

Prof. Marcelo Enrique Conti, PhD

University of Rome "La Sapienza", Facoltà di Economia
SPES Development Studies Research Centre

and

Dipartimento per le Tecnologie, le Risorse e lo Sviluppo

Via Del Castro Laurenziano 9

00161 Rome, Italy

tel.: +39.06.49766516

fax: +39.06.4452251

e-mail: marcelo.conti@uniroma1.it

Professor of Environmental Impact Assessment, University of Rome "La Sapienza", Italy.

Professor of Environmental Impact Assessment, University of Urbino, Italy.

Professor in the PhD course of Environmental Sciences, University of Urbino, Italy.

Visiting Professor at the *School of Public Health, University of Massachusetts, Amherst*, October 2007. He has given lectures dealing with the REACH regulation system in the European Union and the Risk Assessment of Chemical Substances.

Professor of Environmental Impact Assessment in the Master and PhD courses: 'Economics and Techniques for the Conservation of the Architectural and Environmental Heritage', Nova Gorica Polytechnic, Slovenia, 2005-2006.

Professor of Environmental Impact Assessment in the Master course: 'Non Farm Activities and Rural Development in Developing Countries', SPES Development Studies, Research Centre, Università di Roma 'La Sapienza', 2005-2006.

PhD (*Dottore di Ricerca*) in Food Control and Technology, University of Rome "La Sapienza".

Member of the SPES Development Studies, Research Centre at the University of Rome La Sapienza (<http://w3.uniroma1.it/spes/facultyconti.htm>).

He is concerned with research in environmental & human biological monitoring fields and the related analytical methods of quality control. He is also interested in managerial problems concerning the environmental heritage.

He has held numerous lectures and didactic seminars on invitation in various Italian universities and foreigners. It coordinates various research projects in the field of the Environmental Management and Environmental Impact Assessment.

He is the Editor-in-Chief of the *International Journal of Environment and Health* and component advisor of the Scientific Committee of various international scientific magazines. Author of more than 120 scientific publications among books, chapters of

books and articles on national (Italian) and international magazines in environmental field.

In particular, he is:

-**Vicepresident** of the *International Academy of Environmental Sciences* (IAES), Venice (president: Adolfo Pérez Esquivel, Peace Nobel Prize).

(www.environmentalscienceacademy.com)

-**Vicepresident** of the Scientific Committee of the *International Academy of Environmental Sciences* (IAES), Venezia.

Editorial Boards

-**Editor in Chief** of the International Journal of Environment and Health (IJEnvH) (*Inderscience Enterprises Ltd & UNESCO*). (www.inderscience.com/ijenvh).

-**Section Editor** (Environmental Chemistry section) of the Chemistry Central Journal, BioMed Central, Ltd., USA.

-Editorial Board member of the International Journal of Environment and Pollution (IJEP) (*Inderscience Enterprises Ltd & UNESCO*).

(<http://www.inderscience.com/browse/index.php?journalID=9>).

-Editorial Board member of the International Journal of Sustainable Development and Planning, Wessex Institute of Technology, WIT press, UK.

-Editorial Board member of the World Journal of Chemistry, IDOSI.

-Editorial Board member of the Open Civil Engineering Journal (OCIE), Bentham Science Publishers Ltd. ISSN: 1874-1495.

-Editorial Board member of the Advances in Environmental Biology (The American-Eurasian Network for Scientific Information-AENSI) ISSN: 1995-0756.

-Member of the Editorial Advisory Board of the Scientific Journals International (SJI), (Agriculture, Botany, Zoology, Food, Ecology, and Environmental Sciences Section).

-Editorial Board member of : The Open Atmospheric Science Journal (OCIE), Bentham Science Publishers Ltd. ISSN: 1874-2823.

-Editor (invited) of Northeastern Naturalist, USA.

-Editorial Board member of The Open Environmental & Biological Monitoring Journal (OCIE), Bentham Science Publishers Ltd.

Scientific research groups

-Chair of the Scientific Work Group of Experts who elaborated a document: **‘SCIENTIFIC REPORT - CONSULTANCY REPORT ON PULP MILLS’** requested by Adolfo Pérez Esquivel (Peace Nobel Prize). The report was presented to

the Presidents of Argentina and Uruguay in December 2006 and now is deposited in the International Court of Justice (The Hague) as a part of defensive memorial of Argentina in the juridical controversy between Argentina and Uruguay related to pulp mills.

-Scientific Director of the Scientific Research Operative Unit of the Development Studies Research Centre (SPES) for the approved and financed project 2007-2009, Ministry of Health, Italy: '*Cobalt chloride effect on erythropoiesis: intake and biological injury*', University of Rome, 'La Sapienza'.

-Member of the drafting **WHO mercury group** and invited member to the 'Workshop on reducing health risks from mercury exposures in the European Region of the WHO', World Health Organization, 7-8 November 2007, WHO, Bonn, Germany.

-Member of the drafting **WHO mercury group in children** and invited member of the 'Meeting of the peer review working group on mercury in children', World Health Organization, 9 November 2007, WHO, Bonn, Germany.

-Drafting Group member (Lead & Cadmium) of the International **Forum on Chemical Safety** (IFCS) VI, since 2007.

- Member of The American-Eurasian Network for Scientific Information (AENSI).

He is currently reviewer of the following scientific journals:

Chemosphere, Environmental Research, Food Technology and Biotechnology, Journal of Food Composition and Analysis, Environmental Pollution, Journal of Agricultural and Food Chemistry, BMC Public Health, Int. Journal of Ecodynamics, Int. Journal of Environmental Analytical Chemistry (IJEAC), Int. Journal of Environment and Pollution (IJEP), Int. Journal of Risk Assessment and Management (IJRAM), Environmental Monitoring and Assessment, Int. Journal of Sustainable Development and Planning, Ecotoxicology and Environmental Safety, Chemistry and Ecology, Functional Plant Biology, Acta Zoologica Sinica, Northeastern Naturalist, Environmental Chemistry, The Science of the Total Environment, Journal of Hazardous Materials, World Journal of Chemistry, Chemistry Central Journal, Food Chemistry, Journal of Pharmaceutical and Biomedical Analysis, Journal of Apicultural Research, Advances in Environmental Biology.

Court appointed expert of the Venice Court of Appeal and the Venice Tribunal of Justice in some legal controversies related to environmental issues.

Chaired, co-chaired and Scientific conference's Committees (selected)

-Member of the Scientific Committee of the Conference: Sustainable Approaches for Mega – Site Management and Remediation: New Perspectives. Agenzia per la protezione dell'ambiente e per i servizi tecnici (APAT) and Netherlands Organization for Applied Scientific Research (TNO), Venice, San Servolo Conference Centre, November 30, 2007.

-Invited speaker to the 4th INTERNATIONAL CONFERENCE ON CHILDREN'S HEALTH AND THE ENVIRONMENT, Reducing environmental risks for our children. Vienna, 10-12 of June 2007.

-Invited speaker to the International Conference: *PAPER FOR THE WORLD - PROBLEMS FOR THE REGION!* Sustainable pulp production in Latin America or just pulp fiction?, 16 May 2007, Organised by The Greens-EFA and Heinrich Böll Foundation, **European Parliament**, Brussels.

-Member of the International Scientific Advisory Committee of the 7th International Conference on “*Environmental Problems in Coastal Regions including Oil and Chemical Spill Studies*”, The New Forest, UK, 19-21 May 2008, Wessex Institute of Technology, Southampton, UK.

-Chairman of a session of the International Conference of the *International Academy of Environmental Sciences* (IAES): CLIMATE CHANGE IN THE 21ST CENTURY, FUTURE PROSPECTS OF THE “HEALTH” OF OUR PLANET AND MANKIND, May 19 2007, Venice, Italy.

-Co-Chairman of the International Conference *THE RAVAGE OF THE PLANET 2006, First International Conference on Management of Natural Resources, Sustainable Development and Ecological Hazards*, 12-14 December, Bariloche, Argentina (Honorary President: Adolfo Perez Esquivel, Peace Nobel Prize) (<http://www.wessex.ac.uk/conferences/2006/planet06/>).

-Co-Chairman of the International Conference of the *International Academy of Environmental Sciences* (IAES): *HEALTH, ENVIRONMENT AND JUSTICE. An International Environmental Criminal Court to Protect Ecosystems, Human and Environmental Health*, 23-24 November, Venice, Italy. (<http://www.environmentscienceacademy.com/inglese/start.htm>)

-Member of the International Scientific Advisory Committee of the 6th International Conference on “*Environmental Problems in Coastal Regions including Oil and Chemical Spill Studies 2006*”, Rhodes, Greece, 5-7 June 2006, Wessex Institute of Technology, Southampton, UK.

- Member of the International Scientific Advisory Committee of the 2nd International Conference on “*Monitoring, Simulation, Management and Remediation of the Geological Environment and Landscape Evolution 2006*”, Rhodes, Greece, 6-8 June 2006”, Wessex Institute of Technology, Southampton, UK.

Selected Publications

Authored & edited books and chapters of books

1. M.E. Conti (Ed.) (2008) BIOLOGICAL MONITORING: THEORY AND APPLICATIONS. Bioindicators and biomarkers for environmental quality and human exposure assessment. The Sustainable World, 17, 272 pp. WITpress, Southampton, ISBN: 978-1-84564-002-6 (*in press*).
2. M.E. Conti (2008) Principio di precauzione e analisi del rischio delle sostanze chimiche (Chapter 11.2), in: Valutazione del Rischio Ambientale Applicata ai

- Prodotti Chimici, C. Zaghi, C. Gaggi, A. Finizio, Eds., Pitagora Editrice Bologna, Collana "Quaderni di tecniche di protezione ambientale" (in italian) (*in press*).
3. M.E. Conti (2007) Heavy metals in food packagings (Chapter 9), in: Mineral Components in Food, J. Nriagu and P. Szefer, Eds., CRC press, Boca Raton, Florida, USA, ISBN: 0849322340, 339-362.
 4. Co-editor & co-author of the book Conference Proceedings: Management of Natural Resources, Sustainable Development and Ecological Hazards (The Ravage of the Planet 2006); C.A. Brebbia, M.E. Conti, E. Tiezzi, (Eds.), WITpress, ISBN 1-84564-048-9.
 5. Co-editor & co-author of the special issue of the International Journal of Risk Assessment and Management (IJRAM) (*Inderscience Enterprises Ltd & UNESCO*)(2005). The special issue is entitled: "On the relevance of the uncertainty in the management of environment and health problems".
 6. M.E. Conti (2002) Il monitoraggio biologico della qualità ambientale. Editrice SEAM, Roma, 180 pp. (in italian).
 7. Co-editor & co-author of the special issue of the International Journal of Environment and Pollution (IJEP) (*Inderscience Enterprises Ltd & UNESCO*) (2000) entitled: "The Control of Marine Pollution: Current Status and Future Trends". 69 authors were involved in this project.

Scientific Journals

1. M.E. Conti (1996) The pollution of the Adriatic Sea: Scientific knowledge and policy actions, Int. J. Environment and Pollution Vol. 6, 2/3, 113-130.
2. M.E. Conti, F. Botrè, F. Mazzei (1996) On the heavy metals content in cosmetic formulations: an atomic absorption spectroscopy investigation, Journal of Applied Cosmetology, 14, 4, 147-154.
3. M.E. Conti, M. Boccacci Mariani, M.R. Milana, L. Gramiccioni (1996) Heavy metals and optical whitenings as quality parameters of recycled paper for food packaging, Journal of Food Processing and Preservation, 20, 1, 1-11.
4. M.E. Conti (1997) The content of heavy metals in food packaging paper boards: An atomic absorption spectroscopy investigation, Food Research International, 30,5, 343-348.
5. M.E. Conti, F. Botrè (1997) The content of heavy metals in food packaging paper: An atomic absorption investigation, Food Control, 8, 3, 131-136.
6. M.E. Conti, F. Cubadda, M. Carcea (2000). Trace metals in soft and durum wheat from Italy, Food Additives and Contaminants, 17, 1, 45-53.
7. L. Volterra, M.E. Conti (2000). Algae as biomarkers, accumulators and producers of toxicity, in: The Control of Marine Pollution: Current Status and Future Trends, M.E. Conti and F. Botrè, eds., International Journal of Environment and Pollution, 1-6, 92-125.

8. M.E. Conti (2000) Lazio region (central Italy) honeys: determination of mineral content and typical quality parameters, *Food Control*, 11, 459-463.
9. L. Campanella, M.E. Conti, F. Cubadda, C. Sucapane (2001) Trace metals in seagrass, algae and molluscs from an uncontaminated area in the Mediterranean. *Environmental Pollution*, 111, 117-126.
10. M.E. Conti, F. Botrè (2001) Honey bees and their products as potential bioindicators of heavy metals contamination, *Environmental Monitoring & Assessment*, 69, 267-282.
11. M.E. Conti, G. Cecchetti (2001) Biological Monitoring: lichens as bioindicators of air pollution assessment - a review. *Environmental Pollution*, 114, 471-492.
12. F. Cubadda, M.E. Conti, L. Campanella (2001) Size-dependent concentrations of trace metals in four Mediterranean gastropods. *Chemosphere*, 45, 4, 561-569.
13. C. Zaghi, M.E. Conti, G. Cecchetti, (2002) White paper on chemicals and Stockholm convention on persistent organic pollutants: perspectives for environmental risk management. *International Journal of Risk Assessment and Management*, 3, 2-3-4, 234-245.
14. M.E. Conti, M.B. Tudino, J.O. Muse, G.F. Cecchetti (2002) Biomonitoring of heavy metals and their species in the marine environment: the contribution of atomic absorption spectroscopy and inductively coupled plasma spectroscopy. *Research Trends in Applied Spectroscopy*, Vol. 4, 295-324.
15. M.E. Conti, G. Cecchetti (2003) A biomonitoring study: trace metals in algae and molluscs from Tyrrhenian coastal areas. *Environmental Research*, 93, 99-112.
16. M.E. Conti, M. Tudino, J. Stripeikis, G. Cecchetti (2004) Heavy metal accumulation in the lichen *Evernia Prunastri* transplanted at urban, rural and industrial sites in Central Italy. *Journal of Atmospheric Chemistry*, 49, 83-94.
17. M.E. Conti, M. Iacobucci, G. Cecchetti (2005) A statistical approach applied to trace metal data from biomonitoring studies. *International Journal of Environment and Pollution*, 23, 1, 29-41.
18. C. Zaghi, G. Cecchetti, J. Fontana, M.E. Conti (2005) Science and precaution in the risk analysis of chemicals. In: M.E. Conti, F. Botrè (eds.) 'On the relevance of uncertainty in the management of environmental and health problems', *International Journal of Risk Assessment and Management*, vol. 5, 2-4, 271-285.
19. M.E. Conti, J.O. Muse, M. Mecozzi (2005) Uncertainty in environmental analysis: theory and laboratory studies. In: M.E. Conti, F. Botrè (eds.) 'On the relevance of uncertainty in the management of environmental and health problems', *International Journal of Risk Assessment and Management*, vol. 5, 2-4, 311-335.
20. G. Cecchetti, A. Fruttero, M.E. Conti (2005) Asbestos reclamation at a disused industrial plant, Bagnoli (Naples, Italy). *Journal of Hazardous Materials*, 122, 1-2, 63-71.
21. M.E. Conti, M. Iacobucci, M. Mecozzi, G. Cecchetti (2006) Trace metals in soft tissues of two marine gastropod molluscs: *Monodonta turbinata* B. and *Patella*

- caerulea L. collected in a marine reference ecosystem, in: Environmental problems in coastal regions VI, including oil spill studies; C.A. Brebbia, (Ed.), WIT Transactions on Ecology and the Environment 88, 3-11.
22. M. E. Conti, J. Stripeikis, M. Iacobucci, D. Cucina, G. Cecchetti, M. B. Tudino (2006) Trace metals in molluscs from the Beagle Channel (Argentina): a preliminary study, in: Management of Natural Resources, Sustainable Development and Ecological Hazards – The Ravage of the Planet Conference, C.A. Brebbia, M.E. Conti and E. Tiezzi, Eds, WIT Transactions on Ecology and the Environment 99, 473-483.
 23. M. Mecozzi, M.E. Conti (2007) A new approach based on polynomial functions for measuring the acute toxicity of environmental samples, International Journal of Environment and Health, 1, 1, 87-97.
 24. M.C. Albertini, M. Dachà, L. Teodori, M.E. Conti (2007) Drinking mineral waters: biochemical effects and health implications, The state of-the-art. International Journal of Environment and Health, 1, 1, 153-169.
 25. M.E. Conti, M. Iacobucci, G. Cecchetti (2007) A biomonitoring study: trace metals in seagrass, algae and molluscs in a marine reference ecosystem (southern Tyrrhenian sea), International Journal of Environment and Pollution, 29, 1-3, 308-332.
 26. M.E. Conti, M. Iacobucci, D. Cucina, M. Mecozzi (2007) Multivariate statistical methods applied to biomonitoring studies, International Journal of Environment and Pollution, 29, 1-3, 333-343.
 27. A. Pino, A. Alimonti, F. Botrè, C. Minoia, B. Bocca, M.E. Conti (2007) Determination of twenty five elements in lichens by Sector Field Inductively Coupled Plasma Mass Spectrometry and Microwave Assisted Acid Digestion. Rapid Communications in Mass Spectrometry, 21, 1900-1906.
 28. M.E. Conti, J. Stripeikis, L. Campanella, D. Cucina, M.B. Tudino (2007) Classification of Italian honeys (Marche Region) on the basis of their mineral content and some typical quality parameters. Chemistry Central Journal 1, 1, 14.
 29. L. Campanella, M. Costanza, M.E. Conti (2007) The influence of copper ions on antioxidant activity: preliminary study. International Journal of Environment and Health 1, 2, 328-340.
 30. B. Bocca, M.E. Conti, A. Pino, D. Mattei, G. Forte, A. Alimonti (2007) Simple, fast, and low-contamination microwave-assisted digestion procedures for the determination of chemical elements in biological and environmental matrices by sector field ICP-MS. International Journal of Environmental Analytical Chemistry, 87, 15, 1111-1123.
 31. M.E. Conti, M. Iacobucci, G. Cecchetti, A. Alimonti (2008) Influence of weight on the content of heavy metals in tissues of *Mytilus galloprovincialis* (Lamarck, 1819): a forecast model. Environmental Monitoring Assessment (*in press*).
 32. M. Mecozzi, M. Pietroletti, M.E. Conti (2008) The investigation of compositional and structural characteristics of natural marine organic matter: a review. International Journal of Environment and Pollution (*in press*).

33. M.E. Conti, D. Cucina, M. Mecozzi (2008) Regression analysis model applied to biomonitoring studies. *Environmental Modeling Assessment (in press)*.
34. M.E. Conti, A. Alimonti, B. Bocca (2008) Environmental exposure to platinum-group elements released by automotive catalytic converters: the risk for children. *International Journal of Environment and Health (in press)*.