

## **Giuliana DRAVA – Curriculum vitae**

Degree in Pharmaceutical Chemistry and Technology in 1988 (University of Genova - Faculty of Pharmacy).

Degree in Pharmacy in 1989 (University of Genova - Faculty of Pharmacy).

Legally entitled for practising the profession of Pharmacist in 1989.

PhD in Pharmaceutical Sciences in 1993.

Post-Doc grant in Chemical Sciences from 1994 to 1996.

From 1990 to 1998, she has been doing research at the “Department of Pharmaceutical and Food Chemistry and Technologies” of the Faculty of Pharmacy - University of Genova (Italy) – Section of Analytical Chemistry.

Free-lance consultant for several companies and institutes of research.

She worked as visiting researcher at universities and research centres in Europe and South America:

- France: University of Aix-Marseille, Faculté des Sciences et Techniques de Saint-Jérôme;
- France: Institut National Agronomique (now AgroParisTech) in Paris;
- UK: Process Measurement Centre - GlaxoSmithKline (Barnard Castle);
- Spain: Universidad de La Rioja (Logrono);
- Spain: Departamento de Química Analítica - Universidad de Valladolid – Colegio Universitario de Burgos;
- Spain: Departament de Química - Unitat de Química Analítica - Universidad Autònoma de Barcelona;
- Ecuador: Universidad del Azuay - Escuela Politécnica del Chimborazo.

From 1999, full-time researcher (Scientific Area CHIM03) at the University of Genova, confirmed in 2001 – School of Medical and Pharmaceutical Sciences – Department of Pharmacy – Research group of General and Inorganic Chemistry.

Her fields of work and research are:

- a) the use of organisms (cetaceans, fish, crustaceans, lichens, plant species) as bioindicators for the presence of toxic (i.e. Hg, Cd, Pb, As) and non-toxic (Cu, Mn, Se, Zn) elements in the marine environment and in the atmosphere;
- b) the study of the different chemical forms of toxic elements (analytical methods, bioaccumulation and transformation mechanisms) and their possible interactions with the environment for a better understanding of biogeochemical cycles;
- c) statistical methods of multivariate analysis for the treatment of experimental data in different domains (pharmaceutical, food and environmental chemistry);
- d) statistical methods of experimental design; product and process optimization.

From 2002-2003 to 2007-08 she was in charge of the course of “General and Inorganic Chemistry” for the degree in “Tecnica Erboristica”, with teaching activity also for the degrees in Pharmacy and Pharmaceutical Chemistry and Technology (C.T.F.).

Since 2008-09 she is in charge of the course of “General and Inorganic Chemistry” for the degree (Laurea Magistrale) in Pharmacy.

She held lectures and seminars in several European Universities and research centers, giving also lessons in English, French and Spanish.

She is thesis supervisor and gives lessons for the Doctorate School in Sciences and Technologies of Chemistry and Materials (University of Genova).

She participated at several national and international congresses, and was invited to give lectures at events of scientific dissemination. She is author of scientific peer-reviewed articles, book chapters and communications; she is reviewer for several international Journals.

She participated to national and international research projects.