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Personal information

First name(s) / Surname(s) **CRISTIANA GUERRANTI**
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E-mail cristianaquerranti@unisi.it cristianaquerranti@alice.it
Nationality Italian
Date of birth May 5 1974
Gender female

Desired employment / Occupational field Research, teaching, dissemination and services relating to environmental quality, food safety and human health

Work experience

Dates December 2011-January 2012
Occupation or position held Episodic research contract
Main activities and responsibilities Processing and interpretation of analytical results of several endocrine disruptors in eel tissue samples.
Name and address of employer Consorzio Ferrara Ricerche, Via Saragat, 1, 4100 Ferrara, Italy
Type of business or sector Research institution
Dates September 2010
Occupation or position held Occasional collaboration
Main activities and responsibilities Lectures as part of the "Intensive multidisciplinary course for post-graduate Palestinian students" (www.unisi.it/0/minisito.html?fid=5150)
Name and address of employer University of Siena, Via Banchi di Sotto, 53100 Siena, Italy
Type of business or sector University
Dates 2009 and 2011
Occupation or position held Occasional collaboration
Main activities and responsibilities Lectures as part of the "Molecular diagnostic methods for food safety" course in the Biotechnology Degree Course at the University of Siena.
Name and address of employer Department of Environmental Sciences "G. Sarfatti" University of Siena, Via Mattioli, 4, 53100 Siena, Italy
Type of business or sector University

Dates	2009
Occupation or position held	Occasional collaboration
Main activities and responsibilities	Lectures as part of the educational project "strengthening the study of science from kindergarten to secondary school".
Name and address of employer	State Educational Direction V Teaching District "Renato Fucini", Via Rovetta, 37, 58100 Grosseto, Italy
Type of business or sector	School
Dates	January 2008 - December 2011
Occupation or position held	Research grant in "Agribusiness area with particular reference to wine and traceability of products"
Main activities and responsibilities	Project coordination and laboratory activities in "Quality and safety of typical Tuscan food products: environmental and microbial contaminants in the PDO products"
Name and address of employer	Department of Environmental Sciences "G. Sarfatti" University of Siena, Via Mattioli, 4, 53100 Siena, Italy
Type of business or sector	University
Dates	2008-2009-2010
Occupation or position held	Occasional collaborations
Main activities and responsibilities	Lectures as part of the "RaS" project (research at school) (http://www.isufof.net/ras09/html/prodotti.htm)
Name and address of employer	Professional Institute for Commercial, Turistic, Graphic, Hotel and Social Services "L. Einaudi", Piazza De Maria, 31 58100, Grosseto, Italy
Type of business or sector	School
Dates	2007
Occupation or position held	Project cooperation agreement
Main activities and responsibilities	Chemical analysis
Name and address of employer	Department of Environmental Sciences "G. Sarfatti" University of Siena, Via Mattioli, 4, 53100 Siena, Italy
Type of business or sector	University
Dates	2007
Occupation or position held	Episodic research contract
Main activities and responsibilities	Coordinating investigations in chemistry, molecular and enzymatic activity in order to assess the potential role of the system of mixed function monooxygenase cytochrome P450 in detoxification
Name and address of employer	Department of Environmental Sciences "G. Sarfatti" University of Siena, Via Mattioli, 4, 53100 Siena, Italy
Type of business or sector	University
Dates	June 2006-May 2007
Occupation or position held	Project cooperation agreement
Main activities and responsibilities	Consults on projects SIOSED ("Experimental determination of the effects of the reuse of the most widespread sediments of the Lagoon") and HICSÉD ("integration of knowledge on the effects of handling and reuse of sediments of the Lagoon")
Name and address of employer	Venezia Nuova Consortium, San Marco, 2803 – 30124, Venezia, Italy
Type of business or sector	Consortium for the implementation of interventions to safeguard Venice and the lagoon for the Ministry of Infrastructure-Venice Water Authority
Dates	2006
Occupation or position held	Project cooperation agreement
Main activities and responsibilities	Consults and analysis of PCBs and PAHs in sediments and organisms from Venice Lagoon, commissioned by Thetis S.p.a., Venice.
Name and address of employer	Interuniversity Consortium for Marine Studies (Conisma), Via Isonzo, 32 -00198 Rome, Italy
Type of business or sector	Interuniversity Consortium
Dates	2006
Occupation or position held	Project cooperation agreement

Main activities and responsibilities	Chemical analysis for the characterization of the lands of the seabed at the North Yard of Torrovaldaliga (Civitavecchia) commissioned by Naval Service srl. at the Department of Environmental Sciences "G. Sarfatti" University of Siena
Name and address of employer	Interuniversity Consortium for Marine Studies (Conisma), Via Isonzo, 32 -00198 Rome, Italy
Type of business or sector	Interuniversity Consortium
Dates	2006
Occupation or position held	Occasional collaboration
Main activities and responsibilities	Lectures as part of the educational project "Toxicological risk through consumption of fish products, aquaculture against fisheries " within the ARUM project funded by the Province of Grosseto, Italy
Name and address of employer	Professional Institute for Commercial, Turistic, Graphic, Hotel and Social Services "L. Einaudi", Piazza De Maria, 31 58100, Grosseto, Italy
Type of business or sector	School
Dates	2006
Occupation or position held	Occasional collaboration
Main activities and responsibilities	Lectures as part of an IFTS (advanced technical education and training) course for "Technicians Specialised in monitoring and traceability of agricultural and food products"
Name and address of employer	Cescot, Via Pieroni, 26 – 57123, Livorno, Italy
Type of business or sector	Training Agency
Dates	2006
Occupation or position held	Occasional collaboration
Main activities and responsibilities	Lectures as part of the Vocational Module for "Technicians specialised in safety and promotion of typical agri-food products", University of Siena."
Name and address of employer	University of Siena, Via Banchi di Sotto, 55, 53100 Siena, Italy
Type of business or sector	University
Dates	2005
Occupation or position held	Project cooperation agreement
Main activities and responsibilities	Consults and analysis Department of Environmental Sciences "G. Sarfatti" University of Siena within the research project "Water as a working tool -MOMA" (www.progettomoma.com)
Name and address of employer	Interuniversity Consortium for Marine Studies (Conisma), Via Isonzo, 32 -00198 Rome, Italy
Type of business or sector	Interuniversity Consortium
Dates	2005-2006
Occupation or position held	Occasional collaboration
Main activities and responsibilities	Lectures on chemical contamination of foods as part of an IFTS (advanced technical education and training) course (Registration no GR20050044) for "Technicians Specialised in the Transformation of Agro-Industrial Products"
Name and address of employer	IAL Toscana, Via della Pace n°132 – 58100 Grosseto, Italy
Type of business or sector	Training Agency
Dates	2005
Occupation or position held	Consults and analysis within a monitoring of Ichthyophagi birds and monitoring of Posidonia oceanica in Grosseto coast, at the Department of Environmental Sciences "G. Sarfatti" University of Siena
Main activities and responsibilities	Occasional collaboration
Name and address of employer	University of Siena, Polo Universitario Grossetano, via Ginori, 43 - 58100 Grosseto, Italy
Type of business or sector	University
Dates	2004
Occupation or position held	Occasional collaboration
Main activities and responsibilities	Consults and chemical analysis within a characterization of the marine coastal environment facing Brindisi, subject to dredging and piers projects, at the Department of Environmental Sciences "G. Sarfatti" University of Siena

Name and address of employer Interuniversity Consortium for Marine Studies(Conisma), Via Isonzo, 32 -00198 Rome, Italy
 Type of business or sector Interuniversity Consortium
 Dates 2000-2001
 Occupation or position held Temporary employee contract
 Main activities and responsibilities Consults and chemical analysis
 Name and address of employer Department of Environmental Sciences "G. Sarfatti" University of Siena, Via Mattioli, 4, 53100 Siena, Italy
 Type of business or sector University

Education and training

Dates 2002-2007
 Title of qualification awarded PhD
 Principal subjects/occupational skills covered Ecotoxicology ("Survey on the presence of organohalogen compounds in food and diet of the population of the Sienese area" PhD thesis in Italian) (grade awarded: excellent)
 Name and type of organisation providing education and training Doctorate School in Sciences and Technologies Applied to the Environment of the University of Siena, Italy
 Dates 2001
 Title of qualification awarded *Qualification for the practice of the profession of biologist*
 Principal subjects/occupational skills covered Ecology, ecotoxicology, analysis and monitoring techniques
 Name and type of organisation providing education and training Department of Environmental Sciences "G. Sarfatti" University of Siena
 Department of Pathophysiology and Experimental Medicine, University of Siena
 Dates 2000
 Title of qualification awarded Degree of Biological Sciences at the University of Siena with the mark of 110/110 cum laude (Endocrine modulators in humans: study of the presence of organochlorines in fat and oestrogen-sensitive tissues. Thesis in Italian)
 Principal subjects/occupational skills covered Ecology, ecotoxicology, analysis and monitoring techniques
 Name and type of organisation providing education and training University of Siena

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s)

Self-assessment

European level ()*

Language

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
en	C1	C2	B2	B2	C2

(*) *Common European Framework of Reference for Languages*

Social skills and competences Strong propensity to communication, mediation, interpersonal relationships and teamwork. Flexibility and excellent ability to adapt to change.

Organisational skills and competences	<p>Considerable skills of coordination, organization and management of critical issues and conflicts. Propensione to a multi-disciplinary work.</p> <p>Activities that can be related to organization and coordination of research, teaching or dissemination activities:</p> <ul style="list-style-type: none"> - Purchasing Manager, from 2001 to 2003, for the research group of belonging, under the ISO 9000 certification. - Helping to conceive and programming module for the new university degrees "Analysis of genetic and traceability of food" for the job profile "Technical expert on security and development of traditional agricultural food production." - Member of the Working Group for drafting the self-evaluation report of joint degree programs in Environmental Science and Natural Science to the achievement of accreditation of quality of Undergraduate Courses according to CRUI (The Conference of Italian University Rectors) (2006). - Member of the organizing committee of the XXXVII Congress of the Italian Society of Marine Biology, Grosseto, Italy, June 5-10 2006. <p>Member of the organizing committee of the III Lagunet (Italian Network for lagoon research) Congress, Orbetello (GR), Italy, October 1-4 2009.</p>
Technical skills and competences	<p>Chromatographic techniques: high pressure liquid chromatography (HPLC) and gaschromatography (GC) with different detection systems. Applications of the main analytical techniques coupled with mass spectrometry, including, GC/MS and LC/MS; interpretation of mass spectra. Application of analytical techniques for purification of real samples, accelerated solvent extractor (ASE) and sample preparation systems "Power Prep" and "Dioxin Prep". Environmental sampling techniques, learned in the field, with participation in numerous sampling campaigns of bioindicator organisms, soils, marine sediments and air.</p> <p>Extensive experience and considerable skill in preparing technical reports.</p> <p>The main theoretical skills in science concern the contamination by organic pollutants in biological and abiotic matrices and in foodstuffs. Particular attention in this regard has been paid to issues of food contamination and human health, deepened by a number of perspectives, ranging from the most effective techniques of analysis, the study of the dynamics of contamination and effects of pollutants, to the legislation issues.</p>
Computer skills and competences	Excellent knowledge of Windows systems, excellent ability to surf the web and manage e-mail.
Artistic skills and competences	
Other skills and competences	Sport diver (patent diving PADI Open Water Diver).
Driving licence	Driving licence category B
Additional information	From 2003, member of the Interdepartmental Center for Food Safety (CRISA); from 2011, member of the editorial board of <i>Journal of Food Science and Engineering</i> .
Annexes	<p>Annex A: Scientific papers</p> <p>Annex B: Congresses contributions</p> <p>Annex C: Teaching experiences</p>

Annex A: Scientific papers

1. Mariottini, M., **Guerranti, C.**, Aurigi, S., Corsi, I., Focardi, S. "Pesticides and Polychlorinated Biphenyls residues in human adipose tissue". *Bulletin of environmental contamination and toxicology*, 2002, **68**: 72-78. (I.F.: 1.139).
2. Corsolini, S., Ademollo, N., Mariottini, M., Fossi, S., **Guerranti, C.**, Perra, G., Duhamel, G., Focardi, S., 2002 "Polychlorinated biphenyls, polychlorinated-dibenzodioxin and -dibenzofurans in mackerel icefish and marbled rock cod from the Kerguelen Islands (Antartica)". *Organohalogen Compounds*, **57**: 161-164.
3. Renzi, M., Lenzi, M., Franchi, E., Volterrani, M., Perra, G., **Guerranti, C.**, Focardi, S., 2006. "Sviluppo di criteri previsionali di compatibilità delle fanerogame con le caratteristiche chimico-fisiche del sedimento". *Biologia Marina Mediterranea*, **13**(2): 96-97.
4. Perra, G., **Guerranti, C.**, Baroni, D., Benincasa, T., Greco, S., 2006. "Distribuzione di contaminanti nei sedimenti marini superficiali dell'area di Capo Vaticano (Calabria, Italia)". *Biologia Marina Mediterranea*, **13**(2): 248-249.
5. **Guerranti, C.**, Perra, G., Bisogno, I., Focardi, S., 2006. "Contaminanti emergenti in *Xiphias gladius* dell'area tirrenica". *Biologia Marina Mediterranea*, **13**(2): 336-337.
6. Mariottini, M., Renzi, M., Ruta, M., Cellini, E., **Guerranti, C.**, Focardi, S., 2007. "An assessment of contamination status of surficial sediments in a flooded coastal area, Vibo Marina (southern Italy)". *Organohalogen Compounds*, **69**: 1622-1625.
7. **Guerranti, C.**, Perra, G., Renzi, M., Focardi, S., Focardi, S., 2008. "Chlorinated contaminants in extra virgin olive oil from Central Italy". *Journal of Food Lipids*, **15**(2): 190-197. (I.F.: 1.07).
8. Corsolini, S., **Guerranti, C.**, Perra, G., Focardi, S., 2008. "Polybrominated diphenyl ethers, perfluorinated compounds and chlorinated pesticides in swordfish (*Xiphias gladius*) from the Mediterranean Sea". *Environmental Science & Technology*, **42**: 4344-4349. (I.F.: 4.825).
9. Ruta, M., Pepi, M., Franchi, E., Renzi, M., Volterrani, M., Perra, G., **Guerranti, C.**, Zanini, A., Focardi, S.E., 2009. "Morpho-sedimentologic study and levels of contamination in the Oliveri-Tindari Lagoon, Italy". *Chemistry and Ecology*, **25**(1): 27-38. (I.F.: 0.776).
10. Renzi, M., Perra, G., **Guerranti, C.**, Franchi, E., Focardi, S., 2009. "Abatement efficiency of municipal wastewater treatment plants using different technologies (Orbetello Lagoon, Italy)". *International Journal of Environment and Health*, **3**(1): 58-70.
11. **Guerranti, C.**, Mariottini, M., Focardi, S.E., 2008. "Dietary exposure to PBDEs and levels in breast milk of women living in central Italy". *Organohalogen Compounds*, **70**.
12. Mariottini, M., Pozo, K., Bolados, A., Barra, R., **Guerranti, C.**, Corsolini, S. Focardi, S.E., 2008. "POPs in human breast cancer adipose tissue from Central Chile". *Organohalogen Compounds*, **70**: 1756-1759.
13. Governini, L., **Guerranti, C.**, Focardi, S., Cuppone, A.M., Stendardi, A., De Leo, V., Piomboni, P., 2009. "Impact of environmental exposure to perfluorinated compounds on sperm DNA quality". *System Biology in Reproductive Medicine*, **2**: 41-55. (I.F.: 1.467).
14. Renzi, M., Perra, G., **Guerranti, C.**, Mariottini, M., Baroni, D., Volterrani, M., Graziosi, M., Specchiulli, A., Focardi, S., 2009. "Assessment of environmental pollutants in ten southern Italy harbours sediments". *Toxicology and Industrial Health*, **25** (4-5): 351-363. (I.F.: 0.913).
15. **Guerranti, C.**, Cetta, F., **Perra, G.**, Moroni, A., Di Felice, R., Focardi, S., Sorbellini, F., Azzara, A., Cisternino, F., Dhama, A., Malagnino, G., Moltoni, L., Focardi, S., 2009. "Polycyclic aromatic hydrocarbon (PAH) levels in various food components and in human adipose tissue. A comparison with PAH values in the atmosphere." *GIMT - Giornale Italiano delle Malattie del Torace*, **63**(6): 397-404.
16. Renzi, M., Perra, G., Lobianco, A., Mari, E., **Guerranti, C.**, Focardi, S., Pepi, M., Focardi, S.E., 2010. "Environmental quality assessment of the marine reserves of the Tuscan Archipelago, central Tyrrhenian Sea (Italy)". *Chemistry and Ecology*, **26**: 299-317. (I.F.: 0.776).
17. Perra, G., Fanello, E., **Guerranti, C.**, Focardi, S.E., Andaloro, F., Romeo, T., 2010. "Preliminary screening of perfluorooctane sulphonate (PFOS) and perfluorooctanic acid (PFOA) in fish (*Serranus cabrilla*) from the coast of Sicily (Southern Tyrrhenian Sea)". *Biologia Marina Mediterranea*, **17**:128-129.
18. Perra, G., Renzi, M., **Guerranti, C.**, Focardi, S.E., 2010. "Polycyclic aromatic hydrocarbons pollution in sediments: distribution and sources in a lagoon system (Orbetello, Central Italy)". *Transitional Waters Bulletin* **38**(1): 45-58.
19. Corsi, I., Tabaku, A., Nuro, A., Beqiraj, S., Marku, E., Perra, G., Tafaj, L., Baroni, D., Bocari, D., **Guerranti, C.**, Cullaj, A., Mariottini, M., Shundi, L., Volpi, V., Zucchi, S., Pastore, A.M., Iacocca, A., Trisciani, A., Graziosi, M., Piccinetti, M., Benincasa, T., Focardi, S., 2010.

"Ecotoxicological assessment of Vlora Bay (Albania) by a biomonitoring study using an integrated approach of sublethal toxicological effects and contaminant levels in bioindicator species." *Coastal Research* **58**: 116-120.

20. Renzi, M., Perra, G., Lobianco, A., Mari, E., **Guerranti, C.**, Specchiulli, A., Pepi, M., Focardi, S.E., 2010. "Environmental quality assessment of the marine reserves of the Tuscan Archipelago, Central Tyrrhenian Sea (Italy)." *Chemistry and Ecology*, **26**(S1): 299-317. (I.F.: 0.776).
21. Perra, G., Pozo, K., **Guerranti, C.**, Lazzeri, D., Volpi, V., Corsolini, S., Focardi, S., 2011. "Levels and spatial distribution of polycyclic aromatic hydrocarbons (PAHs) in superficial sediment from fifteen 15 Italian Marine Protected Areas (MPA)." *Marine Pollution Bulletin*, **62**(4): 874-877. (I.F.: 2.359).
22. **Guerranti, C.**, Palmieri, M., Mariottini, M., Focardi, S.E., 2011. "Persistent organic pollutants in human milk from central Italy: levels and time trends." *ISRN Toxicology*, **2011**, article ID 107514, 6 pages.
23. **Guerranti, C.**, Focardi, S.E., 2011. "Differences in POP levels between conventional and omega-3 fatty acid-enriched milk and dairy products." *ISRN Toxicology*, **2011**, article ID 541694, 7 pages.
24. Andaloro, F., Romeo, T., Renzi, M., **Guerranti, C.**, Perra, G., Consoli, P., Perzia, P., Focardi, S.E., 2011. Alteration of potential harmful elements levels in sediments and biota from the Aeolian Archipelago (Italy) following an episode of intense volcanic activity. *Environmental Monitoring and Assessment*, (in press). (I.F.: 1.436).
25. La Rocca, C., Alessi, E., Bergamasco, B., Caserta, D., Ciardo, F., Fanello, E., Focardi, S., **Guerranti, C.**, Moscarini, M., Perra, G., Tait, S., Zaghi, C., Mantovani, A., 2011. Exposure and effective dose biomarkers for PFOS/PFOA in infertile subjects: preliminary results of the PREVIENI project. *International Journal of Hygiene and Environmental Health*, (in press). (I.F.: 2.886).
26. Renzi, M., Romeo, T., **Guerranti, C.**, Perra, G., Italiano, F., Focardi, S.E., Esposito, V., Andaloro, F., 2011. Temporal trends and matrix-dependent behaviors of trace elements closed to a geothermal hot-spot source (Aeolian Archipelago, Italy). *Procedia Earth and Planetary Science*, **4**: 10-28.
27. **Guerranti, C.**, Perra, G., Corsolini, S., Focardi, SE, 2011. Preliminary results on levels of perfluorinated compounds in human milk samples from Central Italy. *Organohalogen Compounds* **73**: 957-959.
28. **Guerranti, C.**, Perra, G., Fanello, E.L., Renzi, M., Giovani, A., Focardi, S.E., 2011. Quality and safety of food products from southern Tuscany (Central Italy): preliminary results on levels of endocrine disruptors in food from short food supply chains. *Organohalogen Compounds* **73**: 84-87.
29. Governini, L., Orvieto, R., **Guerranti, C.**, Gambera, L., De Leo, V., Piomboni, P., 2011. "The impact of environmental exposure to perfluorinated compounds on oocyte fertilization capacity." *Journal of Assisted Reproduction and Genetics* **28**(5): 415-418. (I.F.: 1.253).

Anex B: Congresses contributions

1. Focardi, S.E., Ademollo, N., **Guerranti, C.**, Fossi, S., Perra, G., Bartolini, M., Mariottini, M., Corsolini, S., Pelusi, P., 2002. "Polychlorinated-naphthalenes, -biphenyls, -dibenzo-p-dioxins and -dibenzofurans in commercial seafood species in Italy". [in Italian] *Proceedings of 11th National Congress of the Italian Ecology Society (S.It.E.)*, September 12-14 2001, Sabaudia, Latina, Italy, pp 108.
2. Focardi, S.E., **Guerranti, C.**, Romeo, T., Fossi, S., Ademollo, N., Mariottini, M., Perra, G., Corsolini, S., 2002. "Dioxin and dioxin-like compounds in commercial seafood species in Italy: dietary risks in humans". *Proceedings of 4th Mediterranean Basin Conference in Analytical Chemistry (MBCAC IV)*, September 15-20 2002, Portorož, Slovenia, pp 46.
3. **Guerranti, C.**, Perra, G., Fossi, S., Ademollo, N., Mariottini, M., Corsolini, S., Focardi, S., 2003 "Environmental quality and food safety in aquaculture". *Proceedings of the International Workshop "Sustainable Aquaculture: Animal Welfare, Human Health and Interactions with the Environment"*, March 30-April 12 2003, Siena, Italy, p 12.
4. **Guerranti, C.**, Mariottini, M., Corsi, I., Focardi, S.E., 2003. "Environmental endocrine disruptors in sex hormone sensitive human tissues and adipose tissue". *Proceedings of SETAC Europe 13th Annual Meeting*, April 27- May 1 2003, Hamburg, Germany, pp 202.
5. Perra, G., Pozo Gallardo, K., Balocchi, C., **Guerranti, C.**, Lazzeri, D., Lancini, L., Fossi, S., Ademollo, N., Caruso, T., Corsolini, Focardi, S.E., 2003. "Levels of PCBs, PAHs and heavy metals in surface sediments of 15 Italian Marine Protected Areas". [in Italian] *Proceedings of 34th Congress of The Italian Society of Marine Biology (S.I.B.M.)*, May 31- June 7 2003, Port El Kantaoui – Sousse, Tunisia, pp 155.
6. **Guerranti, C.**, Perra, G., Tozzuoli, D., Ademollo, N., Focardi, S.E., 2003. "Survey on contamination of italian diet food constituents by organochlorine compounds and polycyclic aromatic hydrocarbons". [in Italian] *Proceedings of 5th National Congress of Food Chemistry*, June 9-12, 2003, Parma, Italy, pp 268.
7. Fossi, S., Iacocca, A., Lancini, L., Bonacci, S., Florio, G., Perra, G., Caruso, T., **Guerranti, C.**, Corsolini, S., Corsi, I., Focardi, S.E., 2003. "Assessment of the environmental quality of the Egadi Islands marine protected area; use of *Coris julis*, *Paracentrotus lividus* and *Patella coerulea* as bioindicators". [in Italian] *13th National Congress of the Italian Ecology Society (S.It.E.)*, September 8-10 2003, Como, Italy, pp 68.
8. Focardi, S.E., Balocchi, C., Bonacci, S., Caruso, T., Corsi, I., Corsolini, S., Florio, G., Fossi, S., **Guerranti, C.**, Iacocca, A., Lancini, L., Perra, G., Pozo-Gallardo, K., 2003. "Validation of an integrated approach for the environmental quality assessment in the Egadi Islands Marine Protected Area; a preliminary field study". *Proceedings of 38th European Marine Biology Symposium (EMBS)*, September 8-12 2003, Aveiro, Portugal, pp 197.
9. Perra, G., **Guerranti, C.**, Focardi, S.E., 2004. "Bioaccumulation of polychlorinated biphenyls and polycyclic aromatic hydrocarbons in samples of *Coris julis* from 5 Italian marine protected areas". [in Italian] *Proceedings of 14th National Congress of the Italian Ecology Society (S.It.E.)*, October 4-6 2004, Siena, Italy, pp 81.
10. **Guerranti C.**, Balocchi C., Focardi S.E., 2005. "Trace metal contents in food items from central Italy". *Proceedings of SETAC Europe 15th Annual Meeting*, May 22 – 26 2005, Lille, France, pp 376.
11. Perra, G., **Guerranti C.**, Focardi, S.E., 2005. "Organochlorine compounds in extra-virgin olive oil from Central Italy". *Proceedings of SETAC Europe 15th Annual Meeting*, May 22 – 26 2005, Lille, France, pp 376.
12. Corsolini S., **Guerranti C.**, Focardi S.E., 2005. "Dioxins and dioxin-like compounds in food products". *Proceedings of 5th Mediterranean Basin Conference on Analytical Chemistry (V MBCAC)*, May 24-28 2005, Silvi Marina (TE), Italy, pp 84.
13. Perra, G., **Guerranti, C.**, Bennati, G., Focardi, S.E., 2005. "Polycyclic aromatic hydrocarbons and organohalogen compounds in surficial marine sediments of the "Capo Carbonara (South-eastern Sardinia) marine protected area". [in Italian] *Proceedings of 15th National Congress of the Italian Ecology Society (S.It.E.)*, September 12-14 2005, Turin, Italy, pp 125.
14. **Guerranti, C.**, Perra, G., Bisogno, I., Focardi, S.E., 2005. "Polybromodiphenyl ethers in the Tyrrhenian area *Xiphias gladius*". [in Italian] *Proceedings of 15th National Congress of the Italian Ecology Society (S.It.E.)*, September 12-14 2005, Turin, Italy, pp 125.
15. Focardi, S.E., **Guerranti, C.**, Perra, G., Baroni, D., Bisogno, I., Benincasa, T., Bianchini, A., Schiavone, A., Ademollo, N., Borghini, F., 2005. "Levels of environmental pollutants in human blood and serum from Italy". *Proceedings of 13th Hungarian-Italian Symposium on Spectrochemistry: environmental pollution and human health*, October 23-27 2005, Pécs, Hungary, pp 65.
16. Perra, G., **Guerranti, C.**, Caprioli, A., Focardi, S.E., 2006. "Polycyclic aromatic hydrocarbons assessment in the sediments of the Egadi Islands marine protected area (NW Strait of Sicily, Italy)". [in Italian] *Proceedings of 17th Congress of Oceanology and Limnology Italian Association*, July 3-7 2006, Naples, Italy, pp 118.
17. **Guerranti, C.**, Perra, G., Focardi, S.E., Giordano, P., Silvestri, C., Cerioni, S., 2006. "Bioaccumulation of polychlorinated biphenyls and polycyclic aromatic hydrocarbons in samples of *Mullus barbatus* and *Engraulis encrasicolus* from 3 italian fishing areas". [in Italian] *16th National Congress of the Italian Ecology Society*, 19-22 September 2006, Viterbo-Civitavecchia, Italy, pp 115.
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19. Ruta, M., Franchi, E., Pepi, M., Renzi, M., Volterrani, M., **Guerranti, C.**, Perra, G., Focardi, S.E., Zanini, A., 2006. "Morpho-sedimentologic study and levels of contamination of coastal lakes of Marinello (Gulf of Patti, north-eastern Sicily)". [in Italian] *Proceedings of 5th National Conference of the National Interuniversity Consortium for Science of the Sea*, November 14-18 2006, Viareggio November 14-18 2006, Viareggio (LU), Italy, pp 144.

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Annex C: Teaching experiences

In the academic years 2000-2001, 2001-2002, 2002-2003, 2003-2004 and 2004-2005 taught Introduction to Biology as part of the Ecology course in the Degree Course in Environmental Economics at the University of Siena.

2005-2006. Theoretical lessons on chemical contamination of foods as part of an IFTS (advanced technical education and training) course (Registration no GR20050044) for "Technicians Specialised in the Transformation of Agro-Industrial Products" run by IAL Toscana, Grosseto, Italy.

2006. Theoretical and practical lessons as part of the Vocational Module for "Technicians Specialised in safety and promotion of typical agri-food products", University of Siena.

2006. Theoretical and practical lessons as part of the programme "Toxicological risk from the consumption of fish products: aquaculture versus fishing", as part of the Humid Areas (ARUM) project funded by the Province of Grosseto (Italy).

2006. Theoretical and practical lessons as part of an IFTS (advanced technical education and training) course for "Technicians Specialised in monitoring and traceability of agricultural and food products", financed by the EU (via the Region of Tuscany and Province of Livorno) and promoted by CESCOT, Livorno, Italy.

2008, 2009 and 2010. Theoretical and practical lessons as part of the RaS (research at school) project (<http://www.isufol.net/ras09/html/prodotti.htm>) at the Professional Institute for Commercial, Turistic, Graphic, Hotel and Social Services "L. Einaudi" of Grosseto (Italy).

2009. Theoretical and practical lessons as part of the "Molecular diagnostic methods for food safety" course in the Biotechnology Degree Course at the University of Siena.

2009. Theoretical and practical lessons at the State Educational Direction V Teaching District "Renato Fucini" of Grosseto (Italy) as part of the project "strengthening the study of science from kindergarten to secondary school".

2010. Theoretical lessons as part of the "Intensive multidisciplinary course for post-graduate Palestinian students" University of Siena, Italy (www.unisi.it/0/minisito.html?fld=5150)

Theoretical and practical teaching of numerous graduating students, as co-supervisor of the following degree thesis:

- *Polychlorobiphenyls (PCBs) and polycyclic aromatic hydrocarbons (PAHs) in superficial marine sediments and in the bio-indicator *Coris julis* in the marine protected areas Porto Cesareo and Torre Guaceto* [in Italian](Degree in Biology, 2003-2004);
- *Polycyclic aromatic hydrocarbons and organohalogenated compounds in superficial marine sediments in the "Capo Carbonara" marine protected area (south-eastern Sardinia)* [in Italian] (degree in Natural Sciences, 2004-2005);
- *Study of the presence of organohalogenated compounds in samples of maternal milk* [in Italian] (Degree in Biology, 2005-2006);
- *Perfluorinated compounds in blood and serum samples from women with endometriosis* [in Italian] (degree in Environmental Sciences, 2005-2006);
- *Polycyclic aromatic hydrocarbons and colorectal cancer: preliminary data on the links between levels and distribution of PAHs in human tissues and the presence of the disease* [in Italian] (degree in Environmental Sciences, 2005-2006).
- *Assessment of the effects of environmental contamination by perfluorinated compounds on human fertility* [in Italian] (degree in Biotechnology for human health, 2007-2008).
- *Presence and levels of perfluorinated compounds in human milk samples* [in Italian] (degree in Environmental Sciences, 2008-2009).
- *Effects of environmental pollution on food quality: levels and time trend of mercury contamination in sienese people diet* [in Italian] (degree in Biodiversity, Ecology and Evolution, 2009-2010).
- *Levels of phthalates in breast milk samples of the Sienese* [in Italian] (degree in Technology and Analysis of Ecotoxicological Impacts, 2010-2011)