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Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
<input type="checkbox"/> Mid-Management Level	X Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

01/03/ 2021 - Today Associate Professor

University of Florence, Department of Chemistry "Ugo Schiff", Via della Lastruccia 3, 50019, Sesto Fiorentino (FI)

Research and teaching activities in the field of Environmental Analytical Chemistry
Academic advisor for Prospective Students for Chemical Sciences

01/05/2019 – 31/10/2020 Post-doc researcher

University of Florence, Department of Chemistry "Ugo Schiff", Via della Lastruccia 3, 50019, Sesto Fiorentino (FI)

Research activity on the use of biotic samples from European specimen banks for the study of distribution of organic and inorganic contaminants in the framework of EU LIFE -APEX Project

01/11/2017 – 30/04/2019 Post-doc researcher

University of Florence, Department of Chemistry "Ugo Schiff", Via della Lastruccia 3, 50019, Sesto Fiorentino (FI)

Research activity on the Dredged sediments remediation by co-composting and their reuse in agricultural applications (DRAGON project- research fellowship – individual funding)

01/03/2014 – 31/10/2017 Post-doc researcher

University of Florence, Department of Chemistry "Ugo Schiff", Via della Lastruccia 3, 50019, Sesto Fiorentino (FI); www.unifi.it; www.chim.unifi.it

Research activity on the Determination, distribution and environmental fate of old and emerging organic compounds

01/03/2009 – 28/02/2014 Post-doc researcher

University of Florence, Department of Chemistry "Ugo Schiff", Via della Lastruccia 3, 50019, Sesto Fiorentino (FI)

Research activity on the Environmental distribution and fate of POPs in remote and anthropic areas

01/01/2009 – 28/02/2009 Post-doc researcher

University of Florence, Department of Chemistry "Ugo Schiff", Via della Lastruccia 3, 50019, Sesto Fiorentino (FI);

Research activity on the Qualitative/quantitative analysis and data treatment of air and water samples collected in Antarctica in the framework of PNRA project

01/02/2005 – 31/12/2005 Research Fellow

University of Florence, Department of Chemistry "Ugo Schiff", Via della Lastruccia 3, 50019, Sesto Fiorentino (FI);

Research activity on the Study on the organic composition of the atmospheric particulate matter by GC-MS in different anthropic grade area in Tuscany in the framework of PATOS project funded by Tuscany Region

01/01/2005 – 31/01/2005 Research Fellow

University of Florence, Department of Chemistry "Ugo Schiff", Via della Lastruccia 3, 50019, Sesto Fiorentino (FI);

Research activity on the Determination of odorous substances from a waste collection center

01/06/2004– 31/12/2004 Research Fellow

University of Florence, Department of Chemistry "Ugo Schiff", Via della Lastruccia 3, 50019, Sesto Fiorentino (FI);

Research activity on the AFM determination of molecules immobilized on substrates

EDUCATION AND TRAINING**01/2006 – 12/2008 PhD in Chemical Sciences (Analytical Chemistry).**

Department of Chemistry, University of Florence

Research project: Long range transport and environmental fate of Persistent Organic Pollutants (POPs) - Cycle XXI – PhD scholarship funded by MIUR

03/04/2004 Master Degree in Chemistry

Department of Chemistry, University of Florence

Research project: Endocrine Disrupting Chemicals (EDCs) determination and fate in constructed wetland sewage", in the framework of European research project SWAMP –Sustainable WAter Management and Wastewater Purification in Tourism Facilities

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English (C2), proficiency level: Excellent (reading, speaking, writing)

Job-related skills	<ul style="list-style-type: none"> ○ Research interests: <ul style="list-style-type: none"> • Characterization of microplastics and microplastic tracers in environmental samples in particular optimization and/or set up of methods for sampling strategies, extraction and determination of microplastics and bioplastics in environmental samples • Environmental determination, distribution and remediation of legacy and emerging Contaminants • Contribution in understanding the long range transport and fate of POPs (i.e. PCBs, PBDEs, chlorinated pesticides, PAHs, Perfluorochemicals) especially in remote marine environments, such as Arctic and Antarctica. • Transport, distribution and accumulation mechanisms of organic compounds in biota. <p><u>Sampling</u> Air (indoor and outdoor environments), Water (surface water, waste water, sea water), snow, ice and soil</p> <p><u>Extraction and Clean up:</u> Liquid- Liquid extraction, Soxhlet extraction, ASE (accelerated solvent extraction), multilayer columns, GPC (gel permeation column), Quechers, SPE, Power prep</p> <p><u>Instrumentation:</u> GC, GC-MS, GC-TD-MS, GCMS/IRMS, HPLC, HPLC/MS, TLC, thermo optical determination of organic carbon, CHN, stereomicroscope, micro-FTIR</p> <ul style="list-style-type: none"> - Co-supervisor of 53 Thesis for the Master Degree in Chemistry, in BIOEMSA and Bachelor degree in Chemistry and Biology - Supervisor of 1 PTCO Student - Supervisor of 2 Thesis for the Bachelor Degree In Chemistry - Supervisor of 2 Thesis for the Master Degree in Chemistry - Supervisor of 1 Ph.D. student for the Ph.D. Degree in Chemical Sciences <p>- Referee for relevant journals: Applied Sciences, Atmospheric Pollution Research, Chemosphere, Environmental Pollution, Environmental Research, Environmental and Toxicology Studies Journal, Helion, International Journal of Environmental Research and Public Health, Marine Pollution Bulletin, Microchemical Journal, Science of Total Environment, The European Zoological Journal, Journal on Hazardous Materials, Water Research, Water Science and Technologies.</p> <ul style="list-style-type: none"> - Congresses and seminars - 28 oral and poster contributions presented in person at seminars, workshops, national and international conferences - 62 additional contributions to national and international conferences and workshops as co-author of oral and/or poster communications <p>- Author of 81 publications in extenso (65 articles published in international peer-reviewed journals, 1 article in national journals, 4 book chapters, 3 conference papers, 8 articles in ISSN journals)</p>
Digital skills	<p>Understanding of common digital platforms and software, Operative systems: Windows 95/98/2000/XP. Applications: Office, Origin, SPSS, Statistica, SciDavis, Avogadro</p>

- Other skills**
- **Field experiences in international research programs and internship experiences**
 - Participant as scientific staff to the XXVI Italian Antarctic Expedition at MZS – Terranova Bay Antarctica- Project “Flows of POPs between poLar Abiotic and Biotic compartments (POP-LAB)”
 - Participant as scientific staff to a sampling campaign at Ny-Alesund (Svalbard Islands, Arctic) with the project “The fate of POPs in the snowpack” funded by ARCFACV 026129 2009 142 European Centre for Arctic Environmental Research.
 - Research period at Lancaster University and Lancaster Environmental Centre (Lancaster -UK)
 - Participant as scientific staff to a sampling campaign in the French Alps (Chamonix) Galileo Project Italy-France Universities - “Transfer of pesticides between atmosphere and snow”
 - **Networks and memberships**
 - Executive Board of the council of Chemists and Physics- Currently Treasurer- [20/07/2013 – on going]
 - Member of Physiocritics Academy[June 2019 – on going]
 - Associate to CSGI (Center for Colloid and Surface Science)
 - Associate to INSTM (National Interuniversity Consortium of Materials Science and Technology)
 - **Editorial and peer review activity**
 - *Editorial board member of:*
 - Microplastics,
 - Atmosphere,
 - Water Emerging contaminants and Nano plastics,
 - Environmental protection research
 - Frontiers in Environmental science
 - *Guest Editor of the special issue:*
 - International Journal of Environmental Research and Public Health - Special Issue "Indoor Air Quality and Health 2016":
 - Toxics - Special Issue "Microplastics in Aquatic Environments: Occurrence, Distribution, and Effects" 2021-2022
 - *Referee for relevant journals:*
 - Applied Sciences, Atmospheric Pollution Research, Chemosphere, Environmental Pollution, Environmental Research,
 - Environmental and Toxicology Studies Journal, Helion, International Journal of Environmental Research and Public Health, Marine Pollution Bulletin, Microchemical Journal, Science of Total Environment, The European Zoological Journal, Journal on Hazardous Materials, Water Research, Water Science and Technologies. Fundraising and projects
 - **Management:**
 - INSTM and University of Turin – “Study of construction solutions and materials to increase the environmental sustainability of washing operations and certification of crop protection machinery” (Funding - 26000 €)
 - INSTM and University of Catania - "Polymeric materials for innovative uses"(Funding- 20000 €)
 - INSTM and Ambiente SRL - " Treatment and remediation of contaminated soil using a pilot plant for stabilization/solidification by granulation "(Funding - 30000 €)
 - INSTM and University of Napoli – “Monitoring, control and optimal management of water and environmental resources”(Funding - 20000 €)
 - **Participation (relevant projects):**
 - Participant to “LIFE17 ENV/SK/000355- APEX Systematic use of contaminant data from apex predators and their prey in chemicals management“
 - Participant to LIFE17 ENV/IT/000269 -AGRISED - “Use of dredged sediments for creating innovative growing media and technosoils for plant nursery and soil rehabilitation“
 - Participant to SPIA – PLAST- Plastic Beaches (Funded by Ente Cassa di Risparmio di Firenze)
 - Participant to PNRA projects n. 2009/A2.10, n. 2009/A2.05 and n. 2009/A2.10
 - **Organisation** of 17 technical and scientific events for Chemists and Physics council

Publications

ORCID ID: 0000-0001-6803-1928; Scopus Author ID: 10140032000; Web of Science ResearcherID: AAD-1095-2020
Scopus: 75 documents; 2944 Citations by 2644 documents; 31 h-index

Peer Reviewed Journals

1. Galli, M., Olavarrieta Garcia, T., Bains, M., Urbán R, J., Ramírez-Macías, D., Viloria-Gómora, L., Panti, C., **Martellini, T.**, Cincinelli, A., Fossi, M.C. Microplastic occurrence and phthalate ester levels in neuston samples and skin biopsies of filter-feeding megafauna from La Paz Bay (Mexico) (2023) Marine Pollution Bulletin, 192, art. no. 115086, .DOI: 10.1016/j.marpolbul.2023.115086
2. **Martellini, T.**, Russo, A., Cincinelli, A., Santini, S., Lofrumento, C., Bains, M., Ciattini, S., Conti, L., Mostardini, F., Mercatelli, L., Ugolini, A. Bioplastics on marine sandy shores: Effects on the key species *Talitrus saltator* (Montagu, 1808) (2023) Science of the Total Environment, 876, art. no. 162811, .DOI: 10.1016/j.scitotenv.2023.162811
3. Di Lorenzo, T., Cabiglieri, S.B., **Martellini, T.**, Laurati, M., Chelazzi, D., Galassi, D.M.P., Cincinelli, A. Ingestion of microplastics and textile cellulose particles by some meiofaunal taxa of an urban stream (2023) Chemosphere, 310, art. no. 136830, .DOI: 10.1016/j.chemosphere.2022.136830
4. Guerranti, C., Andreuccetti, C., Cenni, I., Santini, S., **Martellini, T.**, Cincinelli, A., Perico, A. Cosmetics Trace Elemental Content: Analytical Methodology and Toxicity Evaluation of Products in the Italian Market (2023) Analytical Letters, 56 (7), pp. 1115-1127. DOI: 10.1080/00032719.2022.2121405
5. Gkotsis, G., Nika, M.-C., Nikolopoulou, V., Alygizakis, N., Bizani, E., Aalizadeh, R., Badry, A., Chadwick, E., Cincinelli, A., Claßen, D., Danielsson, S., Dekker, R., Duke, G., Drost, W., Glowacka, N., Göckener, B., Jansman, H.A.H., Juergens, M., Knopf, B., Koschorreck, J., Krone, O., **Martellini, T.**, Movalli, P., Persson, S., Potter, E.D., Rohner, S., Roos, A., O' Rourke, E., Siebert, U., Treu, G., van den Brink, N.W., Walker, L.A., Williams, R., Slobodnik, J., Thomaidis, N.S. Assessment of contaminants of emerging concern in European apex predators and their prey by LC-QToF MS wide-scope target analysis (2022) Environment International, 170, art. no. 107623, DOI: 10.1016/j.envint.2022.107623
6. Badry, A., Rüdell, H., Göckener, B., Nika, M.-C., Alygizakis, N., Gkotsis, G., Thomaidis, N.S., Treu, G., Dekker, R.W.R.J., Movalli, P., Walker, L.A., Potter, E.D., Cincinelli, A., **Martellini, T.**, Duke, G., Slobodnik, J., Koschorreck, J. Making use of apex predator sample collections: an integrated workflow for quality assured sample processing, analysis and digital sample freezing of archived samples (2022) Chemosphere, 309, art. no. 136603, DOI: 10.1016/j.chemosphere.2022.136603
7. Movalli, P., Koschorreck, J., Treu, G., Slobodnik, J., Alygizakis, N., Androulakis, A., Badry, A., Baltag, E., Barbagli, F., Bauer, K., Biesmeijer, K., Borgo, E., Cincinelli, A., Claßen, D., Danielsson, S., Dekker, R.W.R.J., Dietz, R., Eens, M., Espín, S., Eulaers, I., Frahnert, S., Fuiz, T.I., García-Fernández, A.J., Fuchs, J., Gkotsis, G., Glowacka, N., Gómez-Ramírez, P., Grotti, M., Hosner, P.A., Johansson, U., Jaspers, V.L.B., Koureas, D., Krone, O., Kubin, E., Lefevre, C., Leivits, M., Lo Brutto, S., Lopes, R.J., Lourenço, R., Lymberakis, P., Madslien, K., **Martellini, T.**, Mateo, R., Nika, M.-C., Osborn, D., Oswald, P., Pauwels, O., Pereira, M.G., Pezzo, F., Sánchez-Virosta, P., Sarajlić, N., Shore, R.F., Soler, F., Sonne, C., Thomaidis, N., Töpfer, T., Väinölä, R., van den Brink, N., Vrezec, A., Walker, L., Weigl, S., Wernham, C., Woog, F., Zorrilla, I., Duke, G. The role of natural science collections in the biomonitoring of environmental contaminants in apex predators in support of the EU's zero pollution ambition (2022) Environmental Sciences Europe, 34 (1), art. no. 88, . DOI: 10.1186/s12302-022-00670-8
8. Scopetani, C., **Martellini, T.**, Campos, D. Editorial for the Special Issue "Microplastics in Aquatic Environments: Occurrence, Distribution and Effects" (2022) Toxics, 10 (7), art. no. 407, DOI: 10.3390/toxics10070407
9. Santini, S., De Beni, E., **Martellini, T.**, Sarti, C., Randazzo, D., Ciraolo, R., Scopetani, C., Cincinelli, A. Occurrence of Natural and Synthetic Micro-Fibers in the Mediterranean Sea: A Review (2022) Toxics, 10 (7), art. no. 391, . DOI: 10.3390/toxics10070391
10. **Martellini, T.**, Sposato, L., Pucci, S., Meoni, G., Marinelli, C., Tenori, L., Luchinat, C., Giorgi, R., Sarti, C., Cincinelli, A. Influence of in-amphorae vinification on the molecular profile of Sangiovese and Cabernet Franc (2022) Flavour and Fragrance Journal, 37 (4), pp. 219-233. DOI: 10.1002/ffj.3697
11. Rimondi, V., Monnanni, A., De Beni, E., Bicocchi, G., Chelazzi, D., Cincinelli, A., Fratini, S., **Martellini, T.**, Morelli, G., Venturi, S., Lattanzi, P., Costagliola, P. (2022). Occurrence and Quantification of Natural and Microplastic Items in Urban Streams: The Case of Mugnone Creek (Florence, Italy). Toxics 10: 159. Doi:10.3390/toxics100401
12. Scopetani, C., Chelazzi, D., Cincinelli, A., **Martellini, T.**, Leinio, V., Pellinen, J. (2022). Hazardous contaminants in plastics contained in compost and agricultural soil. CHEMOSPHERE, 293, 133645. doi:10.1016/j.chemosphere.2022.133645.
13. De Beni, E., Giurlani, W., Fabbri, L., Emanuele, R., Santini, S., Sarti, C., Martellini, T., Piciollo, E., Cincinelli, A., Innocenti, M. Graphene-based nanomaterials in the electroplating industry: A suitable choice for heavy metal removal from wastewater (2022) Chemosphere, 292, art. no. 133448
14. Androulakis, A., Alygizakis, N., Gkotsis, G., Nika, M.-C., Nikolopoulou, V., Bizani, E., Chadwick, E., Cincinelli, A., Claßen, D., Danielsson, S., Dekker, R.W.R.J., Duke, G., Glowacka, N., Jansman, H.A.H., Krone, O., Martellini, T., Movalli, P., Persson, S., Roos, A., O'Rourke, E., Siebert, U., Treu, G., van den Brink, N.W., Walker, L.A., Deaville, R., Slobodnik, J., Thomaidis, N.S. Determination of 56 per- and polyfluoroalkyl substances in top predators and their prey from Northern Europe by LC-MS/MS (2022) Chemosphere, 287, art. no. 131775, .
15. Cincinelli, A., Scopetani, C., Chelazzi, D., **Martellini, T.**, Pogojeva, M., Slobodnik, J. (2021). Microplastics in the Black Sea sediments. SCIENCE OF THE TOTAL ENVIRONMENT, 760, article number 143898. doi:10.1016/j.scitotenv.2020.143898
16. Scopetani, C., Chelazzi, D., **Martellini, T.**, Pellinen, J., Ugolini, A., Sarti, C., Cincinelli, A. (2021). Occurrence and characterization of microplastic and mesoplastic pollution in the Migliarino San Rossore, Massaciuccoli Nature Park (Italy). Marine Pollution Bulletin, 171, 112712. doi:10.1016/j.marpolbul.2021.112712
17. Guerranti C., Perra G., **Martellini T.**, Giari L., Cincinelli A: (2020) - Knowledge about Microplastic in Mediterranean Tributary River Ecosystems: Lack of Data and Research Needs on Such a Crucial Marine Pollution Source – Journal of Marine Science and Engineering 8, 216 – doi:10.3390/jmse8030216

18. **Martellini T.***, Berlangieri C., Dei L., Carretti E., Santini S., Barone A., Cincinelli A. (2020) – Indoor levels of volatile organic compounds (VOCs) at florentine museums environments in Italy –INDOOR AIR. doi:10.1111/INA.12659 [
19. Corsolini, S., Baroni, D., **Martellini, T.**, Pala, N., Cincinelli A. (2019). PBDEs and PCBs in terrestrial ecosystems of the Victoria Land, Antarctica. CHEMOSPHERE, 231, 233- 239. doi: 10.1016/j.chemosphere.2019.05.126.
20. Giagnoni, L., Maienza, A., Baronti, S., Vaccari, F.P., Genesio, L., Taiti, C., **Martellini, T.**, Scodellini, R., Cincinelli, A., Costa, C., Mancuso, S., Renella, G. (2019). Long-term soil biological fertility, volatile organic compounds and chemical properties in a vineyard soil after biochar amendment. GEODERMA, 344, 127-136. doi:10.1016/j.geoderma.2019.03.011.
21. Movalli, P., Duke, G., Ramello, G., Dekker, R., Vrezec, A., Shore, R.F., Garcia-Fernandez, A., Wernham C., Krone, O., Alygizakis, N., Badry, A., Barbagli, F., Biesmeijer, K., Boano, G., Bond, A.L., Chores, Y., Christensen, J.B., Cincinelli, A., **Martellini T.** et al (2019). Progress on bringing together raptor collections in Europe for contaminant research and monitoring in relation to chemicals regulation. ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 26 (28), 29503-29505. doi: 10.1007/s11356-019-05340-6.
22. Guerranti C., **Martellini T.**, Perra G., Scopetani C., Cincinelli A. (2019). Microplastics in cosmetics: environmental issues and needs for global bans ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, 68, 75-79. Doi: 10.1016/j.etap.2019.03.007
23. Cincinelli A., Guerranti C, **Martellini T**, Scodellini R, (2019). Residential wood combustion and its impact on urban air quality in Europe, Volume 8, Pages 10-14, CURRENT OPINION IN ENVIRONMENTAL SCIENCE & HEALTH. Doi:10.1016/j.coesh.2018.12.007
24. Guerranti C., **Martellini T.**, Fortunati A., Scodellini R., Cincinelli A., (2018), Environmental pollution from plasticiser compounds: do we know enough about atmospheric levels and their contribution to human exposure in Europe? Volume 8, Pages 1-5 ,CURRENT OPINION IN ENVIRONMENTAL SCIENCE & HEALTH. doi:10.1016/j.coesh.2018.10.004
25. **Martellini, T.**, Guerranti, C., Scopetani, C., Ugolini, A., Chelazzi, D., Cincinelli, A., (2018). A snapshot of microplastics in the coastal areas of the Mediterranean Sea. TrAC Trends Anal. Chem. 109, 173–179. doi:10.1016/j.trac.2018.09.028
26. Cincinelli, A., **Martellini, T.**, Guerranti, C., Scopetani, C., Chelazzi, D., Giarrizzo, T., (2018). A potpourri of microplastics in the sea surface and water column of the Mediterranean Sea. TrAC Trends Anal. Chem. doi:10.1016/j.trac.2018.10.026
27. Scopetani, C., Cincinelli, A., **Martellini, T.**, Lombardini, E., Ciofini, A., Fortunati, A., Pasquali, V., Ciattini, S., Ugolini, A., (2018). Ingested microplastic as a two-way transporter for PBDEs in Talitrus saltator. Environ. Res. 167, 411–417. doi:10.1016/j.envres.2018.07.030
28. Guidi Nissim W., Cincinelli A., **Martellini T.**, Alvisi L., Palm E., Mancuso S., Azzarello E., (2018). Phytoremediation of sewage sludge contaminated by trace elements and organic compounds, Environ. Res. 164, 356–366. doi:10.1016/j.envres.2018.03.009.
29. Cincinelli A., **Martellini T.**, (2017) Indoor Air Quality and Health, Int. J. Environ. Res. Public Health. 14, 1286. doi:10.3390/ijerph14111286
30. Maienza A., Baronti S., Cincinelli A., **Martellini T.**, Grisolia A., Miglietta F., Renella G., Stazi S.R., Vaccari F.P., Genesio L., (2017). Biochar improves the fertility of a Mediterranean vineyard without toxic impact on the microbial community, Agron. Sustain. Dev. 37(5), article number 47. doi:10.1007/s13593-017-0458-2.[IF: 4.263; Q1; NC: 4]
31. Corsolini S., Ademollo N., **Martellini T.**, Randazzo D., Vacchi M., Cincinelli A., (2017), Legacy persistent organic pollutants including PBDEs in the trophic web of the Ross Sea (Antarctica), CHEMOSPHERE. 185 699–708. doi:10.1016/j.chemosphere.2017.07.054. [IF: 5.018; Q1; NC: 17]
32. Romanelli S., Bettazzi F., **Martellini T.**, Shelver W.L., Cincinelli A., Galarini R., Palchetti I., (2017). Evaluation of a Quechers-like extraction approach for the determination of PBDEs in mussels by Immuno-assay-based screening methods, TALANTA. doi:10.1016/j.talanta.2017.04.027. [IF: 4.916; Q1; NC: 2]
33. Cincinelli A., Scopetani C., Chelazzi D., Lombardini E., **Martellini T.**, Katsoyiannis A., Fossi M.C., Corsolini S., (2017). Microplastic in the surface waters of the Ross Sea (Antarctica): Occurrence, distribution and characterization by FTIR. CHEMOSPHERE. 175, 391–400. doi:10.1016/j.chemosphere.2017.02.024. [IF: 5.018; Q1; NC: 111]
34. Pozo K., **Martellini T.**, Corsolini S., Harner T., Estellano V., Kukučka P., Mulder M.D., Lammel G., Cincinelli A., (2017). Persistent organic pollutants (POPs) in the atmosphere of coastal areas of the Ross Sea, Antarctica: Indications for long-term downward trends, CHEMOSPHERE. 178, 458–465. doi:10.1016/j.chemosphere.2017.02.118. [IF: 5.018; Q1; NC: 12]
35. Baini M., **Martellini T.**, Cincinelli A., Campani T., Minutoli R., Panti C., Fioia M.G., Fossi M.C., (2017). First detection of seven phthalate esters (PAEs) as plastic tracers in superficial neustonic/planktonic samples and cetacean blubber. ANAL. METHODS. 9, 1512–1520. doi:10.1039/C6AY02674E. [IF: 2.378; Q2; NC: 24]
36. Motas Guzmán M., Clementini C., Pérez-Cárceles M.D., Jiménez Rejón S., Cascone A., **Martellini T.**, Guerranti C., Cincinelli A., (2016). Perfluorinated carboxylic acids in human breast milk from Spain and estimation of infant's daily intake, SCI. TOTAL ENVIRON. 544, 595–600. doi:10.1016/j.scitotenv.2015.11.059.[IF:5.589; Q1; NC: 18]
37. **Martellini T.**, Diletti G., Scortichini G., Lolini M., Lanciotti E., Katsoyiannis A., Cincinelli A., (2016). Occurrence of polybrominated diphenyl ethers (PBDEs) in foodstuffs in Italy and implications for human exposure, FOOD CHEM. TOXICOL. 89, 32–38. doi:10.1016/j.fct.2015.12.026. [IF: 3.775; Q1; NC: 39]
38. Ungherese G., Cincinelli A., **Martellini T.**, Ugolini A., (2016). Biomonitoring of polychlorinated biphenyls contamination in the supralittoral environment using the sandhopper Talitrus saltator (Montagu), CHEM. ECOL. 32, 301–311. doi:10.1080/02757540.2015.1135908.[IF:1.214; Q3; NC: 2]
39. Kamal A., Cincinelli A., **Martellini T.**, Palchetti I., Bettazzi F., Malik R.N., (2016). Health and carcinogenic risk evaluation for cohorts exposed to PAHs in petrochemical workplaces in Rawalpindi city (Pakistan), INT. J. ENVIRON. HEALTH RES. 26, 37–57. doi:10.1080/09603123.2015.1007843. [IF: 1.465; Q3; NC: 8]
40. Kamal A., Cincinelli A., **Martellini T.**, Malik R.N., (2016). Biomarkers of PAH exposure and hematologic effects in subjects exposed to combustion emission during residential (and professional) cooking practices in Pakistan, ENVIRON. SCI. POLLUT. RES. 23, 1284–1299. doi:10.1007/s11356-015-5297-6. [IF: 2.914; Q2; NC: 6]
41. Mattei P., Cincinelli A., **Martellini T.**, Natalini R., Pascale E., Renella G., (2016), Reclamation of river dredged sediments polluted by PAHs by co-composting with green waste, SCI. TOTAL ENVIRON. 566-567 ,567–574. doi:10.1016/j.scitotenv.2016.05.140. [IF: 5.589; Q1; NC: 23]

42. Cincinelli A., **Martellini T.**, Pozo K., Kukučka P., Audy O., Corsolini S., (2016). Trematomus bernacchii as an indicator of POP temporal trend in the Antarctic seawaters, ENVIRON. POLLUT. 217, 19-25, doi:10.1016/j.envpol.2015.12.057. [IF: 5.714; Q1; NC: 15]
43. Kamal A., Cincinelli A., **Martellini T.**, Malik R.N., (2016). Linking mobile source-PAHs and biological effects in traffic police officers and drivers in Rawalpindi (Pakistan), ECOTOXICOL. ENVIRON. SAF. 127, 135–143. doi:10.1016/j.ecoenv.2016.01.006. [IF: 4.527; Q1; NC: 10]
44. Bettazzi F., **Martellini T.**, Shelver W.L., Cincinelli A., Lanciotti E., Palchetti I., (2016). Development of an Electrochemical Immunoassay for the Detection of Polybrominated Diphenyl Ethers (PBDEs), ELECTROANALYSIS, 28, 1817-1823, doi:10.1002/elan.201600127. [IF: 2.691; Q2; NC: 8]
45. Giannoni M., Calzolari G., Chiari M., Cincinelli A., Lucarelli F., **Martellini T.**, Nava S., (2016). A comparison between thermal-optical transmittance elemental carbon measured by different protocols in PM2.5 samples, SCI. TOTAL ENVIRON. 571, 195–205. doi:10.1016/j.scitotenv.2016.07.128. [IF: 5.589; Q1; NC: 10]
46. Pasanisi E., Cortés-Gómez A.A., Pérez-López M., Soler F., Hernández-Moreno D., Guerranti C., **Martellini T.**, Fuentes-Mascorro G., Romero D., Cincinelli A., (2016). Levels of perfluorinated acids (PFCAs) in different tissues of Lepidochelys olivacea sea turtles from the Escobilla beach (Oaxaca, Mexico), SCI. TOTAL ENVIRON. 572, 1059-1065, doi:10.1016/j.scitotenv.2016.08.013. [IF: 5.589; Q1; NC: 0]
47. Cincinelli A., **Martellini T.**, Amore A., Dei L., Marrazza G., Carretti E., Belosi F., Ravegnani F., Leva P., (2016). Measurement of volatile organic compounds (VOCs) in libraries and archives in Florence (Italy), SCI. TOTAL ENVIRON. 572, 333–339. doi:10.1016/j.scitotenv.2016.07.201. [IF: 5.589; Q1; NC: 14]
48. Kamal A., Malik R.N., **Martellini T.**, Cincinelli A., (2015) Exposure to dust-bound PAHs and associated carcinogenic risk in primitive and traditional cooking practices in Pakistan, ENVIRON. SCI. POLLUT. RES. 22, 12644–12654. doi:10.1007/s11356-015-4444-4. [IF: 2.914; Q2; NC: 12]
49. Kamal A., Cincinelli A., **Martellini T.**, Malik R.N., (2015) A review of PAH exposure from the combustion of biomass fuel and their less surveyed effect on the blood parameters, ENVIRON. SCI. POLLUT. RES. 22, 4076–4098. doi:10.1007/s11356-014-3748-0. [IF: 2.914; Q2; NC: 45]
50. Cincinelli A., **Martellini T.**, Coppini E., Fibbi D., Katsoyiannis A., (2015). Nanotechnologies for Removal of Pharmaceuticals and Personal Care Products from Water and Wastewater. A Review, J. NANOSCI. NANOTECHNOL. 15, 3333–3347. doi:10.1166/jnn.2015.10036. [IF: 1.093; Q4; NC: 29]
51. Ugolini A., Cincinelli A., **Martellini T.**, Doumet S., (2015). Salt concentration and solar orientation in two supralittoral sandhoppers: Talitrus saltator (Montagu) and Talorchestia Ugolini Bellan Santini and Ruffo, J. COMP. PHYSIOL. A. 201, 455–460. doi:10.1007/s00359-015-0992-9. [IF: 1.882; Q1; NC: 2]
52. Kamal A., Malik R.N., **Martellini T.**, Cincinelli A., (2015) Source, profile, and carcinogenic risk assessment for cohorts occupationally exposed to dust-bound PAHs in Lahore and Rawalpindi cities (Punjab province, Pakistan), ENVIRON. SCI. POLLUT. RES. 22, 10580–10591. doi:10.1007/s11356-015-4215-2. [IF: 2.914; Q2; NC: 15]
53. Cincinelli A., **Martellini T.**, Vullo D., Supuran C.T., (2015). Anion and sulfonamide inhibition studies of an α -carbonic anhydrase from the Antarctic hemoglobinless fish Chionodraco hamatus, BIOORG. MED. CHEM. LETT. 25, 5485–5489. doi:10.1016/j.bmcl.2015.10.074. [IF: 2.448; Q2; NC: 1]
54. Bettazzi F., Voccia D., **Martellini T.**, Cincinelli A., Palchetti I., (2015) Different enzyme-based strategies for the development of disposable electrochemical biosensors: Application to environmental pollutant monitoring, in: 2015 XVIII AISEM Annu. Conf., IEEE, pp. 1–3. doi:10.1109/AISEM.2015.7066831. [IF: 2.735; Q2; NC: 0]
55. Katsoyiannis A., Anda E.E., Cincinelli A., **Martellini T.**, Leva P., Goetsch A., Sandanger T.M., Huber S., (2014). Indoor air characterization of various microenvironments in the Arctic. The case of Tromsø, Norway. Environ. Res. 134, 1–7. doi:10.1016/j.envres.2014.06.011. [IF: 5.026; Q1; NC: 7]
56. Cincinelli A., Pieri F., **Martellini T.**, Maurizio P., Del Bubba M., Del Vento S., Katsoyiannis A., (2014). Atmospheric Occurrence and Gas-Particle Partitioning of PBDEs in an Industrialised and Urban Area of Florence, Italy, Aerosol Air Qual. Res. doi:10.4209/aaqr.2013.01.0021. [IF: 2.287; Q1; NC: 30]
57. Kamal A., Malik R.N., **Martellini T.**, Cincinelli A., (2014). PAH exposure biomarkers are associated with clinico-chemical changes in the brick kiln workers in Pakistan, SCI. TOTAL ENVIRON. 490, 521–527. doi:10.1016/j.scitotenv.2014.05.033. [IF: 5.589; Q1; NC: 19]
58. Kamal A., Malik R.N., **Martellini T.**, Cincinelli A., (2014). Cancer risk evaluation of brick kiln workers exposed to dust bound PAHs in Punjab province (Pakistan), SCI. TOTAL ENVIRON. 493, 562–570. doi:10.1016/j.scitotenv.2014.05.140. [IF: 5.589; Q1; NC: 50]
59. Pieri F., Katsoyiannis A., **Martellini T.**, Hughes D., Jones K.C., Cincinelli A., Occurrence of linear and cyclic volatile methyl siloxanes in indoor air samples (UK and Italy) and their isotopic characterization, Environ. Int. 59 (2013) 363–371. doi:10.1016/j.envint.2013.06.006. [IF: 7.943; Q1; NC: 48]
60. Giannoni M., **Martellini T.**, Del Bubba M., Gambaro A., Zangrando R., Chiari M., Lepri L., Cincinelli A., (2012) The use of levoglucosan for tracing biomass burning in PM2.5 samples in Tuscany (Italy), ENVIRON. POLLUT. 167, 7–15. doi:10.1016/j.envpol.2012.03.016. [IF: 5.714; Q1; NC: 67]
61. Ugolini A., Perra G., Focardi S., Somigli S., **Martellini T.**, Cincinelli A., (2012). Sandhopper Talitrus saltator (Montagu) as a Bioindicator of Contamination by Polycyclic Aromatic Hydrocarbons, BULL. ENVIRON. CONTAM. TOXICOL. 89, 1272–1276. doi:10.1007/s00128-012-0830-5. [IF: 1.650; Q3; NC: 4]
62. Cincinelli A., **Martellini T.**, Misuri L., Lanciotti E., Sweetman A., Laschi S., Palchetti I., (2012). PBDEs in Italian sewage sludge and environmental risk of using sewage sludge for land application, ENVIRON. POLLUT. 161, 229–234. doi:10.1016/j.envpol.2011.11.001. [IF: 5.714; Q1; NC: 53]
63. **Martellini T.**, Jones K.C., Sweetman A., Giannoni M., Pieri F., Cincinelli A., (2012). The contribution of waste water treatment plants to PBDEs in ambient air, ENVIRON. POLLUT. 169, 242–247. doi:10.1016/j.envpol.2012.04.033. [IF: 5.714; Q1; NC: 26]
64. Ungherese G., Cincinelli A., **Martellini T.**, Ugolini A., (2012). PBDEs in the supralittoral environment: The sandhopper Talitrus saltator (Montagu) as biomonitor? CHEMOSPHERE. 86, 223–227. doi:10.1016/j.chemosphere.2011.09.029. [IF: 5.018; Q1; NC: 13]

65. **Martellini T.**, Giannoni M., Lepri L., Katsoyiannis A., Cincinelli A., (2012) One year intensive PM_{2.5} bound polycyclic aromatic hydrocarbons monitoring in the area of Tuscany, Italy. Concentrations, source understanding and implications, ENVIRON. POLLUT. 164, 252–258. doi:10.1016/j.envpol.2011.12.040. [IF:5.714; Q1; NC: 94]
66. Cincinelli A., **Martellini T.**, Innocenti A., Scozzafava A., Supuran C.T., (2011). Purification and inhibition studies with anions and sulfonamides of an α -carbonic anhydrase from the Antarctic seal *Leptonychotes weddellii*, BIOORG. MED. CHEM. 19, 1847–1851. doi:10.1016/j.bmc.2011.02.015. [IF:2.448; Q2; NC: 7]
67. Stortini A.M., **Martellini T.**, Del Bubba M., Lepri L., Capodaglio G., Cincinelli A., (2009) n-Alkanes, PAHs and surfactants in the sea surface microlayer and sea water samples of the Gerlache Inlet sea (Antarctica), MICROCHEM. J. 92, 37–43. doi:10.1016/j.microc.2008.11.005. [IF:3.206; Q1; NC: 48]
68. Cincinelli A., **Martellini T.**, Del Bubba M., Lepri L., Corsolini S., Borghesi N., King M.D., Dickhut R.M., (2009). Organochlorine pesticide air–water exchange and bioconcentration in krill in the Ross Sea, ENVIRON. POLLUT. 157, 2153–2158. doi:10.1016/j.envpol.2009.02.010. [IF:5.714; Q1; NC: 38]
69. Cincinelli A., **Martellini T.**, Bittoni L., Russo A., Gambaro A., Lepri L., (2008). Natural and anthropogenic hydrocarbons in the water column of the Ross Sea (Antarctica), J. MAR. SYST. 73, 208–220. doi:10.1016/j.jmarsys.2007.10.010. [IF:2.539; Q1; NC: 26]
70. Domine F., Cincinelli A., Bonnaud E., **Martellini T.**, Picaud S., (2007) Adsorption of Phenanthrene on Natural Snow, ENVIRON. SCI. TECHNOL. 41, 6033–6038. doi:10.1021/es0706798. [IF:7.149; Q1; NC: 36]
71. Cincinelli A., Del Bubba M., Martellini T., Gambaro A., Lepri L., (2007). Gas-particle concentration and distribution of n-alkanes and polycyclic aromatic hydrocarbons in the atmosphere of Prato (Italy), CHEMOSPHERE. 68, 472–478. doi:10.1016/j.chemosphere.2006.12.089. [IF:5.018; Q1; ; NC: 121]
72. Cincinelli A., Stortini A.M., Checchini L., **Martellini T.**, Del Bubba M., Lepri L., (2005). Enrichment of organic pollutants in the sea surface microlayer (SML) at Terra Nova Bay, Antarctica: influence of SML on superficial snow composition, J. ENVIRON. MONIT. 7, 1305–1312 doi:10.1039/b507321a. [IF:2.179; Q1; NC: 35]

ISSN Journals

73. **Martellini T.**, Cincinelli A., Bonelli MG, Scodellini R, Manni A (2019) Perfluorinated compounds in wastewaters, surface waters and tap waters in Tuscany (Italy) Organohalogen Compounds Vol. 81, 435–437 ; ISSN 1026-4892
74. Marri A., Præbel K, Baroni D, Cincinelli A **Martellini T.**, Simonetta Corsolini S (2019) Esiste una correlazione tra parametri biologici e contaminazione? Il caso del merluzzo polare nel Parco Nazionale della Groenlandia nord-orientale, Etrurianatura: una finestra sul territorio Anno XIII-2019, 20-30; ISSN-2282-2607
75. Corsolini S., Pala N., **Martellini T.**, Baroni D., Cincinelli A., (2018) PCBs and PBDEs in soil, sediment and moss community from ponds across Victoria Land, Antarctica, Organohalogen Compd. Vol 80, 501-504 ;ISSN 1026-4892
76. Corsolini S., Cincinelli A., **Martellini T.**, Baroni D., Randazzo D., (2016) Have the iceberg b15 affected the pops bioaccumulation in the ross sea? the case of trematomus bernacchii, in: Organohalogen Compd. Vol 78, 1279 – 1282; ISSN 1026-4892
77. Cincinelli A., Giannarelli S, **T. Martellini**, Francesconi S, Muscatello B, Roger F., (2014) Occurrence of legacy and emerging persistent organic pollutants at ross sea and circumpolar deep water convergence (Antarctica), Organohalogen Compd. Vol 76 1423 – 1426; ISSN 1026-4892
78. Pozo K., Corsolini S., Cincinelli A., **Martellini T.**, Harner T., Kukucka P., Klanova J., Barra R., Mulder M D, Lammel G. (2014) Organic pollutants in the atmosphere of two antarctic zones (Antarctic Peninsula and Ross Sea) using passive air samplers (puf disks), Organohalogen Compd. Vol 76 1047 – 1050; ISSN 1026-4892
79. Manni A., Cincinelli A., Misuri L., **Martellini T.**, Palchetti I., Laschi S., Marrazza G, Guerriero E., Lanciotti E (2010) Polybrominated diphenyl ether in sewage sludge in Italy, Organohalogen Compd. Vol.72, 1663 – 1666; ISSN 1026-4892
80. **Martellini T.**, Cincinelli A., Del Bubba M., Misuri L., Laschi S., Giannoni M., Lepri L., (2008) Distribution and Levels of Brominated Diphenyl Ethers in Sewage Sludge in Italy, Organohalogen Compd. Vol.70 2276 – 2279; ISSN 1026-4892
81. **Martellini T.**, Cincinelli A., Del Bubba M., Misuri L., Guerriero E., Saviano G., Piga L., Giancontieri V., Manni A., (2008) Natural zeolites for pbdes removal from municipal wastewater effluents, Organohalogen Compd. Vol.70, 2280–2283; ISSN 1026-4892

Conference papers

82. T. Martellini, A. Cincinelli, S. Scopetani, F. Bettazzi, I. Palchetti, Polybrominated diphenyl ethers (PBDEs) in the environment: Source and Environmental fate, in: M. Chiarini (Ed.), XXXV TUMA, Società Chimica Italiana - Università degli Studi di Teramo, Giulianova (TE), 2016: pp. 66–67.
83. E. Lanciotti, A. Porfido, A. Cincinelli, T. Martellini, R. Capei, C. Lorini, Metodologie di arricchimento microbico per la degradazione di sostanze recalcitranti, in: Salvaguardia Dei Corpi Idrici Dalla Contam. Da Compost. Xenobiotici Nuovi Strum. per L'analisi, Control. Ed Tratt. Nelle Acque Reflue Civili Ed Ind. - Ecomondo, 2010: pp. 1–22.
84. M. Fabio, Conte G, L. Lepri, T. Martellini, M. Del Bubba, Endocrine disrupting chemicals (EDCs) and pathogens removal in an hybrid CW system for a tourist facility wastewater treatment and reuse, in: 9th IWA Int. Conf. Wetl. Syst. Water Pollut. Control. Avignon, Fr., 2004: pp. vol. 2, pp. 461–468, 2004.

Book Chapters

85. A. Cincinelli, T. Martellini, S. Corsolini, Hexachlorocyclohexanes in Arctic and Antarctic Marine Ecosystems, in: Pestic. - Formul. Eff. Fate, InTech, 2011. doi:10.5772/14092.
86. L. Lepri, F. Lucarelli, R. Udisti, T. Martellini, A. Cincinelli, M. Giannoni, F. Pieri, S. Becagli, R. Traversi, F. Rugi, C. Ghedini, G. Calzolari, M. Severi, D. Frosini, Progetto Regionale PATOS, Particolato Atmosferico in Toscana – Il materiale particolato fine PM₁₀, Regione Toscana, 2011.
87. A. Cincinelli, T. Martellini, The Stockholm Convention: Trends of Persistent Organic Pollutants (POPs) in Antarctica, Sea.

157 (2009) 52.

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