

## Personal information

First name / Last name **Francesco Boscutti**  
Address office Via delle Scienze 91, 33100 Udine (Italia)  
Telephone office +39-0432 558726  
E-mail [francesco.boscutti@uniud.it](mailto:francesco.boscutti@uniud.it)  
  
Nationality Italian  
  
Date of birth 05/02/1981



## Current position

29/11/2021→ ongoing Researcher in Applied botany (SSD: BIO/03) (Ricercatori Legge 240/10 - t.det. b)  
Plant ecology, applied ecology, functional ecology, agroecology, global change biology and plant community: studies on plant ecology from individual to community level.  
UNIVERSITÀ DEGLI STUDI DI UDINE. DIPARTIMENTO DI SCIENZE AGROALIMENTARI, AMBIENTALI E ANIMALI. Via delle Scienze, 206 - 33100 UDINE

## National Scientific Qualification

01/12/2023 al 01/12/2034 National Scientific Qualification for the position of **Full Professor** (art. 16 della L. 240/10) in Plant Science (05/A1 Botanica).  
06/11/2018 - 06/11/2024 National Scientific Qualification for the position of **Associate Professor** (art. 16 della L. 240/10) in Plant Science (05/A1 Botanica).

## Research

Profile Francesco Boscutti does research in Plant Science, focusing on Plant Ecology and Applied Botany. His main research projects focus on the ecological processes that drive plant responses to global change. Studies and experiments investigate both terrestrial, with particular regard to Alpine tundra, and coastal ecosystems using a functional and multiple-scale approach from individual to ecosystem and landscape scales. Main attention is paid to studies on plant responses to drought, ecological gradients (e.g. alpine and coastal), biological invasion and restoration and agro-ecology. Skills in the processing of biological data both for analysis (biostatistics - R software) and for data management and storage (database), management of spatial data in GIS systems and remote sensing.

Key topic Plant ecology, Applied Ecology, Biological invasion, Quantitative vegetation analysis, Vegetation Ecology, Climate change and plant communities, Restoration Ecology, Biodiversity, Agro ecology, Disturbance ecology, Functional ecology, GIS vegetation mapping, LiDAR vegetation mapping

## Memberships

2020 Member of the Italian Botanical Society (SBI)

## Scientific production

SCOPUS: 59 indexed publications; h-index: 18; Total citations: 858 (accessed December 2023)  
<https://www.scopus.com/authid/detail.uri?authorId=55537125400>

Web of Science: 55 indexed publications; h-index: 16; Total citations: 775 (accessed December 2023)  
<https://www.webofscience.com/wos/author/record/1294488>

## Editorial and reviewer activity

### Editor

- 2023→ ongoing PLOS ONE  
Academic Editor  
Sections: Ecology - Plants, Plant biology, Ecology - Ecosystems
- 2020-2022 Plants  
Guest Editor for the Special issue "Plant–Soil Interactions in Wetlands and Flooded Environments"
- 2020-2023 Sustainability  
Guest Editor or the Special issue "Effects of Global Changes on Biodiversity and Ecosystem Services"
- 2019-2021 Journal: Frontiers in Forests and Global Change  
Guest Editor or the Special issue "Invasions and Impacts of Exotic Species in Forests"

### Referee

Journal of Environmental Management, Oikos, Restoration Ecology, Applied Vegetation Science, Journal of Vegetation Science, Ecology and Evolution, Journal of Forestry Research, Remote Sensing, Forests, Biodiversity and Conservation, Catena, Soil Biology and Biochemistry, Sustainability, Wetlands Ecology and Management, BMC Ecology and Evolution, Ecological Applications, Ecological Solutions and Evidence, Journal of Hydrology, Journal of Plant Ecology, Acta Scientiarum Polonorum, Hortorum Cultus, Biology, Ecoscience, Ecosphere, Electronic Journal of Biology, Geoderma, Hacquetia, IForest, Journal of Freshwater Ecology, Land, Land Degradation & Development, Marine Pollution Bulletin, PeerJ, Science Progress, VEGETOS, Water.

for details:

<https://www.webofscience.com/wos/author/record/1294488>

## Academic and institutional roles

- 2023 -> Deputy coordinator of the research doctorate course in "Environment and life" at the University of Trieste in consortium with the University of Udine.
- 2023 -> Deputy coordinator of the bachelor in "Scienze per l'Ambiente e le Natura", Università degli Studi di Udine.
- 2013 -> ERASMUS delegate of the master in "Scienze e Tecnologie Sostenibili per l'Ambiente", Università degli Studi di Udine.
- 2018 -> ERASMUS delegate of the bachelor in "Scienze per l'Ambiente e le Natura", Università degli Studi di Udine.
- 2020 -> Member of "Commissione di Assicurazione Qualità per il corso di Laurea in Scienze per l'Ambiente e le Natura", Università degli Studi di Udine.
- 2020 -> Member of "Commissione di Assicurazione Qualità per il corso di Laurea in Scienza e Cultura del Cibo", Università degli Studi di Udine
- 2021-> Member of the "Comitato tecnico-scientifico della Riserva di Biosfera MAB Unesco "Alpi Giulie Italiane"

## Teaching Experience

### PhD schools

- a.a. 2022/2023 - Ciclo 39 Member of the teaching staff of the research doctorate course in "Environment and life" at the University of Trieste in consortium with the University of Udine.
- a.a. 2022/2023 - Ciclo 38
- a.a. 2022/2023 - Ciclo 39 Member of the teaching staff of the research doctorate course in "BIODIVERSITY" at the University of PALERMO.

### National classes

- a.a. 2022/2023 "Global changes and plant communities" 8 CFU for the master degree in "Environmental Science" at Università degli Studi di Udine (56 hours).
- a.a. 2023/2024 "Geografia e biodiversità dei paesaggi e dei prodotti agroalimentari I" 5 CFU (BIO03) for the bachelor degree in "Scienza e Cultura del Cibo" at Università degli Studi di Udine (35 hours).
- a.a. 2022/2023
- a.a. 2021/2022
- a.a. 2020/2021
- a.a. 2019/2020

- a.a. 2018/2019 "Didattica della natura organica 1+2, 8 CFU 11336A BIO/01 (within the course "Didattica delle discipline biologiche e ecologiche 9 CFU 11336 BIO/01")" for the master degree in "Scienze della Formazione primaria - sezione in lingua italiana", at Libera Università di Bolzano (60 hours)
- a.a. 2017/2018
- a.a. 2016/2017
- a.a. 2018/2019 Docente del corso Didattica della natura organica (laboratorio) 1 CFU 11336B BIO/01 (within the course "Didattica delle discipline biologiche e ecologiche 9 CFU 11336 BIO/01")" for the master degree in "Scienze della Formazione primaria - sezione in lingua italiana", at Libera Università di Bolzano (20 hours)
- a.a. 2017/2018
- a.a. 2016/2017
- a.a. 2022/2023 "Morfologia e tassonomia vegetale" 6 CFU for the bachelor degree in "Scienze per l'Ambiente e le Natura" at Università degli Studi di Udine (60 hours).
- a.a. 2021/2022
- a.a. 2020/2021
- a.a. 2019/2020
- a.a. 2018/2019
- a.a. 2017/2018
- a.a. 2016/2017
- a.a. 2015/2016
- a.a. 2013/2014 "Laboratorio di didattica delle Scienze II" for the master degree in "Scienze della Formazione Primaria" at Università degli Studi di Udine (25 hours).

#### International classes

- a.a. 2020/2021 "Managing agroecosystems" 6 ECTS for the master in "Viticulture and enology" at University of Nova Gorica (30 hours).
- a.a. 2012/2013 "Plant Systematics" for the bachelor (BSc) degree in "Natural Resource Sciences" at Zurich University of Applied Sciences. (16 hours).
- a.a. 2012/2013 "Species Knowledge" for the bachelor (BSc) degree in "Natural Resource Sciences" at Zurich University of Applied Sciences (4 hours).

#### Supervisor

- 20013-2020 **Supervisor** of 3 PhD thesis (UniTS, UniPA DIN), 9 master theses (UniUD UniBZ) an 32 Bachelor theses (UniUd, ZHAW)  
**Co-supervisor** of 3 PhD (UniUD), 12 Master theses (UniUD, ZHAW, UniPD) and over 40 bachelor theses (UniUD, ZHAW)

#### Workshop, assistant and other teaching experience

- 2022/2023 Coordinator of the study trip "Ecological restoration of Laurisilva: botanical and forestry aspects for the conservation of biodiversity in the Canary Islands."
- 2022/2023 Coordinator for the BIP Erasmus - Blended Intensive Program Erasmus project entitled "Monitoring Alpine River Dynamics from a biodiversity and landscape perspective". In collaboration with Eberswalde University of Sustainable Development (HNEE), Eberswalde, Germany and Kazimierz Wielki University, Bydgoszcz (UKW), Poland.
- 2021/2023
- 2007-2012 Teaching assistant of Geobotany, Systematic Botany, Geomatics, Landscape Ecology of "Science and Technology for the Environment and Nature" bachelor and master. University of Udine.
- 07/2008 - 2017 Teaching ant the International Alpine Workshop - Tagliamento (years: 2007-2011)". Organized by Jean-Bernard Bächtiger and Danièle Lagnaz (CH-ZHAW Wädenswil), and Maurizia Sigura (University of Udine).

### **Education and training**

- 03/03/2010 Teaching assistant position of Geomatics and Territorial Planning Workshop courses. Courses: Geomatics (scientific-disciplinary sector AGR/10); "Territorial Planning Workshop" (scientific-disciplinary sector AGR/10 - ICAR/21).  
 UNIVERSITY OF UDINE. FACULTY OF AGRICULTURE  
 Via delle Scienze, 208 - 33100 Udine ITALY
- 01/2007 – 12/2009 Ph D in Economics, Ecology and Preservation of Agricultural and Landscape-Environmental Systems.  
 Topics: vegetation ecology, phytosociology, impact of agriculture on ecosystems, GIS mapping.  
 Thesis title: "Analisi della pressione antropica dell'agricoltura in aree ad elevato valore naturalistico / Assessment of anthropogenic pressure of agriculture in areas with high natural value".  
 UNIVERSITY OF UDINE. FACULTY OF AGRICULTURE  
 Via delle Scienze, 208 - 33100 Udine ITALY

09/2000 – 12/2004 Master of Natural Sciences, with honours. Four-year Master's Degree.  
Topics: urban flora, alien flora, urban ecology  
Thesis title: "Flora urbana di Cividale / Urban flora of Cividale".  
UNIVERSITY OF TRIESTE. FACULTY OF MATHEMATICAL, PHYSICAL AND NATURAL SCIENCES  
Piazzale Europa 1, 34127 Trieste ITALY

### Granted projects

- 06/2023-08/2025 Principal investigator  
Principal investigator of the PRIN 2022 project code:2022MKAC7T entitiled "RE-SHAPE UP - Rain Exclusion Sensitivity in High Altitude Plants and Ecosystems: Upscaling Perspectives" , ERC: LS8\_5  
Grant: 185.886 €
- 09/2022-08/2025 Local coordinator  
"National Biodiversity Future Center, Spoke 4, Activity 4.1 Advanced systems for the analysis, monitoring and management of biodiversity, its structural organization, functions, and ecosystem services, also in relation to human and natural threats"  
Funded by PNRR MUR – M4C2 – Investimento 1.4 – Avviso "Centri Nazionali" – D.D. n. 3138 del 16 dicembre 2021 e D.D. n. 3175 del 18 dicembre 2021  
Grant: 570.077 €
- 06/2022-12/2023 Principal investigator  
"Relations between water stress, plant eco-physiology and the onset of mycotoxins in maize in climate change scenarios (ECO-MICORN-CLIMA)" research funded by ERSA  
Grant: 55.000 €
- 07/2018-07/2020 Principal investigator  
"Cover crops for supporting biodiversity and agronomic and ecosystem services in agricultural and rural landscapes" research funded by ERSA (CUP: G52F20000010002)  
Grant: 60.000 €
- 07/2018-07/2020 Principal investigator  
"Conservative agriculture for the mitigation of climate change in agricultural landscapes" research funded by ERSA (CUP: F66C18000040002)  
Grant: 12.000 €
- 07/2018-12/2020 Principal investigator  
"Tiliment, water, claps & bike – protection and enhancement of the river landscape from Osoppo to Dignano research funded by Comune di San Daniele del Friuli (CUP J13D18000000002)  
Grant: 12.960 €

### Professional experience

- 12/2018–11/2021 Researcher in Applied botany (SSD: BIO/03) (Ricercatori Legge 240/10 - t.det. a)  
Plant ecology, applied ecology, functional ecology, agroecology, global change biology and plant community: studies on plant ecology from individual to community level.  
UNIVERSITÀ DEGLI STUDI DI UDINE. DIPARTIMENTO DI SCIENZE AGROALIMENTARI, AMBIENTALI E ANIMALI. Via delle Scienze, 206 - 33100 UDINE
- 01/2020 Consultant for the "Bio Bimat srl Corso Canalgrande, 27 41121 - Modena".  
Title of the reseach "Il valore vegetazionale e naturalistico dell'area "Ex Kermar" in Concordia sulla Secchia (MO)"  
UNIVERSITÀ DEGLI STUDI DI UDINE. DIPARTIMENTO DI SCIENZE AGROALIMENTARI, AMBIENTALI E ANIMALI. Via delle Scienze, 206 - 33100 UDINE
- 11/2017 –12/2019 Research activity for the University of Udine, Department of Agricultural, Food, Environmental and Animal Sciences.  
Research activity in the project: "Studi di individuazione della rete ecologica alla scala locale", funded by Comune di Stregna

- 01/08/2017 – 30/07/2018 Postdoctoral research, Department of Agricultural, Food, Environmental and Animal Sciences.  
"Effects of environmental stress in alpine heaths and shrubs."  
UNIVERSITY OF UDINE. DEPARTMENT OF AGRICULTURAL, FOOD, ENVIRONMENTAL AND ANIMAL SCIENCES  
Via delle Scienze, 206 - 33100 Udine ITALY
- 10/2017 – 03/2018 Research activity for the University of Udine, Department of Agricultural, Food, Environmental and Animal Sciences.  
Development of an ecological network model at the local scale for the marine and land area of the Costa Triestina.  
UNIVERSITY OF UDINE. DEPARTMENT OF AGRICULTURAL, FOOD, ENVIRONMENTAL AND ANIMAL SCIENCES  
Via delle Scienze, 206 - 33100 Udine ITALY
- 03/07/2017 – 31/12/2017 Consultant for the "Cooperativa Naturalisti Gortani".  
Research activity in the project: "Specie Vegetali Esotiche del Friuli Venezia Giulia " of the "Museo Friulano di Storia Naturale" of Udine.  
COOPERATIVA NATURALISTI MICHELE GORTANI SOC.COOP. A R.L.  
Via del Pioppo 3, 33100 Udine ITALY
- 04/2017 – 12/2017 Research activity for the University of Udine, Department of Agricultural, Food, Environmental and Animal Sciences.  
Research activity in the project: "Studio preliminare per la valorizzazione ambientale della pertinenza fluviale alla confluenza tra la roggia di Tolmezzo e il fiume Tagliamento" funded by " Automotive Lighting Italia Spa " of Tolmezzo (Udine).  
UNIVERSITY OF UDINE. DEPARTMENT OF AGRICULTURAL, FOOD, ENVIRONMENTAL AND ANIMAL SCIENCES  
Via delle Scienze, 206 - 33100 Udine ITALY
- 01/2016 – 12/2017 Consultant, Institute for Environment and Natural Resources.  
Research in the vegetation analysis group and bachelor master theses supervisor.  
ZURICH UNIVERSITY OF APPLIED SCIENCES  
INSTITUTE FOR ENVIRONMENT AND NATURAL RESOURCES  
Grüntal, P.O. Box CH-8820 Waedenswil
- 01/05/2015 – 30/06/2017 Postdoctoral research, Department of Agricultural, Food, Environmental and Animal Sciences.  
"GIS applications and species distribution models (SDM) for the study of landscape distribution and connectivity of plant communities in agricultural areas."  
UNIVERSITY OF UDINE. DEPARTMENT OF AGRICULTURAL, FOOD, ENVIRONMENTAL AND ANIMAL SCIENCES  
Via delle Scienze, 206 - 33100 Udine ITALY
- 01/03/2014 – 28/02/2015 Research activity for the University of Udine, Department of Agricultural, Food, Environmental and Animal Sciences.  
Research activity in the project: "LIBERATION 7 PQ (European Community's Seventh Framework Programme under grant agreement no 311781)".  
UNIVERSITY OF UDINE. DEPARTMENT OF AGRICULTURAL, FOOD, ENVIRONMENTAL AND ANIMAL SCIENCES  
Via delle Scienze, 206 - 33100 Udine ITALY
- 01/03/2014 – 28/02/2015 Postdoctoral research, Department of Agricultural, Food, Environmental and Animal Sciences.  
"Study and ex situ conservation of the vulnerable flora of Friuli Venezia Giulia."  
UNIVERSITY OF UDINE. DEPARTMENT OF AGRICULTURAL, FOOD, ENVIRONMENTAL AND ANIMAL SCIENCES  
Via delle Scienze, 206 - 33100 Udine ITALY
- 01/12/2013 – 28/02/2014 Consultant, University of Udine, Department of Agricultural, Food, Environmental and Animal Sciences.  
Research activity in the project: "SEESPIG-AGER".  
UNIVERSITY OF UDINE. DEPARTMENT OF AGRICULTURAL, FOOD, ENVIRONMENTAL AND ANIMAL SCIENCES  
Via delle Scienze, 206 - 33100 Udine ITALY
- 07/2012-09/2013 Researcher, Institute for Environment and Natural Resources.  
Vegetation analysis group. Long term vegetation changes in wet grasslands, high altitude restoration, naturalness in agroecosystem, ecology of red list species  
ZURICH UNIVERSITY OF APPLIED SCIENCES  
INSTITUTE FOR ENVIRONMENT AND NATURAL RESOURCES  
Grüntal, P.O. Box CH-8820 Waedenswil

- 03/2010 - 06/2012 Postdoctoral research, Department of Agricultural and Environmental Sciences.  
Studies of vegetation biodiversity and hemeroby in agroecosystem in relation to the landscape pattern, MultiFarm project (L.R. 26/2005 art. 17).  
UNIVERSITY OF UDINE. FACULTY OF AGRICULTURE  
Via delle Scienze, 208 - 33100 Udine ITALY
- 01/07/2010 – 31/01/2012 Research activity for the University of Udine, Department of Agricultural and Environmental Sciences.  
Definition of monitoring protocol and vegetation biodiversity study in restored limestone quarry. Site of ITALCIMENTI S. Giuseppe quarry (Trieste).  
UNIVERSITY OF UDINE. FACULTY OF AGRICULTURE  
Via delle Scienze, 208 - 33100 Udine ITALY
- 01/2011 - 10/2011 Consultant for TECNOFOREST ASSOCIATI.  
Organization of Scientific and Technical monitoring of forests managed by the institution "Forest and Parks Department of the Municipality of Venice". Monitoring of flora and vegetation of forest restoration to assess the level of floristic and vegetation diversity, vegetation dynamics and state of ecological gradients.  
STUDIO TECNOFOREST ASSOCIATI.  
Via Stringher Bonaldo, 25 - 33100 Udine ITALY  
COMUNE DI VENEZIA - ISTITUZIONE "BOSCO E GRANDI PARCHI"  
Viale Garibaldi, 44/a - 30173 Mestre - Venezia ITALY
- 06/2010 - 09/2011 Research activity for the University of Udine, Department of Agricultural and Environmental Sciences.  
Vegetation characterization in relation of LiDAR automatic structural map, ALIFORMIDI project: "LiDAR application to characterize composition, structural characteristics and naturalistic value of Alpine forests"  
UNIVERSITY OF UDINE. FACULTY OF AGRICULTURE  
Via delle Scienze, 208 - 33100 Udine ITALY
- 07/2010 - 12/2010 Consultant for the University of Udine, Department of Biology.  
Ecological monitoring and GIS mapping of seagrasses *Zostera marina*, *Zostera noltii* and *Cymodocea nodosa* in Grado and Marano Lagoon.  
UNIVERSITY OF UDINE. FACULTY OF AGRICULTURE  
Via delle Scienze, 208 - 33100 Udine ITALY
- 01/2010 - 11/2010 Consultant for the Temporary Association of environmental consulting: Tommasella M., Oriolo G. and C. Francescato.  
Implementation of the habitat mapping and inventory of plant species of the Habitats Directive Annex of the Natura 2000 area: ZPS-IT3311001 Magredi of Pordenone.  
ASSOCIAZIONE TEMPORANEA FRA PROFESSIONISTI DI TOMMASELLA M., ORIOLO G. E FRANCESCATO C.  
Via Marziale n. 28, 34074 Monfalcone (GO) ITALY
- 08/2009 - 09/2009 Consultant for the University of Trieste, Department of Architecture and Urban Planning.  
GIS data processing of six river areas aimed at defining the areas of landscape protection.  
UNIVERSITY OF TRIESTE, DEPARTMENT OF ARCHITECTURE AND URBAN PLANNING  
Via Valerio n. 12/2, 34100 Trieste ITALY
- 07/2009 Training research period at the Institute of Natural Resources Sciences of ZHAW Zurich University of Applied Sciences - Zürcher Hochschule für Angewandte Wissenschaften.  
Research on secondary succession in pastures, coenoses relationships between plant and insect fauna, primary successions in periglacial areas and monitoring of restorations in primary grasslands in the Alps.  
INSTITUTE OF NATURAL RESOURCES SCIENCES, ZHAW ZURICH UNIVERSITY OF APPLIED SCIENCES  
Grüntal, P.O. Box CH-8820 Wädenswil (CH -ZURICH)
- 06/2009 - 09/2009 Consultant for the University of Camerino, Department of Environmental Sciences, Botany and Ecology Section.  
Monitoring of the permanent plots of the National Network CON.ECO.FOR. 2009 stations Renon (BZ) and Tarvisio (UD). Phytosociological and floristic surveys of the plots, data management.  
UNIVERSITY OF CAMERINO, DEPARTMENT OF ENVIRONMENTAL SCIENCES  
Via Pontoni, N. 5, 62032 Camerino ITALY
- 05/2009 - 11/2009 Consultant for Temporary Association of environmental consulting: Tommasella M., Oriolo G. and C. Francescato.  
Implementation of the habitat mapping and inventory of plant species of the Habitats Directive Annex of the Natura 2000 area: ZPS-IT3311001 Magredi of Pordenone.  
ASSOCIAZIONE TEMPORANEA FRA PROFESSIONISTI DI TOMMASELLA M., ORIOLO G. E FRANCESCATO C.  
Via Marziale n. 28, 34074 Monfalcone (GO) ITALY

- 05/2007 - 12/2007 Consultant for Museum of Natural History of Udine.  
Floristic research in the project: "Flora del Parco Naturale Regionale delle Dolomiti Friulane" of the "Museo Friulano di Storia Naturale" of Udine.  
COMUNE DI UDINE - MUSEO FRIULANO DI STORIA NATURALE  
Via Marangoni nn. 39 e 41. I-33100 UDINE. Tel. 0432 584711
- 03/2007 - 09/2007 Research activity for the University of Udine, Department of Agricultural and Environmental Sciences. Implementing the management plan for the SIC IT 3310009 "Magredi del Cellina", ZPS "Magredi di Pordenone" and SIC-ZPS IT 3340006 "Carso Triestino e Goriziano". University of Udine and Agricultural Directorate of the Regional Authority in Friuli Venezia Giulia (05/2007-09-2007).  
UNIVERSITY OF UDINE. FACULTY OF AGRICULTURE  
Via delle Scienze, 208 - 33100 Udine ITALY
- 05/2006 – 12/2006 Consultant for the "Cooperativa Naturalisti Gortani".  
Data entry, update inventory, sample preparation and determination of the collections of the botanic section of the Museum of Natural History of Udine.  
COOPERATIVA NATURALISTI MICHELE GORTANI SOC.COOP. A R.L.  
Via del Pioppo 3, 33100 Udine ITALY
- 07/2006 - 12/2006 Consultant for the Museum of Natural History of Udine.  
Floristic research in the project: "Flora del Parco Naturale Regionale delle Dolomiti Friulane" of the "Museo Friulano di Storia Naturale" of Udine.  
COMUNE DI UDINE - MUSEO FRIULANO DI STORIA NATURALE  
Via Marangoni nn. 39 e 41. I-33100 Udine ITALY

### Traineeships

- 11/2008 Internship at the "Course on the assessment of environmental quality in agroecosystems".  
Organized by ITALIAN SOCIETY OF VEGETATION SCIENCE, MARCHE POLYTECHNIC UNIVERSITY.
- 04/2005 – 04/2006 Internship at the botanic section of the Museum of Natural History of Udine.  
Activity: data entry, update inventory, sample preparation and determination of the botanical collections. Research activities under the project to enhance the biodiversity of the canals of the city of Udine. Educational activities for the construction of the temporary exhibition on the spontaneous vascular flora of the city of Udine.  
COMUNE DI UDINE - MUSEO FRIULANO DI STORIA NATURALE  
Via Marangoni nn. 39 e 41. I-33100 Udine ITALY

### Personal skills and competences

Mother tongue **Italian**

Other language

European level (\*)

**English**

		<b>Understanding</b>		<b>Speaking</b>		<b>Writing</b>	
		Listening	Reading	Spoken production	Spoken interaction		
B2	upper intermediate	B2	upper intermediate	B1	intermediate	B1	intermediate

Computer skills and competences **OFFICE SUITE:**  
Microsoft Office (Word, Excel, Access, PowerPoint),  
OpenOffice

**STATISTICAL:**

R,  
SPSS  
Minitab

**GIS:**

ESRI ArcGIS,  
MapInfo Professional,  
Quantum GIS

**IMAGE PROCESSING**

ImageJ

**DATABASE:**

Access,  
Microsoft SQL server,  
MySLQ

**CAD:**

AutoCAD,

**GRAPHICS:**

Inkscape  
Adobe Photoshop,  
Adobe Illustrator  
CoreIDRAW

Driving licence category B

**Annexes** 1: List of publications



## ANNEX I, list of publication:

### Peer reviewed:

MAXWELL, T. L., ROVAI, A. S., ADAME, M. F., ADAMS, J. B., ÁLVAREZ-ROGEL, J., AUSTIN, W. E. N., BEASY, K., **BOSCUTTI, F.**, BÖTTCHER, M. E., BOUMA, T. J., BULMER, R. H., BURDEN, A., BURKE, S. A., CAMACHO, S., CHAUDHARY, D. R., CHMURA, G. L., COPERTINO, M., COTT, G. M., CRAFT, C., ... WORTHINGTON, T. A. (2023). Global dataset of soil organic carbon in tidal marshes. *Scientific Data*, 10(1), Article 1. <https://doi.org/10.1038/s41597-023-02633-x>

LAGNAZ, D., TROTTA, G., PRUNIER, P., KRÜSI, B., & **BOSCUTTI, F.** (2023). Acidophilous grasslands in the Locarnese region (Southern Switzerland): Description and classification of main plant communities. *Plant Sociology*, 60, 71–91. <https://doi.org/10.3897/pls2023602/05>

BRADICAN, J. P., TOMASELLO, S., **BOSCUTTI, F.**, KARBSTEIN, K., & HÖRANDL, E. (2023). Phylogenomics of Southern European Taxa in the *Ranunculus auricomus* Species Complex: The Apple Doesn't Fall Far from the Tree. *Plants*, 12(21), Article 21. <https://doi.org/10.3390/plants12213664>

TROTTA, G., CASTELLO, M., PETRUZZELLIS, F., PISCHEDDA, S., & **BOSCUTTI, F.** (2023). First record of naturalization of *Erechtites hieraciifolius* (L.) Raf. ex DC. (Asteraceae) in Italy. *Natural History Sciences*, 10(2), Article 2. <https://doi.org/10.4081/nhs.2023.716>

TROTTA, G., VUERICH, M., PETRUSSA, E., HAY, F. R., ASSOLARI, S., & **BOSCUTTI, F.** (2023). Germination performance of alien and native species could shape community assembly of temperate grasslands under different temperature scenarios. *Plant Ecology*. <https://doi.org/10.1007/s11258-023-01365-7>

TROTTA, G., **BOSCUTTI, F.**, JAMONEAU, A., DECOCQ, G., & CHIARUCCI, A. (2023). There is room for everyone: Invasion credit cannot be inferred from the species–area relationship in fragmented forests. *Applied Vegetation Science*, 26(3), e12745. <https://doi.org/10.1111/avsc.12745>

VUERICH, M., PETRUSSA, E., **BOSCUTTI, F.**, BRAIDOT, E., FILIPPI, A., PETRUZZELLIS, F., TOMASELLA, M., TROMBA, G., PIZZUTO, M., NARDINI, A., SECCHI, F., & CASOLO, V. (2023). Contrasting Responses of Two Grapevine Cultivars to Drought: The Role of Non-structural Carbohydrates in Xylem Hydraulic Recovery. *Plant and Cell Physiology*, pcd066. <https://doi.org/10.1093/pcp/pcad066>

MOSANGHINI, D., ORIOLO, G., & **BOSCUTTI, F.** (2023). Different ways to success: Plant community trajectories over time and a soil moisture gradient in restored wetlands. *Journal of Applied Ecology*. <https://doi.org/10.1111/1365-2664.14308>

CARGNUS, E., TACOLI, F., **BOSCUTTI, F.**, ZANDIGIACOMO, P., & PAVAN, F. (2023). Side Effects of Kaolin and Bunch-Zone Leaf Removal on Generalist Predators in Vineyards. *Insects*, 14(2), Article 2. <https://doi.org/10.3390/insects14020126>

MAGRINI, S., BONOMI, C., BACCHETTA, G., BEDINI, G., BORTAZZI, A., **BOSCUTTI, F.**, CARASSO, V., CARTA, A., CASAVECCHIA, S., CASOLO, V., CERIANI, R., CRISTAUDO, A., DI CECCO, V., DI MARTINO, L., DIGANGI, I., FABRINI, G., GUGLIELMO, F., MARIOTTI, M., NEGRI, M., ... SALMERI, C. (2022). The RIBES strategy for ex situ conservation: Conventional and modern techniques for seed conservation. *Flora Mediterranea*, 32, 394–401. <https://doi.org/10.7320/FIMedit32.395>

VUERICH, M., PASQUINI, S., CASOLO, V., **BOSCUTTI, F.**, & PETRUSSA, E. (2022). Seed germination of the endemic *Armeria helodes* (Plumbaginaceae) in Italy. *Flora Mediterranea*, 32. <https://doi.org/10.7320/FIMedit32.227>

TORDONI, E., PETRUZZELLIS, F., DI BONAVENTURA, A., PAVANETTO, N., TOMASELLA, M., NARDINI, A., **BOSCUTTI, F.**, MARTINI, F., & BACARO, G. (2022). Projections of leaf turgor loss point shifts under future climate change scenarios. *Global Change Biology*. <https://doi.org/10.1111/gcb.16400>

**BOSCUTTI, F.**, LAMI, F., PELLEGRINI, E., BUCCHERI, M., BUSATO, F., MARTINI, F., SIBELLA, R., SIGURA, M., & MARINI, L. (2022). Urban sprawl facilitates invasions of exotic plants across multiple spatial scales. *Biological Invasions*, 24(5), 1497–1510. <https://doi.org/10.1007/s10530-022-02733-6>

LICCARI, F., **BOSCUTTI, F.**, BACARO, G., & SIGURA, M. (2022). Connectivity, landscape structure, and plant diversity across agricultural landscapes: Novel insight into effective ecological network planning. *Journal of Environmental Management*, 317, 115358. <https://doi.org/10.1016/j.jenvman.2022.115358>

LICCARI, F., SIGURA, M., TORDONI, E., **BOSCUTTI, F.**, & BACARO, G. (2022). Determining Plant Diversity within Interconnected Natural Habitat Remnants (Ecological Network) in an Agricultural Landscape: A Matter of Sampling Design? *Diversity*, 14(1), 12. <https://doi.org/10.3390/d14010012>

PELLEGRINI, E., INCERTI, G., PEDERSEN, O., MORO, N., FOSCARI, A., CASOLO, V., CONTIN, M., & **BOSCUTTI, F.** (2022). Flooding and Soil Properties Control Plant Intra- and Interspecific Interactions in Salt Marshes. *Plants*, 11(15), 1940. <https://doi.org/10.3390/plants11151940>

- UNTERHOLZNER, L., PRENDIN, A. L., DIBONA, R., MENARDI, R., CASOLO, V., GARGIULO, S., **BOSCUTTI, F.**, & CARRER, M. (2022). Transient Effects of Snow Cover Duration on Primary Growth and Leaf Traits in a Tundra Shrub. *Frontiers in Plant Science*, 13. <https://www.frontiersin.org/article/10.3389/fpls.2022.822901>
- CORCOS, D., LAMI, F., NARDI, D., **BOSCUTTI, F.**, SIGURA, M., GIANNONE, F., PANTINI, P., TAGLIAPIETRA, A., BUSATO, F., SIBELLA, R., & MARINI, L. (2021). Cross-taxon congruence between predatory arthropods and plants across Mediterranean agricultural landscapes. *Ecological Indicators*, 123, 107366. <https://doi.org/10.1016/j.ecolind.2021.107366>
- DORIGO, L., **BOSCUTTI, F.**, & SIGURA, M. (2021). Landscape and microhabitat features determine small mammal abundance in forest patches in agricultural landscapes. *PeerJ*, 9, e12306. <https://doi.org/10.7717/peerj.12306>
- FILIPPI, A., BRAIDOT, E., PETRUSSA, E., FABRO, M., VUERICH, M., & **BOSCUTTI, F.** (2021). Plant growth shapes the effects of elevation on the content and variability of flavonoids in subalpine bilberry stands. *Plant Biology*, 23(2), 241–249. <https://doi.org/10.1111/plb.13194>
- GEPPERT, C., **BOSCUTTI, F.**, BELLA, G. L., MARCHI, V. D., CORCOS, D., FILIPPI, A., & MARINI, L. (2021). Contrasting response of native and non-native plants to disturbance and herbivory in mountain environments. *Journal of Biogeography*, 48(7), 1594–1605. <https://doi.org/10.1111/jbi.14097>
- GEPPERT, C., LA BELLA, G., **BOSCUTTI, F.**, SANNA, F., MARANGONI, F., & MARINI, L. (2021). Effects of temperature and plant diversity on orthopterans and leafhoppers in calcareous dry grasslands. *Journal of Insect Conservation*. <https://doi.org/10.1007/s10841-021-00300-3>
- LAMI, F., BARTOMEUS, I., NARDI, D., BEDUSCHI, T., **BOSCUTTI, F.**, PANTINI, P., SANTOIEMMA, G., SCHERBER, C., TSCHARNTKE, T., & MARINI, L. (2021). Species–habitat networks elucidate landscape effects on habitat specialisation of natural enemies and pollinators. *Ecology Letters*, 24(2), 288–297. <https://doi.org/10.1111/ele.13642>
- LAMI, F., VITTI, S., MARINI, L., PELLEGRINI, E., CASOLO, V., TROTTA, G., SIGURA, M., & **BOSCUTTI, F.** (2021). Habitat type and community age as barriers to alien plant invasions in coastal species-habitat networks. *Ecological Indicators*, 133, 108450. <https://doi.org/10.1016/j.ecolind.2021.108450>
- LICCARI, F., **BOSCUTTI, F.**, SIGURA, M., TORDONI, E., CARPANELLI, A., VALECIC, M., & BACARO, G. (2021). First report of naturalization of *Houttuynia cordata* Thunb. 1783 (Saururaceae) in Italy. *Rendiconti Lincei. Scienze Fisiche e Naturali*. <https://doi.org/10.1007/s12210-021-00986-2>
- PELLEGRINI, E., **BOSCUTTI, F.**, ALBERTI, G., CASOLO, V., CONTIN, M., & DE NOBILI, M. (2021). Stand age, degree of encroachment and soil characteristics modulate changes of C and N cycles in dry grassland soils invaded by the N<sub>2</sub>-fixing shrub *Amorpha fruticosa*. *Science of The Total Environment*, 792, 148295. <https://doi.org/10.1016/j.scitotenv.2021.148295>
- PELLEGRINI, E., BUCCHERI, M., MARTINI, F., & **BOSCUTTI, F.** (2021). Agricultural land use curbs exotic invasion but sustains native plant diversity at intermediate levels. *Scientific Reports*, 11(1), 8385. <https://doi.org/10.1038/s41598-021-87806-7>
- VUERICH, M., BRAIDOTTI, R., SIVILOTTI, P., ALBERTI, G., CASOLO, V., BRAIDOT, E., **BOSCUTTI, F.**, CALDERAN, A., & PETRUSSA, E. (2021). Response of Merlot Grapevine to Drought Is Associated to Adjustments of Growth and Nonstructural Carbohydrates Allocation in above and Underground Organs. *Water*, 13(17), 2336. <https://doi.org/10.3390/w13172336>
- BOSCUTTI, F.**, PELLEGRINI, E., CASOLO, V., DE NOBILI, M., BUCCHERI, M., & ALBERTI, G. (2020). Cascading effects from plant to soil elucidate how the invasive *Amorpha fruticosa* L. impacts dry grasslands. *Journal of Vegetation Science*, 31(4), 667–677. <https://doi.org/10.1111/jvs.12879>
- CASOLO, V., BRAIDOT, E., PETRUSSA, E., ZANCANI, M., VIANELLO, A., & **BOSCUTTI, F.** (2020). Relationships between population traits, nonstructural carbohydrates, and elevation in alpine stands of *Vaccinium myrtillus*. *American Journal of Botany*, 107(4), 639–649. <https://doi.org/10.1002/ajb2.1458>
- DELLA LONGA, G., **BOSCUTTI, F.**, MARINI, L., & ALBERTI, G. (2020). Coppicing and plant diversity in a lowland wood remnant in North–East Italy. *Plant Biosystems - An International Journal Dealing with All Aspects of Plant Biology*, 154(2), 173–180. <https://doi.org/10.1080/11263504.2019.1578276>
- FALCHI, R., PETRUSSA, E., BRAIDOT, E., SIVILOTTI, P., **BOSCUTTI, F.**, VUERICH, M., CALLIGARO, C., FILIPPI, A., HERRERA, J. C., SABBATINI, P., ZANCANI, M., NARDINI, A., PETERLUNGER, E., & CASOLO, V. (2020). Analysis of Non-Structural Carbohydrates and Xylem Anatomy of Leaf Petioles Offers New Insights in the Drought Response of Two Grapevine Cultivars. *International Journal of Molecular Sciences*, 21(4), 1457. <https://doi.org/10.3390/ijms21041457>
- GALASSO, G., DOMINA, G., AZZARO, D., BAGELLA, S., BARONE, G., BARTOLUCCI, F., BIANCO, M., BOLZANI, P., BONARI, G., **BOSCUTTI, F.**, BUONO, S., CIBEI, C., CONTI, F., GRISTINA, E. D., FANFARILLO, E., FRANZONI, J., GIACANELLI, V., GUBELLINI, L., HOFMANN, N., ... NEPI, C. (2020). Notulae to the Italian alien vascular flora: 10. *Italian Botanist*, 10, 57–71. <https://doi.org/10.3897/italianbotanist.10.60736>

- LAMI, F., **BOSCUTTI, F.**, MASIN, R., SIGURA, M., & MARINI, L. (2020). Seed predation intensity and stability in agro-ecosystems: Role of predator diversity and soil disturbance. *Agriculture, Ecosystems & Environment*, 288, 106720. <https://doi.org/10.1016/j.agee.2019.106720>
- MAINARDIS, M., **BOSCUTTI, F.**, CEBOLLA, M. DEL M. R., & PERGHER, G. (2020). Comparison between flaming, mowing and tillage weed control in the vineyard: Effects on plant community, diversity and abundance. *PLOS ONE*, 15(8), e0238396. <https://doi.org/10.1371/journal.pone.0238396>
- PELLEGRINI, E., FORLANI, G., **BOSCUTTI, F.**, & CASOLO, V. (2020). Evidence of non-structural carbohydrates-mediated response to flooding and salinity in *Limonium narbonense* and *Salicornia fruticosa*. *Aquatic Botany*, 166, 103265. <https://doi.org/10.1016/j.aquabot.2020.103265>
- TORDONI, E., CASOLO, V., BACARO, G., MARTINI, F., ROSSI, A., & **BOSCUTTI, F.** (2020). Climate and landscape heterogeneity drive spatial pattern of endemic plant diversity within local hotspots in South-Eastern Alps. *Perspectives in Plant Ecology, Evolution and Systematics*, 43, 125512. <https://doi.org/10.1016/j.ppees.2020.125512>
- VITTI, S., PELLEGRINI, E., CASOLO, V., TROTTA, G., & **BOSCUTTI, F.** (2020). Contrasting responses of native and alien plant species to soil properties shed new light on the invasion of dune systems. *Journal of Plant Ecology*, 13(6), 667–675. <https://doi.org/10.1093/jpe/rtaa052>
- ZANDIGIACOMO, P., **BOSCUTTI, F.**, BUIAN, F. M., VILLANI, A., WIEDEMEIER, P., & CARGNUS, E. (2020). Occurrence of the non-native species *Ophraella communa* on *Ambrosia artemisiifolia* in north-eastern Italy, with records from Slovenia and Croatia. *Bulletin of Insectology*, 73, 87–94.
- BOSCUTTI, F.**, VITTI, S., CASOLO, V., ROPPA, F., TAMBURLIN, D., & SPONZA, S. (2019). Seagrass meadow cover and species composition drive the abundance of Eurasian wigeon (*Mareca penelope* L.) in a lagoon ecosystem of the northern Adriatic Sea. *Ecological Research*, 34(2), 320–327. <https://doi.org/10.1111/1440-1703.1070>
- FILIPPI, A., PETRUSSA, E., **BOSCUTTI, F.**, VUERICH, M., VRHOVSEK, U., RABIEI, Z., & BRAIDOT, E. (2019). Bioactive Polyphenols Modulate Enzymes Involved in Grapevine Pathogenesis and Chitinase Activity at Increasing Complexity Levels. *International Journal of Molecular Sciences*, 20(24), 6357. <https://doi.org/10.3390/ijms20246357>
- BERNARDINI, F., SIBILIA, E., KASZTOVSZKY, ZS., **BOSCUTTI, F.**, DE MIN, A., LENA, D., TURCO, G., MICHELI, R., TUNIZ, C., & MONTAGNARI KOKELJ, M. (2018). Evidence of open-air late prehistoric occupation in the Trieste area (north-eastern Italy): Dating, 3D clay plaster characterization and obsidian provenancing. *Archaeological and Anthropological Sciences*, 10(8), 1933–1943. <https://doi.org/10.1007/s12520-017-0504-7>
- BOSCUTTI, F.**, CASOLO, V., BERALDO, P., BRAIDOT, E., ZANCANI, M., & RIXEN, C. (2018). Shrub growth and plant diversity along an elevation gradient: Evidence of indirect effects of climate on alpine ecosystems. *PLOS ONE*, 13(4), e0196653. <https://doi.org/10.1371/journal.pone.0196653>
- BOSCUTTI, F.**, SIGURA, M., SIMONE, S. D., & MARINI, L. (2018). Exotic plant invasion in agricultural landscapes: A matter of dispersal mode and disturbance intensity. *Applied Vegetation Science*, 21(2), 250–257. <https://doi.org/10.1111/avsc.12351>
- PELLEGRINI, E., **BOSCUTTI, F.**, DE NOBILI, M., & CASOLO, V. (2018). Plant traits shape the effects of tidal flooding on soil and plant communities in saltmarshes. *Plant Ecology*, 219(7), 823–835. <https://doi.org/10.1007/s11258-018-0837-z>
- PETRUSSA, E., **BOSCUTTI, F.**, VIANELLO, A., & CASOLO, V. (2018). 'Last In–First Out': Seasonal variations of non-structural carbohydrates, glucose-6-phosphate and ATP in tubers of two *Arum* species. *Plant Biology*, 20(2), 346–356. <https://doi.org/10.1111/plb.12673>
- BOSCUTTI, F.**, VIANELLO, A., BOZZATO, F., & CASOLO, V. (2017). Vegetation structure, species life span, and exotic status elucidate plant succession in a limestone quarry reclamation. *Restoration Ecology*, 25(4), 595–604. <https://doi.org/10.1111/rec.12476>
- DE SIMONE, S., SIGURA, M., & **BOSCUTTI, F.** (2017). Patterns of biodiversity and habitat sensitivity in agricultural landscapes. *Journal of Environmental Planning and Management*, 60(7), 1173–1192. <https://doi.org/10.1080/09640568.2016.1205971>
- TRIFILÒ, P., CASOLO, V., RAIMONDO, F., PETRUSSA, E., **BOSCUTTI, F.**, LO GULLO, M. A., & NARDINI, A. (2017). Effects of prolonged drought on stem non-structural carbohydrates content and post-drought hydraulic recovery in *Laurus nobilis* L.: The possible link between carbon starvation and hydraulic failure. *Plant Physiology and Biochemistry*, 120, 232–241. <https://doi.org/10.1016/j.plaphy.2017.10.003>
- MISSON, G., MACOR, A., **BOSCUTTI, F.**, & CASOLO, V. (2016). Ecological characterisation of *hippuris vulgaris* populations growing in spring Water Rivers. *Phyton - Annales Rei Botanicae*, 56(2), 209–224. Scopus. [https://doi.org/10.12905/0380.phyton56\(2\)2016-0209](https://doi.org/10.12905/0380.phyton56(2)2016-0209)
- TAMBURINI, G., DE SIMONE, S., SIGURA, M., **BOSCUTTI, F.**, & MARINI, L. (2016). Conservation tillage mitigates the negative effect of landscape simplification on biological control. *Journal of Applied Ecology*, 53(1), 233–241. <https://doi.org/10.1111/1365-2664.12544>
- TAMBURINI, G., PEVERE, I., FORNASINI, N., DE SIMONE, S., SIGURA, M., **BOSCUTTI, F.**, & MARINI, L. (2016). Conservation tillage reduces the negative impact of urbanisation on carabid communities. *Insect Conservation and Diversity*, n/a-n/a. <https://doi.org/10.1111/icad.12181>

- TAMBURINI, G., SIMONE, S. D., SIGURA, M., **BOSCUTTI, F.**, & MARINI, L. (2016). Soil management shapes ecosystem service provision and trade-offs in agricultural landscapes. *Proc. R. Soc. B*, 283(1837), 20161369. <https://doi.org/10.1098/rspb.2016.1369>
- VITTORI ANTISARI, L., FERRONATO, C., PELLEGRINI, E., **BOSCUTTI, F.**, CASOLO, V., DE NOBILI, M., & VIANELLO, G. (2016). Soil properties and plant community relationship in a saltmarsh of the Grado and Marano lagoon (northern Italy). *Journal of Soils and Sediments*. <https://doi.org/10.1007/s11368-016-1510-6>
- BOSCUTTI, F.**, MARCORIN, I., SIGURA, M., BRESSAN, E., TAMBERLICH, F., VIANELLO, A., & CASOLO, V. (2015). Distribution modeling of seagrasses in brackish waters of Grado-Marano lagoon (Northern Adriatic Sea). *Estuarine, Coastal and Shelf Science*, 164, 183–193. <https://doi.org/10.1016/j.ecss.2015.07.035>
- BOSCUTTI, F.**, SIGURA, M., GAMBON, N., LAGAZIO, C., KRÜSI, B. O., & BONFANTI, P. (2015). Conservation Tillage Affects Species Composition But Not Species Diversity: A Comparative Study in Northern Italy. *Environmental Management*, 55(2), 443–452. <https://doi.org/10.1007/s00267-014-0402-z>
- ZANCANI, M., CASOLO, V., PETRUSSA, E., PERESSON, C., PATUI, S., BERTOLINI, A., DE COL, V., BRAIDOT, E., **BOSCUTTI, F.**, & VIANELLO, A. (2015). The Permeability Transition in Plant Mitochondria: The Missing Link. *Plant Physiology*, 1120. <https://doi.org/10.3389/fpls.2015.01120>
- BOSCUTTI, F.**, POLDINI, L., & BUCCHERI, M. (2014). Green alder communities in the Alps: Phytosociological variability and ecological features. *Plant Biosystems - An International Journal Dealing with All Aspects of Plant Biology*, 148(5), 917–934. <https://doi.org/10.1080/11263504.2013.809813>
- ALBERTI, G., **BOSCUTTI, F.**, PIROTTI, F., BERTACCO, C., DE SIMON, G., SIGURA, M., CAZORZI, F., & BONFANTI, P. (2013). A LiDAR-based approach for a multi-purpose characterization of Alpine forests: An Italian case study. *IForest - Biogeosciences and Forestry*, 6(3), 156–168. <https://doi.org/10.3832/ifor0876-006>
- MARCHIOL, L., FELLET, G., **BOSCUTTI, F.**, MONTELLA, C., MOZZI, R., & GUARINO, C. (2013). Gentle remediation at the former “Pertusola Sud” zinc smelter: Evaluation of native species for phytoremediation purposes. *Ecological Engineering*, 53, 343–353. <https://doi.org/10.1016/j.ecoleng.2012.12.072>

## Local journals:

- MARTINI, F., CASOLO, V., **BOSCUTTI, F.** (2023) L'attività floristica di G. A. Scopoli (1723-1788) del territorio del Friuli Venezia Giulia. *Gortania-Atti del Museo Friulano di Storia Naturale Botanica Zoologia*, 45: 33-38. ISSN: 2038-0402
- TROTTA G., & **BOSCUTTI, F.** (2023). Il paesaggio vegetale di Prepotto. *Sot la Nape*. 75 (2) 61-76. ISSN: 1120-8961
- BOSCUTTI, F.** (2021). Il paesaggio vegetale di Dolegna del Collio - Piante, uomini, rocce e il mosaico paesaggistico *Sot la Nape*. 73. 66-80. ISSN: 1120-8961
- BUCCHERI, M., **BOSCUTTI, F.**, PELLEGRINI, E., & MARTINI F. (2019). La flora aliena nel Friuli Venezia Giulia. *Gortania*. 40. 7-78.
- DE COL, V., POSSAMAI, M., **BOSCUTTI, F.**, ROFFARÈ, G., & CASOLO V. (2016). Inquadramento ecologico-vegetazionale e distribuzione di *Geranium palustre* L. in Alpago (BL). *Annali del Museo Civico di Rovereto* 32:179-206. ISSN: 1720-9161
- BOSCUTTI F.** (2013). *Trisetum flavescens* (L.) P.P.Beauv. ssp. *purpurascens* (DC.) Arcang. (Poaceae). In MARTINI F. – Aggiornamenti alla Flora del Friuli Venezia Giulia (Italia nord-orientale). Nuova serie. I(1- 40), *Gortania-Atti del Museo Friulano di Storia Naturale Botanica Zoologia*, 35:43 ISSN: 2038-0402
- SIGURA, M., **BOSCUTTI, F.**, & ZORZA R. (2010). Fabbricati rurali e componenti ambientali per la lettura del paesaggio montano. *Territori*, 1:48-51 ISSN:2039-8069
- BOSCUTTI, F.**, MARTINI, F., SIMONETTI, W., WATSCHINGER, M. (2009) Flora vascolare spontanea di Cividale del Friuli (NE Italia). *Gortania-Atti del Museo Friulano di Storia Naturale Botanica Zoologia*, 31: 37-52 ISSN: 2038-0402
- BOSCUTTI, F.**, BUCCHERI, M., & CASOLO, V. (2008). Ibridi del genere *Prunella* in Friuli Venezia Giulia. *Gortania. Atti Museo Friul. di Storia Nat.*, 30 ISSN: 0391-5859.
- POLI, D., **BOSCUTTI, F.**, SALA, C., & CASOLO, V. (2008). Flora di un'azienda vitivinicola nei magredi pordenonesi. *Bollettino della Società Naturalisti "Silvia Zenari"*, Pordenone, 32 ISSN 1720-0245.

**BOSCUTTI, F., BUCCHERI, M., BRUNA, A., FILIPPIN, B., LASEN, C., & ULIANA, F. (2006)** *Helictotrichon parlatorei* (Woods) Pilger (Poaceae). in 225 - Segnalazioni floristiche dalla Regione Friuli Venezia Giulia. *Gortania. Atti Museo Friul. di Storia Nat.*, 28 ISSN: 0391-5859.

**BOSCUTTI, F., BRUNA, A., COSTALONGA, S., & LASEN, C. (2006)** *Poa chaixii* Vill. (Poaceae) in 224 - Segnalazioni floristiche dalla Regione Friuli Venezia Giulia. *Gortania. Atti Museo Friul. Di Storia Nat.*, 28 ISSN: 0391-5859.

## Book chapter:

**BOSCUTTI, F., VUERICH, M., (2023).** L'acqua sale, le piante soffrono: le barene lagunari e il cambiamento climatico. In Segnali dal clima in FVG-cambiamenti impatti azioni. 54-57. ARPA FVG-Agenzia Regionale per la Protezione dell'Ambiente del Friuli Venezia Giulia.

**BOSCUTTI, F., TREVISAN, F., SCAGNETTO I. (2023).** Le fanerogame sommerse viste da vicino . In Segnali dal clima in FVG-cambiamenti impatti azioni (pp. 58-59). ARPA FVG-Agenzia Regionale per la Protezione dell'Ambiente del Friuli Venezia Giulia.

**BOSCUTTI, F., CASOLO, V., & VIANELLO, A. (2017)** La ricchezza floristica e vegetazionale. In: Pugnetti G., Lucci B.: Mueç. 87-102, Udine: *Società Filologica Friulana*, ISBN: 978-88-7636-249-1

STRAZZABOSCHI, L., PELLEGRINI, E., & **BOSCUTTI, F. (2015).** La flora delle aree terrazzate. In: Casolo V.: Il borgo di Porzûs: tra prati e cielo. L'equilibrio tra uomo e natura nello sviluppo del territorio. 59-68, Udine: *Forum Editrice Universitaria Udinese*, ISBN 978-88-8420-879-8

**BOSCUTTI, F., BUCCHERI, M., & MARTINI F. (2014).** La vegetazione della ZSC "Pineta di Lignano" e i suoi cambiamenti negli ultimi decenni. In: Bortolotti M.: Lignano. 1: 62-82, Udine: *Società Filologica Friulana*, ISBN: 978-88-7636-184-5

CASOLO, V., **BOSCUTTI, F.**, BOZZATO, F., BONALDO, G., & VIANELLO, A. (2013). Floristic diversity in the S. Giuseppe quarry of Basovizza. *Forum Editrice Universitaria Udinese*, ISBN 978-88-8420-823-1

CASOLO, V., **BOSCUTTI, F.**, BOZZATO, F., BONALDO, G., & VIANELLO, A. (2012). La diversità floristica della cava S. Giuseppe di Basovizza. *Forum Editrice Universitaria Udinese*, ISBN 978-88-8420-750-0

SIGURA, M., **BOSCUTTI, F.**, & GAMBON, N. (2012). Agricoltura conservativa, biodiversità e naturalità dell'ambiente coltivato. In : Delle Vedove G., Bonfanti P. Agricoltura conservativa in Friuli Venezia Giulia una opportunità per i seminativi. Udine: *Dipartimento Scienze Agrarie Ambientali Università di Udine*, ISBN: 978-88-902427-2-4

CASOLO, V., **BOSCUTTI, F. (2011).** Il paesaggio naturale di Tricesimo. In: Costantini E.: Tresesin, ad Tricesimum. P. 35-48, Udine: *Società Filologica Friulana*, ISBN: 978-88-7636-144-9

## Conferences:

International:

**BOSCUTTI, F., TROTTA, G., CASOLO, V., PETRUSSA, E., BRAIDOT, E., ZANCANI, M., & VUERICH M. (2023).** *The shape of plant community to come: linking species functional response and climate-induced shifts in alpine tundra dwarf shrub community.* 4th International Conference on Community Ecology. Trieste, Italy. 20-22 September 2023

MARTINI, F., **BOSCUTTI, F.**, & CASOLO, V., (2023). *The contribution of G. A. Scopoli (1723-1788) to the knowledge of the flora in Friuli Venezia Giulia.* International expert consultation on the occasion of the 300th anniversary of the birth of the polymath Joannes Antonius Scopoli. Galerija Magazin Idrija, Slovenia. 02 June 2023.

**BOSCUTTI, F., PELLEGRINI, E., BUCCHERI, M., MARTINI, F., & MARINI, L. (2021).** *From local to landscape disturbances: new perspectives in alien plant invasions across multiple spatial scales.* VII International Plant Science Conference (IPSC). Online, 8-10 September 2021.

MOSANGHINI, D., ORIOLO, G., & **BOSCUTTI, F. (2021).** *Different ways to success: plant community trajectories along time and a soil moisture gradient in restored wetlands.* VII International Plant Science Conference (IPSC). Online, 8-10 September 2021.

VUERICH, M., CINGANO, P., PETRUSSA, E., BRAIDOT, E., PELLEGRINI, E., & **BOSCUTTI F. (2021).** *Effects of flooding stress on the saltmarsh halophyte *Salicornia fruticosa* (L.) L.: upscaling perspectives.* VII International Plant Science Conference (IPSC). Online, 8-10 September 2021.

**BOSCUTTI, F., GEPPERT, C., CORCOS, D., BRAIDOT, E., PETRUSSA, E., FILIPPI, A., & MARINI, L. (2019).** *Relationships between plant traits, insect herbivores and plant invasion along elevation in a soil disturbance experiment in permanent meadows.* VI International Plant Science Conference (IPSC). Padova, 4 – 7 September 2019.

**BOSCUCCI, F.**, BRAIDOT, E., CASOLO, V., FILIPPI, A., PETRUSSA, E., & ZANCANI, M. (2018). *Plant traits and plant-plant interactions shape the effect of elevation on Vaccinium myrtillus communities in Alpine tundra*. V International Plant Science Conference (IPSC), Fisciano (Salerno), University Campus, 12 - 15 September 2018

DELLA LONGA, G., **BOSCUCCI, F.**, MARINI, L., & ALBERTI, G. (2017). *Traditional forest management and biodiversity in a lowland wood remnant in North-East Italy*. Forest research in the big data era. 6-9.09.2017. Beijing, China

**BOSCUCCI, F.**, CASOLO, V., D'AMBROGIO, M., SALZILLO, F., & RIXEN, C. (2016). *Shrub cover rather than climate is a direct driver of plant diversity in alpine tundra*. EcoSummit 2016 Ecological Sustainability: Engineering Change. 29.08-01.09.2016, Montpellier, France

DE SIMONE, S., TAMBURINI, G., SIGURA, M., **BOSCUCCI, F.**, & MARINI, L. (2016). *Landscape complexity and tillage affect the provision and trade-off of multiple ecosystem services of agro-ecosystem*. EcoSummit 2016 Ecological Sustainability: Engineering Change. 29.08-01.09.2016, Montpellier, France

MARCHIOL, L., FELLET, G., **BOSCUCCI, F.**, MONTELLA, C., MOZZI, R., & GUARINO, C. (2012). *Gentle remediation at the former "Pertusola Sud" zinc smelter: evaluation of native species for phytoremediation purposes*. In: 9th International Phytotechnologies Conference. Hasselt, Belgium

**BOSCUCCI, F.**, BERTACCO, C., DE SIMON, G., MERCI, A., BLASONE, G., BARILOTTI, A., ALBERTI, G., CAZORZI, F., SIGURA, M., & BONFANTI, P. (2011). *Alpine mixed forest characterization using LIDAR data: the ALIFORMIDI Project*. Spatial Ecology and Conservation conference, 05-07.09.2011, Birmingham, UK.

Local

**BOSCUCCI, F.**, BUCCHERI, M., PELLEGRINI, E., & MARTINI, F. (2019). *La flora aliena del Friuli Venezia Giulia: distribuzione e caratterizzazione*. Il Giornata di studio "La Flora in Italia: stato delle conoscenze, nuove frontiere, divulgazione" Sabato 14 dicembre 2019 – ROMA, Università la Sapienza.

CASOLO, V., **BOSCUCCI, F.** (2016). Modelli di distribuzione delle fanerogame sommerse nella Laguna di Grado e Marano. 2° seminario di ecologia costiera. 05.05.2016 Taglio di Po, Rovigo.

CASOLO, V., **BOSCUCCI, F.**, & VIANELLO, A. (2015). *Una gestione responsabile delle attività industriali può trasformarsi in difesa della biodiversità?*. Bergamoscienza 2015. 15.10.2015, Bergamo

MARCHIOL, L., FELLET, G., ZERBI, G., **BOSCUCCI, F.**, CONTE, B., MONTELLA, C., & GUARINO, C. (2012). *Esperienze di fitorisanamento presso due aree industriali*. Micron, 22, 107-123.

CASOLO, V., PERESSON, C., BERTOLINI, A., **BOSCUCCI, F.**, & VIANELLO, A., (2010). *ATP level in Phragmites australis and Bolboschoenus maritimus leaves in relation with phenology and salinity*. In: Atti del II Convegno della Società Italiana di Biologia Vegetale. Roma.

BONFANTI, P., **BOSCUCCI, F.**, ORIOLO, G., & SIGURA, M., (2009). *Sostenibilità ed attività agricola in aree ad elevato valore naturale*. Memoria n. 6-18. IX Convegno Nazionale "Ricerca e innovazione nell'ingegneria dei biosistemi agro-territoriali" dell'Associazione Italiana di Ingegneria Agraria, Ischia Porto.

BONFANTI, P., **BOSCUCCI, F.**, SIGURA, M., & ZORZA, R. (2008). *I prati da sfalcio come elementi del paesaggio culturale il caso di studio dell'area montana delle Valli del Natisone (Udine)*. In: Atti del Convegno Ruralia "Segni dell'uomo e trasformazioni del paesaggio analisi storica e prospettive di valorizzazione" – AIIA. Segni dell'uomo e trasformazioni del paesaggio analisi storica e prospettive di valorizzazione. Marina di Pisticci, Matera. 18-20/09/2008. : AIIA. 2008 .

BONFANTI, P., **BOSCUCCI, F.**, SIGURA, M., & ZORZA, R. (2008)- *Agricoltura, biodiversità e paesaggio un trinomio per lo sviluppo sostenibile del territorio rurale*. Atti VI Convegno AISSA, "Agricoltura, paesaggio e territorio tra conservazione e innovazione: il ruolo della ricerca. Imola 26-28 novembre 2008. ISBN:978-88-902670-9-3.

## Apps – web:

NIMIS, P.L., **BOSCUCCI, F.**, MARTINI, F., MORO, A., SIMONETTI, G., WATSCHINGER, M., & MARTELLOS, S. - *Guida alla flora urbana di Cividale del Friuli (UD)*  
[http://dbiodbs.units.it/carso/chiavi\\_pub21?sc=663](http://dbiodbs.units.it/carso/chiavi_pub21?sc=663)

NIMIS, P.L., **BOSCUCCI, F.**, CASOLO, V., LAGNAZ, D., & BÄCHTIGER, J.B. - *Una guida didattica alla flora del Fiume Tagliamento (Friuli Venezia Giulia)*  
[http://dbiodbs.units.it/carso/chiavi\\_pub21?sc=668](http://dbiodbs.units.it/carso/chiavi_pub21?sc=668)

## Grey literature:

SIGURA, M., **BOSCUTTI, F.**, BUCCHERI, M., DORIGO, L., GLERAN, P., LAPINI, L., PETRUCCO, R., RENZI, G., VIDULICH, M., & ZANCHETTA, P. (2017). *Vademecum per l'individuazione della rete ecologica alla scala locale*. Servizio tutela del paesaggio e biodiversità, Regione Autonoma Friuli Venezia Giulia. Udine.

**BOSCUTTI, F.**, BILLIO, E., & CASOLO, V. (2012). *Carte putative di distribuzione dei principali phylum macroalgali della Laguna di Grado e Marano*.

ALBERTI, G., BERTACCO, C., BLASONE, G., **BOSCUTTI, F.**, DE SIMON, G., & SIGURA, M. (2011). *Sperimentazione di metodi innovativi di analisi di dati LiDAR per l'individuazione della struttura del bosco, delle tipologie forestali, del carbonio stoccato e della mitigazione del dissesto idrogeologico*. Final Report of Ali.For.MiDI Project. Udine.

**BOSCUTTI, F.** (2010). *Analisi della pressione antropica dell'agricoltura in aree ad elevato valore naturalistico*. Tesi di Dottorato in Economia, Ecologia e Tutela dei Sistemi Agricoli e Paesistico Ambientali (ciclo XXII), Università degli Studi di Udine, Udine.

**BOSCUTTI, F.** (2004). *La Flora urbana di Cividale*. Tesi di Laurea in Scienze Naturali, Università degli Studi di Trieste, Trieste