

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name **ANTONIO MARCOMINI**
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Nationality Italian
Place and date of birth ROME, 16/06/1956

WORK EXPERIENCE

- Dates (from – to) Since 2000
 - Name and address of employer University Ca' Foscari Venice
Dipartimento di Scienze Ambientali, Informatica e Statistica
Calle Larga Santa Marta, Dorsoduro 2137 – 30123 Venezia
Phone +39-041-234-8548
Fax. +39-041-234-8548
 - Type of business or sector Academy
 - Occupation or position held Full Professor
 - Main activities and responsibilities Teaching:
Courses for undergraduated and graduated students in Chemistry: Pollution Chemistry, Environmental Impacts of Industrial Productions, Laboratory of Environmental Chemistry.
Courses for undergraduated and graduated students in Environmental Sciences: Procedures of Environmental Impact Assessment, Assessment and Management of Environmental Impacts and Risks.
Courses for Ph.D. students in Science and Management of Climate Change: Climate Change and Environmental Contamination.
- Research:
R&D activities as Coordinator, WP Leader and Principal Investigator in EU and National projects; research group leader.
He is author/coauthor of approx. 170 papers published by peer reviewed international journals. He is co-editor of a book published by Springer and co-author of several chapters in ISBN indexed books. Almost all journals where he published are ranked in the first quartile of SJR Scopus (<http://www.scimagojr.com>), under the research area Environmental Sciences and the subject area Environmental Chemistry. The h index, according to isi web of knowledge (<http://www.isiknowledge.com>), is 34.
Main research activities on Environmental Chemistry and Risk Assessment and Management: development of advanced analytical methods for the investigation of the priority and emerging contaminants in the environment (Persistent Organic Pollutants "POPs",

endocrine disruptors, pharmaceuticals, aromatic sulfonates, algal toxins, etc.); primary and secondary characterization of engineered nanoparticles in biological and environmental samples; multimedia chemical fate&transport modelling of POPs in the context of climate change; biogeochemical cycles of nutrients and pollutants in coastal environment (Lagoon of Venice); formulation of Environmental Quality Standards and planning of environmental monitoring; selection/comparison of remedial technologies for contaminated site; development and applications of environmental risk assessment methodologies and procedures to contaminated sites, climate change on coastal zone; development of Decision Support Systems (DSS) for the integration of environmental, technological, economical and societal issues.

Main research projects since 2005:

TIMBRE: Tailored Improvement of Brownfield Regeneration in Europe, funded by the European 7th Framework Program. The project aims at providing a unique approach of best practise solutions (policy, technical regulations, risk assessment, remediation technologies, socio-economic analysis, decision support tools) for end-users that are involved in brownfield regeneration processes.

CLIMRUN: Climate Local Information in the Mediterranean region: Responding to User Needs, funded by the European 7th Framework Program. The project aims at developing a protocol for applying new methodologies and improved modeling and downscaling tools for the provision of adequate climate information at regional to local scale that is relevant to and usable by different sectors of society (policymakers, industry, cities, etc.).

NANOTEST project: Alternative testing strategies for the assessment of the toxicological profile of nanoparticles used in medical diagnostics, funded by the the European 7th Framework Program.

ENPRA (Risk assessment of engineered nanoparticles) project is a major European Framework 7 project to develop and implement a novel integrated approach for engineered nanoparticle (ENP) risk assessment.

AMORE: Multi-Criteria Analysis for the Development of a Decision Support Tool for the Environmental Risks Prevention. Amore is a 3 years project (2009-2012) funded by the French National Research Academy. Its main objective is the development of a decision support system based on a tiered risk assessment procedure, able to integrate all the available information (related to contaminated aquatic systems) by means of multi-criteria analysis methods and to provide stakeholders with reliable information on the uncertainties in the performed evaluation.

KULTURISK: Knowledge-based approach to develop a cULTUre of Risk prevention, funded by the European 7th Framework Program. The project aims at developing a culture of risk prevention for water-related hazards by means of a comprehensive demonstration of the benefits of prevention measures.

EPSEI: Evaluating Policies for Sustainable Energy Investments: towards an integrated approach on national and international stage, funded by the European 7th FP PEOPLE, Marie Curie IRSES. The EPSEI exchange program aims at improving the integration of methodologies and tools concerning the evaluation of investments for sustainable energy.

GLOCOM: Global Partners in Contaminated Land Management, funded by the European 7th FP PEOPLE, Marie Curie IRSES. The project aims at increasing harmonization of methods for risk assessment and management of contaminated sites in China and EU.

NANOFORART: NANO-materials FOR the conservation and preservation of movable and immovable ARTworks. The NANOFORART project is a 3 ½ project funded by the European 7th Framework Program, that starts in January 2012 and will involve 9 European and 1 Mexican partner. The main objective of the project is the development and application of novel nanomaterials and nanostructured responsive systems for the conservation and preservation of movable and immovable artworks, thorough the integration of sophisticated functional materials arising from recent developments in Nano-science/technology with innovative and ad hoc designed techniques in the restoration and preventive conservation of works of art, with improved efficiency.

PRIN 2009-2010 Advanced characterization of physical-chemical properties of nanometric Titanium for environmental and toxicological investigations.

E-URAL: European Union and Russia Link for S&T co-operation in the area of the environment, funded by the European 7th Framework Program. Supporting Action aims at improving in quantity and quality the participation of Russian researchers and SMEs in the "Environment (including climate change)" theme of the Seventh Framework Programme (FP7).

PEGASO: People for Ecosystem Based Governance in Assessing Sustainable Development of Ocean and Coast, funded by the European 7th Framework Program. The core of the project is the development of an ICZM Governance Platform for the coastal zones in the Mediterranean and Black Seas.

Climate and local Anthropogenic drivers and impacts for the Tunisian Coastal area (CANTICO), funded by the the European Sixth Framework Program, ERA-NET scheme. The project aims at developing a pilot study to establish a conceptual model tool to integrate the complex interaction of climate and anthropogenic impacts on vulnerable Mediterranean coastal areas. Risks and impacts are prioritized in order to support decision makers to define sustainable Integrated Coastal Zone Management (ICZM) procedures.

CMCC project: Euro-Mediterranean Centre for Climate Change, funded by Italian Government and including the development of a GIS based Decision Support System supporting coastal zone impact assessment and management at regional scale.

TRUST: Tool for regional scale assessment of groundwater storage improvement in adaptation to climate change, funded by Life plus Program. The project aims at developing a Regional Risk Assessment methodology which will support the climate change impacts assessment on future water demand and aquifer recharge for the river basins in the North-East Italy.

SALT project, funded by Life plus Program. The project aims at developing the assessment of actual and future climatic scenarios on saltwater intrusion of groundwater resources in the lower Esino river valley (Marche, Italy) and supporting the selection of different management options on the quality and quantity of the aquifer.

SYRIADE, Spatial Decision Support System for Regional Assessment of Degraded Land, funded by the European Commission Joint Research Centre. The Spatial Decision Support System is intended to be an aid for national and regional competent authorities in the inventory and assessment of contaminated sites and mining waste sites at regional scale.

2-FUN project: Full-chain and Uncertainty Approaches for Assessing Health Risks in Future Environmental Scenarios, funded by the European Sixth Framework Program. The project aims at developing tools for integrated assessment of risks posed to human health by environmental factors in future realistic scenarios, taking into account the multi-stressor, multiroutes and multi-exposure context and including uncertainty integration method at each assessment step.

MODELKEY project: Decision Support System for Assessing and Forecasting the Impact of Environmental Key Pollutants on Marine and Freshwater Ecosystems and Biodiversity, funded by the European Sixth Framework Program and involving 25 partners in the European countries.

• Dates (from – to)	From 1992 to 2000
• Name and address of employer	Department of Environmental Sciences - University Ca' Foscari Venice Calle Larga, S. Marta 2137 - 30123, Venice (Italy)
• Type of business or sector	Academy
• Occupation or position held	Associate professor of Applied Chemistry

• Dates (from – to)	From 1985 to 1987
• Name and address of employer	ETH-Polytechnic of Zurich, Institute for Water Science and Technology (EAWAG), Duebendorf (Switzerland)

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|--------------------------------|--|
| Type of business or sector | Research Institute |
| • Occupation or position held | Research Associate |
| • Dates (from – to) | 1984-1992 |
| • Name and address of employer | University Ca' Foscari of Venice (Italy) |
| • Type of business or sector | Academy |
| • Occupation or position held | Assistant Professor of Analytical Chemistry |
| • Dates (from – to) | 1982-1984 |
| • Name and address of employer | Lash Miller Chemical Institute, University of Toronto (Canada) |
| • Type of business or sector | Research Institute |
| • Occupation or position held | Post doctoral fellow |

EDUCATION AND TRAINING

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| • Dates | 1984 |
| • Name and type of organisation providing education and training | University of Padua (Italy) |
| • Title of qualification awarded | Specialization Degree in Nuclear Chemistry |
| • Dates | 1976-1981 |
| • Name and type of organisation providing education and training | University of Padua (Italy) |
| • Title of qualification awarded | Degree in Chemistry |

PERSONAL SKILLS AND COMPETENCES

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.

MOTHER TONGUE

ITALIAN

OTHER LANGUAGES

	ENGLISH	GERMAN
• Reading skills	Excellent	Good
• Writing skills	Excellent	Good
• Verbal skills	Excellent	Sufficient

TECHNICAL SKILLS
AND COMPETENCES
*With computers, specific kinds of
equipment, machinery, etc.*

General skills and competences

Antonio Marcomini started his research activity as inorganic-metallorganic chemist and then moved soon to environmental chemistry in the context of environmental science. His research activity focused on the analysis (i.e. structural identification and quantification) and environmental behaviour (i.e. occurrence, transformation, ultimate fate) of chemicals and particles (especially engineered nanoparticles, ENP) in environmental and biological media, and on qualitative and quantitative estimation of environmental risks and impacts resulting from the environmental occurrence of chemical and non-chemical stressors. Scientific achievements were obtained by developing original methods, novel methodologies and new applications. Both experimental and modelling approaches were used to explain and predict the environmental behaviour of key chemical stressors (e.g. endocrine disrupting compounds, EDC, surface active substances, persistent organic pollutants) under past (from dated samples), actual (from contemporary samples), and future (from thermodynamic models) conditions. The developed knowledge allowed to support (eco)toxicologists to understand the mode of action of intriguing substances (e.g. EDC, ENP) on living organisms, and to link environmental occurrence of pollutants with human and non-human health endpoints. The overall obtained results, together with literature results, were used to develop environmental risk assessment of chemical pollutants and engineered nanoparticles. Both human health and ecological risk assessment were addressed, by applying conventional (deterministic) and non-conventional (probabilistic) methods for the risk estimation at different spatial scales (local to regional). Prioritization and ranking of chemical and non-chemical stressors according to hazard potential, and sources-pathways-targets distribution, were attained by regionalizing the environmental risk. Methodological innovation was introduced by using methods (e.g. weight of evidence) derived from multicriteria decision analysis (MCDA) to integrate different classes of data (chemical, biological, toxicological, hydromorphological data) to assess environmental quality of natural resources (e.g. natural waters, especially coastal waters). MCDA derived methods (i.e. fuzzy analysis) were also used to develop the environmental risk assessment of engineered nanoparticles by addressing uncertainty resulting from the tremendous knowledge gap between known exposure-effects data and increasing number of nanomaterials. Special attention was addressed to investigating the nutrients cycling and the eutrophication (i.e. primary and secondary productions) in the lagoon of Venice, and the effects of algal biomass growth and decay on the cycling of nitrogen and phosphorous compounds, and on the environmental quality resulting from chemical pollutants.

The overall developed methodologies and procedures used for environmental risk assessment were linked to the decision making triggered by regulations on natural waters and contaminated soils (e.g. water framework directive) and management strategies (e.g. rehabilitation of degraded land). Four risk-based Decision Support Systems (DSS) were developed for assessing and managing human and ecological risks resulting from contaminated sites, river basin pollution, and climate change impacts.

Specific skills and competences

Expert of advanced analytical techniques for environmental analysis, such as High Performance Liquid Chromatography (HPLC) coupled with UV, fluorescence detectors, and Mass Spectrometry (Quadrupole, Ion Trap, High Resolution Time of Flight), Gas Chromatography (GC) coupled with FID and MS detectors, Pyrolysis- Gas Chromatography (Py-GC), Flow Field Fractionation (FFF), Hydro Dynamic chromatography (HDC), Dynamic Light Scattering (DLS).

Experience in analytical methods development, by solid-phase extraction (SPE), HPLC-UV/fluorescence, HPLC-MS and HPLC-MS-MS, for the determination of organic microcontaminants and pollutants (endocrine disrupters, pharmaceuticals and personal care products, sulfonates, surfactants, polycyclic aromatic hydrocarbons) and their biointermediates in environmental and biological samples, both liquid (fresh water, sea water, underground water, final effluents from sewage treatment plants, drinking water, biological fluids) and solid (soil, sediment, organisms).

Experience in the physical and chemical characterization of engineered nanomaterials and nanoparticles in specimens, biological fluids and tissues, and environmental samples.

Expert in developing and applying environmental risk assessment procedures and risk-based decision support systems for contaminated sites, river basins, transitional (coastal lagoons) systems, and nanomaterials.

DRIVING LICENCE(S)

Category A & B

ADDITIONAL INFORMATION

Elected Member of the Environmental Chemistry Division Board, Italian Society of Chemistry (2000-2006)

Member Editorial Board, *Annali di Chimica* (Rome) (2000-2004)

Member Editorial Board, *Environmental Science* (since 2004)

Member of the Steering Committee of the Euromediterranean Center for Climate Change (CMCC, www.cmcc.it) (since 2006 on)

Expert of the European Science Foundation, Marine Science Advisory Board (2007)

Dean of the Science & Technology Park of Venice (2003-2006)

Dean of the Consorzio Venezia Ricerche (www.veneziaricerche.it) (since 2000 on)

ANNEXES

ANNEX 1: LIST OF RECENT AND RELEVANT PUBLICATIONS (2005-2012)

ANNEX 1

List of recent and relevant publications (2005-2012)

2012

LAMON L., MACLEOD M., **MARCOMINI A.**, HUNGERBÜHLER K., 2012. Modeling the influence of climate change on the mass balance of polychlorinated biphenyls in the Adriatic Sea, in *CHEMOSPHERE* 87 (9), 1045-1051 (Articolo su rivista).

CIACCI C., CANONICO B., BILANIČOVÁ D., FABBRI R., CORTESE K., GALLO G., **MARCOMINI A.**, POJANA G., CANESI L. Immunomodulation by different types of n-oxides in the hemocytes of the marine bivalve *Mytilus*. *PlosOne* (Articolo su rivista) In press.

MAGDOLENOVA Z., BILANICOVA D., POJANA G., FJELLSBØ L.M., HUDECOVA A., HASPLOVA K., **MARCOMINI A.**, DUSINSKA M., 2012: Impact of agglomeration and different dispersions of titanium dioxide nanoparticles on the human related in vitro cytotoxicity and genotoxicity. *JOURNAL ENVIRONMENTAL MONITORING* (Articolo su rivista) ISSN: 1464-0325. In press.

KERMANIZADEH A., POJANA G., GAISER B.K., BIRKEDAL R., BILANIČOVÁ D.; WALLIN H., JENSEN K.A., SELLERGREN B., HUTCHISON G.R., **MARCOMINI A.**, STONE V.. 2012. Hazard and risk assessment of engineered nanomaterials using hepatocytes in vitro: Cytotoxicity, pro-inflammatory cytokines and function markers. *NANOTOXICOLOGY* (Articolo su rivista) ISSN : 1743-5390 In press.

CORRADI S., GONZALEZ L., THOMASSEN L.C.J., BILANIČOVÁ D.; BIRKEDAL R. K., POJANA G., **MARCOMINI A.**, JENSEN K.A., LEYNS L., KIRSCH-VOLDERS M. 2011. Influence of serum on in situ proliferation of A549 human lung cells exposed to nanomaterials. *MUTATION RESEARCH* (Articolo su rivista) ISSN: 1383-5718. In press.

CANESI L., CIACCI C., FABBRI R., **MARCOMINI A.**, POJANA G., GALLO G.. Bivalve molluscs as a unique target group for nanoparticle toxicity. *MARINE ENVIRONMENTAL RESEARCH* 76 (2012) 16-21 (ISSN: 0141-1136) (Articolo su rivista).

2011

MICHELETTI C., GOTTARDO S., CRITTO A., CHIARATO S., **MARCOMINI A.** *Environmental quality of transitional waters: the lagoon of Venice case study*, in *ENVIRONMENT INTERNATIONAL*, vol. 37, pp. 31-41 (ISSN 0160-4120) (Articolo su rivista)

GOTTARDO S., SEMENZIN E., GIOVE S., ZABEO A., CRITTO A., DE ZWART D., GINEBREDA A., VON DER OHE P.C., **MARCOMINI A.** *Integrated Risk Assessment for WFD Ecological Status classification applied to Llobregat river basin (Spain). Part 2 - Evaluation process applied to five environmental Lines of Evidence.* , in *SCIENCE OF THE TOTAL ENVIRONMENT*, vol. 409, pp. 4681-4692 (ISSN 0048-9697) [Link DOI](#) (Articolo su rivista)

GOTTARDO S., SEMENZIN E., GIOVE S., ZABEO A., CRITTO A., DE ZWART D., GINEBRED A., **MARCOMINI A.** *Integrated Risk Assessment for WFD ecological status classification applied to Llobregat river basin (Spain). Part 1 - Fuzzy approach to aggregate biological indicators.*, in SCIENCE OF THE TOTAL ENVIRONMENT, vol. 409, pp. 4701-4712 (ISSN 0048-9697) (Articolo su rivista)

POJANA G., FANTINATI A., **MARCOMINI A.** *Occurrence of environmentally relevant pharmaceuticals in Italian drinking water treatment plants*, in INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol. 91, pp. 537-552 (ISSN 0306-7319) [Link DOI](#) (Articolo su rivista)

A. ZABEO, L. PIZZOL, P. AGOSTINI, A. CRITTO, S. GIOVE, **A. MARCOMINI** *Regional risk assessment for contaminated sites Part 1: Vulnerability assessment by multicriteria decision analysis*, in ENVIRONMENT INTERNATIONAL, vol. 37, pp. 1295-1306 (ISSN 0160-4120) (Articolo su rivista)

PIZZOL L., CRITTO A., AGOSTINI P., **MARCOMINI A.** *Regional risk assessment for contaminated sites Part 2: Ranking of potentially contaminated sites.*, in ENVIRONMENT INTERNATIONAL, vol. 37, pp. 1307-1320 (ISSN 0160-4120) [Link DOI](#) (Articolo su rivista)

ZUIN S., MICHELETTI C., POJANA G., JOHNSTON H., CRITTO A., STONE V., TRAN L., **MARCOMINI A.** *Weight of Evidence approach for the relative hazard ranking of nanomaterials.*, in NANOTOXICOLOGY, vol. 5, pp. 445-458 (ISSN 1743-5390) [Link DOI](#) (Articolo su rivista)

2010

CANESI L., FABBRI R., GALLO G., VALLOTTO D., **MARCOMINI A.**, POJANA G. *Biomarkers in Mytilus galloprovincialis exposed to suspensions of selected nanoparticles (Nano-carbon black, C60 fullerene, Nano-TiO2, Nano-SiO2)*, in AQUATIC TOXICOLOGY, vol. 100, pp. 168-177 (ISSN 0166-445X) [Link DOI](#) (Articolo su rivista)

FACCA C., BILANICOVA D., POJANA G., **MARCOMINI A.**, SFRISO A. *Coupling taxonomic and chemical analyses to monitor harmful algae occurrence in lagoons (Venice and Po Delta System, Italy).*, in BIOLOGIA MARINA MEDITERRANEA, vol. (17) 1, pp. 368-369 (ISSN 1123-4245) (Articolo su rivista)

CANESI L.; CIACCI C.; VALLOTTO D.; GALLO G.; **MARCOMINI A.**; POJANA G. *In vitro effects of suspensions of selected nanoparticles (C60 fullerene, TiO2, SiO2) on Mitilus hemocytes*, in AQUATIC TOXICOLOGY, vol. 96, pp. 151-158 (ISSN 0166-445X) (Articolo su rivista)

MARRAS S., POJANA G., GANZERLA R., **MARCOMINI A.** *Study and characterization of mural paintings from XIX century in noble venetian (Italy) palace*, in MICROCHEMICAL JOURNAL, vol. 96, pp. 397-405 (ISSN 0026-265X) (Articolo su rivista)

JIXI G., LI D., HAIBO Z., YANG C., CHUNYAN S., CRITTO A., PIZZOL L., **MARCOMINI A.** *Sustainable management of contaminated sites in China: application of DESYRE decision support system to a Chinese case study in Faerber T., Herzog J., Solid waste management and environmental remediation: environmental remediation technologies, regulations and safety*, New York,

2009

MARCOMINI A., SUTER G.W., CRITTO A. *Decision support systems for risk based management of contaminated sites*, in Springer Science, New York, Springer Verlag (ISBN 9780387097213) [Link DOI](#) (Monografia o trattato scientifico)

DUSINSKA M., FJELLSBO L.M., HEIMSTAD E., HARJU M., BARTONOVA A., TRAN L., JUILLERAT-JEANNERET L., HALAMODA B., MARANO F., BOLAND S., SAUNDERS M., CARTWRIGHT L., CARREIRA S., THAWLEY S., WHELAN M., KLEIN C., HOUSIADAS C., VOLKOVA K., TULINSKA J., BEÑO M., ŠEBEKOVÁ K., KNUDSEN L.E., MOSE T., CASTELL J.V., VILÀ M.R., GOMBAU L., JEPSON M., POJANA G., **MARCOMINI A.** *Development of methodology for alternative testing strategies for the assessment of the toxicological profile of nanoparticles used in medical diagnostics. NanoTEST – EC FP7 project.*, in JOURNAL OF PHYSICS. CONFERENCE SERIES, vol. 170, pp. 1-5 (ISSN 1742-6588) (Articolo su rivista)

SEMEZIN E., CRITTO A., **MARCOMINI A.** *Ecosystem Impairment Evaluation on Biodiversity and Functional Diversity for Contaminated Soil Assessment*, in INTEGRATED ENVIRONMENTAL ASSESSMENT AND MANAGEMENT, vol. 5, pp. 399-413 (ISSN 1551-3793) (Articolo su rivista)

BRIAN J.V.; BERESFORD N.; WALKER J.; POJANA G.; FANTINATI A.; **MARCOMINI A.**; SUMPTER J.P. *Hypoxia Does Not Influence the Response of Fish to a Mixture of Estrogenic Chemicals*, in ENVIRONMENTAL SCIENCE & TECHNOLOGY, vol. 43, pp. 214-218 (ISSN 0013-936X) (Articolo su rivista)

OSTOICH M., CRITTO A., **MARCOMINI A.**, AIMO E., GEROTTO M., MENEGUS L. *Implementation of Directive 2000/60/EC: risk-based monitoring for the control of dangerous and priority substances*, in CHEMISTRY IN ECOLOGY, vol. 25, pp. 257-275 (ISSN 0275-7540) (Articolo su rivista)

LAMON L.; DALLA VALLE M.; CRITTO A.; **MARCOMINI A.** *Introducing an integrated climate change perspective in POPs modelling, monitoring and regulation*, in ENVIRONMENTAL POLLUTION, vol. 157, pp. 1971-1980, Review (ISSN 0269-7491) [Link DOI](#) (Articolo su rivista)

LAMON L.; VON WALDOW H.; MACLEOD M.; SCHERINGER M.; **MARCOMINI A.**; HUNGERBUHLER K *Modeling the Global Levels and Distribution of Polychlorinated Biphenyls in Air under a Climate Change Scenario*, in ENVIRONMENTAL SCIENCE & TECHNOLOGY, vol. 43, pp. 5818-5824. (ISSN 0013-936X) [Link DOI](#) (Articolo su rivista)

M. DUSINSKA, L.. FJELLSBØ, Z. MAGDOLENOVA, A. RINNA, E. RUNDEN PRAN, A. BARTONOVA, E. HEIMSTAD, M. HARJU, L. TRAN, B. ROSS, L. JUILLERAT, B. HALAMODA KENZAUI, F. MARANO, S. BOLAND, R. GUADAGNINI, M. SAUNDERS, L. CARTWRIGHT, S. CARREIRA, M. WHELAN, C. KEVIN, A. WORTH, T. PALOSAARI, E. BURELLO, C. HOUSIADAS, M. PILOU, K. VOLKOVÁ, J. TULINSKÁ, A. KAZIMIROVÁ, M. BARANCOKOVÁ, K. ŠEBEKOVÁ, M. HURBANKOVÁ, Z. KOVACIKOVÁ, L. KNUDSEN, M. POULSEN, T. MOSE, M. VILÁ, L. GOMBAU, B. FERNANDEZ, J. CASTELL, **A. MARCOMINI**, G. POJANA, BILANICOVA D, VALLOTTO D. *Testing strategies for the safety of nanoparticles used in medical application*, in NANOMEDICINE, pp. 605-607 (ISSN 1743-5889) (Articolo su rivista)

HARRIS C.A; BRIAN J.V; POJANA G; LAMOREE M; BOOY P; **MARCOMINI A.**; SUMPTER J.P *The influence of a surfactant, linear alkylbenzene sulfonate, on the estrogenic response to a mixture of (xeno)estrogens in vitro and in vivo*, in AQUATIC TOXICOLOGY, vol. 91, pp. 95-98 (ISSN 0166-445X) (Articolo su rivista)

SEMENZIN E.; CRITTO A.; RUTGERS M.; **MARCOMINI A.** *DSS-ERA MANIA: Decision Support System for Site-Specific Ecological Risk Assessment of Contaminated Sites*, Decision Support Systems for Risk Based Management of Contaminated Sites, New York, Springer Verlag, pp. 205-238 (ISBN 9780387097213) (Articolo su libro)

AGOSTINI P.; CRITTO A.; SEMENZIN E.; **MARCOMINI A.** *Decision support systems for contaminated land management: a review*. in MARCOMINI A; SUTER GW II; CRITTO A EDS., Decision Support Systems for Risk Based Management of Contaminated Sites, New York, Springer Verlag, pp. 137-156 (ISBN 9780387097213) (Articolo su libro)

GOTTARDO S.; SEMENZIN E.; ZABEO A.; **MARCOMINI A.** *MODELKEY: A decision support system for the assessment and evaluation of impacts on aquatic ecosystem* in MARCOMINI A; SUTER GW II; CRITTO A EDS., Decision Support Systems for Risk Based Management of Contaminated Sites, New York, Springer Verlag, pp. 1-20 (ISBN 9780387097213) (Articolo su libro)

2008

CARLON C., PIZZOL L., CRITTO A., **MARCOMINI A.** *A spatial risk assessment methodology to support the remediation of contaminated land.*, in ENVIRONMENT INTERNATIONAL, vol. 34, pp. 397-411 (ISSN 0160-4120) (Articolo su rivista)

TORRESAN S., CRITTO A., DALLA VALLE M., HARVEY N., **MARCOMINI A.** *Assessing coastal vulnerability to climate change: comparing segmentation at global and regional scales*, in SUSTAINABILITY SCIENCE, vol. 3, pp. 45-65 (ISSN 1862-4065) (Articolo su rivista)

BRIAN J.V., HARRIS C.A., RUNNALLS T.J., FANTINATI A., POJANA G., **MARCOMINI A.**, BOOY P., LAMOREE M., KORTENKAMP A., SUMPTER J.P. *Evidence of temperature-dependent effects on the estrogenic response of fish: implications with regard to climate change.*, in SCIENCE OF THE TOTAL ENVIRONMENT, vol. 397, pp. 72-81 (ISSN 0048-9697) (Articolo su rivista)

JACOBSEN N.R., POJANA G., WHITE P., MØLLER P., COHN C.A., KORSHOLM K., VOGEL U., **MARCOMINI A.**, LOFT S., WALLIN. H. *Genotoxicity, cytotoxicity and reactive oxygen species induced by single-walled carbon nanotubes and C60 fullerenes in the FE1-Muta (TM) Mouse lung epithelial cells*, in ENVIRONMENTAL AND MOLECULAR MUTAGENESIS, vol. 49, pp. 476-487 (ISSN 0893-6692) (Articolo su rivista)

CANESI L., CIACCI C., BETTI M., FABBRI R., CANONICO B., FANTINATI A., **MARCOMINI A.**, POJANA G. *Immunotoxicity of carbon black nanoparticles to blue mussel hemocytes.*, in ENVIRONMENT INTERNATIONAL, vol. 34, pp. 1114-1119 (ISSN 0160-4120) (Articolo su rivista)

SEMENZIN E., CRITTO A., RUTGERS M., **MARCOMINI A.** *Integration of bioavailability, ecology and ecotoxicology by three lines of evidence into ecological risk indexes for contaminated soil assessment*, in SCIENCE OF THE TOTAL ENVIRONMENT, vol. 389, pp. 71-86 (ISSN 0048-9697) (Articolo su rivista)

CANESI L., BORGHI C., CIACCI C., FABBRI R., LORUSSO L.C., VERGANI L., **MARCOMINI A.**, POJANA G. *Short-term effects of environmentally relevant concentrations of EDC mixtures on Mytilus galloprovincialis digestive gland.*, in AQUATIC TOXICOLOGY, vol. 87, pp. 272-279 (ISSN 0166-445X) (Articolo su rivista)

MICHELETTI C; LOVATO T; CRITTO A; PASTRES R; **MARCOMINI A.** *Spatially distributed ecological risk for fish of a coastal food web exposed to dioxins.*, in ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY, vol. 27, pp. 1217-1225, (ISSN 0730-7268) (Articolo su rivista)

GOTTARDO S., SEMENZIN E., AGOSTINI P., CRITTO A., **MARCOMINI A.** *Supporting tools for decisional process within Water Framework Directive: from EU context to MODELKEY perspective*, Sustainable Use and Development of Watersheds. NATO Science for Peace and Security, Series C: Environmental Security, AMSTERDAM, SPRINGER, pp. 215-225 (ISBN 9781402085574) (Articolo su libro)

2007

MICHELETTI C., CRITTO A., **MARCOMINI A.** *Assessment of ecological risk from bioaccumulation of PCDD/Fs and dioxin-like PCBs in a coastal lagoon*, in ENVIRONMENT INTERNATIONAL, vol. 33, pp. 45-55 (ISSN 0160-4120) (Articolo su rivista)

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