

CURRICULUM VITAE of ALDO POLETTINI

Birthplace and Birthdate	Milan, Italy, 6 September 1961
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QUALIFICATIONS

Degree in Biological Sciences at the State University of Milan (October 1985).
Final mark: honour mark.

Ph.D. in Forensic Science in June 1992 at the State University of Verona.
Master of Science in Forensic Toxicology in March 1994 at the State University of Pavia. Final mark: honour mark.

CURRENT POSITION

Prof. Aldo Polettini is employed since 2007 at the Department of Diagnostics & Public Health of the State University of Verona. He covers the position of associate professor. His teaching duties include courses of Forensic Toxicology, Bioethics, and Legal Medicine within the Faculties of Medicine, Law, Social Sciences, and Physical Education as well as in the Specialization Schools of Legal Medicine and Hygiene.

Since September 2009 he also acts as expert consultant for substance abuse bioanalysis and interpretation for Synlab Italia and, since 2014, for Synlab Germany.

Since 1989 he acts as expert witness both for Prosecutors and for the Defence in cases of lethal poisoning, drug facilitated crimes, driving under influence, illicit use of drugs in sports (doping) and zootechnics, analysis of illicit drugs preparations.

Since 2001 he has been nominated as expert of drugs of abuse in several commissions of the Italian Ministry of Health, the European Monitoring Centre for Drugs and Drug Addiction (EMCDDA), the European Union, and the United Nations Office on Drugs and Crime (UNODC) .

Prof. Polettini has an extensive experience in the application of sophisticated analytical techniques (GC/MS, LC/MS, MS/MS, HRMS) to the bioanalysis of

xenobiotics and their metabolites in biological and environmental (soil, water, food) matrices, as well as in the pharmacological and toxicological interpretation of analytical findings (interpretive toxicology).

His current research activity include:

- *Trace level (ppb or lower) analysis of xenobiotics in traditional as well as alternative biological matrices*
- *Diagnosis of alcohol abuse through the analysis of ethyl glucuronide and ethyl sulphate in different biological matrices*
- *Development of drug screening procedures in biosamples by LC-TOFMS*
- *Toxicological interpretation of analytical results*

The scientific activity of Prof. Aldo Polettini is attested by over 100 publications, the majority of them as first or last author, appeared in the most important journals of analytical chemistry, analytical toxicology and forensic sciences (*Analytical Chemistry, Clinical Chemistry, Journal of Analytical Toxicology, Journal of Mass Spectrometry, Journal of Chromatography, Rapid Communications in Mass Spectrometry, Clinica Chimica Acta, Analytical Biochemistry, Journal of Forensic Sciences, Forensic Science International, British Medical Journal, Molecular Pharmacology, Addiction, Alcoholism-Clinical and Experimental Research*), including books and book chapters, and by his frequent attendance to international conferences where he is frequently invited to lecture on different topics of analytical and forensic toxicology.

Aldo Polettini has an **Hirsch Index of 37** (Google Scholar), with an average of over 30 citations per paper.

In 2006 he edited the book *Applications of LC-MS in Toxicology* published by Pharmaceutical Press and contributed, together with L. Politi and A. Groppi, with the chapter on Ionisation, Ion Separation and Ion Detection in LC-MS. The book hosts contributions of the main experts in the field, such as Maciej Bogusz, Robert Kronstrand, Pierre Marquet, Hans Maurer, Laurent Rivier, and Detlef Thieme.

In 2012 he was invited to contribute to the 2nd edition of the *Encyclopedia of Forensic Sciences (Toxicology Section)*, edited by Drs. Jay A. Siegel and Pekka Saukko, with a chapter on "Methods of Analysis-Confirmatory Testing".

Prof. Polettini has developed his research activity at an international level by collaborating with different renowned institutes such as the *Joint Research Centre of the European Union (Ispra, Italy)*, the *National Institute of Public Health and Environmental Protection (Bilthoven, The Netherlands)*, the *Department of Pharmacology and Toxicology of the Municipal Institute for Medical Research (Barcelona, Spain)*, and the *National Institute on Drug Abuse/IRP/NIH (Baltimore, MD)*.

He is member of *The International Association of Forensic Toxicologists (TIAFT)* since 1995 and from 2007 to 2018 he has been *regional representative* for Italy of the Association, In 2008 he received the *TIAFT Achievement Award* attributed to scientists for outstanding achievements in Forensic Toxicology, as a science, a profession, or both, during the first part of their career.

He is member of the *Society for Hair Testing* since 1996.

He has been frequently asked to referee manuscripts submitted for publication in *Analytical Chemistry*, *Clinical Chemistry*, *Journal of Chromatography A and B*, *Forensic Science International*, *Journal of Mass Spectrometry*, *Rapid Communications in Mass Spectrometry*, *Food Additives and Contaminants*, *Mass Spectrometry Reviews*, *Journal of Pharmaceutical and Biomedical Analysis*, *Analytical and Bioanalytical Chemistry*, *Chromatographia*.

He is member of the Editorial Advisory Board of the *Journal of Analytical Toxicology* since 1998 and, since 2010, he is Assistant Editor for post-mortem toxicology of the Journal.

He speaks and writes English and Spanish fluently, understands Portuguese.