

Curriculum vitae

PERSONAL INFORMATION

Name	ROSSANO BOLPAGNI
Address	
Telephone	
Email	rossano.bolpagni@unipr.it
Nationality	Italian
Date of birth	03/08/1976
Tax code	BLPRSN76M03B157X
Scientific IDs	Scopus ID: 16303194200 orcid.org/0000-0001-9283-2821 ResearcherID: Q-7053-2018

CURRENT POSITION

RTT (SSD BIO/07) (dal 1° ottobre 2023 – in corso)
Department of Chemistry, Life Sciences and Environmental Sustainability
University of Parma (UNIPR)

BIBLIOMETRIC INDICATORS

Hirsch index (16/01/2026)	<i>h-index</i> = 28 (2292 citazioni, 120 documenti; <i>WOS</i>) <i>h-index</i> = 31 (2878 citazioni, 120 documenti; <i>Scopus</i>) <i>h-index</i> = 35 (3900 citazioni, 160 documenti; <i>Google Scholar</i>)
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NATIONAL SCIENTIFIC QUALIFICATION

Since 06/04/2017, qualified for competition sectors 05/A1 (SSD BIO/03) and 05/C1 (SSD BIO/07) as Associate Professor; since 31/05/2021, qualified for sector 05/A1 (SSD BIO/03) as Full Professor

MEMBERSHIP IN THE PHD TEACHING BOARD

Dr Bolpagni was a member of the Committee of the PhD programme in Evolutionary Biology and Ecology – consortium sites UNIPR, UNIFE & UNIFI (cycles 35 and 36); he is a member of the teaching board of the PhD programme in Evolutionary Biology and Ecology – consortium sites UNIPR & UNIFI (cycle 41).

PARTICIPATION IN ACADEMIC SPIN-OFFS

Dr Bolpagni is a founding member of the university spin-off GREENARCO at the University of Bologna (chair: Prof. Alessandro Chiarucci) (see <https://www.greenarco.com/>).

PHD AND TRAINING PATHWAY

- RTT (dal 1° ottobre 2023) – *in corso*
- RtdA (from 1 December 2019 to 1 December 2022; 3 years)
- Research Fellow [10 years, at UNIPR (9 years) and CNR-IREA (1 year)], with the following framework and time articulation:
 - pursuant to Art. 51, paragraph 6 of Law no. 449/1997, from 01/04/2009 to 31/03/2011, and from 16/04/2011 to 15/04/2013 (4 years)
 - pursuant to Art. 22 of Law no. 240/2010, from 16/04/2013 to 15/04/2014, and from 15/05/2014 to 14/05/2018, from 15/06/2018 to 14/06/2019 (6 years)
- Research fellowship holder (June 2006–March 2007; November 2007–February 2008; July 2008–January 2009; February 2023–present; total 26 months)
- PhD candidate (November 2002–December 2005, UNIPR)
- Laurea in Scienze Biologiche (vecchio ordinamento, 11 luglio 2000, voto 110/110 e lode, presso UNIPR).

Seguono informazioni di dettaglio sul percorso di dottorato.

• Dates (from – to)	novembre 2002 – dicembre 2005
• Name and type of education or training institution	University of Parma
• Main subjects / professional skills covered	Within the PhD programme in Ecology (XVII cycle), with particular reference to plants (macrophytes) and vegetation of aquatic environments, Dr Bolpagni investigated: 1) adaptation processes of rooted aquatic plants (rhizophytes) in ecosystems with different degrees of hypoxia and 2) responses of aquatic vegetation to the main environmental drivers (abiotic/biotic). The degree was awarded on 9 March 2006. Thesis title: “Adaptations of rooted macrophytes in sediments of wetlands with different degrees of hypoxia: implications for biogeochemical nutrient cycles and microbial processes in the rhizosphere”. Supervisors: Prof. P. Viaroli and Prof. M. Tomaselli; co-supervisor: Prof. M. Bartoli.
• Qualification awarded	PhD in Ecologia

UNIVERSITY TEACHING ACTIVITY**Anno accademico di erogazione: 2024/2025**

- MODULO: FUNZIONI, SERVIZI E RIQUALIFICAZIONI DEGLI ECOSISTEMI
Anno di corso: 2 - Corso di Laurea Magistrale - SCIENZE E TECNOLOGIE PER L'AMBIENTE E LE RISORSE - Coorte: 2023/2024
- NATURE-BASED SOLUTIONS FOR THE ECOLOGICAL TRANSITION OF URBAN-AND AGRO-ECOSYSTEMS
Anno di corso: 2 - Corso di Laurea Magistrale - SCIENZE E TECNOLOGIE PER L'AMBIENTE E LE RISORSE - Coorte: 2023/2024
- Ecologia Applicata
Anno di corso: 2 - Laurea triennale (DM 270) - SCIENZE GASTRONOMICHE - Coorte: 2022/2023

Anno accademico di erogazione: 2023/2024

- Ecologia Applicata
Anno di corso: 2 - Laurea triennale (DM 270) - SCIENZE GASTRONOMICHE - Coorte: 2022/2023
- MODULO: FUNZIONI, SERVIZI E RIQUALIFICAZIONI DEGLI ECOSISTEMI
Anno di corso: 2 - Corso di Laurea Magistrale - SCIENZE E

- TECNOLOGIE PER L'AMBIENTE E LE RISORSE - Coorte: 2022/2023
- NATURE-BASED SOLUTIONS FOR THE ECOLOGICAL TRANSITION OF URBAN-AND AGRO-ECOSYSTEMS
Anno di corso: 2 - Corso di Laurea Magistrale - SCIENZE E TECNOLOGIE PER L'AMBIENTE E LE RISORSE - Coorte: 2022/2023
- Anno accademico di erogazione: 2022/2023**
- Ecologia Applicata
Anno di corso: 2 - Laurea triennale (DM 270) - SCIENZE GASTRONOMICHE - Coorte: 2021/2022
 - NATURE-BASED SOLUTIONS FOR THE ECOLOGICAL TRANSITION OF URBAN-AND AGRO-ECOSYSTEMS
Anno di corso: 2 - Corso di Laurea Magistrale - SCIENZE E TECNOLOGIE PER L'AMBIENTE E LE RISORSE - Coorte: 2021/2022
- Anno accademico di erogazione: 2021/2022**
- Ecologia Applicata
Anno di corso: 2 - Laurea triennale (DM 270) - SCIENZE GASTRONOMICHE - Coorte: 2020/2021
 - LABORATORIO DI ECOLOGIA ACQUATICA
Anno di corso: 2 - Corso di Laurea Magistrale - SCIENZE E TECNOLOGIE PER L'AMBIENTE E LE RISORSE - Coorte: 2020/2021
- Anno accademico di erogazione: 2020/2021**
- Ecologia Applicata
Anno di corso: 2 - Laurea triennale (DM 270) - SCIENZE GASTRONOMICHE - Coorte: 2019/2020
 - LABORATORIO DI ECOLOGIA ACQUATICA
Anno di corso: 2 - Corso di Laurea Magistrale - SCIENZE E TECNOLOGIE PER L'AMBIENTE E LE RISORSE - Coorte: 2019/2020

- Contract lecturer for the course “Nature-based Solutions for the ecological transition of urban and agro-ecosystems” (taught in English) within the MSc STAR “Science and Technology for the Environment and Resources” – UNIPR [delivered in AY 2022/2023; SSD BIO/07 = 3 ECTS; delivered for 1 year].

- Adjunct Professor at Politecnico di Milano for the course “General Ecology” (taught in English) within the MSc “Sustainable Architecture and Landscape Design”, module “URBAN AND LANDSCAPE REGENERATION STUDIO” – POLIMI [from AY 2017/2018 to AY 2021/2022; SSD BIO/07 = 4 ECTS; delivered for 5 years].

- Contract lecturer at the University of Parma for the course “Systematic Botany” within the BSc “Science and Technology for the Conservation and Restoration of Cultural Heritage” – UNIPR [from AY 2006/2007 to AY 2008/2009; SSD BIO/02 = 3 ECTS; delivered for 3 years].

Dr Bolpagni also carried out extensive activity as an invited speaker for seminars and workshops at numerous Italian universities (including UNIPR, POLIMI, UNIBO, UNIUPO, UNIROMA1).

UNIVERSITY-LEVEL TRAINING ACTIVITY

- Teaching tutor at POLIMI (from AY 2016/2017 to AY 2018/2019, 4 years for a total of 120 teaching hours);
- Laboratory coordinator at Politecnico di Milano (from AY 2014/2015 to AY 2019/2020, 5 years for a total of 40 teaching hours);
- Teaching assistant at UNIPR (from AY 2003/2004 to AY 2015/2016, 13 years for a total of 98 teaching hours);
- Lecturer for the inter-university Master’s programme in Environmental and Wildlife Management and Conservation (<http://masterfauna.biol.unipr.it/>); from

AY 2014/2015 to AY 2018/2019, and AY 2020/2021; 6 years for a total of 15 teaching hours);

- Supervisor/co-supervisor of 3 PhD theses (since AY 2009/2010), 31 Master's theses (since AY 2004/2005) and 11 Bachelor's theses (since AY 2004/2005).

RESEARCH ACTIVITY AT QUALIFIED ITALIAN INSTITUTIONS

Dr Bolpagni's RESEARCH ACTIVITIES can be framed within the theme: "Macrophyte Biodiversity and Functioning in inland waters: micro and macro perspectives and implications for aquatic habitat functioning".

Building on the experience gained during the PhD programme in Ecology—during which Dr Bolpagni specifically investigated the ecophysiological adaptations of rooted macrophytes (at the individual level) along environmental gradients—his research pathway progressively expanded to include the community level and, subsequently, the habitat level. This gradual shift of (biological and functional) scale was made possible thanks to: i) refinement of experimental strategies (e.g., micro- and mesocosms, sampling designs), ii) the broadening of technical skills (taxonomy, community structure, ecophysiology, abiotic–biotic interactions, remote-sensing techniques), and iii) the scientific output produced throughout the studies. This is an innovative and interactive research path that has led Dr Bolpagni to explore original topics independently, thanks to direct and active interaction with numerous national and international research groups. In parallel with the academic pathway, Dr Bolpagni contributed to a significant number of applied projects, interacting with a large and diverse set of bodies, including ISPRA, ADBPO, AIPO, the Lombardy and Emilia-Romagna Regions, the Mincio Park and the Oglio Sud River Park, and several professional firms involved in environmental design and restoration.

Among Dr Bolpagni's most innovative research fields, particular attention has been paid to:

- **i) analysis of spatial patterns and determinants of the decline of aquatic and marsh vegetation;**
 - **ii) study of macrophyte responses to environmental stressors (e.g., hypoxia, anoxia, eutrophication, contamination) and associated biogeochemical processes (cycling of C, N and P), also through the characterisation of macrophyte functional traits;**
 - **iii) study of biological invasions, including the development of the Exocene paradigm;**
 - **iv) contribution of the river mosaic and aquatic vegetation more generally to C metabolism;**
 - **v) use of remote-sensing techniques for the study and monitoring of aquatic habitats;**
 - **vi) gestione e valorizzazione degli habitat acquatici.**
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PROJECT ACTIVITY

Dr Bolpagni's RESEARCH ACTIVITIES were carried out within numerous project activities to which he has contributed since 2001.

Dr Bolpagni's contribution to the various projects can be categorised as follows: participation as 1) Principal Investigator/SUPERVISOR (PI), 2) COORDINATOR—i.e., coordinating research units, in most cases focused on the study/characterisation of primary producers/aquatic macrophytes—and 3) PARTICIPANT—i.e., contributing to the execution of research activities. In addition to these coordination/participation activities, Dr

Bolpagni was involved in numerous professional experiences characterised by research activities.

Specifically, Dr Bolpagni held the role of:

- **PRINCIPAL INVESTIGATOR/SUPERVISOR IN 12 RESEARCH PROJECTS (SINCE 2005)**
- **PROJECT-UNIT COORDINATOR IN 13 PROJECTS (SINCE 2003)**
- **PARTICIPANT (supporting activities) in 16 projects (since 2001)**

PRINCIPAL INVESTIGATOR

<ul style="list-style-type: none"> • Dates (from – to) 	Novembre 2024 – ottobre 2025
<ul style="list-style-type: none"> • Organizations involved 	Ministry of University and Research, Spoke 3 of the National Centre for Biodiversity – PNRR
<ul style="list-style-type: none"> • Title 	iMAD: development of the Italian MAcrophytes Database
<ul style="list-style-type: none"> • Type of activity 	Basic research
<ul style="list-style-type: none"> • Research topic 	Updating knowledge on macrophytes at national scale; literature research and updates.
<ul style="list-style-type: none"> • Role 	PI
<ul style="list-style-type: none"> • Dates (from – to) 	agosto 2024 – agosto 2027
<ul style="list-style-type: none"> • Organizations involved 	Commissione Europea – MSCA-global
<ul style="list-style-type: none"> • Title 	DIVE IN: Predicting functional DIVERsity of INvasive freshwater plants
<ul style="list-style-type: none"> • Type of activity 	Basic research
<ul style="list-style-type: none"> • Research topic 	Studio delle nicchie ecologiche e funzionali, e delle traiettorie dinamiche di tre macrofite invasive in Europa, Brasile e Canada.
<ul style="list-style-type: none"> • Role 	Supervisor
<ul style="list-style-type: none"> • Dates (from – to) 	dicembre 2024 – giugno 2026
<ul style="list-style-type: none"> • Organizations involved 	Po River Basin Authority
<ul style="list-style-type: none"> • Title 	Monitoraggio ecosistemico multidisciplinare del progetto di Rinaturazione dell'area del Po.
<ul style="list-style-type: none"> • Type of activity 	Technical-scientific support and research
<ul style="list-style-type: none"> • Research topic 	Multi-target monitoring to assess the effectiveness of Po River renaturation interventions financed under the PNRR.
<ul style="list-style-type: none"> • Role 	PI
<ul style="list-style-type: none"> • Dates (from – to) 	dicembre 2024 – dicembre 2026
<ul style="list-style-type: none"> • Organizations involved 	Interregional Agency for the Po River
<ul style="list-style-type: none"> • Title 	Environmental monitoring activities within interventions aimed at restoring free-flowing conditions along the Po River
<ul style="list-style-type: none"> • Type of activity 	Technical-scientific support and research
<ul style="list-style-type: none"> • Research topic 	Ecosystem and functional assessment of the interference caused by the construction of a series of river groynes in the Bergantino–Ferrara stretch of the Po River.
<ul style="list-style-type: none"> • Role 	PI
<ul style="list-style-type: none"> • Dates (from – to) 	agosto 2024 – dicembre 2026
<ul style="list-style-type: none"> • Organizations involved 	Po River Basin Authority
<ul style="list-style-type: none"> • Title 	Analysis of target species of the Natura 2000 network and continuation of monitoring through 2026 of ecological effects on the Gussola groyne-backwater oxbow following the lowering of the Po River navigation groyne in the Isola Maria Luigia area
<ul style="list-style-type: none"> • Type of activity 	Technical-scientific support and research
<ul style="list-style-type: none"> • Research topic 	To ensure the continuation of activities evaluating multiple responses (in terms of biodiversity and functions) of the backwater habitat (lanca) following the re-sectioning of the navigation groyne, with further analyses of the animal component (amphibians/reptiles).
<ul style="list-style-type: none"> • Role 	PI
<ul style="list-style-type: none"> • Dates (from – to) 	maggio 2023 – settembre 2025
<ul style="list-style-type: none"> • Organizations involved 	Parco Regionale Oglio Sud
<ul style="list-style-type: none"> • Title 	Aggiornamento delle conoscenze e valutazione dello stato di conservazione degli habitat di interesse comunitario
<ul style="list-style-type: none"> • Type of activity 	Technical-scientific support and research
<ul style="list-style-type: none"> • Research topic 	Monitoring of habitats of Community interest, with particular reference to aquatic and peri-fluvial ecosystems of the Oglio River (Lombardy)
<ul style="list-style-type: none"> • Role 	PI
<ul style="list-style-type: none"> • Dates (from – to) 	agosto 2021 – luglio 2024

<ul style="list-style-type: none"> • Organizations involved • Title • Type of activity • Research topic • Role 	<p>Po River Basin Authority</p> <p>Analysis of ecological effects on the Gussola groyne-backwater oxbow (lanca di retro-pennello) following the lowering of Po River navigation groynes in the Isola Maria Luigia area</p> <p>Technical-scientific support and research</p> <p>Assess multiple responses (in terms of biodiversity and functions) of the backwater habitat (lanca) following the re-sectioning of the navigation groyne. Activities will focus on acquiring information on: 1) biological components of interest for the SPA, focusing on the backwater water body and associated habitats; 2) the chemical-physical quality status of water and sediments of the backwater and of the Po River; and 3) the main functional processes mediated by the backwater and by habitats associated with it.</p> <p>PI (fino a dicembre 2022 – scadenza dell'RtdA)</p>
<ul style="list-style-type: none"> • Dates (from – to) • Organizations involved • Title • Type of activity • Research topic • Role 	<p>maggio 2018 - giugno 2019</p> <p>Comune di Trento – Spin off Gen-tech</p> <p>Research activities on the lakes of Cei and Terlago (TN): monitoring management interventions for aquatic macrophytes</p> <p>Technical-scientific support and research</p> <p>The experimental activity aimed to start a data collection needed to evaluate the effectiveness of control interventions on aquatic macrophytes in the lakes of Cei and Terlago (with particular reference to <i>Myriophyllum spicatum</i> in Lake Cei); the chemical-physical quality of lake waters; and the status of sediments and the benthic compartment.</p> <p>PI</p>
<ul style="list-style-type: none"> • Dates (from – to) • Organizations involved • Title • Type of activity • Research topic • Role 	<p>settembre 2015 - novembre 2015</p> <p>University of Insubria</p> <p>Floristic-vegetation analysis of Lombardy subalpine lakes, with particular reference to their use in the quality-classification procedure under the Water Framework Directive</p> <p>Technical-scientific support and research – coordinated and continuous collaboration</p> <p>Development of environmental suitability models for aquatic habitats (3130, 3140, 3150, 3160) in Natura 2000 sites in Lombardy, aimed at applying remote-sensing techniques, monitoring and assessment of ecosystem services (activities connected to the LIFE GESTIRE project). Study of aquatic vegetation in Lombardy, with specific reference to analysing relationships with the phytoplankton component, and updating knowledge and proposals for integrated monitoring, evaluating the usefulness of information acquired by ARPA Lombardia in carrying out monitoring activities under the Water Framework Directive.</p> <p>PI</p>
<ul style="list-style-type: none"> • Dates (from – to) • Organizations involved • Title • Type of activity • Research topic • Role 	<p>febbraio 2015 - novembre 2015</p> <p>Comune di Pomponesco (MN)</p> <p>Analysis of floristic-vegetation diversity of conservation interest and management recommendations for the Garzaia di Pomponesco Reserve (MN)</p> <p>Technical-scientific support and applied research – coordinated and continuous collaboration</p> <p>Updating knowledge and studying the dynamics of riparian vegetation of the Po River, and defining conservation measures and climate-change adaptation actions</p> <p>PI</p>
<ul style="list-style-type: none"> • Dates (from – to) • Organizations involved • Title • Type of activity • Research topic • Role 	<p>novembre 2011 – maggio 2012</p> <p>University of Eastern Piedmont</p> <p>Studio degli effetti ecotossicologici su acque superficiali di miniera: componente macrofita</p> <p>Technical-scientific support and research – coordinated and continuous collaboration</p> <p>Study of structural alterations in animal and/or plant communities of water bodies subject to pollutant inputs of anthropogenic origin, such as drainage waters from abandoned mines. Assessments focused on determining some indices required by the WFD 2000/60/EC and included the collection of morpho-structural and biotic parameters, with particular reference to alterations of macrophyte communities.</p> <p>PI</p>
<ul style="list-style-type: none"> • Dates (from – to) • Organizations involved • Title • Type of activity • Research topic • Role 	<p>settembre 2005 - febbraio 2006</p> <p>Parco Lombardo del Ticino – Po River Basin Authority</p> <p>Basin-level study for the identification of reference water bodies needed to define the ecological status classification under Directive 2000/60/EC: assessment of compatibility with the classification system provided by Legislative Decree 152/99</p> <p>Technical-scientific support and research – coordinated and continuous collaboration</p> <p>Identification of surface water bodies for the Ticino River and characterisation of the river system's quality status through the integration of multiple competences—one for each field of investigation—as required by the Water Framework Directive</p> <p>PI</p>

ORGANIZATION, MANAGEMENT AND COORDINATION OF NATIONAL AND INTERNATIONAL RESEARCH GROUPS, OR PARTICIPATION THEREIN

ORGANIZZAZIONE, DIREZIONE e COORDINATION

From 2009 to 2018 (9 years), Dr Bolpagni coordinated the Working Group “Macrophytes & Environment” of the Italian Society of Ecology (SIte), later “Ecological bases of biomonitoring”, aimed at supporting a network of researchers and research teams at national and international scale interested in the conservation and valorisation of aquatic plants and hydro-hygrophilous plant communities and their monitoring (with broad applied outcomes, e.g., CNR reports aimed at implementing the Water Framework Directive at national scale).

Since 2015, Dr Bolpagni has been among the experts of the following scientific Working Groups at international scale:

- 1) Member of the expert panel of the European Commission “Natura 2000 Biogeographic Process” for the Continental biogeographical region, for the habitats “Wetlands, Rivers and Lakes” and the theme “freshwater habitats” (upon invitation by the Emilia-Romagna Region and ISPRA/MATTM) (pan-European);
- 2) Expert member of COST ACTION CA15113 “SMIRES” (pan-European);
- 3) Expert member of COST ACTION CA18201 “ConservePlants” (pan-European);
- 4) Expert member of the SystemLink initiative of the University of Koblenz-Landau (DE).

Since 2015, Dr Bolpagni has participated in various scientific Working Groups at national scale:

- 1) **Working Group of the Italian Society of Vegetation Science (SISV) for drafting monitoring sheets for aquatic habitats of Community interest, on behalf of ISPRA and the Ministry for the Environment and Protection of Land and Sea;**
- 2) **SISV Working Group for assessing the impacts of invasive alien species on habitats of Community interest;**
- 3) **SISV Working Group for updating knowledge on the implementation status of the Habitats Directive at national scale;**
- 4) **Working Group of the Italian Botanical Society (SBI) for updating knowledge on alien vascular plant species in the flora of Italy.**

ORGANIZATION/PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC CONFERENCES

Contributions ORGANIZATION

- **MEMBER OF THE SCIENTIFIC COMMITTEE OF THE IAPG 2025 CONGRESS “INTERNATIONAL SYMPOSIUM ON AQUATIC PLANTS” (LISBON, 15–19/09/2025; [HTTPS://CONGRESSOS.MUNDICONVENIUS.PT/GERAL/PAGINAS.ASPX?COD=205](https://congressos.mundiconvenius.pt/geral/paginas.aspx?cod=205)); <https://congressos.mundiconvenius.pt/geral/paginas.aspx?cod=205>**
- **CONVENER** [in 4 convegni internazionali (ASLO2021, EEF/SItE2015, SIL2016; IAPG 2025) e 3 convegni nazionali, SItE2017 e 2018, SISV2019];
- **SESSION CHAIR AT A NATIONAL CONFERENCE (GADIO2010).**

ORAL PRESENTATIONS

- **INVITATED SPEAKER: 7 congressi/meeting internazionali (6), nazionali (1)**
- **RELATORE a 17 congressi/meeting internazionali (tra 2003 e 2021)**
- **RELATORE a 31 congressi/eventi scientifici nazionali (tra 2003 e 2019)**

POSTERS

Dr Bolpagni presented and/or co-authored more than 25 posters at international and national conferences.

AWARDS AND RECOGNITIONS

- 2002 **Prize as young researcher during the Workshop “Mountain wetlands in Italy: research and management experiences”, Parma 27–29 June 2002; for the presentation: “Indexing the geobotanical value of wetlands in the northern Apennines”.**

- 2004 Special Mention of the Marchetti Prize 2004 during the 14th National Congress of the Italian Society of Ecology: Conservation and Management of Ecosystems, held in Siena from 4 to 6 October 2004, as a young non-tenured researcher, for the presentation “Seasonal variations of benthic oxygen and nutrient fluxes in a peri-fluvial backwater dominated by *Trapa natans* L.”.**

OTHER SCIENTIFIC QUALIFICATIONS

Dr Bolpagni was deemed eligible (overall score: 76.2) in the public competition (Call code 368.24 Ric. Strategic Area Natural Resources and Ecosystems) for the selection of research staff at the National Research Council (CNR) (2016).

PUBLICATIONS

Dr Bolpagni is the author/co-author of:

- **96 papers in international ISI journals**
29 first-author papers
31 corresponding-author papers
12 last-author papers
4 single-author papers
- **12 papers in non-ISI international journals**
- **3 international book chapters with peer review**
- **17 papers in Italian journals**
- 3 CNR reports**

International ISI peer-reviewed journals (SCOPUS database)

[highlighted in grey when first author, corresponding author (*), sole author and/or last author]

- 2026** 100. Lobato-de Magalhães, T., Murphy, K.J., [...], **Bolpagni R.**, [...], Alahuhta J. 2026. Fine-scale patterns and drivers of ploidy state in lentic and lotic macrophyte assemblages across the world. *Aquatic Botany*, 202, art. no. 103943. DOI: 10.1016/j.aquabot.2025.103943
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- 2025** 99. Dalla Vecchia, A., **Bolpagni, R.**, Laini, A., Nizzoli, D., Bresciani, M., Azzella, M.M., Wilkes, M.A. 2025. Spatial relationships between macrophyte assemblages, water and sediment features in deep lakes. *Frontiers in Environmental Science*, 13, art. no. 1614281 DOI: 10.3389/fenvs.2025.1614281
98. Saccò, M., Elmasri, A., [...], **Bolpagni R.**, [...], Guzik, M.T. 2025. Advancing subterranean conservation through Global Research on eDNA in Groundwaters (GReG), *Subterranean Biology*, 53, pp. 31 – 40. DOI: 10.3897/subtbiol.53.165710
97. Chelli, S., Bricca, A., [...], **Bolpagni R.**, [...], Puglielli, G. 2025. ITV-net: a dataset of intraspecific leaf traits data across major Italian habitats. *Plant Biosystems*, in press. DOI: 10.1080/11263504.2025.2531885
96. Dalla Vecchia A., Adamec L., **Bolpagni R.** 2025. Aquatic carnivorous plants fill gaps in the functional niches of macrophytes: Intra-species variability and group strategies. *Perspectives in Plant Ecology, Evolution and Systematics*, 67, 125871. DOI: 10.1016/j.ppees.2025.125871
95. Cannucci S., Fanfarillo E., Maccherini S., **Bolpagni R.**, Bonari G., de Simone L., Fiaschi T., Mascia F., Pafumi E., Angiolini C. 2025. Mediterranean farmland ponds as unique habitats for plant diversity across different pondscapes. *Hydrobiologia*, in press. DOI: 10.1007/s10750-025-05884-4
94. Villa P., Berton A., **Bolpagni R.**, Caccia M., Castellani M.B., Dalla Vecchia A., Gallivanone F., Lastrucci L., Piasser E., Coppi A. 2025. Exploring spectral and phylogenetic diversity links with functional structure of aquatic plant communities. *Remote Sensing of Environment*, 318, 114582. DOI: 10.1016/j.rse.2024.114582
93. Dalle Fratte M., **Bolpagni R.**, Pierce S., Cerabolini B.E.L. 2025. Functional ecology of plant communities as a guide for vegetation management. *Flora*, 323, 152627. DOI: 10.1016/j.flora.2024.152627
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7. Giardino C., Bresciani M., **Bolpagni R.**, Matta E., Braga F. 2012. Changes in submerged macrophyte communities in southern Lake Garda in the last 14-years. *International Geoscience and Remote Sensing Symposium (IGARSS)*, art. no. 6351936, pp. 7333-7336. DOI: 10.1109/IGARSS.2012.6351936
6. Bresciani M., **Bolpagni R.**, Braga F., Oggioni A., Giardino C. 2012. Retrospective assessment of macrophytic communities in southern Lake Garda (Italy) from in situ and MIVIS (Multispectral Infrared and Visible Imaging Spectrometer) data. *Journal of Limnology*, 71(1): 180-190. DOI: 10.3274/JL12-71-1-05
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- 2011**
5. Bresciani M., Giardino C., Bartoli M., Tavernini S., **Bolpagni R.**, Nizzoli D. 2011. Recognizing harmful algal bloom based on remote sensing reflectance band ratio. *Journal of Applied Remote Sensing*, 5 (1), art. no. 053556. DOI: 10.1117/1.3630218
4. Bresciani M., Sotgia C., Fila G.L., Musanti M., **Bolpagni R.** 2011. Assessing common reed bed health and management strategies in Lake Garda (Italy) by means of Leaf Area Index measurements. *Italian Journal of Remote Sensing / Rivista Italiana di Telerilevamento*, 43 (2), pp. 9-22. DOI: 10.5721/ItJRS20114321
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- 2010**
3. Pierobon E., **Bolpagni R.**, Bartoli M., P. Viaroli. 2010. Net primary production and seasonal CO₂ and CH₄ fluxes in a *Trapa natans* L. meadow. *Journal of Limnology* 69: 225-234. DOI: 10.3274/JL10-69-2-05
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- 2007**
2. **Bolpagni R.**, Pierobon E., Longhi D., Nizzoli D., Bartoli M., Tomaselli M., P. Viaroli, 2007. Diurnal exchanges of CO₂ and CH₄ across the water-atmosphere interface in a water chestnut meadow (*Trapa natans* L.). *Aquatic Botany* 87, 43-48. DOI: 10.1016/j.aquabot.2007.02.002
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- 2004**
1. Torelli A., Borinato M., Soragni E., **Bolpagni R.**, Bottura C., Branca C. 2004. The delay in hormonal treatment modulates the expression of LESK1, a gene encoding a putative serine-threonine kinase, marker of in vitro caulogenesis in tomato (*Lycopersicon esculentum* Mill.). *Plant Science*, 167(3), 607-620. DOI: 10.1016/j.plantsci.2004.05.007
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International peer-reviewed journals (non-ISI)

- 2022**
12. Ravera et al. 2022. Notulae To the Italian flora of algae, bryophytes, fungi and lichens: 14, 61-80. DOI: 10.3897/ITALIANBOTANIST.14.95956
11. Galasso et al. 2022. Notulae To the Italian alien vascular flora: 13. *Italian Botanist*, 13, 27-44. DOI: 10.3897/italianbotanist.13.85863
- 2021**
10. Caldarella, O., Lastrucci, L., **Bolpagni, R.**, Gianguzzi, L. 2021. Contribution to the knowledge of Mediterranean wetland vegetation: Lemnatea and Potamogetonetea classes in Western Sicily. *Plant Sociology*, 58(1), 107-131. DOI: 10.3897/pls2020581/06
9. Bonari G., Fantinato E., Lazzaro L., Sperandii M.G., Acosta A.T.R., Allegrezza M., Assini S., Caccianiga M., Di Cecco V., Frattaroli A., Gigante D., Riviaccio G., Tesi G., Valle B., Viciani D., Rocchetti G.A., Angiolini C., Badalamenti E., Barberis D., Barcella M., Bazan G., Bertacchi A., **Bolpagni R.**, Bonini F., Bricca A., Buffa G., Calbi M., Cannucci S., Pinna L.C., Caria M.C., Carli E., Cascone S., Casti M., Cerabolini B.E.L., Copiz R., Cutini M., de Simone L., de Toma A., Fratte M.D., Di Martino L., Di Pietro R., Filesi L., Foggi B., Fortini P., Gennaio R., Gheza G., Lonati M., Mainetti A., Malavasi M., Marcenò C., Micheli C., Minuzzo C., Mugnai M., Musarella C.M., Napoleone F., Nota G., Piga G., Pittarello M., Pozzi I., Praleskouskaya S., Rota F., Santini G., Sarmati S., Selvaggi A., Spampinato G., Stinca A., Tozzi F.P., Venanzoni R., Villani M., Zanatta K., Zanzottera M., Bagella S. 2021. Shedding light on typical species: Implications for habitat monitoring. *Plant Sociology*, 58(1), 157-166. DOI: 10.3897/pls2020581/08
8. Bartolucci et al. 2021. Notulae To the Italian Native Vascular Flora: 12. *Italian Botanist*, 12, 85-103. DOI: 10.3897/ITALIANBOTANIST.12.78038
7. Bartolucci et al. 2021. Notulae To the Italian Native Vascular Flora: 11. *Italian Botanist*, 11, 77-92. DOI: 10.3897/ITALIANBOTANIST.11.68048
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- 2020**
6. Gianguzzi, L., Bagella, S., Bazan, G., Caria, M.C., Cerabolini, B.E.L., Vecchia, A.D., Riviaccio, G., **Bolpagni, R.** 2020. New national and regional Annex I Habitat records: From #13 to #15. *Plant Sociology*, 57 (1), 65-74. DOI: 10.3897/PLS2020571/07
5. Viciani, D., Vidali, M., Gigante, D., Bolpagni, R., et al. 2020. A first checklist of the alien-dominated vegetation in Italy. *Plant Sociology*, 57 (1), 29-54. DOI: 10.3897/PLS2020571/04
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- 2019**
4. Bartolucci et al. 2019. Notulae To the Italian Native Vascular Flora: 7. *Italian Botanist*, 7, 125-148. DOI: 10.3897/italianbotanist.7.36148
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- 2016** 3. Gigante D., Attorre F., Venanzoni R., Acosta A.T.R., Agrillo E., Aleffi M., ...**Bolpagni R.**, ..., Zitti, S. 2016. A methodological protocol for annex I habitats monitoring: The contribution of vegetation science. *Plant Sociology*, 53(2), 77-87. DOI: 10.7338/pls2016532/06.
- 2006** 2. **Bolpagni R.***, Bartoli M., Viaroli P. 2006. Nitrogen and phosphorous cycling in an oxbow lake dominated by *Trapa natans* L. SIL 29 Proceedings, communication presented at the 2004 SIL Conference, Verh. Internat. Verein. Limnol. 29: 1981-1988. DOI: 10.1080/03680770.2006.11903036
1. Longhi D., **Bolpagni R.**, Nizzoli D., Bartoli M. 2006. Aerobic and anaerobic mineralisation of organic detritus of different macrophytes. SIL 29 Proceedings, communication presented at the 2004 SIL Conference, Verh. Internat. Verein. Limnol. 29: 1467-1476. DOI: 10.1080/03680770.2005.11902925
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International peer-reviewed book chapters

- 2019** Giardino G., Kóks K-L., **Bolpagni R.**, Luciani G., Candiani G., Lehmann M.K., Bresciani M. 2019. Analysis of water color from remote sensing in lakes". *Earth Observation and Geospatial Analyses*. IntechOpen Publishers. DOI: 10.5772/intechopen.86596
- 2011** **Bolpagni R.**, Fanelli G., Oggioni A. & A. Testi. 2011. Macrophyte indicators of environmental quality of rivers in Italy at local, regional and geographical scales. Chapter 4 in: *Aquatic Plants and Plant Diseases*. ISBN 978-1-61324-380-0; Editor: Kandikere R. Sridhar, Nova Science Publishers, Inc. ISBN 978-1-61324-380-0
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Italian peer-reviewed journals

- 2014** • **Bolpagni R.**, Paduano L., 2014. Tendenze evolutive della vegetazione annuale dei depositi fluviali in Italia settentrionale: ruolo delle specie alloctone e prime evidenze sugli effetti locali del global change. *Biologia Ambientale*, 28: 49-58.
- 2011** • **Bolpagni R.**, Scotti A., Viaroli P. 2011. Composizione e struttura delle comunità vegetali bentoniche in sistemi lacustri soggetti a regolazione artificiale del livello idrometrico. *Biologia Ambientale* 25(2): 47-54
- 2010** • **Bolpagni R.**, Spotorno C., Gualmini M., Gallani P., Moroni F., Farioli C., Puma F., Bodini A., Viaroli P., I. Ferrari. 2010. La gestione conservativa del fiume Po: valutazione dell'assetto ecologico e definizione di linee guida per la redazione del piano di monitoraggio ai sensi della Direttiva 2000/60/CE. *Biologia Ambientale* 24: 349-366.
- **Bolpagni R.**, M. Bartoli, 2010. Analisi della diversità floristica in ambienti acquatici marginali del fiume Oglio sub lacuale (Italia settentrionale): la componente macrofittica. In: Bottarini R., Schirpke U., Tappeiner U., Oggioni A., Bolpagni R. (eds.) *Macrofite & Ambiente*, Atti del XIX Congresso della Società Italiana di Ecologia "Dalle Vette Alpine alle Profondità Marine", Bolzano, 15-18 settembre 2009. Volume 3. Eurac book, Bolzano, pp. 59-80
- Oggioni A., **Bolpagni R.** 2010. Proposta metodologica per la determinazione del valore trofico di piante acquatiche di ambiente lacustre: primi passi verso la formalizzazione di un indice macrofittico. In: Bottarini R., Schirpke U., Tappeiner U., Oggioni A., Bolpagni R. (eds.) *Macrofite & Ambiente*, Atti del XIX Congresso della Società Italiana di Ecologia "Dalle Vette Alpine alle Profondità Marine", Bolzano, 15-18 settembre 2009. Volume 3. Eurac book, Bolzano, pp. 191-204.
- 2009** • **Bolpagni R.**, Moroni F., Bodini A., Viaroli P. & Puma F., 2009. Linee per la gestione conservativa integrata del fiume Po: potenzialità e criticità. Pubblicazione del Centro Studi sulle aree protette e gli ambienti fluviali.
- **Bolpagni R.**, Spotorno C., Gualmini M., Gallani P., Bodini A., Moroni F. & Ferrari I. 2009. Progetto di fattibilità' per la gestione conservativa del fiume Po: individuazione delle tipologie fluviali. *Studi Trent. Sci. Nat.* 86: 11-15.
- Oggioni A., Buzzi F., **Bolpagni R.** 2009. 4. Indici macrofittici per la valutazione della qualità ecologica dei laghi: MacroIMMI e MTIspecies. In: Marchetto, A., A. Boggero, M. Ciampittiello, G. Morabito, A. Oggioni & P. Volta (a cura di), *Indici per la valutazione della qualità ecologica dei laghi*. Report CNR-ISE, 02-09: 50-74.
- 2008** • **Bolpagni R.**, Longhi D., M. Bartoli. 2008. Analisi delle interazioni acqua-sedimento-macrofite in ambienti umidi perfluviali della Pianura Padana centrale. *Stud. Trent. Sci. Nat., Acta Biolo.*, 83(2007): 145-150.
- Longhi D., **Bolpagni R.**, M. Bartoli. 2008. Vulnerabilità di un ecosistema umido relitto rispetto a carichi inquinanti: evidenze da un'indagine pluriennale di parametri idrochimici, sedimenti e vegetazione acquatica. *Stud. Trent. Sci. Nat., Acta Biolo.*, 83(2007): 57-62.
- 2006** • **Bolpagni R.**, M. Bartoli. 2006. Variazioni stagionali dei flussi benthici di ossigeno e nutrienti in una lanca perfluviale dominata da *Trapa natans* L. Atti S.It.E. XIV Congresso della Società Italiana di Ecologia (4-6 Ottobre 2004, Siena).
- Tomaselli M., **Bolpagni R.**, Gualmini M., Petraglia A., Longhi D. 2006. Studio fitosociologico, cartografia della vegetazione ed analisi dello stato trofico delle acque della "Palude del Busatello" (Italia settentrionale). *Bollettino del Museo Civico di Storia Naturale di Verona*, 30 (2006) *Botanica Zoologia*: 3-37.
- **Bolpagni R.**, Roberti A., M. Tomaselli. 2006. La Paùl di Lemprato, un ambiente umido relitto nel territorio comunale di Idro (Valle Sabbia). *Natura Bresciana* 35 (2006): 63-78.
- Pierobon E., **Bolpagni R.**, Bartoli M. 2006. Produttività primaria di una comunità a *Trapa natans* L. in una lanca perfluviale di Po: integrazione tra stima di biomassa e flussi di CO₂. Atti S.It.E. XVI Congresso della Società Italiana di Ecologia (Viterbo/Civitavecchia, 2006).
- 2005** • **Bolpagni R.**, M. Tomaselli. 2005. Contributo alla conoscenza della flora idro-igrofila e della vegetazione acquatica del lago d'Idro (BS) *Informatore Botanico Italiano*, 37 (supplemento 1, parte 1).
- Petraglia A., Tomaselli M., Borghi M.L., Cavozi C., **Bolpagni R.**, 2005. Flora e vegetazione della Riserva Orientata della Parma Morta (Italia Settentrionale). *Acta Naturalia "de l'Ateneo Parmense"*, 41 (1/2): 5-34.
- **Bolpagni R.**, Bonomi C. & F. Tisi, 2005. Floristic and phytosociological analysis of a subalpine Norway spruce forest at Passo Lavazè (Trentino, NE Italy). *Stud. Trent. Sci. Nat., Acta Biolo.*, 81(2004), Suppl. 1: 43-57.
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- 2018** Azzella M., **Bolpagni R.** 2018. VL-MMI (Volcanic Lakes Multimetric Macrophyte Index). Un metodo per la valutazione della qualità ecologica dei laghi vulcanici a partire dalle macrofite. Report CNR ISE, 01.18: 9 pp.
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2013	Marchetto A., Lugliè A., Padedda B. M., Mariani M. M., Sechi N., Buzzi F., Oggioni A., Bolpagni R. , Agostinelli C., Alber R., Beghi A., Bracchi S., Carena E., Cavalieri S., Cimoli F., Costarossa S., Crescentini I., Della Bella V., Di Brizio M., Fioravanti M., Fogliati P., Formenti R., Galbiati M., Galimberti F., Macor A., Mancini L., Marcheggiani S., Marchi G., Musazzi S., Nicola A., Padula R., Pozzi S., Puccinelli C., Rinaldi E., Rustighi C., Testa P., Thaler B., Vendetti C., Zorza R., Rossaro B., Boggero A., Lencioni V., Marziali L., Volta P., Ciampittello M. 2013. Indici per la valutazione della qualità ecologica dei laghi. Report CNR ISE, 02-13: 195 pp.
2011	Marchetto A., Lugliè A., Padedda B. M., Mariani M. A., Sechi N., Salmasso N., Morabito G., Buzzi F., Simona M., Garibaldi L., Oggioni A., Bolpagni R. , Rossaro B., Boggero A., Lencioni V., Marziali L., Volta P., Ciampittello M. 2011. Indici per la valutazione della qualità ecologica dei laghi. Report CNR-ISE, 03-11: 154 pp.

Italian books/chapters/reports/manuals

2016	Various authors (including Bolpagni R.). 2016. Manuals for the monitoring of species and habitats of Community interest (Directive 92/43/EEC) in Italy: habitats. Manuals and Guidelines 142/2016. ISPRA MATTM.
2012	Nizzoli D., Longhi, D., Bolpagni R. , Azzoni R., Bondavalli C., Naldi M., Giordani G., Bartoli M., Bodini A., Rossetti G., Viaroli P. 2012. Ricerca limnologica sul Lago d'Idro per il recupero della qualità dell'acqua – Report finale. Università di Parma e Regione Lombardia Berzioli M., Bolpagni R. , Casoli A., Salvioli Mariani E., Tribaudino M., Vignali F. 2012 I MATERIALI DELLA MEMORIA: Degradamento e conservazione dei beni sepolcrali del cimitero monumentale della Villetta di Parma. 2012. Monte Università Parma Editore
2011	Berzioli M., Bolpagni R. , Casoli A., Salvioli Mariani E., Tribaudino M., Vignali F. 2011. Il cimitero monumentale della Villetta di Parma. Guida per la manutenzione dei beni sepolcrali. Monte Università Parma Editore
2009	Berzioli M., Bolpagni R. , Casoli A., Salvioli Mariani E., Tribaudino M., Vignali F. 2009. I sepolcri e gli archi del Cimitero Monumentale La Villetta di Parma: guida pratica di manutenzione e restauro. Comune di Parma.
2005	Cuizzi D., Casale F., Viaroli P., Bartoli M., Bolpagni R. , Longhi D., Tomaselli M., Fracasso G. 2005. Gestione delle zone umide e conservazione attiva degli habitat e delle specie di importanza comunitaria. I Quaderni della Riserva Naturale di Ostiglia.

RESEARCH COLLABORATIONS

During his research activity, Dr Bolpagni established numerous international and national collaborations, with the aim of broadening and enriching his knowledge and skills on aquatic plants and their relationships with the environment (main ones listed here).

INTERNATIONAL

- 1) NUPELIA (Núcleo de Pesquisas em Limnologia, Ictiologia e Aquicultura; Universidade Estadual de Maringá, Brazil) (contact: Prof. Sidinei M. Thomaz) for the study of functional traits of tropical macrophytes;
- 2) ELKH (Balaton Limnological Research Institute, Hungary) (contact: Dr V. Toth) for the study of the ecophysiology of lake macrophytes and the application of remote-sensing techniques to wetland and lake habitats (Villa et al., 2021, *Plant Methods* 17: 115);
- 3) Environmental-Physics group (University of Koblenz-Landau, DE) for the study of metabolism and functioning of inland aquatic habitats (contacts: Prof. A. Lorke, Dr C. Mendoza-Lera) (Ganglo et al. 2023 *STOTEN* 872: 161978);
- 4) Heinrich Heine University Düsseldorf / IGB Berlin (DE) for the study of invasive alien aquatic plants and functional traits of aquatic macrophytes (contact: Prof. A. Hussner) (Bolpagni et al., 2020 *Frontiers in Plant Science* 11: 1299);
- 5) NIVA (Norwegian Institute for Water Research), Oslo (NO) for the study of biological invasions (invasive alien macrophytes) and environmental drivers of isoetids (contact: Dr M. Mjelde) (see, for example, the conference paper “Aggressiveness of the nonnative macrophyte *Elodea canadensis* is closely associated with local environmental factors in European lakes”; Lombardi et al., 2014, presented at the 8th International Symposium on Shallow Lakes, Antalya, Turkey);

NATIONAL

- 6) CNR-IREA (Milan) within studies aimed at applying remote-sensing techniques to investigate aquatic habitats and macroscopic primary-producer communities (contacts: Dr C. Giardino, Dr M. Bresciani and Paolo Villa) (Villa et al., 2013, *Wetland Ecology & Management* 21: 399-416; Giardino et al., 2015, *Remote Sensing of Environment* 157: 48-57);
- 7) University of Bologna (Dept. of Biological, Geological and Environmental Sciences; contacts: Prof. A. Chiarucci, Prof. J. Nascimbene) for the study of floristic diversity of aquatic habitats, with particular reference to diversity components at national scale (Bolpagni et al., 2018 *Frontiers in Plant Science* 9, 116; Montanari et al., *Community Ecology* 21, 121-132);
- 8) University of Florence / SBI Central Herbarium (contacts: Prof. A. Coppi and Dr L. Lastrucci) within research activities on alien species in aquatic habitats and genetic diversity of macrophytes (Lazzaro et al., 2019 *Plant Biosystems* 153, 740-746; Lazzaro et al., 2020 *Journal of Environmental Management*, 274, 111140);

9) University of Insubria (Dept. of Biotechnology and Life Sciences; contact: Prof. B.E.L. Cerabolini) for the study of floristic and vegetation diversity of aquatic habitats, with particular reference to macrophytes and their functional traits (Bolpagni et al., 2017 Journal of Limnology 76(s1), 75-83);

10) University of Turin (Dept. of Biological, Geological and Environmental Sciences; contacts: Prof. S. Fenoglio, Dr A. Laini) for the study of river habitats, with particular reference to macrophyte and macrobenthic components (Bolpagni et al., 2017 Journal of Limnology 76(s1), 1-4);

11) ISPRA (Italian Institute for Environmental Protection and Research) and CNR ISE (Pallanza; now CNR IRSA) for drafting and calibrating methods to monitor the quality of water bodies under the Water Framework Directive (with reference to lentic water bodies and volcanic lakes) (contacts: Dr A. Marchetto, Dr L. Casella) [Azzella & Bolpagni, 2018. VL-MMI (Volcanic Lakes Multimetric Macrophyte Index). A method for assessing the ecological quality of volcanic lakes based on macrophytes. CNR ISE report, 01.18: 9 pp.];

EDITORIAL BOARD MEMBERSHIPS

	Dr Bolpagni is currently on the board of 5 (ISI) journals, serving as Associate Editor (2), Guest Associate Editor (1) and Review Editor (2).
2014 – in corso	Associate Editor for the international journal “Journal of Limnology” (topic: “Aquatic Botany”); as Editor-in-Chief, he oversaw a Special Issue entitled “Biomonitoring: Lessons from the past, challenges for the future”, summarising the works presented at the biomonitoring symposium held in Rome in September 2015 as part of the European Ecological Federation congress. Accepted and published papers are available online at: http://www.jlimnol.it/index.php/jlimnol/issue/view/57 .
2018-2020	Guest Associate Editor for the international journal “Frontiers in Plant Science”, within the organisation and management of the special issue “Multiple Roles of Alien Plants in Aquatic Ecosystems: from Processes to Modelling”.
2020 – in corso	Review Editor for the international journal “Frontiers in Conservation Science” (see https://www.frontiersin.org/journals/conservation-science/sections/plant-conservation#editorial-board) for the topic “Plant Conservation”
2020 – in corso	Review Editor per la rivista internazionale “ <i>Frontiers in Ecology and Evolution</i> ” (see https://www.frontiersin.org/journals/ecology-and-evolution/sections/conservation-and-restoration-ecology#editorial-board)
2021 – in corso	Associate Editor per la rivista internazionale “ <i>Aquatic Botany</i> ”
2025 – in corso	Associate Editor per la rivista internazionale “ <i>Limnology</i> ”

PEER-REVIEW ACTIVITY FOR INTERNATIONAL JOURNALS

Dr Bolpagni has reviewed articles for more than 40 international (ISI) scientific journals.

- The most relevant are: Nature Communications, Scientific Reports, STOTEN, Frontiers in Plant Science, Frontiers in Conservation Science, Freshwater Biology, Biogeosciences, PLOS ONE, Aquatic Conservation, Aquatic Botany, Aquatic Invasions, Environmental Science and Pollution Research, Hydrobiologia, Ecosphere, Journal of Limnology, Limnology, Community Ecology

SCIENTIFIC DISSEMINATION AND THIRD MISSION ACTIVITIES

Since 2008, Dr Bolpagni has pursued an intense dissemination activity of research topics among the general public and upper secondary schools (a total of 40 events).

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|-------------|---|
| 2024 | <ul style="list-style-type: none"> • Awareness-raising initiative promoted by the Network of Universities for Sustainable Development (RUS), now in its fifth edition. Organised by the University and the Italian Alpine Club, Borgo Val di Taro section, open to UNIPR staff and students (local audience) (28/09/2024). • Researchers' Night 2024: DIVE IN: a dive into aquatic macrophytes (regional audience) (27/09/24) |
| 2023 | <ul style="list-style-type: none"> • Discovering river aliens. Meeting and field excursion on the Parma River gravel bed in the city, within the InternoVerde festival (regional audience) (27/05/2023) • Natural water retention measures: reality or illusion? Public meeting at the Bedonia Seminary (PR) in collaboration with the AlteValli Biodistrict (local audience) (26/05/2023) |

- 2022**
- SOS-Biodiversity: meeting to present the CARIPARMA project. Public event at the University Botanical Garden in Parma (regional audience) (16/12/2022)
 - “The fantastic world of aquatic plants” – “Researchers@School” project at the Zani middle school in Fidenza (local audience) (22/11/2022; 24/11/2022)
 - Researchers’ Night 2022: The fantastic world of aquatic plants (regional audience) (30/09/22)
 - *Fascination of Plants Day 2022: The hidden fascination of plants – international day for scientific dissemination on plant biodiversity* (regional audience) (18/05/22)
 - Co-organisation of the INSOSTENIBILE Festival (5 June – 8 July 2022) – Lake Buono – Monte Arsone excursion (local audience) (18/06/2022)
 - Small lentic water bodies: opportunities and solutions to restore agro-ecosystems and adapt to climate change – within the Final Conference of the LIFE EREMITA project (national audience) (10/06/2022)
 - Monitoring Biodiversity and Functioning of the Po ecological corridor: challenges and perspectives – within EU GREEN WEEK – initiative “A BLUE WAY FOR BIODIVERSITY: The River Po restoration project”, organised by ADBPO (regional audience) (31/05/2022)
 - “Botanical Wonders: aquatic life in plants” within the University Botanical Garden of Parma’s lecture series “Wednesday... the garden speaks” (local audience) (18/05/2022)
 - “Why can’t I become a poet too? Ecology, Art and Work. A conversation between Giovanni Nicolini and Rossano Bolpagni” – public meeting within the “Leggere (h)a Peso” series – Ottotipi project funded by CARIPARMA (regional audience) (08/05/22)
 - Lesson “Trees & floodplains” – PCTO project 2021–22 “#LiceiMusei: Building citizenship, educating for legality”, Liceo Russell, Guastalla (regional audience) (04/04/2022)
 - Lesson “Introduction to Ecology” – 2022 training course for GELA (Legambiente Ecological Guides), Parma (local audience) (29/03/2022)
 - Lesson “Ecology of River Systems and Vegetation” – training course for Sport Fishing Guides, organised by BioDistretto Altevalli, Agriform and Aigupp (regional audience) (15/03/2022)
 - Lesson “Drinking water? Sustainability and ecosystems” – “Fuori Classe” initiative, Liceo Romagnosi (10/03/2022)
- 2021**
- Scienceground – Mantova Literature Festival, within activities aimed at discovering the aquatic habitats surrounding the city of Mantua; participation as an author (national audience) (13/09/2020)
 - Working table “Water Resources” organised by the MAB Apennine Tosco-Emiliano Reserve and the National Park Apennine Tosco-Emiliano – participation as a speaker: “Functional valorisation of peatland systems of the MAB Apennine Tosco-Emiliano Reserve” (national audience) (05/03/2021).
 - Webinar UNITO – public engagement project “Sostenibili Percorsi”: “Alien attack: how the arrival of non-native species is silently changing our rivers” – participation as a speaker: “Alien plants and our rivers” (regional audience) (23/02/2021).
 - LEGAMBIENTE webinar “Aironi del Po - PR” – public engagement project “La Compagnia delle Piante”; participation as a speaker: “Rise and decline of the myth of trees: towards a new ecological comeback?” (regional audience) (08/01/2021).
- 2020**
- CARIPLO Foundation webinar: data and monitoring quality – participation in the community-of-practice meeting involving all project partners funded by CARIPLO on environmental topics; participation as a speaker (regional audience) (22/10/2020)
 - Scienceground – Mantova Literature Festival: visit and itinerary to discover the aquatic habitats surrounding the city of Mantua; participation as an author (national audience) (13/09/2020).
 - Alte Valli Bio Festival – scientific dissemination conference organised by Consorzio Alte Valli to discuss critical issues related to the conservation of river habitats and the exploitation of fish resources, with particular reference to the Apennines between Emilia, Liguria and Tuscany; participation as a speaker (national audience) (23/08/2020).
 - A LIFE for the restoration of freshwater habitats of the Valli del Mincio, Castellaro Lagusello, Castiglione delle Stiviere – organised by the Mincio Park; contribution in the press (provincial audience) (30/07/2020).
 - UN SDG webinar and the environmental and conservation impacts on aquatic habitats – organised by free2change; participation as a speaker (regional audience) (19/04/2020).

- 2019**
 - Enciclopeday Primo Festival – participation as a speaker in the “L’ANGOLO ASCOLTO” series on various scientific topics with “Trees” (provincial audience) (14/09/2019).
 - Training course for Volunteer Ecological Guards, organised by the Mincio Park – participation as a speaker: “Flora, vegetation and habitats, and tools for characterisation and monitoring” (provincial audience) (22/06/2019).
 - Goal 2030: update on the ecological and environmental status of the Po River basin – scientific dissemination conference organised by Antica Corte Pallavicina/ADBPO; participation as a speaker: “River aliens: recent history of Po vegetation” (regional audience) (03/05/2019).
 - Experimental educational project – pathway for transversal skills and guidance (PCTO) – lecture cycle at the Attilio Bertolucci Scientific–Music–Sports High School, PR; participation as a speaker: “Ecological module” (local audience) (23/04/2019)
 - Meetings with experts to learn to observe and understand our territory, organised by the Mincio Park – participation as a speaker: “Flora and vegetation of the Valli del Mincio” (provincial audience) (02/02/2019).
 - 2018**
 - Marsh for the City – perspectives for the eco-functional restoration of Lake Varese: scientific dissemination conference organised within the Varese Landscape Festival; participation as a speaker (national audience) (25/09/2018)
 - 1st Po Festival 2018 – scientific dissemination conference organised by Antica Corte Pallavicina/ADBPO; participation as a speaker: “The good, the bad and the ugly: flora and vegetation of the great river” (regional audience) (14/04/2018)
 - “The role of riparian vegetation and its management” – conference “Discussion table for the sustainable management of water resources”, scientific dissemination conference of the LIFE project “LIFE13 NAT/IT/001129 – BARBIE” (national audience) (13/12/2018)
 - 2017**
 - “Nomenclatural investigations” – scientific dissemination meeting organised by the UNIPR Botanical Garden to highlight “The restoration of the Casapini Herbarium” (local audience) (25/08/2017)
 - “Census and definition of dynamic processes of lowland wetlands in Emilia-Romagna” – scientific dissemination conference “Implementation of the Habitats Directive in Emilia-Romagna 25 years after its approval: the conservation status of lowland wetlands” (regional audience) (24/05/2017).
 - 2016**
 - “Results of floristic-vegetation monitoring” – scientific dissemination meeting organised by the Mincio Park and CARIPO to highlight the project “Dalla Nebbia agli Irti Colli” (regional audience) (27/05/2016).
 - 2015**
 - “Environmental functionality of the Baganza stream” – World Water Day, outreach event organised by UNIPR – WWF – CIRF (provincial audience) (22/04/2015)
 - 2013**
 - “Flora and aquatic vegetation of the Po Valley: critical issues, prospects and opportunities for safeguarding” – 43rd Earth Day “Ecological issues in the Po basin”, outreach event organised by UNIPR – SitE – ADBPO (regional audience) (22/04/2013)
 - 2008**
 - “Plants and flowers of the Isola Giarola and Lancone Park” – outreach meeting organised by the Municipality of Villanova d’Arda (PC) (local audience) (05/04/2008)
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PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE	ITALIAN
OTHER LANGUAGES	INGLESE
<ul style="list-style-type: none"> • Reading skills • Writing skills • Speaking skills 	<p>Excellent</p> <p>Good</p> <p>Good</p>
SOCIAL SKILLS AND COMPETENCES	Excellent interpersonal skills (coordination and organisation of work) acquired through technical management activities of a significant number of research projects carried out on behalf of UNIPR with various bodies, including the Emilia-Romagna Region and the Po Basin Authority (AdBPo).
ORGANISATIONAL SKILLS AND COMPETENCES	Excellent organisational skills acquired—similarly to what is reported for relational skills—through activities of technical coordination of several research projects carried out on behalf of the Department of Environmental Sciences that required coordinating multiple technical competences (e.g., during the project “Project for the conservation management of the Po River – Assessment of the river’s ecological status”, on behalf of the Po Basin Authority).
TECHNICAL SKILLS AND COMPETENCES	During experimental activities and projects to which Dr Bolpagni actively contributed, he acquired specific skills in chemical-physical analysis techniques for water and sediments (spectrophotometry, gas chromatography, etc.) and in the identification of plant species—not only aquatic ones (vascular flora, macroalgae)—as well as basic skills for the analysis of genetic material (southern blotting, northern blotting, electrophoresis, DNA and RNA extraction). He also has an excellent knowledge of the use of the main operating systems, communication platforms, statistical packages (SynTax 2000, R) and image-analysis tools (QGIS).
DRIVING LICENCE	B U17763709K
Last updated: 10-01-2026	<p>I declare that what is stated herein is true pursuant to Articles 46 and 47 of DPR 445/2000; I authorise the processing of data pursuant to GDPR 2016/679 of 27 April 2016 (European regulation on the protection of natural persons with regard to the processing of personal data) and in compliance with Legislative Decree no. 33 of 14 March 2013 (as amended).</p> <p>(*) Pursuant to Art. 15, paragraph 1 of Law 12/11/2011, no. 183, certificates issued by public administrations regarding states, personal qualities and facts are valid and usable only in relations between private parties; in relations with public administration bodies and public service providers, certificates are always replaced by substitute declarations of certification or an affidavit pursuant to Articles 46 and 47 of DPR 445/2000.</p>