

PERSONAL INFORMATION

Roberta Masin



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Sex Female | Date of birth 28/01/1975 | Nationality Italy

Enterprise	University	EPR
☐ Management Level	☐ Full professor	☐ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
☐ Mid-Management Level	☒ Associate Professor	☐ Level III Researcher and Technologist
☐ Employee / worker level	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

- 2021-now **Vice-President of the Italian Weed Research Society**
Business or sector: Academia
- 2021-now **Coordinator of the Bachelor course “Organic Crop Management”**
University of Padova (Italy)
Business or sector: Academia
- 2018 - now **Associate Professor**
University of Padova (Italy)
- Teaching MSc courses: Weed Science and Agricultural Impacts, Environmental Statistics
BSc courses: Weed Management in Organic Agriculture
 - Research: weed biology and ecology, weed seed germination and early growth, crop-weed interactions, integrated weed management, modelling, DSS for weed control, herbicides environmental fate, mitigation measures
- Business or sector: Academia

EDUCATION AND TRAINING

- 2002-2005 **PhD**
University of Padova (Italy)
- Environmental Agronomy
- 1996-2001 **MSc**
University of Padova (Italy)
- Agricultural Science

WORK ACTIVITIES

- Awards** 2016 - Best Poster Award – XLV Conference of Italian Society of Agronomy
- Editorial activity** **Editorial Board Member:** Plants IF3.935 Q1; Italian Journal of Agronomy IF2.300 Q2; Phytoparasitica IF1.439 Q2
- Invited presentations** **6 invited talks** at national and international conferences (i.e. 2019 Dalian, Soil Science Society of China)
- Grants** In the last 5 years: tot. 7 national 955,000€ (PSR, Environmental and Agricultural Tech companies, University of Padova)
- Patents** n/d

PERSONAL SKILLS

Mother tongue(s)	Italian
Other language(s)	ENGLISH (FLUENT)
Job-related skills	Mentoring early careers of excellent researchers (tot. 3 post-docs, tot. 7 PhD supervised & co-supervised)
Digital skills	Statistical software (StatSoft, R, JASP), plant phenological modelling, ArcGISpro.
Other skills	n/d

ADDITIONAL INFORMATION

Publications

- tot. **73** publications in peer reviewer journals (*source Scopus*)
- tot. Impact Factor (IF) **155** (average 2,93/paper) (*source WoS for the year of publication*)
- tot. **1299** citations (*source Scopus*)
- H-index **21** (*source Scopus*)

Selected publications:

- (1) Nikolić, N., Massaro, S., Tagliapietra, F., Schiavon, S., Masin, R. (2025) Post digestion weed seed survival in cattle. **Frontiers in Plant Science**, 16, no. 1483774, DOI: 10.3389/fpls.2025.1483774 (IF 4.8, Q1)
- (2) Tarolli, P., Luo, J., Park, E., Barcaccia, G., Masin, R. (2024) Soil salinization in agriculture: Mitigation and adaptation strategies combining nature-based solutions and bioengineering. *iScience*, 27 (2), no. 108830, DOI: 10.1016/j.isci.2024.108830 (IF 4.1, Q1)
- (3) Nikolić, N., Ghirardelli, A., Schiavon, M., Masin, R. (2023) Effects of the salinity-temperature interaction on seed germination and early seedling development: a comparative study of crop and weed species. *BMC Plant Biology*, 23 (1), no. 446, DOI: 10.1186/s12870-023-04465-8 (IF 4.8, Q1)
- (4) Mattivi, P., Pappalardo S.E., Nikolić, N., Mandolesi, L., Persichetti, A., De Marchi, M., Masin, R. (2021). Can commercial low-cost drones and open-source GIS technologies be suitable for semi-automatic weed mapping for smart farming? A case study in NE Italy. **Remote Sensing**, 13, 1869, ISSN: 2072-4292, doi: 10.3390/rs13101869 (IF 4.848, Q1)
- (5) Nikolić, N., Loddo, D., Masin, R. (2021). Effect of crop residues on weed emergence. **Agronomy**, 11, 163, ISSN: 2073-4395, doi: 10.3390/agronomy11010163 (IF 3.417, Q1)
- (6) Nikolić, N., Squartini, A., Concheri, G., Stevanato, P., Zanin, G., Masin, R. (2020). Weed seed decay in no-till field and planted riparian buffer zone. **Plants**, 9, 239, ISSN: 2223-7747, doi: 10.3390/plants9030293. (IF 3.935, Q1)
- (7) Otto, S., Pappalardo, S.E., Cardinali, A., Masin, R., Zanin, G., Borin, M. (2016). Vegetated ditches for the mitigation of pesticides runoff in the po valley. **PLoS One**, 11, e0153287, ISSN: 1932-6203, doi: 10.1371/journal.pone.0153287 (IF 2.806, Q1)
- (8) Masin, R., Loddo, D., Gasparini, V., Otto, S., Zanin, G. (2014). Evaluation of weed emergence model AlertInf for maize in soybean. **Weed Science**, 62, 360-369, ISSN: 0043-1745, doi: 10.1614/WS-D-13-00112.1 (IF1.870, Q1)
- (9) Masin, R., Loddo, D., Benvenuti, S., Otto, S., Zanin, G. (2012). Modeling weed emergence in Italian maize fields. **Weed Science**, 60, 254-259, ISSN: 0043-1745, doi:10.1614/WS-D-11-00124.1 (IF 1.759, Q1)

Projects

- (1) RiWeCIS - Innovations for sustainable rice production: models, bio- and nano- technologies for weed management (PRIN2022) (*scientific coordinator responsible of local unit*) 2023-2026
- (2) Containment strategies for *Ludwigia hexapetala* in canals: an integrated approach (Agreement with the Bacchiglione Consortium for Land Reclamation) (*scientific coordinator*) 2025-2026.
- (3) CIRCULAR FARMING - Innovative system for sustainable management and input certification (PSR Emilia Romagna 2014-2020) (*scientific coordinator*) 2019-2022.
- (4) INNOVAWEEDRICE - Innovative approaches for weed management in rice (PSR Lombardia 2014-2020) (*scientific coordinator responsible of local unit*) 2019-2022.
- (5) Salt - Salinity effects on weed-crop competition: agronomic and physiological aspects (University of Padova) (*principal Investigator*) 2018-2021.

Other Relevant Information n/d

Padova, 09th October 2025

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