



## PERSONAL INFORMATION

Name	<b>OLGA GAVRICHKOVA</b>
Address	<b>CNR-IRET VIA MARCONI 2, PORANO (TR) - 05010</b>
SCOPUS links	<a href="https://www.scopus.com/authid/detail.uri?authorId=24779234800">https://www.scopus.com/authid/detail.uri?authorId=24779234800</a>
Other link	<a href="https://scholar.google.it/citations?user=hqE_gB8AAAAJ&amp;hl=en&amp;oi=ao">https://scholar.google.it/citations?user=hqE_gB8AAAAJ&amp;hl=en&amp;oi=ao</a>

## WORK EXPERIENCE

- |  |   |
|--|---|
| <ul style="list-style-type: none"><li>• Dates (from - to)</li></ul>                    | January 2023 - today  |
| <ul style="list-style-type: none"><li>• Name and address of the employer</li></ul>     | National Research Council (CNR) – Institute of Research on Terrestrial Ecosystems (IRET), Porano, Italy       |
| <ul style="list-style-type: none"><li>• Occupation or position held</li></ul>          | <b>Senior Researcher</b>  |
| <ul style="list-style-type: none"><li>• Main activities and responsibilities</li></ul> | Programming and conduction of research, funds rising  |
| <ul style="list-style-type: none"><li>• Dates (from - to)</li></ul>                    | December 2016 – December 2022   |
| <ul style="list-style-type: none"><li>• Name and address of the employer</li></ul>     | National Research Council (CNR) – Institute of Research on Terrestrial Ecosystems (IRET), Porano, Italy       |
| <ul style="list-style-type: none"><li>• Occupation or position held</li></ul>          | <b>Researcher</b>   |
| <ul style="list-style-type: none"><li>• Main activities and responsibilities</li></ul> | Programming and conduction of research, funds rising  |
| <ul style="list-style-type: none"><li>• Dates (from - to)</li></ul>                    | August 2014 – Decembre 2016   |
| <ul style="list-style-type: none"><li>• Name and address of the employer</li></ul>     | National Research Council (CNR) – Institute of Research on Terrestrial Ecosystems (IRET), Porano, Italy       |
| <ul style="list-style-type: none"><li>• Occupation or position held</li></ul>          | <b>Post-Doctoral Fellow (Assegno di Ricerca)</b>  |
| <ul style="list-style-type: none"><li>• Main activities and responsibilities</li></ul> | Programming and conduction of research, funds rising  |
| <ul style="list-style-type: none"><li>• Dates (from - to)</li></ul>                    | March 2011 – July 2014  |
| <ul style="list-style-type: none"><li>• Name and address of the employer</li></ul>     | National Research Council (CNR) – Institute of Research on Terrestrial Ecosystems (IRET), Cinte Tesino, Italy |
| <ul style="list-style-type: none"><li>• Occupation or position held</li></ul>          | <b>Marie Curie Research Fellow (Co.Co.Co.)</b>  |
| <ul style="list-style-type: none"><li>• Main activities and responsibilities</li></ul> | Study of mechanisms of carbon allocation in plant-soil-atmosphere continuum                                   |
| <ul style="list-style-type: none"><li>• Dates (from - to)</li></ul>                    | March 2009 – February 2011  |
| <ul style="list-style-type: none"><li>• Name and address of the employer</li></ul>     | National Research Council (CNR) – Institute of Research on Terrestrial Ecosystems (IRET), Porano, Italy       |
| <ul style="list-style-type: none"><li>• Occupation or position held</li></ul>          | <b>Post-Doctoral Fellow (Assegno di Ricerca)</b>  |
| <ul style="list-style-type: none"><li>• Main activities and responsibilities</li></ul> | Programming and conduction of research, funds rising  |

## EDUCATION AND TRAINING

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• Dates (from - to)</li> <li>• Name and type of organisation providing education and training</li> <li>• Principal subjects/occupational skills covered</li> <li>• Title of qualification awarded</li> </ul> | <p>2005-2009</p> <p>University of Tuscia, Viterbo, Italy</p> <p>Carbon balance in grassland ecosystems</p> <p><b>PhD degree in Forest Ecology</b></p> |
| <ul style="list-style-type: none"> <li>• Dates (from - to)</li> <li>• Name and type of organisation providing education and training</li> <li>• Principal subjects/occupational skills covered</li> <li>• Title of qualification awarded</li> </ul> | <p>2000 - 2005</p> <p>Krasnoyarsk State University, Krasnoyarsk, Russia</p> <p>Plant ecophysiology</p> <p><b>Graduate in Biology</b></p>              |
| <ul style="list-style-type: none"> <li>• Dates (from - to)</li> <li>• Name and type of organisation providing education and training</li> <li>• Principal subjects/occupational skills covered</li> <li>• Title of qualification awarded</li> </ul> | <p>1992 - 1998</p> <p>State Music School</p> <p><b>Degree in Domra</b></p>  |

## SCIENTIFIC SKILLS AND COMPETENCES

*Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.*

- Research interests (5 Key words): Plant-Soil Coupling, C cycle, Management, Stress Physiology, Global Changes
- Participant at various titles (participant, project and unit coordinator) to more than 20 national and international projects during the proper career
- Two awards for best oral presentation among young researchers
- Award for best poster presentation
- Lecturer in international schools for PhD student and young scientists
- Supervision of student in Master thesis conduction
- Scientific responsible of Brocon eddy covariance site
- Award of 4 short-term exchange grants with top scientific institutions worldwide
- Guest Editor in Special Issues and review activity in numerous scientific journals
- Paper ranked as top 25 cited article published since January 2009 according to Web of Science® in Global Change Biology (IF 10.8)
- Organization and conduction of remote field campaigns from Arctic to South Africa

## RELEVANT ROLES AND COMPETENCES

*Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.*

- PI of PRIN 2022 PNRR Project "CAROLINA"
- Co-PI of PRIN 2022 Project "BIOMASTER"
- Participant to National Biodiversity Future Center, Activity 4.2
- Unit leader in Arctic Passion H2020 project
- Coordinator of GrazeAct project funded by SIOS (Norway)
- National strategic project NEXTADATA, scientific responsible of one of the sites
- Flagship Project "RITMARE "Italian research of the sea", responsible of realization of Objective 2 and Objective 4
- National project PONA3\_00363 "High technology infrastructure for Integrated Climatic-Environmental monitoring", responsible of WP4.1
- Coordinator of COFUND Marie Curie incoming project "Photosynthesis as driver of CO2 efflux from soil: mechanisms and grade of coupling between two fluxes"
- IRET responsible for the CNR Strategic Area "Global Changes" 2018– current
- Member of DSSTA Working Group "Carbon Cycle" and SISEF Working Group
- Organizer of scientific conferences and workshops.

## PUBLICATION INDEXES (SCOPUS)

- NUMBER OF PUBLICATIONS: 37

- TOTAL NUMBER OF CITATIONS: 1327
- H-INDEX: 15

10 MOST RELEVANT  
PUBLICATIONS  
*In the last 10 years.*

1. Scartazza, A., Gavrichkova, O., Pini, R. and D'Acqui, L.P., 2023. Physically protected organic matter drives soil carbon sequestration potential of a managed grassland ecosystem in Italian Alps. *Geoderma Regional*, 34, p.e00686 IF 4.201
2. Sushko, S., Ovsepyan, L., Gavrichkova, O., Yevdokimov, I., Komarova, A., Zhuravleva, A., Blagodatsky, S., Kadulin, M. and Ivashchenko, K., 2023. Contribution of microbial activity and vegetation cover to the spatial distribution of soil respiration in mountains. *Frontiers in Microbiology*, 14, p.1165045. IF 6.06
3. Hoshika Y, Cotrozzi L, Gavrichkova O, Nali C, Pellegrini E, Scartazza A, Paoletti E. Functional responses of two Mediterranean pine species in an ozone Free-Air Controlled Exposure (FACE) experiment. *Tree Physiology*. 2023 May 20:tpad068. IF4.561
4. Gavrichkova, O., Pretto, G., Brugnoli, E., Chiti, T., Ivashchenko, K.V., Mattioni, M., Moscatelli, M.C., Scartazza, A. and Calfapietra, C., 2022. Consequences of grazing cessation for soil environment and vegetation in a subalpine grassland ecosystem. *Plants*, 11(16), p.2121. IF 4.658
5. KV. Ivashchenko, MV. Korneykova, OI. Sazonova, AA.Vetrova, AO. Ermakova, PI. Konstantinov, YL. Sotnikova, AS. Soshina, MN. Vasileva, VI. Vasenev, O. Gavrichkova (2022) Phylloplane biodiversity and activity in the city at different distances from the traffic pollution source. *Plants*. IF 3.935
6. O. Gavrichkova, R.A. Brykova, E. Brugnoli, C. Calfapietra, Z. Cheng, Y. Kuzyakov, D. Liberati, MC Moscatelli, E. Pallozzi, VI. Vasenev (2020). Secondary soil salinization in urban lawns: Microbial functioning, vegetation state, and implications for carbon balance. *Land Degradation & Development*, 31(17), pp.2591-2604, IF 4.977
7. E. D'Andrea, N. Rezaie, A. Battistelli, O. Gavrichkova, I. Kuhlmann, G. Matteucci, S. Moscatello, S. Proietti, A. Scartazza, S. Trumbore, J. Muhr (2019) Winter's bite: Beech trees survive complete defoliation due to spring late-frost damage by mobilizing old C reserves. *New Phytologist*, IF 7.29
8. O. Gavrichkova, A. Scartazza, G. Guidolotti, Y. Kuzyakov, L. Leonardi, M. Mattioni, J. Nawrocka, E. Pallozzi, M. Skwarek, M.Tomczyńska, C. Calfapietra (2019). When the Mediterranean becomes harsh: Heat pulses strongly affect C allocation in plant-soil-atmosphere continuum in *Eucalyptus camaldulensis*. *Environmental and Experimental Botany*, 162, pp.181-191. IF 3.71
9. G. Guidolotti, E. Pallozzi, O. Gavrichkova, A. Scartazza, M. Mattioni, F. Loreto, C. Calfapietra (2019) Emission of constitutive isoprene, induced monoterpenes, and other volatiles under high temperatures in *Eucalyptus camaldulensis*: A <sup>13</sup>C labelling study. *Plant, cell & environment*. IF 5.62
10. O. Gavrichkova, D. Liberati, G.de Dato, R.A. Jaoudé, E. Brugnoli, P. De Angelis, G. Guidolotti, J. Pausch, M. Spohn, J. Tian and Y. Kuzyakov (2018). Effects of rain shortage on carbon allocation, pools and fluxes in a Mediterranean shrub ecosystem—a <sup>13</sup> C labelling field study. *Science of The Total Environment*, 627: 1242-1252, doi: <https://doi.org/10.1016/j.scitotenv.2018.01.311>, IF 4.9

**According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV**

Porano, 19.09.2023

Signature