

PERSONAL INFORMATION



First name Sergio

Surname Caroli

Address

Telephone

Mobile

E-mail

Nationality

Date of birth

WORK EXPERIENCE

Date 06/09/2016

Name and address of employer Formerly at the Istituto Superiore di Sanità (National Institute of Health, ISS), Viale Regina Elena 299, 00161 Rome

Type of business or sector Public scientific institution for research, control and training

Occupation or position held Research Director (retired)
Honorary Professor at the University Eötvös Loránd of Budapest

Education and training | PhD in chemistry from the University of Rome (1968)
Member of the staff of the ISS (1968 – 2010)

Main activities and responsibilities

Head of the Analytical Chemistry Section of the Applied Toxicology Department, Istituto Superiore di Sanità of Rome (1987 - 2004)

Director of the Community Reference Laboratory for Residues at the Istituto Superiore di Sanità (1991 - 2004)

Official Italian delegate in the Working Group on GLP of the Organization for Economic Cooperation and Development (OECD) (1988 - 2010)

Member of the National Committee for Research in Antarctica (1991 - 2002)

Member of the Board of Directors of the Italian Society for Applied Pharmacological Science (Società di Scienze Farmacologiche Applicate, SSFA)

Member of the Scientific Committee of the Fondazione Onlus Ricerca e Salute

Benedetti-Pichler Award from the American Microchemical Society

Highest scientific award (Magyar Népköztársaság Csillagrendje) received in 1988 from the Hungarian Government for special merits in promoting technical and scientific cooperation between Italy and Hungary (1988)

Title of *Doctor et Professor honoris causa* awarded by the Eötvös Loránd University of Budapest
Research fields mainly focused on the role of elements in health and environmental problems, the development of spectroanalytical methodologies for the quantification of elements, the development of reference values for elements in biological materials and the preparation of reference materials for use in the life sciences as well as the implementation of quality systems, in particular as regards the Principles of Good Laboratory Practice

Other major commitments.

Promoter and supervisor of one of the official scientific cooperation programmes between Italy and Hungary, within the framework of which the series of biennial bilateral Symposia on Spectrochemistry (now in its fourteenth edition) has been undertaken.

Inspector of the National Inspectorate for the evaluation of the compliance of national testing laboratories with the principles of Good Laboratory Practice (GLP)

Participant in several projects on methodological developments promoted by the Institute of Reference Materials and Measurements of the Joint Research Centre (European Commission).

Scientific supervisor of several national monitoring campaigns for the assessment of reference values of elements in ecosystems and human organs; director of several national and international research projects

Member of the Advisory Board of the Journal of Analytical Atomic Spectroscopy (1988 – 2008).

Member of the Advisory Board of Spectroscopy (1988 – 2000).

Member of the Advisory Board of Spectroscopy Europe (1980 – 2000).

Member of the Advisory Board of Microchemical Journal (since 1990).

Member of the Advisory Board of Environmental Science and Pollution Research International (1990 – 2006).

Member of the Advisory Board of Annali di Chimica (2002 – 2006).

Member of the Advisory Board of ICP Information Newsletter (since 1986).

Member of the Advisory Board of Journal of Trace Elements in Medicine and Biology (1996 – 2010).

Co-ordinator of several PhD Dissertation, *e.g.*:

Pt-group Elements from Catalytic Converters (Dr. B. Lesniewska, 2002);

Contrast Agents in Pharmaceuticals (Dr. A.L. Balestreri, 2001);

Pt-group Elements in Biological Fluids (Dr. M. Krachler, 1999);

Chirocephalus diaphanus as a Bioindicator of Environmental Contamination (Dr. P. Pucci, 1998).

Author of over 400 papers and Editor and co-author of seven books (on Standard Electrode Potentials, Improved Hollow Cathode Lamps, Applications of Zeeman Graphite Furnace Atomic Absorption Spectrometry, Speciation in Bioinorganic Chemistry, Environmental Contamination in Antarctica, The Determination of Chemical Elements in Food: Applications for Atomic and Mass Spectrometry and Analytical Techniques for Clinical Chemistry, respectively).

Some recent publications are listed below.

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etection and quantification of residues and metabolites of medicinal products in environmental compartments, food commodities and workplaces. A review, P. Bottoni, S. Caroli, in: Special Issue on Analytical Approaches, S. Caroli and P. Bottoni (Eds.), *J. Pharm. Biomed. Anal.* (2014), <http://dx.doi.org/10.1016/j.jpba.2014.12.019>.

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pecial Issue on Analytical Approaches, S. Caroli and P. Bottoni (Eds., *J. Pharm. Biomed. Anal.* (2014), <http://dx.doi.org/10.1016/j.jpba.2014.12.019>.

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haracteristics of spring waters in Budapest. A short review, P. Bottoni, M. Óvári, Gy. Záráy and S. Caroli. In: *Special Issue on Recreational Waters*, S. Caroli, L. Bonadonna, E. Ferretti, G. Fantuzzi and V. R. Spica (Eds.), *Microchem. J.*, **110** (2013), 770–774.

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merging issues on degradation by-products deriving from personal care products and pharmaceuticals during disinfection processes of water used in swimming pools, P. Bottoni, L. Bonadonna, M. Chirico, S. Caroli and Gy. Záráy. In: *Special Issue on Recreational Waters*, S. Caroli, L. Bonadonna, E. Ferretti, G. Fantuzzi and V. R. Spica (Eds.), *Microchem. J.*, **112** (2013), 13-16.

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aster on quality systems – GXP and ISO (second edition), M. M. Brunetti and S. Caroli, *SSFA Oggi*, **39** (2013), 6-7.

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linical Chemistry and the Quest for Quality, S. Caroli. In: *Analytical Techniques for Clinical Chemistry: Methods and Applications*, S. Caroli and Gy. Záráy (Eds.), John Wiley & Sons, Inc., Hoboken, New Jersey, USA, **2012**, 29-58.

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nalytical Techniques for Clinical Chemistry: Methods and Applications, S. Caroli and Gy. Záráy (Editors), John Wiley & Sons, Inc., Hoboken, New Jersey, USA, **2012**, 840 pp.

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pecial Issue on the Fourteenth Hungarian-Italian Symposium on Spectrochemistry: Analytical Techniques and Preservation of Natural Resources, Gy. Záráy, S. Caroli, V. G. Mihucz and P. Bottoni and (Eds.), *Microchem. J.*, **107** (2013), 1-195.

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linical Chemistry and the Quest for Quality, S. Caroli. In: *Analytical Techniques for Clinical Chemistry: Methods and Applications*, S. Caroli and Gy. Záray (Eds.), John Wiley & Sons, Inc., Hoboken, New Jersey, USA, **2012**, 29-58.

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pecial Issue on the Fourteenth Hungarian-Italian Symposium on Spectrochemistry: *Analytical Techniques and Preservation of Natural Resources*, Gy. Záray, S. Caroli, V. G. Mihucz and P. Bottoni and (Eds.), *Microchem. J.*, **107** (2013), 1-195.

short review on radioactivity in drinking water as assessed by radiometric and Inductively Coupled Plasma-Mass Spectrometry techniques, S. Caroli, M. Forte, C. Nuccetelli, R. Rusconi and S. Risica. In: *Special Issue on the Fourteenth Hungarian-Italian Symposium on Spectrochemistry: Analytical Techniques and Preservation of Natural Resources*, Gy. Záray, S. Caroli, V. G. Mihucz and P. Bottoni (Eds.), *Microchem. J.*, **107** (2013), 95-100.

pecial Issue on Analytical Approaches, S. Caroli and P. Bottoni (Eds.), *J. Pharm. Biomed. Anal.* (2014), <http://dx.doi.org/10.1016/j.jpba.2014.12.019>

iological monitoring of Italian soldiers deployed in Iraq. Results of the SIGNUM project, C. Bolognesi, L. Migliore, F. Lista, S. Caroli, M. Patriarca, R. De Angelis, R. Capocaccia, S. Amadori, A. Pulliero, C. Balia, R. Colognato, V. La Gioia, S. Bonassi, A. Izzotti, *Int. J. Hyg. Environm. Health* (in press).

Further information