

BIOGRAPHY

February 8, 2013



Title and name

Dr. Alessandro DI DOMENICO

Nationality

Italian

Panel

CEF - Food contact materials, enzymes, flavourings and processing aids.

Education

University degree in Chemistry in 1966, granted magna cum laude by the University of Rome "La Sapienza", Italy.

University training in inorganic analytical chemistry and physical-chemistry.

Postdoctoral fellow at the Department of Chemistry, Rice University, Houston, Texas, for time-of-flight (TOF) mass spectrometry studies on negative ion-molecule reactions and for photoelectron spectroscopy studies (October 1969 through December 1971 and November 1974 through February 1976).

Postdoctoral fellow in a NATO/CCMS Pilot Study co-ordinated by US EPA on "Remedial Action Technologies for Contaminated Land and Groundwater" (July 1988 to November 1992).

Scientific and risk assessment experience

EU/EC-related: member of SCF Panel "Task force on Dioxins" and of SCCNFP Panel. OECD-related: member of Advisory Group on Risk Management, of Risk Assessment Advisory Body, and of Risk Assessment Network, and Italian National Coordinator for OECD TGP. EFSA-related: since 2003, for nine years, member of the Panel on "Contaminants in the Food Chain".

- Environmental impact evaluation of chemicals.
 - Human exposure assessment and exposure biomarkers.
 - Persistent toxic substances and persistent organic pollutants.
 - Micro-analytical methods.
 - Physical-chemistry and chemical kinetics.
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Main scientific publications

Over 210 peer-reviewed/international scientific articles and over 100 technical and scientific reports, mainly dealing with exposure and risk assessment of persistent organic chemicals, chemical impact evaluation, chemical monitoring and bio-monitoring, and human dietary exposure.

Abballe, A., Barbieri, P.G., di Domenico, A., Garattini, S., Iacovella, N., Ingelido, A.M., Marra, V., Miniero, R., Valentini, S., and De Felip, E. (2013). Occupational exposure to PCDDs, PCDFs, and PCBs of metallurgical workers in some industrial plants of the Brescia area, northern Italy. *Chemosphere*, 90, 49–56.

Menichini, E., Abate, V., Attias, L., De Luca, S., di Domenico, A., Fochi, I., Forte, G., Iacovella, N., Iamiceli, A.L., Izzo, P., Merli, F., and Bocca, B. (2011). Artificial-turf playing fields: Contents of metals, PAHs, PCBs, PCDDs and PCDFs, inhalation exposure to PAHs and related preliminary risk assessment. *The Science of the Total Environment*, 409, 4950–4957.

Miniero, R., Brambilla, G., Chiaravalle, E., Mangiacotti, M., Brizzi, G., Ingelido, A.M., Abate, V., Cascone, V., Ferri, F., Iacovella, N., and di Domenico, A. (2011). Chemometric data analysis application to *Sparus aurata* samples from two offshore farming plants along the Apulian (Italy) coastline. *Chemosphere*, 85, 465–472.

Iamiceli, A.L., Fochi, I., Brambilla, G., and di Domenico, A. (2011). Determination of persistent organic pollutants in meat. In: *Safety Analysis of Foods of Animal Origin*, Chapter 11, pp. 349–398. Nollet, L.M.L., and Toldrá, F., Eds. (CRC Press).

Brambilla, G., De Filippis, S.P., Iamiceli, A.L., Iacovella, N., Abate, V., Aronica, V., Di Marco, V., and di Domenico, A. (2011). Bioaccumulation of dioxin-like substances and selected brominated flame retardant congeners in the fat and livers of black pigs farmed within the Nebrodi regional park of Sicily. *Journal of Food Protection*, 74, 261–269.

Brambilla, G., Iamiceli, A., and di Domenico, A. (2009). Priority environmental chemical contaminants in meat. In: *Safety of Meat and Processed Meat*, Chapter 15, pp. 391–424. Toldrá F., Ed. (Springer).

Brambilla, G., Fochi, I., De Filippis, S.P., Iacovella, N., and di Domenico, A. (2009). Pentachlorophenol, polychlorodibenzodioxin, and polychlorodibenzofuran in eggs from hens exposed to contaminated wood shavings. *Food Additives and Contaminants*, 26, 258–264.

Fattore, E., Fanelli, R., Dellatte, E., Turrin, A., and di Domenico, A. (2008). Assessment of the dietary exposure to non-dioxin-like PCBs of the Italian general population. *Chemosphere*, 73, S278–S283.

Brambilla, G., Dellatte, E., Fochi, I., Iacovella, N., Miniero, R., and di Domenico, A. (2007). Depletion of selected polychlorinated biphenyl, dibenzodioxin, and dibenzofuran congeners in farmed rainbow trout (*Oncorhynchus mykiss*): A hint for safer farming. *Chemosphere*, 66, 1019–1030.

Fattore, E., Fanelli, R., Turrini, A., and di Domenico, A. (2006). Current dietary exposure to polychlorodibenzo-p-dioxins, polychlorodibenzofurans, and dioxin-like polychlorobiphenyls in Italy. *Molecular Nutrition and Food Research*, 50, 915–921.