CV date: December 2021

PERSONAL DATA

First and Family Name: Tiziana Di Lorenzo
ID Number: AT 8833347 (Repubblica Italiana)
Institute: Research Institute on Terrestrial Ecosystems (IRET-CNR)
Address: Via Madonna del Piano 10, 50019 Sesto Fiorentino, Florence, Italy
Phone: +390555225918
Fax: +390555225920
email: tiziana.dilorenzo@cnr.it
orcid: orcid.org/0000-0002-3131-7049
Scopus Author ID: 25638408200

DEGREES

Ph.D in Groundwater Ecology, University of L'Aquila, Italy, 2007
M.A., Environmental Sciences, University of L'Aquila, Italy, 2001

CURRENT POSITION

Current position: permanent researcher at National Research Council of Italy (CNR) from 2011

AFFILIATIONS

- 2021 External collaborator at cE3c (Center for Ecology, Evolution and Environmental Changes), Tropical and Mediterranean Biodiversity – TMB, University of Lisbon (https://ce3c.ciencias.ulisboa.pt/team/TMB).
- 2021 Associate Research to "Emil Racovita" Institute of Speleology Romanian Academy Clinicilor 5 Cluj Napoca 400006, Romania

METRICS' OVERVIEW

Peer reviewed articles from 2009: 53
Number of first and last authorships: 29
Number of articles in Q1 journals: 26
Number of citations: 709
H-INDEX: 18 (SCOPUS)

PEER REVIEWED ARTICLES

1. Faraloni C., **Di Lorenzo T.**, Bonetti A., 2021. Impact of Light Stress on the Synthesis of Both Antioxidants Polyphenols and Carotenoids, as Fast Photoprotective Response in *Chlamydomonas reinhardtii*: New Prospective for Biotechnological Potential of This Microalga. Symmetry, 13, 2220. https://doi.org/10.3390/sym13112220
2. **Di Lorenzo T.**, Fiasca B., Di Cicco M., Cifoni M., Galassi D.M.P., 2021. Taxonomic and functional trait variation along a gradient of ammonium contamination in the hyporheic zone of a Mediterranean stream. Ecological Indicators, 132: 108268. https://doi.org/10.1016/j.ecolind.2021.108268
3. Iannella M., Fiasca B., **Di Lorenzo T.**, Di Cicco M., Biondi M., Mammola S., Galassi D.M.P., 2021. Getting the 'most out of the hotspot' for practical conservation of groundwater biodiversity. Global Ecology and Conservation, 31: e01844. https://doi.org/10.1016/j.gecco.2021.e01844
4. Wynne J.J., Howarth F.G., Mammola S., Ferreira R.L., Cardoso P., **Di Lorenzo** T., et al., 2021. A conservation roadmap for the subterranean biome. Conservation Letters, e12834, https://doi.org/10.1111/conl.12834.
5. Di Cicco M., **Di Lorenzo T.**, Fiasca B., Ruggieri F., Cimini A., Panella G., Benedetti E., Galassi D.M.P:, 2021. Effects of diclofenac on the swimming behavior and antioxidant enzyme activities of the freshwater interstitial crustacean *Bryocamptus pygmaeus* (Crustacea, Harpacticoida). Science of The Total Environment, 149461
6. Di Cicco M., **Di Lorenzo T.**, Iannella M., Vaccarelli I., Galassi D.M.P, Fiasca B., 2021. Linking Hydrogeology and Ecology in Karst Landscapes: The Response of Epigean and Obligate Groundwater Copepods (Crustacea: Copepoda). Water, 13, 2106. https://doi.org/10.3390/w13152106
7. **Di Lorenzo T.**, Cifoni M., Baratti M., Pieraccini G., Di Marzio W.D., Galassi D.M.P., 2021. Four scenarios of environmental risk of diclofenac in European groundwater ecosystems. Environmental Pollution, 287, 117315, https://doi.org/10.1016/j.envpol.2021.117315
8. Cifoni M., Boggero A., Diana Maria Paola Galassi, **Di Lorenzo T.**, 2021. An overview of studies on meiofaunal traits of the littoral zone of lakes. Water, 2021, 13(4), 473 (Q2). DOI: 10.3390/w13040473

9. Iannella M., Fiasca B., **Di Lorenzo T.**, Biondi M., Di Cicco M., Galassi D.M.P., 2021. Spatial distribution of stygobitic crustacean harpacticoids at the boundaries of groundwater habitat types in Europe. Scientific Reports, 10(1):19043, DOI: 10.1038/s41598-020-76018-0 (Q1)
10. **Di Lorenzo** T., Fiasca B., Di Cicco M., Galassi D.M.P., 2020. The impact of nitrate on the groundwater assemblages of European unconsolidated aquifers is likely less severe than expected. Environmental Science and Pollution Research, 28, 11518–11527 (Q2)
11. Iannella M., Fiasca B., **Di Lorenzo T.**, Biondi M., Di Cicco M., Galassi D.M.P., 2020. Jumping into the grids: mapping biodiversity hotspots in groundwater habitat types across Europe. Ecography, 47:1-13 (Q1). DOI: 10.1111/ecog.05323 (Q1)
12. Fattorini S., Fiasca B., **Di Lorenzo T.**, Di Cicco M., Galassi D.M.P., 2020. A new protocol for assessing the conservation priority of groundwater-dependent ecosystems. Aquatic Conservation: Marine and Freshwater Ecosystems, (Q1) DOI: 10.1002/aqc.3411
13. **Di Lorenzo T.**, Fiasca B., Di Camillo Tabilio A., Murolo A., Di Cicco M., Galassi D.M.P., 2020. The weighted Groundwater Health Index (wGHI) by Korbel and Hose (2017) in European groundwater bodies in nitrate vulnerable zones. Ecological Indicators, 116, 106525 (Q1). DOI: 10.1016/j.ecolind.2020.106525
14. Carlozzi P., **Di Lorenzo T.**, Ghanotakis D.F., Touloupakis E., 2020. Effects of pH, temperature and salinity on P3HB synthesis culturing the marine *Rhodovulum sulfidophilum* DSM-1374. Applied Microbiology and Biotechnology, 104(5):2007-2015 (Q2).
15. **Di Lorenzo T.**, 1, Hose G.C., Galassi D.M.P., 2020. Assessment of Different Contaminants in Freshwater: Origin, Fate and Ecological Impact. Water, 12: 1810 (Q2).
16. Strona G., Fattorini S., Fiasca B., **Di Lorenzo T.**, Di Cicco M., Lorenzetti W., Boccacci F., Galassi D.M.P., 2019. AQUALIFE Software: A New Tool for a Standardized Ecological Assessment of Groundwater Dependent Ecosystems. Water 2019, 11(12), 2574 (Q2). DOI: 10.3390/w11122574
17. **Di Lorenzo T.**, Murolo A., Fiasca B., Tabilio Di Camillo A., Di Cicco M., Galassi D.M.P., 2019. Potential of A Trait-Based Approach in the Characterization of An N-Contaminated Alluvial Aquifer. Water 11, 2553 (Q2).
18. Piccini L., **Di Lorenzo T.**, Costagliola P., Galassi D.M.P., 2019. Marble Slurry's Impact on Groundwater: The Case Study of the Apuan Alps Karst Aquifers. Water 11, 2462 (Q2).
19. **Di Lorenzo T.**, Di Cicco M., Di Censo D., Galante A., Boscaro F., Messana G., Galassi D.M.P., 2019. Environmental risk assessment of propranolol in the groundwater bodies of Europe. Environmental Pollution, 255, 113189 (Q1).
20. Carlozzi P., Touloupakis E., **Di Lorenzo T.**, et al., 2019. Whey and molasses as inexpensive raw materials for parallel production of biohydrogen and polyesters via a two-stage bioprocess: New routes towards a circular bioeconomy. Journal of Biotechnology, 303: 37-45 (Q2).
21. Carlozzi P., Giovannelli A., Traversi M.L., Touloupakis E., **Di Lorenzo T.**, 2019. Poly-3-hydroxybutyrate and H2 production by *Rhodopseudomonas* sp. S16-VOGS3 grown in a new generation photobioreactor under single or combined nutrient deficiency. International Journal of Biological Macromolecules, 135(15): 821-828 (Q1).
22. Mahi A., **Di Lorenzo T.**, Haicha B., Belaidi N., Taleb A., 2019. Environmental factors determining regional biodiversity patterns of groundwater fauna in semi-arid aquifers of northwest Algeria. Limnology, doi.org/10.1007/s10201-019-00579-x (Q3).
23. **Di Lorenzo T.**, Di Marzio W.D., Fiasca B., Galassi D.M.P., Korbel K., Iepure S., Pereira J.L., Reboleira A.S.P.S., Schmidt S.I., Hose G.C., 2019. Recommendations for ecotoxicity testing with stygobiotic species in the framework of groundwater environmental risk assessment. Science of the Total Environment, 681(1), 292-304 (Q1).
24. **Di Lorenzo T.**, Castaño-Sánchez A., Di Marzio W.D., García-Doncel P., Nozal Martínez L., Galassi D.M.P., Iepure S., 2019. The role of freshwater copepods in the environmental risk assessment of caffeine and propranolol mixtures in the surface water bodies of Spain. Chemosphere, 220:227-236 (Q1).
25. **Di Lorenzo T.**, Cifoni M., Fiasca B., Di Cioccio A., Galassi D.M.P., 2018. Ecological risk assessment of pesticide mixtures in the alluvial aquifers of central Italy: Toward more realistic scenarios for risk mitigation. Science of the Total Environment, 644: 161–172 (Q1).
26. Fattorini S., **Di Lorenzo T.**, Galassi D.M.P., 2018. Earthquake impacts on microcrustacean communities inhabiting groundwater-fed springs alter species-abundance distribution patterns. Scientific Reports, DOI:10.1038/s41598-018-20011-1 (Q1).
27. **Di Lorenzo T.**, Cipriani D., Fiasca B., Rusi S., Galassi D.M.P., 2018. Groundwater drift monitoring as a tool to assess the spatial distribution of groundwater species into karst aquifers. Hydrobiologia, 813(1): 137-156 (Q2).

28. Di Marzio W.D., Cifoni M., Sáenz M.E., Galassi D.M.P., **Di Lorenzo T.,** 2018. The ecotoxicity of binary mixtures of Imazamox and ionized ammonia on freshwater copepods: implications for environmental risk assessment in groundwater bodies. Ecotoxicology and Environmental Safety, 149: 72-79 (Q1).
29. **Di Lorenzo T.**, Galassi D.M.P., 2017. Effect of Temperature Rising on the Stygobitic Crustacean Species *Diacyclops belgicus*: Does Global Warming Affect Groundwater Populations? Water, 9: 951; doi:10.3390/w9120951 (Q2).
30. Iepure S., Rasines-Ladero R., Meffe R., Carreno F., Mostaza D., Sundberg A., **Di Lorenzo T.**, Barroso J.L., 2017. The role of groundwater crustaceans in disentangling aquifer type features – a case study of the Upper Tagus Basin, central Spain. Ecohydrology, 10(7), e1876 (Q2).
31. Fattorini S., Lombardo P., Fiasca B., Di Cioccio A., **Di Lorenzo T.**, Galassi D.M.P., 2017. Earthquake-Related Changes in Species Spatial Niche Overlaps in Spring Communities. Scientific Reports, 7(1):443 (Q1).
32. **Di Lorenzo T.**, Melita M., Cifoni M., Galassi D.M.P., Iannucci A., Biricolti S., Gori M., Baratti M., 2017. Effect of ammonia on the gene expression levels of the freshwater cyclopoid *Eucyclops serrulatus*. Environmental Toxicology and Pharmacology, 51: 138-141 (Q2).
33. Galassi DMP, Fiasca B., **Di Lorenzo T.**, Montanari A., Porfirio S., Fattorini S., 2017. Groundwater biodiversity in a chemoautotrophic cave ecosystem: how geochemistry regulates microcrustacean community structure. Aquatic Ecology, 51:75-90 (Q2).
34. Cifoni M., Galassi D.M.P., Faraloni C., **Di Lorenzo T.**, 2017. Test procedures for measuring the (sub)chronic effects of chemicals on the freshwater cyclopoid *Eucyclops serrulatus*. Chemosphere, 173:89-98 (Q1).
35. Stoch F., Barbara F., **Di Lorenzo T**., Porfirio S., Petitta M., Galassi D.M.P., 2016. Exploring copepod distribution patterns at three nested spatial scales in a spring system: habitat partitioning and potential for hydrological bioindication. Journal of Limnology, 75(1): 1-13 (Q2).
36. **Di Lorenzo T.,** Cannicci S., Spigoli D., Cifoni M., Baratti M., Galassi D.M.P., 2016. Bioenergetic cost of living in polluted freshwater bodies: respiration rates of the cyclopoid *Eucyclops serrulatus* under ammonia-N exposures. Fundamental and Applied Limnology, 188(2):147-156 (Q3).
37. **Di Lorenzo T.**, Borgoni R., Ambrosini R., Cifoni M., Galassi D.M.P., Petitta M., 2015. Occurrence of volatile organic compounds in shallow alluvial aquifers of a Mediterranean region: Baseline scenario and ecological implications. Science of the Total Environment, 538:712-723 (Q1).
38. Mugnai R., Messana G., **Di Lorenzo T.**, 2015. Hyporheic invertebrate assemblages at reach scale in a Neotropical stream in Brazil. Brazilian Journal of Biology, 75(4) (Q4).
39. Mugnai R., Messana G., **Di Lorenzo T.**, 2015. The hyporheic zone and its functions: Revision and research status in Neotropical regions (Article) [A zona hiporréica e as suas funções: Revisão e estado da arte da pesquisa na região neotropical]. Brazilian Journal of Biology, 75(3): 524-534 (Q4).
40. Mugnai R., Sousa F.N.F., **Di Lorenzo T.**, 2015. Monitoring hyporheic habitats: Techniques for unclogging minipiezometers. Pan-American Journal of Aquatic Sciences, 10(2): 168-171.
41. **Di Lorenzo T.**, Di Marzio W.D., Cifoni M., Fiasca B., Baratti M., Sáenz M.E., Galassi D.M.P., 2015. Temperature effect on the sensitivity of the copepod *Eucyclops serrulatus* (Crustacea, Copepoda, Cyclopoida) to agricultural pollutants in the hyporheic zone. Current Zoology 61 (4): 629–640 (Q1).
42. **Di Lorenzo T.**, Di Marzio W.D., Spigoli D., Baratti M., Messana G., Cannicci S., Galassi D.M.P., 2015. Metabolic rates of a hypogean and an epigean species of copepod in an alluvial aquifer. Freshwater Biology, 60, 426-435 (Q1).
43. Baratti M., Cattonaro F., **Di Lorenzo T.**, Galassi D.M.P., Iannilli V., Iannucci A., Jensen J., Larsen P.F., Nielsen R.O., Pertoldi C., Postolache D., Pujolar J.M., Randi E., Ruiz-Gonalez A., Thirstrup J.P., Vendramin G.G., Zalewski A., 2015. Genomic Resources Notes Accepted 1 October 2014-30 November 2014. Molecular Ecology Resources, 15: 458-459 (Q1).
44. **Di Lorenzo T.**, Cifoni M., Lombardo P., Fiasca B., Galassi D.M.P., 2015. Ammonium threshold value for groundwater quality in the EU may not protect groundwater fauna: evidence from an alluvial aquifer in Italy. Hydrobiologia, 743(1): 139-150 (Q2).
45. Galassi D.M.P., Lombardo P., Fiasca B., Di Cioccio A., **Di Lorenzo T.**, Petitta M., Di Carlo P., 2014. Earthquakes trigger the loss of groundwater biodiversity. Scientific Reports, 4, 6273 (Q1).
46. **Di Lorenzo T.**, Di Marzio W.D., Sáenz M.E., Baratti M., Dedonno A.A., Iannucci A., Cannicci S., Messana G., Galassi D.M.P., 2014. Sensitivity of hypogean and epigean freshwater copepods to agricultural pollutants. Environmental Science and Pollution Research, 21(6): 4643-4655 (Q2).

47. Di Marzio W.D., Castaldo D., **Di Lorenzo T.**, Di Cioccio A., Sáenz M.E., Galassi D.M.P., 2014. Developmental endpoints of chronic exposure to suspected endocrine-disrupting chemicals on benthic and hyporheic freshwater copepods. Ecotoxicology and Environmental Safety, 96: 86-92 (Q1).
48. **Di Lorenzo T.**, Galassi D.M.P., 2013. Agricultural impact in Mediterranean alluvial aquifers: do groundwater communities respond? Fundamental and Applied Limnology, 182(4): 271-282 (Q3).
49. **Di Lorenzo T.**, Stoch F., Galassi D.M.P., 2013. Incorporating the hyporheic zone within the river discontinuum: Longitudinal patterns of subsurface copepod assemblages in an Alpine stream. Limnologica, 43: 288-296 (Q2).
50. **Di Lorenzo T.**, Brilli M., Del Tosto D., Galassi D.M.P:, Petitta M., 2012. Nitrate source and fate at the catchment scale of the Vibrata River and aquifer (central Italy): an analysis by integrating component approaches and nitrogen isotopes. Environmental Earth Sciences 67(8), pp. 2383-2398 (Q3).
51. Galassi D.M.P., Stoch F., Fiasca B., **Di Lorenzo T**., Gattone E., 2009. Groundwater biodiversity patterns in the Lessinian Massif of northern Italy. Freshwater Biology, 54(4): 830-847 (Q1).
52. Di Marzio W.D., Castaldo D., Pantani C., **Di Lorenzo T.**, Sáenz M.E., Galassi D.M.P., 2009. Relative sensitivity of hyporheic copepods to chemicals. Bulletin of Environmental Contamination and Toxicology 82(4): 488-491 (Q3).
53. Michel G., Malard F., Deharveng L., **Di Lorenzo T.**, Sket B., De Broyer C., 2009. Reserve selection for conserving groundwater biodiversity. Freshwater Biology, 54: 861-876 (Q1).

ARTICLES IN NATIONAL JOURNALS

1. Boggero A., Ciampittiello M., Cifoni M., **Di Lorenzo T.** et al., 2021. Lago Maggiore: il futuro della gestione dei livelli. Nimbus, 85(1), Anno XXIX - N.1

CHAPTERS IN BOOKS

2. **Di Lorenzo T.** et al. *in revision*. Physiological tolerance among groundwater organisms. In: Groundwater Ecology and Evolution 2. Ed (Malard F., Griebler C., Rétaux S., eds.) Elsevier
3. Hose G.C., **Di Lorenzo T.** et al. *in revision*. Assessing groundwater ecosystem health, status and services. In: Groundwater Ecology and Evolution 2. Ed (Malard F., Griebler C., Rétaux S., eds.) Elsevier
4. **Di Lorenzo T**., 2008. La Procedura GEcoRA. In: Quaderno Habitat n. 20 "Le Acque Sotterranee. La biodiversità nascosta". Ministero dell'Ambiente e della Tutela del Territorio e del Mare e Museo Friulano di Storia Naturale, 124-125. A cura di F. Stoch. 157 pp. ISBN: 88-88192-37-9

ABSTRACTS IN BOOK OF ABSTRACTS

Number of abstracts: 8

1. **Di Lorenzo T.**, Cifoni M., Fiasca B., Di Cioccio A., Galassi D.M.P., 2018. Predictive ecological risk assessment of pesticide mixtures in Mediterranean porous aquifers. International Conference on Subterranean Biology, 27-31 August 2018 (University of Aveiro). ARPHA Conference Abstracts," DOI: 10.3897/aca.1.e30125.
2. Iepure S., Gouin N., Bertin A., Oyarzo P., Camacho A., Ramon-Gonzales A., Rio-Escalante P., **Di Lorenzo T.**, 2018. The use of groundwater crustacean communities as indicators for aquifers quality in the semi-arid region of Coquimbo, north-central Chile. International Conference on Subterranean Biology, 27-31 August 2018 (University of Aveiro). ARPHA Conference Abstracts, DOI: 10.3897/aca.1.e30126.
3. **Di Lorenzo T.**, Di Marzio WD, Piccini L., Messana G., Sáenz M.E., Galassi D.M.P., 2018. Survival, metabolic rates and locomotory activities of a groundwater-obligate copepod species under long-term exposures to tetrachloroethylene. International Conference on Subterranean Biology, 27-31 August 2018 (University of Aveiro). ARPHA Conference Abstracts, DOI:10.3897/aca.1.e29966.
4. **Di Lorenzo T.**, Borgoni R., Ambrosini R., Cifoni M., D.M.P. Galassi, Petitta M., 2018. Contamination by Volatile Organic Compounds (VOCs) in the alluvial aquifers of Abruzzo region. Atti dei Convegni dei Lincei 316, 90-95. XIV Giornata mondiale dell'acqua, Inquinamento antropico di acqua e suoli d'Italia, Roma, 21 Marzo 2016. Accademia Nazionale dei Lincei. ISSN: 0391-805X, ISBN: 978-88-218-1158-6.
5. Galassi D.M.P., Baratti M., Cannicci S., Cifoni M., Di Marzio W.D., Saenz M.E., **Di Lorenzo T**., 2018. Occurrence of ionized ammonia contamination in the groundwater bodies of Abruzzo Region and consequences for groundwater copepods. Atti dei Convegni dei Lincei 316, 144-155. XIV Giornata mondiale dell'acqua, Inquinamento antropico di acqua e suoli d'Italia, Roma, 21 Marzo 2016. Accademia Nazionale dei Lincei. ISSN: 0391-805X, ISBN: 978-88-218-1158-6.

6. **Di Lorenzo T.**, Galassi D.M.P., Cifoni M., Sáenz M.E., Di Marzio W.D., 2016. The assessment of quality standards in European groundwater dependent ecosystems: the case of ionized ammonia ($NH4^+$). 33° Congress of the International Society of Limnology, SIL, Turin, 31 July – 5 August, 2016.
7. **Di Lorenzo T.**, Cifoni M., Sáenz M.E., Galassi D.M.P., Di Marzio W.D. Sensitivity of two freshwater cyclopoid (Crustacea Copepoda) species to the binary mixture of the herbicide Imazamox and ionized ammonia. PRIMO CONGRESSO CONGIUNTO SOCIETA' ITALIANA DI ECOLOGIA, UNIONE ZOOLOGICA ITALIANA, SOCIETA' ITALIANA DI BIOGEOGRAFIA. MILANO, 30 AGOSTO - 2 SETTEMBRE 2016, UNIVERSITA' DI MILANO-BICOCCA, EDIFICIO U6, PIAZZA DELLA SCIENZA 2, 20126 MILANO
8. **Di Lorenzo T.**, Stoch F., Fiasca B., Gattone E., De Laurentiis P., Ranalli F. & Galassi D.M.P., 2005. Environmental quality of deep groundwater in the Lessinian Massif (Italy): signpost for sustainability. In: World Subterranean Biodiversity. Proceedings of an international symposium, Villeurbanne, France, 2004, 115-125.

TECHNICAL REPORTS

Number of reports: 2

1. **Di Lorenzo T**., 2017. "Valutazione dello stato di compromissione, delle tendenze di inquinamento, delle proroghe e deroghe di obiettivi di qualità, dei corpi idrici sotterranei della Regione Abruzzo ai sensi del Decreto Legislativo 30/2009 – Parte I". Regione Abruzzo.
2. **Di Lorenzo T**., 2017. "Valutazione dello stato di compromissione, delle tendenze di inquinamento, delle proroghe e deroghe di obiettivi di qualità, dei corpi idrici sotterranei della Regione Abruzzo ai sensi del Decreto Legislativo 30/2009 – Parte II". Regione Abruzzo.

EDITORIAL BOARD

1. Associate Editor for Tropical Zoology (PagePress), https://pagepress.org/biology/tz/board
2. Subject Editor for Subterranean Biology (Pensoft Publishers), https://subtbiol.pensoft.net/editors/
3. 2021 - Guest Associate Editor of Frontiers Ecology and Evolution, Research topic " Living on the Edge: Biodiversity, Adaptation, and Evolution in Extreme Groundwater Habitats"
4. 2020 – Guest Associate Editor for the Special Issue "Assessment of Different Contaminants in Freshwater: Origin, Fate, and Ecological Impact." Water (ISSN 2073-4441). https://www.mdpi.com/journal/water/special_issues/freshwater_assessment

PROJECTS

Number of national projects: 4

Number of international projects: 2

Number of competitive projects: 3

1. 2019-2022: INTERREG Project entitled "PARCHI VERBANO TICINO ID 481668" Interreg V – A Italia - Svizzera 2014-2020 CUP B56C18004130002. Partner.
2. 2017-2018: **PI** of the project "Test e validazione del sistema di indicatori del progetto AQUALIFE (LIFE12 BIO/IT/000231)". Funded by University of L'Aquila.
3. 2016-2017: **PI** of the project "Valutazione dello stato compromissione, delle tendenze di inquinamento, delle proroghe e deroghe di obiettivi di qualità, dei corpi idrici sotterranei della Regione Abruzzo ai sensi del Decreto Legislativo 30/2009". Funded by Regione Abruzzo. € 20.000 - Accordo di collaborazione scientifica
4. 2015-2017: **PI** of the project "Attività di supporto del progetto europeo AQUALIFE" (LIFE12 BIO/IT/000231)". Funded by University of L'Aquila
5. 2015: PI of the project "Groundwater invertebrate drift at karst springs: a tool for assessing karst biodiversity and community dynamics (BIOKARST)". Funded by ExpeER (Experimentation in Ecosystem Research) project.
6. 2011-2012: project RIPARI (Reducing Agricultural Pressures and Impacts on Water Resources), funded by the Tuscany Region. Project Partners: Hydrogea Vision, ETG, IRET-CNR (ex ISE) Firenze. Funded by Regione Toscana: POR-FESR 2007–2013. Partner.

SHORT TEMR MOBILITY PROJECTS

My own stay

1. CNR Short Term Mobility 2016: Foundation IMDEA Agua (Madrid Spain) for research activities dealing with aquatic ecotoxicology.
2. CNR Short Term Mobility 2021: cE3c (Cenre of Ecology, Evolution and Environmental Changes) of the University of Lisbon, Lisbon, Portugal.

Reception of international researchers

1. CNR Short Term Mobility (15 days): 15-day stay of Prof. Walter Dario Di Marzio (CONICET, Argentina) for research activities dealing with aquatic ecotoxicology.

REVIEWER OF SCIENTIFIC PROJECT

1. 2013. Reviewer in the framework of "Futuro in ricerca 2013" promoted by Italian Ministry of Instruction, University and Research (MIUR - Ministero dell'Istruzione, dell' Universita' e della Ricerca).

EDUCATIONAL PROJECTS

1. 2020 - from 01/02/2021 to 15/02/2021. Supervisory of an internship activity of a student from the University of Florence (Prot. UNIFI 22656-V / 6 of 21/01/2021). The aim of the internship was the introduction to the themes of the INTERREG PTV ID 481668 project.
2. 2019 - September 9th -13th. Teaching activities. SCHOOL-WORK ALTERNANCE (SWA) program. Program title: "Approccio alle moderne tecniche di indagine ecologica attraverso alcuni casi di studio". Istituto Tecnico Tecnologico Statale "Silvano Fedi – Enrico Fermi", Pistoia. Students' names: Giulia Signorini, Margherita Mucci. Duration: 30 hours.
3. 2019 – Seminar entitled "Tu che acqua bevi? Le acque sotterranee e la loro biodiversità". Series of preparatory seminars for high school students, for a conscious choice in the context of school-work alternation within the project "CNR for students: listening to learn".
4. 2018, September 10th -15th. Teaching activity. SCHOOL-WORK ALTERNANCE (SWA) program. Program title: "Approccio alle moderne tecniche di indagine ecologica attraverso alcuni casi di studio". Liceo scientifico Niccolò Copernico, Bologna. Student name: Tommaso Ventura. Duration: 60 hours. Prot. N. 5107 del 05/09/2018
5. 2018, September 17th -21th. Teaching activity. SCHOOL-WORK ALTERNANCE (SWA) program. Program title: "Biomonitoraggio degli ecosistemi di acqua sotterranea" Liceo scientifico Enriques Agnoletti, Florence. Students' names: Cosenza Raoul and Mochi Matias. Duration: 30 hours. Prot. N. 3952 on 14/09/2018.

MEMBER OF EXAMINING COMMITTEES

Number of international committees: 4

Number of national committees: 4

1. 2020. Post-Doc substitute commission member. Project "Programma di Ricerca sullo studio delle risposte vegetali allo stress". Post-Doc position at IRET-CNR, Florence, Italy. Prot. CNR-IRET-CNR n. 2437 on 14/07/2020.
2. 2020. Post-Doc commission member. Project "INTERREG ITALIA-SVIZZERA "Parchi Verbano Ticino". Post-Doc position at IRET-CNR, Florence, Italy. IRET CNR Director provision signed on 04/06/2020 at 12:54.
3. 2018. Member of Examining Commission of Master Theses at the MACQUARIE University, Sydney, Australia. Thesis title: "The Effects of Drawdown on the Movement of Groundwater Invertebrates". Master student: Ms. Tracy White. Prot. N. 42331811 del 21/06/2018 (MACQuary University)
4. 2018. PhD Member of Examining Commission of PhD Thesis -University of Tlemcen, Algeria. Thesis title: "Ecologie et biodiversité des eaux souterraines dans le Nord-Ouest algérien". PhD student: Abdelhakim Mahi. Prot. ISE-CNR-ISE n. 0000183 del 09/02/2018
5. 2017. PhD Thesis Examiner Member. University of Madrid Rey Juan Carlos, Spain. Thesis title: "La ecologia de la zona hiporreica asociada a los rios Henares y Tajuna (cuenca hidrografica del Jarama, Espana). PhD student: Rubén Rasines Ladero. Prot. N ISE-CNR-ISE n. 1786 on 07/06/2017.
6. 2015. PhD Thesis Substitute Examiner Member. Istituto Pirenaico de Ecologia-CSIC, Zaragoza, Spain. Thesis title: "Biodiversity and functionality of natural and restored aquatic ecosystem in the Middle Ebro River floodplain". PhD student: Cecilia Espanol. Prot. ISE-CNR-ISE n. 4087 del 18/12/2015.

7. 2014. Post-Doc substitute commission member. Conpetition notice n. ISEFI/2/CARIFI/2014 Adr prot. 2908 del 30/09/2014. Post-Doc position at ISE CNR, Florence, Italy. Prot. ISE-CNR-ISE n. 3260 of 21/10/2014.
8. 2014. Scholarship commission member. Project POR CREO FESR 2007-2013 "Riduzione dell'impatto dele pressioni agricole sulla risorsa idrica". Scholarship position at ISE CNR, Florence, Italy. Provv. 14/4, Prot. ISE-CNR-ISE n. 92 del 14/01/2014.

MEMBER OF CONGRESS/SOCIETIES COMMITTEES

1. Member of the Council of the International Society of Subterranean Biology.
2. 2018. International Conference on Subterranean Biology. Member of Scientific Committee, 27-31 August 2018 (University of Aveiro).

MEMBER OF WORKING GROUPS/SOCIETIES

1. 2020. Member of Successione Ecologica.
2. 2017. Member of the Groundwater Ecology Group of IMEDEA Water, Spain (https://groundwaterecology.wordpress.com/groundwater-ecology-group/).
3. 2014. Member of the Working Group Groundwater for the Common Implementation Strategy for the Water Framework Directive (Hyporheic Sampling Protocols).

WORKSHOP and CONGRESS ORGANIZATION

1. Congress Organization. 25 th International Conference on Subterranean Biology, 18th – 22th July 2022, (Cluj-Napoca, Romania, https://www.25icsb.com/
2. Workshop organization. 24th International Conference on Subterranean Biology, 20-24 August 2018 (University of Aveiro). Workshop Title: "Guidelines on laboratory practices (GLP) with subterranean fauna". http://24icsb.web.ua.pt/index.php/workshops/workshop-guidelines-on-laboratory-practices-glp-with-subterranean-fauna/

RECOGNITIONS AND AWARDS

1. 2016. Certificate of Appreciation awarded in recognition of notable and invaluable contribution to the 33° Congress of the International Society of Limnology, SIL, Turin, 31 July – 5 August, 2016.
2. 2014. Certificate of Appreciation awarded in recognition of notable dedications and contributions to the 12th International conference on Copepoda at Hanyang University, Korea, July 2014.

KEYNOTES

1. July 2014. Keynote speaker at the Conference "Copepoda and the Global Environment", Hanyang University, Seul, Korea: "Breathless and sensitive: groundwater copepod metabolism and response to pollutants". Prot. ISE-CNR-ISE n. 521 of 26/02/2014

PROFESSIONAL AND ACADEMIC ACTIVITIES

Number of teaching activities: 3

1. 2020. Teaching activity. Training course of the Environmental Agency of Tuscany Region (ARPAT – Agenzia Regionale per la Protezione dell'Ambiente e del Territorio della Regione Toscana) entitled: "Tecniche innovative per lo studio della natura morfologica e degli inquinanti nei sedimenti e rifiuti di lavorazione del bacino marmifero apuano - Innovative techniques for the study of the morphology and contamination in the sediments and marble quarry slurry waste of the Apuan Alps basin". Florence, 17-18 February 2020.
2. 2017. Teaching activity. Training course of the Environmental Agency of Tuscany Region (ARPAT – Agenzia Regionale per la Protezione dell'Ambiente e del Territorio della Regione Toscana) entitled "Inquadramento idrogeologico, problematiche di trasferimento degli inquinanti e finalità dei monitoraggi", N. Prot. ARPAT 2017/087559 cl. DV11.03.01/618 13th December 2017.
3. 2011-2012. Teaching activity. Adjunct Professor at the University of L'Aquila (Italy). Class degree in Environmental Biology: "Biodiversity analysis and statistical inference SSD-BIO05". Prot. UNIVAQ 1360/11 del 20/10/2011

MASTER THESIS SUPERVISORY

Number of supervisories: 6

1. 2021. Master thesis co-supervisory. Title: "Impacts of Veterinary and Human Medicinal Products in Groundwater Ecosystems". Student: Cláudia Duarte, University of Lisbon, Portugal.
2. 2021. Master thesis co-supervisory. Title: "First evidence of microplastic ingestion in the meiofaunal taxa of Torrente Mugnone". Student: Serena Cabigliera, University of Florence, Italy.
3. 2020. Master thesis co-supervisory. Title: "Variazione negli assemblaggi iporreici e bentonici lungo un gradiente di contaminazione urbana". Student: Simone Crisante, matr. 259411. University of L'Aquila, Italy.
4. 2019. Master thesis co-supervisory. Title: "The role of trait-based approaches in disentangling aquifer type features: a case study in the N-contaminated Vomano alluvial aquifers, Italy. Student: Agostina Tabilio Di Camillo, matr. 250408. University of L'Aquila, Italy.
5. 2019. Master thesis co-supervisory. Title: Potential of trait-based approaches in the characterization of N-contaminated alluvial aquifers". Student: Alessandro Murolo, matr. 249683. University of L'Aquila, Italy.
6. 2019. Master thesis co-supervisory. Title: "Environmental risk assessment of propranolol in the groundwater bodies of Europe". Student: Mattia Di Cicco, matr. 244678. University of L'Aquila, Italy.
7. 2013. Master thesis co-supervisory. Title: "Analisi geostatistica multivariate sulla qualità delle acque sotterranee. Il caso della regione Abruzzo". Student: Emilia Maria Melisa Valori. Corso di Laurea Magistrale in Biostatistica e Statistica Sperimentale, University Milano-Bicocca, Italy.

PhD SUPERVISORY

Number of supervisories: 2

1. 2017. PhD thesis supervisory. Title: "Sensitivity of freshwater hypogean and epigean copepod species to anthropogenic pollutants and their use in the environmental risk assessment". Student: Marco Cifoni (Ph.D. in Groundwater Ecology). University of L'Aquila, Italy.
2. 2016. PhD thesis supervisory. Title: " Ecologie et Biodiversité des eaux souterraines dans le Nord-Ouest algérien". Student: Abdelhakim Mahi (Ph.D., Groundwater Ecology). University of Berk Belkaid-Tlemcen, Algeria.

Postdoc SUPERVISORY

Number of supervisories: 1

1. 2021. 1 Postdoc for research activities in the field of the project INTERREG Italy – Switzerland "Parchi Verbano Ticino – PVT" ID 481668

NATIONAL AND INTERNATIONAL RESEARCH COLLABORATIONS

1. 2018-2021: "Accordo per la collaborazione scientifica sull'ecologia delle acque sotterranee– Agreement ex. Art. 15 L 241/90". Partner involved: Università di L'Aquila, Dipartimento MESVA.
2. 2017-2020: "Accordo ex art. 15 L 241/90 per la collaborazione scientifica sull'ecologia degli ambienti di grotta, parte acquatica – Agreement ex. Art. 15 L 241/90 for the scientific collaboration concerning cave ecology, aquatic part ". Partner involved: Università di Firenze, Dipartimento di Scienze della Terra.
3. 2015-2018: agreement between Foundation IMDEA Agua (Madrid Spain) and ISE-CNR for establishing and developing a cooperative relationship between the two research entities on the following specific activities: groundwater ecology status assessment, groundwater ecotoxicology risk assessment, surface/groundwater interactions (the hyporheic and shallow aquifers) – a hydrological and biological approach.
4. 2013: "Ecotoxicology and genetic of groundwater and ecotonal crustaceans". Project partners: ISE-CNR Sesto Fiorentino and Laboratorio UTAGRI-ECO dell'ENEA.

PATENT

1. 2008. Author of a copyright of the expert system HYES/GEcoR@ approved by the Italian Society of Authors and Editors, section OLAF unpublished works. HYES/GEcoR@ is aimed at evaluating and scoring the functionality, vulnerability and risk in the hyporheic zone and assessing the ecological risk faced by groundwater environment due to anthropic contamination.

JOURNAL REFEREEING (21 journals)

African Journal of Environmental Science and Technology, AISM Environmental Science, Biodiversity and Conservation, Chemosphere, Ecotoxicology, Ecotoxicology and Environmental Safety, Environmental Earth Sciences, Environment International, Environmental Pollution, Environmental Monitoring and Assessment, Environmental Toxicology and Chemistry, Environmental Science & Technology, Hydrobiologia, Invertebrate Reproduction and Development, International Journal of Environmental Health Research, Journal of the Arkansas Academy of Science, Limnologica, Processes, Science of the Total Environment, Scientific Reports, Toxicology Research, Tropical Zoology.

The undersigned TIZIANA DI LORENZO, aware that false declarations involve the application of the criminal sanctions provided for by art. 76 of Italian Presidential Decree 445/2000, declares that the information contained in this curriculum vitae is true.

Florence, 21/12/2021