

PERSONAL INFORMATION



NAME Oswaldo Failla
ADDRESS
TELEPHONE
E-MAIL osvaldo.failla@unimi.it
NATIONALITY Italian
DATE OF BIRTH 10-02-1960

POSITION Full Professor of General Arboriculture and Tree growing
 Member of the teaching board of the Ph.D course in Agriculture, Environment and Bioenergy of the Università degli studi di Milano.

WORK EXPERIENCE

In July 1984, graduated with a first-class honour degree in Agricultural Science from the University of Milan.
 In October 1985, qualification for the profession of Agronomist.
 In the 1985-1987 two years period research grant at the Institute of Arboriculture of the University of Milan for a programme of “Grapevine breeding for the Pavia province”.
 In September 1988, admission for attending the IV Doctorate Course on “Plant Biology and Crop Yield” at the Faculty of Agriculture of the University of Milan.
 In May 1992, title of Doctor of Research (PhD).
 From June 1992 to December 2004 Researcher at the Institute of Arboriculture in the Faculty of Agriculture, of the University of Milan.
 From 2004 to 2015 (May) Associate Professor of Arboriculture and Fruit tree growing of the University of Milan.
 Director of the Department of Agricultural and Environmental Sciences of the Università degli studi di Milano (2017-2020)
 Member of the Academic Senate of the University of Milan (2017-2020)

EDUCATION AND TRAINING

Master degree in Agricultural Sciences
 PhD in Biology and productivity of cultivated plant

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	English	B2	B2	B2	B2

Communication skills Good communication skills gained through my experience as researcher and teacher.

Organisational / managerial skills Leadership (2017-2020 Director of the Department).

Digital skills	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	proficient user	independent user	independent user	independent user	independent user

Replace with name of ICT-certificates

- Good command of office suite (word processor, spread sheet, presentation software)

Driving licence B

ADDITIONAL INFORMATION

Teaching activities at the present:
 Grapevine biology

Main scientific interest at the present.
 Genetics and functional genomic of grapevine resistance to fungal diseases
 Grapes maturation and quality.
 Wild and cultivated grapevines germplasm preservation and evaluation.
 Grapevine rootstock breeding

International designation

Chair of the COST action FA1003 "East-West Collaboration for Grapevine Diversity Exploration and Mobilization of Adaptive Traits for Breeding" (2010-2014).

Member of the scientific and technical board of CERVIM - Centre of research Enhancement and preservation of the heritage created by the wine-growing mountain and steep.

Member of the International Society for Horticultural Science.

National designation

President of the Museum of Agricultural History, since 2020 and Director from 2008 to 2019

Vice President of the Società Agraria di Lombardia, since 2022

President of the Milan Association of Graduated in Agricultural Science since 2000.

Ordinary member of the Accademia italiana della Vite e del Vino, since 2018 (previously correspondent member).

Member of the Accademia dei Georgofili, since 2024 (previously correspondent member).

Member of the Italian and International Societies for Horticultural Science.

Scientific awards

Attainment of 11th and 15th editions of the "Giuseppe Morsiani" International award in Enology and Viticulture.

Attainment of the Prix OIV 2011 (Histoire et Littérature section) and 2013 (Viticulture).

With 120 publications on viticulture, which totalled 1439 citations (12 per paper), according to the Australia Journal of Grape and Wine Research he is the most prolific researcher in the sector between 1950 and 2020. (Cimini, A. , & Moresi, M. (2022). Research trends in the oenological and viticulture sectors. Australian Journal of Grape and Wine Research, 28 (3), 475-491. <https://doi.org/10.1111/ajgw.12546>).

Publications (see appendix)

Author of more than 200 publications including research papers, short communications, reviews, articles and handbook chapters on science and cultivation of grapevines and fruit trees.



June, 2026

Personal information

I authorize the handling of personal information in this curriculum, according to D.Lgs n. 196/03 and following modifications and Regulations EU 679/2016 (General Regulations concerning Data Protection or GRDP) and art. 7 of University Regulations concerning protection of personal information.

I authorize, according to D.lgs 14/03/2013 n. 33 concerning transparency, in case of conferment of the position and of the fellowship, the publication of this curriculum in the web site of Università degli Studi di Milano in the section "Amministrazione trasparente", "Consulenti e collaboratori".

ANNEX: LIST OF INTERNATIONAL PUBLICATIONS

PEER REVIEWED PAPERS

1. MAGHRADZE, D., REHMAN, S., DIMAGLIE, M., ROSSETTI, G., KIKILASHVILI, S., KIKVADZE, M., SHAMUGIA, A., GOTSIRIDZE, O., CHUTLASHVILI, A., FAILLA, O., & RUSTIONI, L. . (2026). The germinability of fermented seeds could represent an inadvertent selective bottleneck during grapevine domestication. *VITIS - Journal of Grapevine Research*, 65, Art. 11, 9 pp. <https://doi.org/10.5073/vitis.2026.65.11>
2. RICCIARDI, V., GHERARDI, M., COLA, G., FAILLA, O., MAGHRADZE, D., & DE LORENZIS, G. (2026). Georgian wild grapevine germplasm is confirmed to be genetically distinct from Mediterranean germplasm. *OENO One*, 60(1). <https://doi.org/10.20870/oeno-one.2026.60.1.9524>
3. MAGHRADZE, D., REHMAN, S., CHUTLASHVILI, A., KIKILASHVILI, S., KIKVADZE, M., SHAMUGIA, A., ... RUSTIONI, L. (2025). Differences in rooting ability between wild and cultivated *Vitis vinifera*. *OENO One*, 59(3). <https://doi.org/10.20870/oeno-one.2025.59.3.9371>
4. PORTACCIO, L., PAISSONI, M. A., GIACOSA, S., PASSERA, A., BARBIERI, C., MAGHRADZE, D., ROLLE, L., GERBI, V., FAILLA, O., BIANCO, P. A., & QUAGLINO, F. (2025). Performance of Georgian Grapevine Varieties in a Vineyard Infected by Flavescence Dorée Phytoplasma in Piedmont, Northwestern Italy. *Agriculture*, 15(18), 1988. <https://doi.org/10.3390/agriculture15181988>
5. RICCIARDI V., A. MINIO, M. MASSONNET, A.H.J. WITTENBERG, R. FIGUEROA-BALDERAS, D. MAGHRADZE, S.L. TOFFOLATTI, O. FAILLA, D. CANTU, G. DE LORENZIS The genome of *Vitis vinifera* cv. Mgaloblishvili reveals resistance and susceptibility factors to downy mildew in the Rpv29 and Rpv31 loci. *Horticulture Research*. ISSN 2052-7276. - (2025). [Epub ahead of print] [10.1093/hr/uhaf055]
6. COLA, G., DE LORENZIS, G., FAILLA, O., KVALIASHVILI, N., KIKILASHVILI, S., KIKVADZE, M., MAMASAKHLISASHVILI, L., MDINARADZE, I., CHIPASHVILI, R., & MAGHRADZE, D. (2025). The Status of Wild Grapevine (*Vitis vinifera* L. subsp. *sylvestris* (C.C. Gmel.) Hegi) Populations in Georgia (South Caucasus). *Plants*, 14(2), 232. <https://doi.org/10.3390/plants14020232>
7. RICCIARDI V., M CRESPIAN, G. MADDALENA, D. MIGLIARO, L. BRANCADORO, D. MAGHRADZE, O. FAILLA, S. L. TOFFOLATTI, G. DE LORENZIS (2024). Novel loci associated with resistance to downy and powdery mildew in grapevine. *Frontiers In Plant Science*, vol. 15, p. 1-14, ISSN: 1664-462X, doi: 10.3389/fpls.2024.1386225
8. BITSADZE N., S. KIKILASHVILI, R. CHIPASHVILI, L. MAMASAKHLISASHVILI, T. MAGHRADZE, M. KIKVADZE, S. L. TOFFOLATTI, G. DE LORENZIS, O. FAILLA, R. OCETE RUBIO & D. MAGHRADZE (2024). Resistance to downy mildew in wildy growing Eurasian *Vitis vinifera* L. grapevines. *Journal Of Plant Pathology*, 106, pages 1759–1771
9. KIKVADZE M., S. KIKILASHVILI, N. BITSADZE, T. MAGHRADZE, G. DE LORENZIS, R. OCETE, D. RIVERA, R. BACILIERI, O. FAILLA, D. MAGHRADZE (2024). Wildly growing Eurasian grapevine (*Vitis vinifera* L.) in Georgia: composition, research and efforts for the preservation. *Acta Horticulturae*, vol. 1385, p. 19-24, ISSN: 0567-7572, doi: 10.17660/ActaHortic.2024.1385.3
10. FINI A., VIGEVANI I., CORSINI D., WEŻYK P., BAJOREK-ZYDRONĀ K., FAILLA O., CAGNOLATI E., MIELCZAREK L., COMIN S., GIBIN M., PASQUINELLI A., FERRINI F., VISKANIC, P. (2023). CO₂-assimilation, sequestration, and storage by urban woody species growing in parks and along streets in two climatic zones. *Science of the Total Environment*, vol. 903, p. 1-18, ISSN: 1879-1026, doi: 10.1016/j.scitotenv.2023.166198
11. PIOMBINO, P.; PITTARI, E.; GENOVESE, A.; BELLINCONTRO, A.; FAILLA, O.; MOIO, L. 2023 Effects of Leaf Removal on Free and Glycoconjugate Aromas of Skins and Pulp of Two Italian Red Grapevine Varieties. *Foods*, 12, 3661. <https://doi.org/10.3390/foods12193661>
12. DOMANDA, C., NUZZO, V., MONTANARO, G., FAILLA, O., RUSTIONI, L. (2023). Trichomes affect grapevine leaf optical properties and thermoregulation. *Theor. Exp. Plant Physiol.* 35, 299–308. <https://doi.org/10.1007/s40626-023-00287-z>
13. MODINA, D., COLA, G., BIANCHI, D., BOLOGNINI, M., MANCINI, S., FOIANINI, I., CAPPELLETTI, A., FAILLA, O., & BRANCADORO, L. (2023). Alpine Viticulture and Climate Change: Environmental Resources and Limitations for Grapevine Ripening in Valtellina, Italy. *Plants* 2023, 12, 2068. <https://doi.org/10.3390/plants12112068>
14. MARCIANÒ, D.; RICCIARDI, V.; MADDALENA, G.; MASSAFRA, A.; MARONE FASSOLO, E.; MASIERO, S.; BIANCO, P.A.; FAILLA, O.; LORENZIS, G.D.; TOFFOLATTI, S.L. 2023 Influence of Nitrogen on Grapevine Susceptibility to Downy Mildew. *Plants*, 12, 263. <https://doi.org/10.3390/plants12020263>

15. RICCIARDI, V., MARCIANÒ, D., SARGOLZAEI, M., FASSOLO, E. M., FRACASSETTI, D., MOSER, M., J, V. S., TAVAKOLE, E., MADDALENA, G., PASSERA, A., CASATI, P., PINDO, M., CESTARO, A., COSTA, A., BONZA, M. C., MAGHRADZE, D., TIRELLI, A., FAILLA, O., BIANCO, P. A., QUAGLINO F., TOFFOLATTI S. L., DE LORENZIS, G. (2022). Dissecting the susceptibility / resistance mechanism of *Vitis vinifera* for the future control of downy mildew. *BIO Web of Conferences* 44, 04002, 1–5.
16. PIOMBINO, P., GENOVESE, A., RUSTIONI, L., MOIO, L., FAILLA, O., BELLINCONTRO, A., & MENCARELLI, F. (2021). Free and glycosylated green leaf volatiles, lipoxygenase and alcohol dehydrogenase in defoliated Nebbiolo grapes during postharvest dehydration. *Australian Journal of Grape and Wine Research*. <https://doi.org/10.1111/ajgw.12521>
17. MARCIANÒ D., RICCIARDI V., MARONE FASSOLO E., PASSERA A., BIANCO P.A., FAILLA O., CASATI P., MADDALENA G., DE LORENZIS G., TOFFOLATTI S.L. (2021) RNAi of a Putative Grapevine Susceptibility Gene as a Possible Downy Mildew Control Strategy. *Frontiers in Plant Science*, 12, 880. <https://www.frontiersin.org/article/10.3389/fpls.2021.667319>. DOI=10.3389/fpls.2021.667319
18. MAGHRADZE, D., KIKILASHVILI, S., GOTSIRIDZE, O., MAGHRADZE, T., FRACASSETTI, D., FAILLA, O., & RUSTIONI, L. (2021). Comparison between the Grape Technological Characteristics of *Vitis vinifera* subsp. *sylvestris* and subsp. *sativa*. *Agronomy* 2021, 11, 472, <https://doi.org/10.3390/agronomy11030472>.
19. SARGOLZAEI, M., RUSTIONI, L., COLA, G., RICCIARDI, V., BIANCO, P. A., MAGHRADZE, D., FAILLA O., QUAGLINO F., TOFFOLATTI S. L., DE LORENZIS, G. (2021). Georgian Grapevine Cultivars: Ancient Biodiversity for Future Viticulture. *Frontiers in Plant Science*, February 2021, Volume 12, Article 630122. <https://doi.org/10.3389/fpls.2021.630122>
20. RICCIARDI, V., MARCIANÒ, D., SARGOLZAEI, M., MADDALENA, G., MAGHRADZE, D., TIRELLI, A., CASATI P., BIANCO, P. A., FAILLA, O., FRACASSETTI, D., TOFFOLATTI, S. L., & DE LORENZIS, G. (2021). From plant resistance response to the discovery of antimicrobial compounds: the role of volatile organic compounds (VOCs) in grapevine downy mildew infection. 160 (Jan.), *Plant Physiology and Biochemistry*, 294–305. <https://doi.org/10.1016/j.plaphy.2021.01.035>
21. MAGHRADZE, D., MELYAN, G., SALIMOV, V., CHIPASHVILI, R., ÍÑIGUEZ, M., PURAS, P., MELENDEZ E., VACA R., OCETE C., RIVERA D., OBÓN C., VALLE J.M., MIRANDA A.R., FAILLA O., OCETE R. (2020). Wild grapevine (*Vitis sylvestris* C. C. Gmel.) wines from the Southern Caucasus region. *OENO One*, 54, 4, 849–862, <https://doi.org/10.20870/oenone.2020.54.4.3720>
22. SARGOLZAEI, M., MADDALENA, G., BITSADZE, N., MAGHRADZE, D., BIANCO, P. A., FAILLA, O., TOFFOLATTI, S. L., LORENZIS, G. DE. (2020). Rpv29, Rpv30 and Rpv31: Three Novel Genomic Loci Associated With Resistance to *Plasmopara viticola* in *Vitis vinifera*. 11 (October), 1–16. <https://doi.org/10.3389/fpls.2020.562432>
23. TOFFOLATTI S. L., DE LORENZIS G., BRILLI M., MOSER M., SHARIATI V., TAVAKOL E., MADDALENA G., PASSERA A., CASATI P., PINDO M., CESTARO A., MAGHRADZE D., FAILLA O., BIANCO P. A., QUAGLINO F. (2020). Novel Aspects on The Interaction Between Grapevine and *Plasmopara viticola*: Dual-RNA-Seq Analysis Highlights Gene Expression Dynamics in The Pathogen and The Plant During The Battle For Infection. *Genes* 2020, 11, 261; doi:10.3390/genes11030261
24. DE LORENZIS, G. RUSTIONI, L. POZZI, C. FAILLA, O. (2020) Disfunctions in the Anthocyanin Accumulation of *Vitis Vinifera* L. Varieties Studied by a Targeted Resequencing Approach. *Journal of Berry Research*, 10, 3: 345-363. DOI: 10.3233/JBR-190478
25. BONONI, M., TATEO, F., FAILLA, O., MARIANI, L., QUAGLIA, G. (2020). Meteorological Based Modeling of $\delta^{18}O$ Values for Wines with the “Prosecco” Controlled Designation of Origin. *American Journal of Enology and Viticulture*, 3, [ajev.2020.19050](https://doi.org/10.5344/ajev.2020.19050). <https://doi.org/10.5344/ajev.2020.19050>
26. RUSTIONI, L., FRACASSETTI, D., PRINSI, B., GEUNA, F., ANCELOTTI, A., FAUDA, V., TIRELLI, A., ESPEN, L., FAILLA, O. (2020). Plant Physiology and Biochemistry Oxidations in white grape (*Vitis vinifera* L.) skins : Comparison between ripening process and photooxidative sunburn symptoms. *Plant Physiology and Biochemistry*, 150 (December 2019), 270–278. <https://doi.org/10.1016/j.plaphy.2020.03.003>
27. PRINSI, B., FAILLA, O., SCIENZA, A., ESPEN, L. (2020). Root Proteomic Analysis of Two Grapevine Rootstock Genotypes Showing Different Susceptibility to Salt Stress. <https://doi.org/10.3390/ijms21031076>
28. COLA G MARIANI L MAGHRADZE D FAILLA O 2020 Changes in thermal resources and limitations for Georgian viticulture. *Australian Journal of Grape and Wine Research*, 26, 29–40. DOI 10.1111/ajgw.12412, ISSN 1322-7130
29. MIGLIARO D DE LORENZIS G DI LORENZO G DE NARDI B GARDIMAN M FAILLA O BRANCADORO L CRESPIAN M 2019 Grapevine Non- *Vinifera* Genetic Diversity Assessed by SSR Markers as a Starting-Point for New Rootstock Breeding Programs. *American Journal of Enology and Viticulture*. 70, 4: 390-397. DOI 10.5344/ajev.2019.18054, ISSN 0002-9254
30. RUSTIONI, L., HERRERA, J. C., FAILLA, O., PETERLUNGER, E., & SIVILOTTI, P. (2019). Stem starch reserves studied by on-solid reactions coupled with reflectance detections in water stressed grapevines. *Vitis - Journal of Grapevine Research*, 58(1), 47–51. <https://doi.org/10.5073/vitis.2019.58.47-51>

31. RUSTIONI L., COLA G., MAGHRADZE D., ABASHIDZE E., ARGIRIOU A., AROUTIOUNIAN R., BRAZÃO J., CHIPASHVILI R., COCCO M., CORNEA V., DEJEU L., EIRAS DIAS J.E., GORYSLAVETS S., IBÁÑEZ J., KOCSIS L., LORENZINI F., MALETIC E., MAMASAKHLISASHVILI L., MARGARYAN K., MAUL E., MDINARADZE I., MELYN G., MICHAILEDIOU S., MOLITOR D., MONTEMAYOR M.I., MUÑOZ-ORGANERO G., NEBISH A., NEMETH G., NIKOLAOU N., POPESCU C.F., PREINER D., RAIMONDI S., RISOVANNAYA V., SAVIN G., SAVVIDES S., SCHNEIDER A., SCHWANDER F., SPRING J.L., UJMAJURIDZE L., ZIOZIOU E., FAILLA O. AND BACILIERI R. (2019) Description of the *Vitis vinifera* L. phenotypic variability in eno-carpological traits by a Euro-Asiatic collaborative network among ampelographic collections, 46, 37–46. doi:10.5073/vitis.2019.58.37-46
32. OCETE, R., RIVERA, D., MAGHRADZE, D., SALIMOV, V., MELYN, G., MUSAYEV, M., OCETE C.A, CHIPASHVILI R., FAILLA O., OBÓN, C. (2018). Support trees and shrubs for the Eurasian wild grapevine in Southern Caucasus. *Annals of Agrarian Science*, 16(4), 427–431. <https://doi.org/10.1016/j.aasci.2018.06.005>
33. RIAZ, S., DE LORENZIS, G., VELASCO, D., KOEHMSTEDT, A., MAGHRADZE, D., BOBOKASHVILI, Z., MUSAYEV, M., ZDUNIC, G., LAUCOU, V., WALKER, M.A., FAILLA, O., PREECE, J.E., ARADHYA, M., ARROYO-GARCIA, R. (2018). Genetic diversity analysis of cultivated and wild grapevine (*Vitis vinifera* L.) accessions around the Mediterranean basin and Central Asia. *BMC Plant Biology*, 18, 137 (1–14). doi:10.1186/s12870-018-1351-0
34. TOFFOLATTI, S. L., DE LORENZIS, G., COSTA, A., MADDALENA, G., PASSERA, A., BONZA, M. C., PINDOM., STEFANI E., CESTARO A., CASATI P., FAILLA O., BIANCO P.A., MAGHRADZE D. QUAGLINO, F. (2018). Unique resistance traits against downy mildew from the center of origin of grapevine (*Vitis vinifera*). *Scientific Reports*, 8(1), 12523. doi:10.1038/s41598-018-30413-w
35. PRINSI, B., NEGRI, A.S., FAILLA, O., SCIENZA, A., ESPEN, L. (2018). Root proteomic and metabolic analyses reveal specific responses to drought stress in differently tolerant grapevine rootstocks. *BMC PLANT BIOLOGY*, vol. 18, 126, ISSN: 1471-2229, doi: 10.1186/s12870-018-1343-0
36. RUSTIONI, L., GROSSI, D., BRANCADORO, L., FAILLA, O. (2018). Iron, magnesium, nitrogen and potassium deficiency symptom discrimination by reflectance spectroscopy in grapevine leaves. *SCIENTIA HORTICULTURAE*, vol. 241, p. 152-159, ISSN: 0304-4238, doi: 10.1016/j.scienta.2018.06.097
37. MARIANI, L., COLA, G., MAGHRADZE, D., FAILLA, O., & ZAVATTI, F. (2018). Influence of climate cycles on grapevine domestication and ancient migrations in Eurasia. *Science of the Total Environment*, 635, 1240–1254. doi:10.1016/j.scitotenv.2018.04.175
38. RUSTIONI, L., COLA, G., VANDERWEIDE, J., MURAD, P., FAILLA, O., & SABBATINI, P. (2018). Utilization of a freeze-thaw treatment to enhance phenolic ripening and tannin oxidation of grape seeds in red (*Vitis vinifera* L.) cultivars. *Food Chemistry*, 259 (March), 139–146. doi:10.1016/j.foodchem.2018.03.120
39. MCGOVERN, P., JALABADZE, M., BATIUK, S., CALLAHAN, M. P., SMITH, K. E., HALL, G. R., KVAVADZE, E., MAGHRADZE, D., RUSISHVILI, N., BOUBY, L., FAILLA, O., COLA, G., MARIANI, L., BOARETTO, E., BACILIERI, R., THIS, P., WALES, N., LORDKIPANIDZE, D. (2017). Early Neolithic wine of Georgia in the South Caucasus. *Proceedings of the National Academy of Sciences*, 201714728. doi:10.1073/pnas.1714728114
40. RUSTIONI, L., GROSSI, D., BRANCADORO, L., & FAILLA, O. (2017). Characterization of iron deficiency symptoms in grapevine (*Vitis* spp.) leaves by reflectance spectroscopy. *Plant Physiology and Biochemistry*, 118, 342–347. doi:10.1016/j.plaphy.2017.06.031
41. DRORI, E., RAHIMI, O., MARRANO, A., HENIG, Y., BRAUNER, H., SALMON-DIVON, M., NETZER Y., PRAZZOLI M. L., STANEVSKY M., FAILLA O., WEISS E. GRANDO, M. S. (2017). Collection and characterization of grapevine genetic resources (*Vitis vinifera*) in the Holy Land, towards the renewal of ancient winemaking practices. *Scientific Reports*, 7:44463 | DOI: 10.1038/srep44463.
42. COLA, G., FAILLA, O., MAGHRADZE, D., MEGRELIDZE, L., & MARIANI, L. (2017). Grapevine phenology and climate change in Georgia. *International Journal of Biometeorology*, 61(4), 761–773.
43. QUAGLINO F., MAGHRADZE D., CASATI P., CHKHADZE N., FAILLA O., BIANCO P.A. 2016 New 'Candidatus Phytoplasma solani' strains associated with Bois noir disease in *Vitis vinifera* l. cultivars in Georgia. *Mitteilungen Klosterneuburg*, 66, 1, S: 50-54.
44. RUSTIONI, L., CIACCIULLI, A., GROSSI, D., BRANCADORO, L., & FAILLA, O. (2016). Stem Xylem Characterization for *Vitis* Drought Tolerance. *Journal of Agricultural and Food Chemistry*, 64(26), 5317–5323. doi:10.1021/acs.jafc.6b01377
45. GROSSI, D., RUSTIONI, L., SIMONE DI LORENZO, G., FAILLA, O., & BRANCADORO, L. (2016). Water deficit effects on grapevine woody tissue pigmentations. *Horticultural Science*, 43(4), 188–194. doi:10.17221/186/2015-HORTSCI
46. TOFFOLATTI, S.L., MADDALENA, G., SALOMONI, D., MAGHRADZE, D., BIANCO, P.A., & FAILLA, O. (2016). Evidence of resistance to the downy mildew agent *Plasmopara viticola* in the Georgian *Vitis vinifera* germplasm, *Vitis - Journal of Grapevine Research*, 55(3), 121–128. <http://doi.org/10.5073/vitis.2016.55.121-128>

47. RUSTIONI, L., & FAILLA, O. (2016). Grape Seed Ripening Evaluation by Ortho -Diphenol Quantification, *Ital. J. Food Sci.*, 28, 510–516.
48. ROCCHI, L., RUSTIONI, L., & FAILLA, O. (2016) Chlorophyll and carotenoid quantifications in white grape (*Vitis vinifera* L.) skins by reflectance spectroscopy. *Vitis - Journal of Grapevine Research*, 55(1), 11–16. <http://doi.org/10.5073/vitis.2016.55.11-16>
49. VIGENTINI, I., MAGHRADZE, D., PETROZZIELLO, M., BONELLO, F., MEZZAPELLE, V., VALDETARA, F., FAILLA, O., FOSCHINO, R. (2016). Indigenous Georgian Wine-Associated Yeasts and Grape Cultivars to Edit the Wine Quality in a Precision Oenology Perspective. *Frontiers in Microbiology*, 7(March), 1–13. doi:10.3389/fmicb.2016.00352
50. BIAGINI, B., IMAZIO, S., SCIENZA, A., FAILLA, O., & DE LORENZIS, G. (2016). Renewal of wild grapevine (*Vitis vinifera* L. subsp. *sylvestris* (Gmelin) Hegi) populations through sexual pathway: Some Italian case studies. *Flora - Morphology, Distribution, Functional Ecology of Plants*, 219, 85–93. doi:10.1016/j.flora.2016.01.003
51. RUSTIONI, L., DE LORENZIS, G., HARTA, M., & FAILLA, O. (2016). Pink berry grape (*Vitis vinifera* L.) characterization: Reflectance spectroscopy, HPLC and molecular markers. *Plant Physiology and Biochemistry*, 98, 138–145. doi:10.1016/j.plaphy.2015.11.018
52. QUAGLINO F., MAGHRADZE D., CASATI P., CHKHAIDZE N., LOBJANIDZE M., RAVASIO A., PASSERA A., VENTURINI G., FAILLA O., BIANCO P.A. 2016 Identification and characterization of new 'Candidatus Phytoplasma solani' strains associated with bois noir disease in *Vitis vinifera* L. cultivars showing a range of symptoms severity in Georgia, the Caucasus region. *Plant disease*, 100, 904-915, <http://dx.doi.org/10.1094/PDIS-09-15-0978-RE>
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EDITING OF INTERNATIONAL BOOKS

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CHAPTERS IN INTERNATIONAL HANDBOOKS

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