

SCIENTIFIC PUBLICATIONS

- ✓ Caneva, G., Bartoli, F., **Zappitelli, I.**, & Savo, V. (2020). **Street trees in Italian cities: story, biodiversity and integration within the urban environment.** *Rendiconti Lincei. Scienze Fisiche e Naturali*, 31(2), 411-417. (I.F. 1.6)
- ✓ Fares, S., Conte, A., Alivernini, A., Chianucci, F., Grotti, M., **Zappitelli, I.**, Petrella, F., & Corona, P. (2020). **Testing Removal of Carbon Dioxide, Ozone, and Atmospheric Particles by Urban Parks in Italy.** *Environmental Science & Technology*, 54(23), 14910-14922. (I.F. 9.3)
- ✓ Conte, A., **Zappitelli, I.**, Fusaro, L., Alivernini, A., Moretti, V., Sorgi, T., ... & Fares, S. (2022). **Significant Loss of Ecosystem Services by Environmental Changes in the Mediterranean Coastal Area.** *Forests*, 13(5), 689.
In this article, the first two names only follow the alphabetical list, as they both had an equal contribution as first names.
- ✓ M. Mircea, R. Borge, S. Finardi, S. Fares, G. Briganti, M. D'Isidoro, G. Cremona, F. Russo, A. Cappelletti, I. D'Elia, M. Adani, A. Piersanti, B. Sorrentino, D. de la Paz, J.M. de Andrés, A. Narros, C. Silibello, N. Pepe, **I. Zappitelli**, A. Alivernini, R. Prandi, G. Carlino. (2022). **Urban vegetation effects on meteorology and air quality: a comparison of three European cities.**
- ✓ **Zappitelli I.**, Alivernini A, Fares S. (2022). **Integration of vegetation inventories with data from satellites.** In "Vegetation for Urban Green Air Quality Plans". Bologna, University Press, 41-57.
- ✓ **Zappitelli, I.**, Conte, A., Alivernini, A., Finardi, S., & Fares, S. (2023). **Species-Specific Contribution to Atmospheric Carbon and Pollutant Removal: Case Studies in Two Italian Municipalities.** *Atmosphere*, 14(2), 285.
- ✓ Savo V., D'Amato L., Bartoli F., **Zappitelli I.**, Caneva G.. **Trees are not all the same: evaluation of main regulating, provisioning and supporting Ecosystem Services of Urban Street Trees.** *Ecosystem Services*.
- ✓ Concetta Cardillo, Antonella Del Signore, Edmondo Di Giuseppe, Arianna Di Paola, Antonio Gattone, Gianfranco Giulioni, Massimiliano Pasqui, Sara Quaresima, Marco Simonetti, **Ilaria Zappitelli**, and Piero Toscano (2024). **An assessment of fertilizer and pesticide transition to a sustainable use part of the ecowheatly project.**
- ✓ Savo, V., D'Amato, L., Bartoli, F., **Zappitelli, I.**, & Caneva, G. (2025). **Evaluation of main regulating, provisioning, and supporting ecosystem services of urban street trees: A literature review.** *Ecosystem Services*, 71, 101690.

CONFERENCE

- ✓ Savo V., D'Amato L., Bartoli F., **Zappitelli I.**, Caneva G. (2022). **Non tutti gli alberi sono uguali: una valutazione ecologica dei Servizi Ecosistemici di approvvigionamento, regolazione e supporto forniti dagli alberi delle strade urbane.** Gruppo di lavoro "Botaniche Applicate", Società Botanica Italiana (SBI). Roma, 9 Dicembre 2022.
- ✓ **Zappitelli I.**, Conte A., Alivernini A., Fares S. (2022). **Il ruolo del Verde Urbano e Periurbano nel sequestro dell'Ozono e del Particolato.** In: "Abstract Book", XIII Congresso Nazionale SISEF: Alberi, Foreste, Biodiversità, dal New Green Deal alla Farm to Fork Strategy. Orvieto (TR), 30-31 Maggio e 1-2 Giugno 2022, p. 127.

- ✓ Conte A., **Zappitelli I.**, Grotti M., Alivernini A., Moretti V., Sorgi T., Fares S. (2022). **The role of urban parks in carbon, ozone and PM sequestration.** In: "Poster Book", XIII Congresso Nazionale SISEF: Alberi, Foreste, Biodiversità, dal New Green Deal alla Farm to Fork Strategy. Orvieto (TR), 30-31 Maggio e 1-2 Giugno 2022, p. 13.
 - ✓ M. Mircea, R. Borge, S. Finardi, S. Fares, **I. Zappitelli**, A. Aliverni, G. Briganti, M. D'Isidoro, G. Cremona, F. Russo, A. Cappelletti, I. D'Elia, M. Adani, A. Piersanti, B. Sorrentino, D. de la Paz, J.M. de Andrés, A. Narros, C. Siliello, N. Pepe, R. Prandi, G. Carlino. (2022). **Vegetation for Urban Green Air Quality Plans (VEG-GAP), LIFE Project.** Layman's Report.
 - ✓ **Zappitelli I.** (2023) Species-Specific Contribution to Atmospheric Carbon and Pollutant Removal: Case Studies in Two Italian Municipalities. AIRFRESH DAY. CNEL (Rome)
 - ✓ **Zappitelli I.**, Fares S. (2022). **Organization of the event "Study of the impact of vegetation on meteorology and air quality and opportunities for urban planning" as part of the LIFE VEG-GAP Project.** Held on 20 April 2022, from 9:00 to 19:00, at Società Geografica Italiana (Rome).
- AND OTHERS...**

EDUCATION AND QUALIFICATIONS

<p style="text-align: right;"><i>November 2019 – January 2023</i></p> <p>Institution</p> <p>Main subject and abilities</p> <p>Qualification</p>	<p>CREA (Council for Research in Agriculture and the analysis of the agricultural economy) – Unitus (Università degli Studi della Tuscia) – CNR (National Research Council)</p> <p>PhD in "Science, Technology and Biotechnology for Sustainability" (XXXV cycle) Urban Forestry; Zotero; Mendeley; Urban Green; Ecosystem Services and Disservices; QGIS; Phytom; Remote Sensing and Maps; Pollution; Science Statistics; Excel; Office package; Soft Skills; R; AI and machine learning techniques; Earth observation; Bioeconomics; Data Computing; Creativity, Innovation & Entrepreneurship; Field sampling on the Castelporziano Estate; Use of field instruments for numerous measurements; Applied research for urban green design; Recognition of plant species; Management of outreach events for the VEGGAP project; Management of public relations with stakeholders of the VEG GAP project.</p> <p>PhD Researcher with scholarship. Thesis: "Study of Urban Green and Atmospheric Pollution Mitigation Capacities"</p>
<p style="text-align: right;"><i>June 2025</i></p> <p>Institution</p> <p>Main subject and abilities</p> <p>Qualification</p>	<p>ITINERIS</p> <p>Public scientific communication techniques; storytelling; scientific graphs for experts; graphs for non-experts; Presenting results and data to an audience of experts and non-experts; preparing scientific posters; presenting posters at conferences; preparing slides for conferences.</p> <p>Expert in Public scientific communication, oral and written (certificate with final exam)</p>
<p style="text-align: right;"><i>March 2024 – July 2024</i></p> <p>Institution</p> <p>Main subject and abilities</p> <p>Qualification</p>	<p>Cultural Heritage and Activities School Foundation</p> <p>"Beyond the Garden, accruing skills." Executive Course.</p> <p>Acquire technical-scientific and transversal knowledge and skills that can support the approach in the care and management of historic parks and gardens; Applied management of species in parks</p> <p>Badge, certificate with final exam</p>
<p style="text-align: right;"><i>July 2021</i></p> <p>Institution</p> <p>Main subject and abilities</p> <p>Qualification</p>	<p>EFI (European Forest Institute)</p> <p>The Young Leadership Programme</p> <p>(Mediterranean forest-based bioeconomy; Innovation and Entrepreneurship in Mediterranean forest; Nature-based solution for cities; Collaborative leadership; Communication skills; gender perspectives; Scenario-building techniques)</p> <p>Certificate with final exam</p>
<p style="text-align: right;"><i>May 2021 - June 2021</i></p> <p>Institution</p> <p>Main subject and abilities</p> <p>Qualification</p>	<p>SISSA (International School of Advanced Studies in Trieste)</p> <p>Scientific Journalism: Theory and Techniques of Dissemination</p> <p>(Information and disinformation on social networks; scientific controversial issues; roles and functions of science journalism; decision-making processes; uncertainty; disinformation dynamics)</p> <p>Certificate with final exam</p>
<p style="text-align: right;"><i>June 2021</i></p> <p>Institution</p> <p>Main subject and abilities</p> <p>Qualification</p>	<p>ISS (Istituto Superiore di Sanità)</p> <p>The safe administration of the SARS-CoV-2 / Covid-19 vaccine</p> <p>Operator for administration of the SARS-CoV-2 / Covid-19 vaccine with final exam.</p>
<p style="text-align: right;"><i>December 2020</i></p> <p>Institution</p> <p>Main subject and abilities</p> <p>Qualification</p>	<p>ONB (Ordine Nazionale dei Biologi)</p> <p>State exam, Professional Register Section A</p> <p>Qualification to professional practice – 49/50. Order number: AA_087518</p>

Institution	<i>December 2020</i>
Main subject and abilities	AGENAS (Agenzia Nazionale per I Servizi Sanitari) – E.C.M. credits
Qualification	Swabs for the diagnosis of Covid-19 in adults and children Operator for taking swabs with final exam.
Institution	<i>June 2020</i>
Main subject and abilities	AGROFAUNA
Qualification	<u>Using QGis</u> <u>Expert in QGis software</u>
Institution	<i>October 2018</i>
Main subject and abilities	DP&M Marketing, Sales strategies.
Institution	<i>January – July 2018</i>
Main subject and abilities	Roma Tre University Science education, inclusion education, psychology, pedagogy, methods and techniques for environmental and naturalistic education, geology
Qualification	Teaching qualification (PeF24)
Institution	<i>December 2017</i>
Main subject and abilities	Roma Tre University– SMFN Faculty- Biology Department
Qualification	Legislative and safety aspects in hygiene and occupational medicine, good practice Evaluation of risks, role in training and information
Institution	<i>September 2015 – July 2018</i>
Main subject and abilities	Roma Tre University– SMFN Faculty- Biology Department Diversity of Green Species; Pharmacology 1 and 2, Pathology, Parasitology , Chemistry of polluting agents, Chemistry of natural substances, Animal Ecology, Plant Ecology, Ecosystems management, Pathology, Toxicology; Sicurlab; Etnobotanic, Etnozoology
Qualification	Master Degree in Biodiversity and Ecosystems Management - 110/110. Thesis: “Biodiversity analysis in street trees: ecological and functional evaluations about the species that are used”
Institution	<i>September 2010 – May 2015</i>
Main subject and abilities	Roma Tre University – SMFN Faculty – Biology Department Plant physiology, Microbiology, Molecular Biology, Anatomy, Uman Phisiology, Genetics, Ecology
Qualification	Bachelor Degree in Biology – 95/100. Thesis: “Ethylene and Giasmonate: interaction in wound stress responses in plants”
Institution	<i>2004 – 2009</i>
Main subject and abilities	Technical Institute for Social Activities “S. Pertini” – Environmental and chemistry curriculum. Instrumental chemistry for laboratories, Environmental laws and regulations, Chemical control lab, Microbiology lab, Food control lab, Organic chemistry, Spectrophotometric and microscopy equipment; Management and analysis of environmental matrices in the field and in the laboratory.
Qualification	Diploma of Industrial Technical Education – Environmental monitoring and control technician - 100/100 cum Laude
Institution	<i>April 2013 – May 2017</i>
Main subject and abilities	Your Trainers Group: Education and Marketing Your Magister course: public speaking; advanced memorization techniques, fast reading, time and study management, relaxation and concentration techniques, mind-maps, attitude and motivation, creativity, problem solving, brainstorming, sales and marketing techniques, Leadership, communication
Qualification	Contributor

WORK EXPERIENCE

Company	<i>June 2025 – Present</i>
Business Area	Unitelma – Università degli Studi La Sapienza
Main roles and responsibilities	Radio Radio speaker: popularization of science topics, trivia and science news
Company	<i>September 2024 – Present</i>
Business Area	Edizioni La Serra
Main roles and responsibilities	Writer of popular science essays and books Writer
Company	<i>February 2024 – Present</i>
Business Area	GEOPOP - Ciaopeople
Main roles and responsibilities	Journalist and Freelance Science Disclosure Editor Writing science popularization articles for online magazines and video for social; Reviewer of scientific articles written by other experts.

Company Business Area Main roles and responsibilities	<p><i>July 2024 – Present</i> CNR (National Research Council) Research Fellow in Forestry Science, Green Policies, <u>Maps and Remote Sensing for Green Cities, QGIS, Wheat production, Drought-stress</u> Impact of climate change on vegetation and wheat crops, urban green, economics, bioeconomy, and scientific popularization, dissemination, maintenance of the project website, maintenance of the dissemination of the project themes, publication of informative articles on the topic.</p>
Company Business Area Main roles and responsibilities	<p><i>September 2023 – September 2024</i> BEeAGRO - Arboriculture and Green Design studio Urban green control operator in Rome by arrangement dl Municipality of Rome Capital. Landscaping assessment, tree row replacement, species assessment, reporting and census.</p>
Company Business Area Main roles and responsibilities	<p><i>July 2023 – July 2024</i> CNR (National Research Council) Research Fellow in Forestry Science Impact of climate change on vegetation; Python; <u>QGIS, Remote Sensing, Maps, Satellites</u>, AIRTREE model, dissemination, management of outreach events for the project.</p>
Company Business Area Main roles and responsibilities	<p><i>April 2022 – September 2022</i> ARGANS (Biot – France) Urban Forestry Science <u>Urban green management and planning using satellites. Remote Sensing. Use of GIS maps and planning, use of models to estimate the impact of urban green in European cities. Climate change and Ecosystem Services. Earth observation.</u></p>
Company Main roles and responsibilities	<p><i>May 2023 – July 2023</i> Camplus College Teaching the Course “University and Interculture” with foreign students. Subjects taught ecology, biology, cytology, histology, anatomy, comparative anatomy.</p>
Company Business Area Main roles and responsibilities	<p>January 2020 – December 2023 Journal “iForest - Biogeosciences and Forestry” Peer review Reviewer of scientific papers</p>
Company Business Area Main roles and responsibilities	<p><i>October 2018 - February 2024</i> La Medicina in uno Scatto (LMIUS) - B Come Biotecnologi - 06Scienza Science journalism and divulgation Writing of medical and scientific articles on important social sites and groups, managing of Social Media with stories and post. Instagram Lives on Covid and Vaccine. Workshop at medical school on Covid vaccine management. Popularization of scientific awareness for young and old people through events and articles. Interactive “Science in the kitchen” labs and workshops for children and adults at the international invention fair “Maker Faire”. Teacher for seminars on COVID-19 for the faculties of medicine and surgery.</p>
Company Business Area Main roles and responsibilities	<p><i>May 2017 – July 2018</i> Roma Tre University – Biology Department Laboratories Scholarship and Collaborator in the laboratories lessons with the Professor; Laboratories Coordination; Teaching activities; Scientific activities at the Botanical Garden of Rome on Fitodepuratore: evaluation of plants state and chemical water analysis.</p>
Company Business Area Main roles and responsibilities	<p><i>May 2016</i> Roma Tre University – Biology Department Field Research in Animal and Plant Ecology Stage in field researcher at Allumiere (Monti della Tolfa), area control, species marking, plant sampling, animal sampling (tritons, salamanders, birds, lizards, snakes, insect).</p>
Company Business Area Main roles and responsibilities	<p><i>Summer 2015 & Summer 2016</i> LIFE European Project MIPP Field Research in Animal Ecology Field researcher at Abruzzo, Molise and Lazio National Park and at Foreste Casentinesi Park. Rare species capture and marking, area control, junior assistant guidance.</p>

SKILLS

MOTHER TONGUE OTHER LANGUAGES

Italian
English
FCE Certification (B2) and PET Certification (B1) Cambridge University – ESOL Examinations.

	<p>BULATS certification CAE (C1) at Wall Street English School. Upper-Intermediate Certification C1 (Roehampton University, London) with two study stay.</p>		
	<table border="0"> <tr> <td>Portuguese First level (A)</td> <td>French Good level of reading comprehension and listening, conversation to be re-exercised</td> </tr> </table>	Portuguese First level (A)	French Good level of reading comprehension and listening, conversation to be re-exercised
Portuguese First level (A)	French Good level of reading comprehension and listening, conversation to be re-exercised		
INTERPERSONAL SKILLS	<p>Good team work and communication abilities even outside the working framework. Excellent abilities in public speaking, public dissemination and teaching. Skills acquired through events with elementary and middle schools groups (I.E.: role play, teaching, lab meetings).</p> <p>Usually ENFJ-T.</p>		
ORGANIZATION SKILLS	<p>Able to plan and organise own work. Able to detect issues, plan strategies and develop creative solutions. Good analytical skills.</p>		
TECHNICAL SKILLS	<p>Scientific papers writing (courses attended, with exam at Roma Tre University). Able to use all the equipment of chemical and microbiological laboratories. ECDL (European Computer Driving Licence). Expert in all Office package. Good at AutoCad (Training at Liceo G. Manzù di Campobasso). Writing course for scientific articles and presentation construction for conferences at Roma Tre University. Use of Zotero, Mendeley and others.</p>		
DRIVING LICENSE	B		
FURTHER INFORMATION	<p>Volunteer teacher of Ecology and Ecosystems Management at Istituto Comprensivo "Corrado Melone", Ladispoli (RM). Teacher for seminars on COVID-19 for the faculties of medicine and surgery. Invited as a Botanic and Zoology expert at various Elementary and Medium schools in Rome and Campobasso. Guide to the Botanical Garden in Rome. Attended seminars about: environment protection, psychology, molecular biology, geology; Vaccine Hesitancy Forum Covid-19. Attendance to the 2018 World Forum of Urban Forests (WFUF), in Mantua. Continuous learning at Your Trainers Group, as "Practice your creativity", "Body language", "Public Speaking", "Problem Solving", "Face choices, decisions and change", "One – Personal growth". Multi-year practitioner at "S.P.A.S." (Scuola Propedeutica di Arti Sceniche – Propaedeutic school of scenic arts), "Gocce di arte" theatre performances, "Evasione Teatrale" impro theatre. Appearance in several short films. Five years volunteering at "Banco Alimentare Onlus". Various interests: nature, botany, medicine, pathology, photography, museums, art exhibitions of any kind, visiting places of artistic and architectural interest, film festivals, traveling and studying other peoples' cultures, reading, Improv Theatre, Theatre, attending conferences and seminars about science, singing, harp, Handpan player, reading, Gamer, Nerd, writing scripts for comic books, writing a book on photography on western film sets. Sports: pilates, cross-country skiing, fencing, aerobics, trekking, yoga, belly dancing, way of St. James and Italy.</p>		