Varese, 23/05/2008. Oral communication

11. Vianelli A., Armiento D., **Domingo G.**, Leonforte L. and P.D Gerola. Fluorescence quenching induced by oxidizing conditions in the green non-sulfur bacterium Chloroflexus aurantiacus: a proposed ecophysiological significance in hot spring microbial mats. 5° Convegno FISV, Rimini 10-13/10/2003. Poster communication

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 del Regolamento UE 2016/679 relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali.

Data

04/06/23

Firma