



Europass Curriculum Vitae

Personal information

Surname(s) / First name(s) **Zanetti Mariachiara**

Address(es)

Telephone(s)

Fax(es)

E-mail mariachiara.zanetti@polito.it

Nationality Italian

Date of birth

Gender Female

Work experience

Dates

From 1/4/2018 Member of Sea Side Control Board

From 1/3/2018 Member of Italgas Acqua Control Board

From 1/1/2017 till 1/10/2017 Member of Napoletana Gas Control Board

From 1/1/2017 till 1/7/2018 Member of ACAM Gas Control Board

From 1/12/2016 Member of ITALGAS Reti Control Board

From 31/5/2014 till 17/12/2014 Member of TARANTO ENERGIA Control Board

From 31/5/2014 till 1/4/2016 Member of SANAC Control Board

From 31/5/2014 till 1/4/2016 President of INNSE Cilindri Control Board

From 1/10/2013 till 1/4/2016 Member of ILVA Control Board

From 1/1/2013 Member of Arpa Piemonte Scientific Committee

From 1/10/2012 till 1/6/2017 Member of Fidia Administration Board

From 1/10/2015 Vice Head of the Engineering Department of Environment Land and Infrastructures (DIATI) of Politecnico di Torino

From 1/1/2012 till 30/9/2015 Member of the Advisory Board of Politecnico di Torino

From 1/1/2012 till 30/9/2015 Head of the Engineering Department of Environment Land and Infrastructures (DIATI) of Politecnico di Torino.

From 1/10/2008 till 31/12/2011 Head of the Engineering Department of Land, Environment and Geotechnologies of Politecnico di Torino

From 1/11/2006 Full Professor at Politecnico Torino in Environmental Sanitary Engineering

From 1/12/2002 till 31/10/2006 Associate Professor at Politecnico Torino in Environmental Sanitary Engineering

From 1/10/1996 till 30/11/2002 Researcher in Raw Material Engineering

May 1994 PhD in Chemical Engineering at Politecnico di Torino

July 1989 Master Science Degree in Mining Engineering at Politecnico di Torino

Occupation or position held Full Professor at Politecnico Torino in Environmental Sanitary Engineering.
 Vice Head of the Engineering Department of Environment Land and Infrastructures (DIATI) of Politecnico di Torino.
 Leader of the "Environmental Sanitary Engineering" research group (current composition, June 2015: 2 Full professors, 5 Associate professors, 6 Assistant professors, 4 Research associates, 4 PhD candidate).
 Member of Italgas Acqua Control Board
 Member of Sea Side Control Board
 Member of ITALGAS Reti Control Board
 Member of Arpa Piemonte Scientific Committee

Main activities and responsibilities Development of applied research in Environmental Sanitary Engineering by means of private and/or public financial grants and the organization of research teams. Her main scientific activity is focused on environmental technologies for wastewater treatment, waste recycle and reuse, contaminated land characterization and cleaning, environmental risk analysis. She managed several projects financed by public and private entities aimed to the development of new technologies in order to achieve the environmental sustainability.
 She was lecturer of bachelor and master degree courses concerning methods and technologies for the environmental impact minimization of human activities. She was also lecturer in several post master degree courses performed by Politecnico di Torino, Hydroaid e Università di Parma in Italy and Brasil.
 She is the author of Environmental Engineering MOOC at Uninettuno University.
 She is author of more than 230 publications of which 67 on referred journals and 14 as book chapters.

Name and address of employer Politecnico Torino, DIATI, C.so Duca degli Abruzzi 24 10129 Torino, ITALY
 Type of business or sector University

Personal skills and competences

Mother tongue(s) Italian

Other language(s)

Self-assessment

European level (*)

Language

Language

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
E	B2	C1	B2	B2	B1
F	A2	B2	A1	A2	A1
E	A2	B2	A1	A1	A1

(*) Common European Framework of Reference for Languages

Organisational skills and evaluator competences

Peer reviewer of Environmental Progress, Journal of Hazardous Materials, Waste Management, Waste Management & Research, Resources Conservation & Recycling, Desalination, Chemical Engineering, Environmental Engineering and Management, Environmental Science & Pollution Research, Environmental Technology, Journal of Cleaner Production, Journal of Hazardous Materials, Associate Member of the Third World Organization for Women in Science
Member of RemTech Scientific Committee
Member of Scientific Committee of Industrial and Hazardous Waste Management CRETE Congress
Member of Scientific Committee of CEST 2017 Congress
Member of Scientific Committee of UDM 11th International Conference on Urban Drainage Modelling
Member of Scientific Committee of WaterEnergyNexus 2018 International Conference
Member of Scientific Committee of 4th Convegno Mater 2019 International Conference

Member of International Waste Working Group
Commissioner ANVUR national certification
Member of the SIR Selection Committee (MIUR)
Evaluator of TACIS EC programme
Evaluator of MIUR FAR programme (DM 593/2000)
Evaluator of MAP PON PIA Innovation programme
Evaluator of MANUNET Research Projects (FESR POR Piedmont Region, FINPIEMONTE)
Evaluator of PMI Research Projects (FESR POR Piedmont Region, FINPIEMONTE) since 2010
Evaluator of Micro Research Projects (FESR POR Piedmont Region, FINPIEMONTE) since 2011
Evaluator of MANUNET Research Projects (FESR POR Piedmont Region, FINPIEMONTE) since 2011

Technical skills and competences

Her main competences and technical skills are focussed on the following topics:

Reclamation of polluted sites

Investigation and tests of advanced remediation technologies.

Characterization of polluted sites. Health risk analysis models application.

Research studies concerning the interactions between organic pollutants (phenols, aromatic hydrocarbons, chlorinated hydrocarbons) and natural soils by means of batch tests.

Analysis of the biogas and leachate production in landfills.

Recovery of industrial waste products and assessment of industrial costs

Physical and chemical characterization, leaching tests on waste products (exhaust foundry sand, dust, sludge and slag, exhaust battery, grinding scraps, automobile shredder residues, paint sludge, rubber from end-of-life tires) coming from industrial plants and design of treatment processes for the recycle of valuable materials.

Assessment of the environmental compatibility of the employment of crumb rubber from end-of-life tires and paint sludge from automotive industry in road pavements using environmental-sanitary risk analysis procedures.

Tests in a batch and semi-continuous mode for the assessment of the feasibility of energy production from the anaerobic digestion of agro-industrial waste products. Energy and economic balances.

Tests on several pre-treatment processes (mechanical, thermal, chemical, biological) for the improvement of energy production from the anaerobic digestion of waste activated sludge from WWTPs. Energy and economic balances.

Treatment of drinking water and wastewater

Advanced oxidation process (ozonation) for the abatement of ammonia from municipal and industrial wastewaters. Investigation of the role of several operating parameters (pH, ozone concentration, alkalinity content, halide presence) in a lab-scale reactor.

Disinfection byproducts evaluation by means of chemical analyses and statistical approach.

Advanced membranes technologies.

Minimization of water consumption and reuse / recycle in industrial plants (automotive, food) according to the BAT Reference Documents.

Additional information

In my work activity I cooperated with the following private/public entities:

- IEA
- CNR
- Barricalla S.p.a.
- A.M.I.A.T.
- Regione Piemonte
- CSI Piemonte
- CFF Recycling (Derichembourg)
- Ecopneus
- Fondazione Eni Enrico Mattei
- GRUPPO MINERALI
- TEKSID S.p.a
- SMAT
- AHLSTROM S.p.a.
- NETWORK EUROPEO: Foundry waste (EU-contract No. BRRT-CT97-5048)
- TRM S.p.a.
- PROVINCIA DI TORINO
- REGIONE PIEMONTE
- SIMPRO S.p.a
- CORCOS INDUSTRIALE S.p.A
- ARPA Piemonte
- AIMERI S.p.A.
- ITALGAS S.p.A.
- ACCIAIERIE BELTRAME
- CONTENTOTRADE
- VOMM
- ALENIA
- SODAI
- FIAT GROUP AUTOMOBILES
- CRF
- ENI
- ILVA
- IREN
- AIRU
- ENEL
- LAVAZZA
- PIAGGIO
- AIRU
- Italian Ministry of Public work
- Italian Ministry of Research
- Italian Ministry of Foreign Affairs
- International Water School Hydroaid

• Annexes

She was the leader of the following research projects:

MURST Research Projects:

COFIN 2011 (2011-2013) "Life cycle risk analysis of recycled waste products in road pavements", Politecnico di Torino Unit Responsible

Research Projects funded by the European Community:

• BANDO RICERCA INDUSTRIALE 2006 (CIPE) 2007/10, Research Project DIGESTED ENERGY(1/10/2007 - 30/09/2010), "Ottimizzazione della digestione di biomasse ad opera di microrganismi anaerobici", Project Coordinator Università di Torino, Politecnico di Torino Unit Responsible.

• POR-FESR 2007/13, Research Project SAFE FOOD CONTROL (1/10/2010 - 30/09/2013), "Development of innovative processes and techniques for production, conservation, transformation and valorization of Piedmont high-quality agricultural goods", Project Coordinator Agroinnova - Università di Torino, Politecnico di Torino Unit Responsible.

• POR-FESR 2007/13, Research Project ECO FOOD CONTROL (1/10/2010 - 30/09/2013), "Ricerca & Innovazione per il miglioramento della sostenibilità della filiera agroalimentare", Project Coordinator Politecnico di Torino Unit Responsible.

• LIFE+, LIFE10ENV/IT/000390 Tyrec4Life (1/09/2011 - 31/08/2015), "Development of innovative techniques to improve the efficiency of the employment of crumb rubber from ELVs in road pavements", Project Coordinator Provincia di Torino, Politecnico di Torino Unit Responsible.

• WATSAM, FED 2011/279-318 (1/08/2012 - 31/07/2015), "water & sanitation sector through capacity building and partnership development with Italian water organizations", Project Coordinator Hydroaid, Politecnico di Torino Unit Responsible.

• GREEN FACTORY FOR COMPOSITES - GREEN FACTORY 4COMPO financed from MIUR - POR FESR 2014/2020, Project Coordinator CRF, Politecnico di Torino DIATI Unit Responsible

• Renewable Energies for Water Treatment and Reuse in Mining Industries (REMIND, H2020-MSCA-RISE-2018) (1/12/2018 -30/11/2022)

Research Projects funded by Private or Public Entities:

1. Research project funded by SMAT S.p.A concerning the "Wastewater treatment plant: sludge management, modeling and struvite production", 2018.

2. Research project funded by Lavazza S.p.A. concerning the "Biomass characterization and methane potential evaluation", 2018.

3. Research project funded by Iren S.p.A. concerning the "Evaluation of the consequences in terms of air quality of a cogenerative district heating system. Analysis of the following cities: Asti, Novara, Parma, Piacenza, Reggio Emilia e Vercelli", 2018.

4. Research project funded by Iren S.p.A. concerning the "Evaluation of the consequences in terms of air quality of a cogenerative district heating system (in particular analysis of the Turin case study)", 2017.

5. Research project funded by SMAT S.p.A concerning the "Analysis and implementation of a modelling system for the atmospheric dispersion of odorous effluents", 2017.

6. Research Project FCA - PoliTo 2017 "Circular economy for recovery and recycling of car materials", 2017.

7. Research Project FCA "Evaluation of paint sludge employment in bituminous mixtures", 2017.

8. Research project funded by ALENIA S.p.A. concerning the "Environmental impact evaluation", 2017.

9. Research project funded by Lavazza S.p.A. concerning the "Biomass characterization and methane potential evaluation", 2017.

10. Research project funded by Hydroaid concerning the "Teaching performance for the preparation of the contents of an e-learning course dedicated to the planning and management of water supply systems", 2016.

11. Research project funded by ILVA S.p.A. concerning the "Technical analysis of investments", 2015.
12. Research project funded by Mapei S.p.A. concerning the "Environmental impact evaluation of foaming agents", 2015.
13. Research project funded by ALENIA S.p.A. concerning the "Environmental impact evaluation", 2015.
14. Research project funded by Fenice S.p.A. concerning the "Optimization of the management of wastewaters coming from the FCA plant located in Verrone (BI)", 2015.
15. Research project funded by FIAT Group Automobiles concerning the "Life cycle assessment of vehicles", 2015.
16. Research project funded by SODAI S.p.A. concerning the "Research of the best operating condition for the treatment with ozone of wastewater containing ammonia", 2015.
17. Research project funded by SMAT S.p.A. concerning the "Optimization of anaerobic digestion of waste activated sludge from WWTPs using several kinds of pretreatments", 2012-2015.
18. Research project funded by SMAT S.p.A. concerning the "Monitoring of the presence of asbestos in drinking water samples", 2013-2015.
19. Research project funded by SMAT S.p.A. concerning the "Research of solutions for the improvement of the efficiency of the existing WWTP of Rosta, TO", 2015.
20. Research project funded by FIAT Group Automobiles concerning the "Assessment of the environmental compatibility of the employment of paint sludge from the Group plants in road pavements", 2013-2015.
21. Research project funded by Ecopneus Italia concerning the "Assessment of the environmental compatibility of the employment of crumb rubber from end-of-life tires in road pavements", 2012-2014.
22. Research project funded by Deloitte S.p.A. concerning the "Analysis of the remediation costs of Portovesme and San Gavino sites", 2012.
23. Research project funded by ECODECO S.p.A. concerning the "Risk analysis of Cavaglia landfill", 2011.
24. Research project funded by SKF Industrie S.p.A. concerning the "Improvement of the performances of the wastewater treatment plant located in Airasca (TO)", 2010.
25. Research project funded by Barricalla S.p.A. concerning the "Reuse of ashes from MSW incinerator as engineering material in landfills", 2010.
26. Research project funded by Italgas S.p.A. concerning the "Characterization and remediation of polluted sites", 2010.
27. Research project funded by FATA Group concerning the "Analysis of the existing data and characterization plan of the area in San Michele di Mondovì (CN) for the construction of the new combined cycle power cogeneration", 2010.
28. Research project with Prefetto di Alessandria concerning the "Characterization of the polluted site Ex-Ecolibarna located in Serravalle Scrivia (AL) and in situ pilot tests", 2007 and 2010.
29. Research project funded by FIAT Group Automobiles concerning the "Possible fates and valorization opportunities of paint sludge from FIAT group plants", 2009-2010.
30. Research project funded by Provincia di Torino concerning the "Performance assessment of the employment of crumb rubber from ELTs in asphalt pavements", 2008-2009.
31. Research project funded by ALENIA S.p.A. concerning the "Development of an environmental management system for North Caselle and South Caselle plants", 2009.
32. Research project funded by Sodai S.p.A. concerning the "Analysis of a liquid wastes treatment plant", 2009.
33. Research project funded by Farid S.p.A. concerning the "Analysis of the biogas production process from MSWOF", 2008.
34. Research project funded by CFF Recycling S.p.A. concerning the "Physical and chemical characterization and treatment design for the recovery of automobile shredder residues (ASR)", 2007-2008.
35. Research project funded by Ledoga S.p.A. concerning the "Analysis of the Ledoga production cycle", 2007.
36. Research project funded by Retrac S.R.L. concerning the "Physical and chemical analyses of rain samples coming from Volpiano plant", 2006 and 2008.
37. Research project funded by Comune di Torino concerning the "Application of the sanitary - environmental risk analysis procedure to artificial sports turf fields", 2006-2007.
38. Research project funded by SKF Industrie S.p.A. concerning "Treatments for the recovery of grinding scraps", 2006-2007.

39. Research project funded by Cartiere Ahlstrom concerning the "Chemical analysis of rain samples coming from Mathi Torinese plant", 2005-2006.
40. Research project funded by Acciaieria Beltrame concerning the "Physical and chemical characterization of waste products coming from the industrial process", 2005.
41. Research project funded by Aimeri concerning the "Analysis of groundwater and results comparison with the leachate characteristics of the Roasio landfill", 2005.
42. Research project funded by Provincia di Torino concerning the "IPPC application to industrial sites", 2005.
43. Research project funded by AMIAT S.p.A. concerning the "Evaluation of the efficiency of the biogas capitation system", 2005.
44. Research project funded by AMGA S.p.A. concerning the "Biogas energetic exploitation", 2005.
45. Research project funded by Acciaieria Beltrame S.p.A. concerning the "Evaluation of the gaseous emissions from a steel factory", 2005.
46. Research project funded by Studio Agletto S.R.L. concerning the "Evaluation of solid – liquid adsorption coefficients for aromatic hydrocarbons and chlorinated hydrocarbons by means of batch tests", 2004.
47. Research project funded by ACSR S.p.A. concerning the "Risk analysis procedure applied to the Borgo San Dalmazzo landfill", 2004.
48. Research project funded by ARPA Piemonte concerning the "Characterization plan of the Fiat Avio polluted site", 2004.
49. Research project funded by Barricalla concerning the "Analysis of the leachate quality and quantity of the Barricalla landfill", 2004.
50. Research project funded by Corcos Industriale S.p.A. concerning the "Site characterization and preliminary project design for an environmental remediation process", 2003-2004.
51. Research project funded by TRM S.p.A. concerning the "Analysis of technical and environmental features of three sites for the construction of the new thermo-valorization plant", 2003.
52. Research project funded by Provincia di Torino concerning the "Characterization and recovery of waste products coming from the secondary smelt foundries located in Torino surroundings", 2002-2004.
53. Research project funded by Teksid concerning the "Characterization and recovery of waste products coming from the Crescentino plant", 2001.
54. Research project funded by Safond S.r.l. concerning the "Analysis of the Safond treatment cycle for the recovery of foundry sands", 2001.
55. Research project funded by Safond S.r.l. concerning the "Analysis of the Gemco treatment", 2000.

Patents

Patent (Application number 102015000031447, filed 7/07/2015) concerning the "Process for the production of a modified binder by the use of paint sludge".

Patent (Application number 102016000093129, filed 15/09/2016) concerning the "Enhanced ozonation of wastewater containing high loads of ammonia nitrogen".

Didactic activity

Bachelor and Master degree

2016 – present: Teacher in charge in the Ms. D. course of Applied Environmental Engineering (in English) - Politecnico di Torino

2015/16 Teacher in charge in the Ms. D. course of Complementi di Ingegneria Sanitaria Ambientale - Politecnico di Torino

2008/09 – present: Teacher in charge in the Ms.D. course of Reclamation of Polluted Sites (in English) – Politecnico di Torino

2003/04 – 2011/12: Teacher in charge in the Bc.D. course of Tecnologie Ambientali dei Siti Produttivi – Politecnico di Torino

2004/05 – 2010/11: Teacher in charge in the Ms.D. course of Ingegneria Sanitaria Ambientale – Politecnico di Torino

2004/05 – 2007/08: Teacher in charge in the Ms.D. course of Tecniche di Bonifica dei Siti Contaminati – Politecnico di Torino
2004/05 – 2010/11: Teacher in charge in the Ms.D. course of Ingegneria Sanitaria Ambientale – Politecnico di Torino
2002/03 – 2003/04: Teacher in charge in the Bc.D. course of Dinamica degli Inquinanti – Politecnico di Torino
2001/02 – 2002/03: Teacher in charge in the Bc.D. course of Fondamenti di Ingegneria Sanitaria Ambientale – Politecnico di Torino

Post Graduate Master

2017/18: Teacher in charge assignment in the course "Environmental impact of products and manufacturing processes" (Master "New technologies and processes for hybrid materials finalized to automotive mechanical and electrical applications" organized as part of the project GreenFactory4Compo)
2017/18: Teacher in charge in the course of permanent learning INPS VALORE PA 2017 "Evaluation of the environmental compatibility" in Italian (Ambiente e tutela del Territorio – Valutazione della Compatibilità Ambientale).
2016/17: Teacher in charge in the course of permanent learning INPS VALORE PA 2016 "Environmental investigation and biological risk for workers in Italian (Ambiente e tutela del Territorio – L'indagine ambientale e il rischio biologico nell'ambiente di lavoro).
2011/12: Teacher in charge in the post Ms.D. course of Ottimizzazione degli Impianti di Depurazione – Politecnico di Torino
2002/03 – 2012/13: Teacher in the European post Ms.D. course in Environmental Engineering (COREP – Politecnico di Torino, in Italian)
2003/04 - 2008/09: Teacher in the post Ms.D. course in Management and Governance of the Integrated Water Service Cycle (Hydroaid, in English)
2008/09: Teacher in the post Ms.D. course in Supply System for Drinking Water, Irrigation and Sanitation (Hydroaid, in English), Brasilia
2003/04: Teacher in the post Ms.D. course in Science and Technology for the Sustainable Development in Contaminated Sites (Università di Parma, in Italian)
2006: Teacher and Organizer of the Risk Analysis Course for Arpa Piemonte.

Foreign relationship

2008/09: Teacher in the post Ms.D. course in Supply System for Drinking Water, Irrigation and Sanitation (Hydroaid, in English), Brasilia

Egitto, Corea, Cile, Etiopia, Bali, Us

PhD tutor and final exam

Forensic Engineering:

Malagrotta, Landfill 2539/12, 7675/11, 8817/11, 9062/11 (2014)
Saluzzo, Car fluff deposit 08/2220 (2009)
Asti, Way Assauto, 2038/2003, 2588/2003 (2008)
Terra del Paradiso, Compost 1751/08 (2008)
Acqui Terme, Digestor (2005)
Piani di Tiedoli, Landfill 1079/04, 5032/03 (2005)

Annexes Publications list

1. Zanetti, M.C. (1990) Integrated Uses of Geothermal Energy: the Example of Acqui Terme. *Sunen* 11, 1-2, 41-46.
2. Zanetti, M.C. e Genon, G. (1991) Monitoring and Modelling of an Industrial Wastes Landfill. *Atti Sardinia '91 Third International Landfill Symposium, Cagliari, Vol II, ottobre, 1711-1720.*
3. Saracco, G.; Zanetti, M.C. e Onofrio, M. (1993) Novel Application of Monovalent-Ion-Permselective Membranes to the Recovery Treatment of Industrial Wastewater by Electrodialysis. *I&EC Research* 32, 657 - 662.
4. Saracco, G.; Zanetti, M.C.; Onofrio, M. (1993) Transport phenomena in ionic membranes for edible salt production from sea water: theory, modelling and experiments. *Atti AIDIC, Maggio, 489 - 493.*
5. Zanetti, M.C. e Genon, G. (1993) Long-Term Impact of Industrial Wastes Landfills. *Atti Sardinia '93 Fourth International Landfill Symposium, Cagliari, Vol II, ottobre, 1265 - 1274.*
6. Zanetti, M.C.; Chiampo, F.; Cometto, D.; Conti, R.; Olivetti, M. e Silvestro, G. (1993) Biogas Production at Turin Landfill Site. *Atti Sardinia '93 Fourth International Landfill Symposium, Cagliari, Vol I, ottobre, 785 - 794.*
7. Zanetti, M.C.; Chiampo, F. e Conti, R. (1993) Influenza delle Modalità di Gestione di una Discarica RSU sulla Produzione di Biogas: Aspetti Economici. *Atti Second International Symposium on Combustion and Energy Recovery from M.S.W., Palermo, marzo, 289 -300.*
8. Zanetti, M.C.; Chiampo, F.; Cometto, D.; Silvestro, G.; Conti, R. (1994) Biogas Production varying landfill conditions. *Seventh International Symposium on Anaerobic Digestion, Cape Town, January, 438.*
9. Saracco, G.; Zanetti, M.C. (1994) Ion-Transport through Monovalent-Ion-Permselective Membranes. *I&EC Research*, 33, 96.
10. Zanetti, M.C. e Conti, R. (1994) Rilascio di microinquinanti di origine industriale da sedimenti fluviali. *13° Congresso Nazionale AIDII, 20-22 giugno, Torino, 160-163. ISBN 88-7963-023-7*
11. Zanetti, M.C.; Ostacoli, G.; Negro, G. e Conti R. (1994) Rilascio di microinquinanti presenti in sedimenti fluviali. *Atti Convegno di Ingegneria Chimica ed Electrochimica per la Prevenzione dell'Inquinamento, Chia (Cagliari), settembre, 9-10.*
12. Zanetti, M.C. e Genon, G. (1995) Prediction by lab tests of industrial leachate quality. *Atti SARDINIA '95 Fifth International Landfill Symposium, Cagliari, Vol III, ottobre, 213-222.*

13. Zanetti, M.C. (1995) Aspetti Problematici dello Smaltimento in Discarica. Atti Convegno Economia e Ambiente La Qualità della Vita nei Centri Urbani (Ricerche del Comitato Giorgio Rota), Torino, novembre, 91 -103. ISBN 88-7011-638-7.
14. Zanetti, M.C. e Genon G. (1996) Environmental Impact of an Industrial Waste Landfill. Atti The impact of Industry on Groundwater Resources, First International Conference, Cernobbio (Como), maggio, 173-183.
15. Zanetti, M.C. e Genon G. (1996) Characterization of the Leachate Quality According to Different Types of Landfill. Atti European Meeting on Chemical Industry and Environment, Alghero, Vol II, settembre, 553-560.
16. Zanetti M.C., Manna L. Genon G. (1997) Biogas Production Evaluation by means of Thermal Balances. Atti Sardinia 97, Vol. II, ottobre, 523.
17. Zanetti M.C., Marchese F., Genon G. (1997) Investigation on quality of landfilled MSW. Atti Sardinia 97, Vol. I, ottobre, 155-162.
18. Aglietto I., Zanetti M.C., Genon G. (1998) Recupero di Energia Termica ed Elettrica da una Discarica di Prima Categoria. Nota di lavoro Fondazione Eni Enrico Mattei, 1- 23.
19. Tonda, E., Zanetti M.C., Clerici C., Operto M. (1997) Iron Recovery from Foundry Wastes. Proceedings of the 1st National Congress Valorisation and Recycling of Industrial Wastes. Series of Monographs on Material Science, Engineering and Technology, L'Aquila, luglio, 89-96. ISBN 88-7000-304-3.
20. Zanetti, M.C. e Conti R. (1998) New Proposal for an Integrated MSW Management in Landfill. Journal of Solid Waste Technology and Management, Vol. 25, No.1, February, 1-8.
21. Tonda, E.; Zanetti, M.C.; Clerici, C.; Operto M. (1998) Valorizzazione dei Rifiuti di una Fonderia di Ghisa. GEAM, anno XXXV, No. 4, Dicembre, 273-277.
22. Godio, A., Guo, T., Vanni, M., Zanetti, M.C. (1997) Correlazione tra Parametri Idrogeologici e Caratteristiche Elettromagnetiche di Mezzi Porosi. Atti Convegno del Gruppo Nazionale di Geofisica della Terra Solida, Roma, 8-10 Novembre, pubblicati su CD-ROM.
23. Zanetti, M.C. e Genon, G. (1999) Physical Properties of Industrial Wastes. Resources, Conservation and Recycling, 25, 195-213.
24. Manna, L., Zanetti, M.C. e Genon, G. (1999) Modeling Biogas Production at Landfill Site. Resources, Conservation and Recycling, 26, 1-14.
25. Aglietto, I. e Zanetti, M.C. (1999) Confronto tra diverse soluzioni impiantistiche di recupero energetico di biogas prodotto in discarica controllata. GEA, 1, 21-32.
26. Godio A., Guo T.J., Zanetti M., Vanni M. e Fornari C. (1999) Caratterizzazione elettromagnetica di laboratorio per il monitoraggio di inquinanti. Monografia CNR – Progetto Strategico "Ambiente e Territorio" – Proposte di linee guida per la caratterizzazione, il controllo e la bonifica di siti inquinati. Editoriale Bios, 135-154. ISBN 88-7740-280-6.
27. Zanetti, M.C.; Civera, R. e Genon G. (1999) Validazione statistica e interpretazione di dati acquisiti mediante monitoraggio atmosferico. GEAM, anno XXXVI, No 2-3, giugno-settembre, 125-133.
28. Zanetti, M.C.; Giordanetto, L. e Clerici C. (1999) Recovery of an old landfill: wastes treatment and recycle. Proceedings Sardinia 99, Seventh International Landfill Symposium, ottobre, vol. IV, 595-600.
29. Godio, A.; Zanetti, M.C. e Giordanetto L. (1999) Geophysical site investigation for landfill mining. Proceedings Sardinia 99, Seventh International Landfill Symposium, ottobre, vol. IV, 587-594.
30. Fiore, S.; Zanetti, M.C. e Onofrio M. (1999) Treatment process definition for the reuse of manufacturing dusts from metallurgical slugs. Proceedings of the 2nd National Congress Valorisation and Recycling of Industrial Wastes. Series of Monographs on Material Science, Engineering and Technology, L'Aquila, luglio, 117-125.
31. Zanetti, M.C.; Clerici, C.; Sandrin, D. e Operto, M. (2000) Employment of foundry wastes. XXI International Mineral Processing Congress, Roma, 23-27 luglio, C12a-9-C12a-14, ISBN: 0-444-50283-1.
32. Zanetti, M.C.; Fiore, S. e Genon G. (2000) Wastewater reuse for industrial aims: the Po Sangone case International Conference H2Obiettivo 2000, 3-5 maggio, Torino, 475-483.
33. Zanetti, M.C. and Genon G. (2000) Industrial water reuse from the effluent generated by a domestic water treatment plant. 1st World Congress of the International Water Association, 3-7 luglio, Parigi, CD-Rom, F-2284, ISBN: 2-9515416-0-0.

34. Zanetti, M.C., S. Fiore and Genon G. (2000) Water reuse for industrial and agricultural aims. Proceedings of SIDISA 2000 Congress, International Symposium on Sanitary and Environmental Engineering, Trento, 18-23 settembre, 87-94.
35. Zanetti, M.C. and S. Fiore. (2003) Foundry processes: green molding sands recovery for core operations. Resources, Conservation and Recycling, vol. 38, Issue 3, 243-254.
36. S. Fiore and Zanetti M.C. (2001) Valorization of fine particles coming from the treatment of green foundry sands. III Congress and International Exhibition "Added value and recycling of industrial waste" 25-29 giugno, L'Aquila, Italia, 430-435.
37. Zanetti M.C. (2001) Industrial tests for the recovery of landfilled molding sands. Proceedings Sardinia 2001, Eighth International Landfill Symposium, Vol. IV, ottobre, 511-519.
38. Fiore, S., Zanetti M.C., Lazovic N. and Genon G. (2001) Retention of phenols in soil. Proceedings Sardinia 2001, Eighth International Landfill Symposium, Vol. III, ottobre, 283 -292.
39. Zanetti, M.C. and Fiore S. (2003) Foundry wastes recycling in foundry molding operations and in the ceramic industry. Waste Management & Research, Vol. 21, No.3, 235 - 242.
40. Zanetti, M.C., Fiore S., Bozzola G. (2001) Prove industriali per il recupero e la valorizzazione di scorie di fonderia. RICICLA 2001, Rimini Fiera, 26-29 settembre, 289- 296.
41. Zanetti, M.C., Fiore S. and Genon G. (2001) Wastewater reuse for the paper industry. IWA 2001, Berlino, ottobre, CD-ROM.
42. Zanetti, M.C., Fiore, S. and Genon G. (2001) Riutilizzo acqua depurata per scopi irrigui. Atti Conferenza Internazionale "Water and Irrigation Development", Cremona, 25 - 27 settembre 2001, 557 -566 .
43. Genon G., Zanetti M.C., Fiore S. (2001) Problemi e prospettive di riuso di acque reflue depurate in aree metropolitane. Riuso delle acque: esperienze a confronto. Atti Convegno nazionale "Riuso delle acque: esperienze a confronto" Prato - 30 novembre 2001, 1-12.
44. Zanetti M.C., Fiore S., Clerici C. (2004) Reuse of foundry sands for cores and glass production. Journal of Solid Waste Technology and Management, Vol. 30, n. 1, 28 -36.
45. Genon G., Fiore S., Zanetti M.C. (2002) Municipal and Industrial Wastewaters Joined Biological Treatment: a Case Study. ISWA 2002, 8-12 luglio, Istanbul, 1641 - 1646, ISBN: 975-518-184-9 (3.c).
46. Zanetti M.C., Genon G., Fiore S. (2002) Riuso di Acque Reflue Depurate in Aree Metropolitane: un Caso di Indagine di Utenza. Proceedings International Congress VI SIBESA , 1-5 settembre 2002, Vitoria, Brasile, CD-ROM.
47. Godio A., Zanetti M.C., Vanni M., Genon G. (2002) Monitoraggio di Idrocarburi Leggeri in Mezzi Porosi: Test di Laboratorio. Proceedings International Congress VI SIBESA , 1-5 settembre 2002, Vitoria, Brasile, CD-ROM.
48. Fiore S., Zanetti M.C., Genon G. (2002) Studio Sperimentale dei Processi di Assorbimento di Fenoli in un Terreno Naturale. Proceedings International Congress VI SIBESA , 1-5 settembre 2002, Vitoria, Brasile, CD-ROM.
49. Genon G., Zanetti M.C. Sistemi di Trattamento Biologico: Bilanci di Massa ed Energia e Analisi di Impatto. (2002) Proceedings International Congress VI SIBESA , 1-5 settembre 2002, Vitoria, Brasile, CD-ROM.
50. Genon G., Zanetti M.C., Fiore S. (2002) Rimozione di Composti Organo-Alogenati Mediante Ferro Zero-Valente. Atti VII Congresso Nazionale di Chimica Ambientale, 11-14 giugno 2002, Venezia, 221-222.
51. Fiore S., Zanetti M.C., Genon G. (2002) Studio Sperimentale dell'Influenza del pH sui Meccanismi di Trasporto di Fenoli nel Terreno. Atti VII Congresso Nazionale di Chimica Ambientale, 11-14 giugno 2002, Venezia, 309-310.
52. Fiore S., Zanetti M.C., Genon G. (2002) Experimental Study of the pH Influence on the Transport Mechanisms of Phenols in Soil. Atti Journee Franco-Italiennes de CHIMIE, 18-19 aprile 2002, Juan-Les-Pins, 48.
53. Ferri A., Zanetti M.C., Banchemo M., Fiore S., Manna L. Remediation of Contaminated Soils by Supercritical Carbon Dioxide Extraction. Atti EGS (European Geophysical Society Congress) 27th General Assembly, Nizza 21-26 aprile 2002, Vol.4, CD-ROM ISSN 1029-7006.
54. Cazzola C., Clerici C., Zanetti M.C., Ferri A., Lauria E., Wojtowicz, M. (2002) Studio sperimentale sulla possibilita di dispersione delle fibre di amianto nei terreni. Atti A.I.D.I.I. 20° Congresso Nazionale degli Igienisti Industriali, 19 - 21 giugno 2002, 166 - 170. ISBN 88-7963-137-3.
55. Fiore S., Zanetti M.C., Genon G. (2003) Experimental study of the pH influence on the transport mechanisms of phenols in soil. Annali di Chimica, Journal of Environmental Chemistry, 93, Issue 5-6, 595-605.

56. Zanetti, M.C., Fiore S., Clerici C. (2003) Recycling and Reutilization of Cast Foundry Wastes. XXII International Mineral Processing Congress, Cape Town 28 - 3 ottobre 2003, 1836 - 1844, ISBN: 0-958-46092-2.
57. Zanetti, M.C., Genon G. (2003) Valutazione delle potenzialità di riutilizzo ad uso irriguo di acque di scarico provenienti da depuratori. Atti XX Giornata dell'Ambiente "Accettabilità delle acque per usi civili ed agricoli", Accademia dei Lincei, 5 giugno 2002 Roma, 245 - 252, ISBN: 88-218-0895-5.
58. Zanetti, M.C., Fiore S. and Genon G. (2003) Contaminated Aquifer Remediation by means of zero-valent barriers. ORBIT 2003 Congress, Perth 30 Aprile - 2 maggio 2003, Part II, 572 - 579.
59. Lazovic Natasa, Zanetti M.C., Fiore S., Genon G. (2003) Prediction of Phenols Soil Retention Factor and Influence on the Pollutant Dynamics. ORBIT 2003 Congress, Perth 30 Aprile - 2 maggio 2003, Part II, 592 - 601.
60. Zanetti M.C., Fiore S., Sethi R., Genon G., Di Molfetta A. (2003) In situ Remediation by means of Zero-Valent Iron Reactive Barriers: Laboratory Tests. Atti SARDINIA 2003, CD-ROM.
61. Lazovic Natasa, Zanetti M.C., Fiore S. (2003) Analisi dell'Assorbimento dei Fenoli nel Suolo e Influenza nella Dinamica degli Inquinanti. Siti Contaminati, n. 3/2003, 128 - 137.
62. Fiore S., Zanetti M.C. Degradation of chlorinated solvents by zero-valent iron materials. (sottomesso a Journal of Sustainable Planning and Development)
63. Genon G., Zanetti M.C. (2003) Il riutilizzo in campo industriale: studi ed esperienze. Atti 23° Giornata di Studio di Ingegneria Sanitaria Ambientale, Cremona 20 novembre 2003, 1-9.
64. Fiore S., Zanetti M.C., Aglietto I. (2004) Valutazione preliminare dell'efficienza di due materiali a base di ferro zero-valente nella degradazione di elevate concentrazioni di TCE e PCE. Siti Contaminati, 1, 2004, 34-49.
65. Genon G., Zanetti M.C., Seren Tha M., Fiore S. (2004) Environmental effect of road runoff immission: evaluation and proposal of solution. 6th Specialist Conference on Small Water & Wastewater Systems, 11-13 febbraio 2004, Perth Australia, CD-ROM.
66. Zanetti M.C., Fiore S. Genon G. (2004) Remediation of Trichloroethylene by Zero-Valent Iron Permeable Reactive Barriers. Brownfields 2004, 16 - 16 giugno 2004, Siena, ISBN 1-85312-719-1, 125-134.
67. Zanetti M.C. (2004) Prove di Laboratorio per la Valutazione dell'Efficienza delle Barriere Reattive. Seminario di aggiornamento professionale "Tecnologie di Bonifica: la Corretta Esecuzione dei Test Pilota", CFA, Milano 4 marzo 2004, 1-30.
68. Lazovic N., Zanetti M.C. (2004) Numerical Modelling of the Diffusive Transport of Phenol and 2-Nitrophenol in Two Mineral Barriers. Atti Saturated and Unsaturated Zone Conference, Roma 5-7 maggio 2004, ISBN 88-7830-387-9, 189-196.
69. Zanetti M.C., Fiore S., Ruffino B., Clerici C. (2004) Waste characterization and reuse in a aluminium and magnesium foundry. AMIREG 2004, 7-9 giugno 2004, Creta, ISBN 960-88153-0-4, 413-418.
70. Zanetti M.C. (2004) Fattibilità del riutilizzo industriale. Atti 26° Giornata di Studio di Ingegneria Sanitaria Ambientale "Il riutilizzo delle acque reflue, aspetti impiantistici e gestionali", Verona 16 aprile 2004, 1-10.
71. Zanetti M.C. e Genon G. (2004) Applicazione di modelli previsionali per la valutazione della produzione di biogas nella discarica A.M.I.A.T. di Torino. Atti SIDISA 2004, 23-25 giugno 2004, Taormina, ISBN: 78-7850-001-1.
72. Genon G., Fiore S. e Zanetti M.C. (2004) Fitodisidratazione di fanghi di depurazione ad elevato contenuto di sostanze organiche. Atti SIDISA 2004, 23-25 giugno 2004, Taormina, ISBN: 78-7850-001-1.
73. Poggio M., Zanetti M.C., Genon G., Fiore S., Marchese F. (2004) Criteri di valutazione per gli interventi di risparmio idrico. Atti SIDISA 2004, 23-25 giugno 2004, Taormina, ISBN: 78-7850-001-1.
74. Zanetti M.C., Genon G. (2004) Recycle of used tyres: cryogenic disintegration and reuse of the obtained products. Atti International Conference on Sustainable Waste Management and Recycling, 14 - 15 settembre 2004, London, ISBN 0-7277-3286-2, 119 - 126.
75. Zanetti M.C., Fiore S., Poggio M. (2004) Test di laboratorio per la valutazione preliminare dell'efficienza del ferro zero-valente per il trattamento di acque acide di miniera. Siti Contaminati, 3, 2004, 70 - 84.
76. Zanetti, M.C., Ruffino B. e Fiore S. (2004) Soil flushing mediante HRC-X Regenesi di un suolo inquinato da PCE: test di laboratorio Siti Contaminati, 4, 2004, 192-195.

77. Fiore, S., Zanetti M.C. e Ruffino B. (2005) Waste characterization and recycle in a aluminium foundry. *Resources, Conservation and Recycling*, 45 (2005) 48 - 59.
78. Zanetti, M.C. and Fiore S. (2005) Evaluation of mutual connections between zero-valent iron reactivity and groundwater geochemistry in trichloroethylene degradation *Annali di Chimica*, Vol. n. 95, Issue 11-12, 779-789.
79. Zanetti, M.C. (2005) Tecniche per la riduzione dei fanghi in impianti di depurazione. Monografia CISM, International Centre for Mechanical Sciences, 39-49, ISBN 88-85137-18-0.
80. Ruffino B., Zanetti M.C. e Fiore S. (2005) Minimization and Recycling of Waste coming out from a Magnesium Foundry. *Atti SARDINIA 2005*, 1-8 CD ROM
81. Poggio M., Zanetti M.C., Luciani P. e Genon G. (2005) Hydrological and Chemical Factors Affecting Leachate in comparison with Legislative Required Tests. *Atti SARDINIA 2005*, 1-10 CD ROM
82. Fiore S., Ruffino B., Zanetti M.C. (2005) Test di laboratorio per la valutazione dei processi di assorbimento dei fenoli in un suolo naturale XV Congresso della Società Italiana di Ecologia, Torino. CD-ROM.
83. Zanetti, M.C., Fiore S. Problems and perspectives concerning the reclaimed waters reuse. *Proposto a Journal of Sustainable Planning and Development* (Gennaio 2005).
84. Zanetti, M.C. and Godio, A. (2006) Recovery of foundry sands and iron fractions from an industrial waste landfill. *Resources, Conservation and Recycling*, 48, 396-411.
85. Zanetti M.C. (2006) Il controllo dei flussi inquinanti nei siti industriali. Vol. 6, Capitolo 7 in "Edilizia per l'industria, i trasporti e i servizi". UTET SCIENZE TECNICHE, 81 – 85, ISBN 88-02-07284-1.
86. Marini P., Zanetti M.C., Ruffino B. (2006) Pre-treatment tests for the recovery of exhaust tests for the recovery of exhaust portable accumulators. XXIII IMPC, ISBN 975-7946-27-3, 2158 – 2162.
87. Fiore S., Zanetti M.C., Ruffino B. (2006) Analysis of produced wastes in steel casting: suggested technical solutions. XXIII IMPC, ISBN 975-7946-27-3, 2158 - 2162.
88. Ruffino B., Zanetti M.C. (2006) Bonifica di terreni contaminati da ipa leggeri mediante anidride carbonica supercritica: individuazione delle condizioni di estrazione piu' vantaggiose e valutazione dei costi di un impianto in piena scala. *Siti Contaminati*, 1, 2006, 126-141.
89. Fiore S., Zanetti M.C. (2006) Industrial treatment processes for the recycling of green foundry sands. *Waste Management and the Environment III*. ISBN 1-84564-173-6, 67 -76.
90. Ruffino B., Zanetti M.C., Genon G. (2006) Remediation of contaminated soils by supercritical carbon dioxide extraction. *MPES 2006*, ISBN 88-901342-4-0, 325-330.
91. Ruffino B., Zanetti M.C., Genon G. (2006) Bonifica di terreni contaminati da naftaline mediante estrazione con anidride carbonica supercritica: ottimizzazione delle condizioni operative e analisi dei costi. *SIBESA 2006*, CD-ROM 1-11.
92. Zanetti M.C., Fiore S. (2006) Trattamenti industriali per il recupero di sabbie di formatura a verde. *SIBESA 2006*, CD-ROM, 1-8.
93. Ruffino B., Zanetti M.C., Genon G. (2006) Bonifica di suoli inquinati da idrocarburi policiclici aromatici mediante anidride carbonica supercritica. Monitoraggio e controllo della qualità di risorse idriche e siti inquinati: il contributo di due progetti di ricerca di interesse nazionale. Edizioni CISA. ISBN: 88-7850-003-8, pp 235-270.
94. Ruffino B., Zanetti M.C. (2006) Recovery of Exhaust Magnesium Sands: Reclamation Plant Design and Cost Analysis. *Resources Conservation and Recycling*, 51(1), 203 – 209.
95. Zanetti M.C. (2006) L'esposizione: scenari, parametri e procedura di calcolo. *La Procedura di Analisi di Rischio*, Roma 25-27 settembre 2006, 94-110.
96. Ruffino B., Zanetti M.C., Genon G. Naphtalene and anthracene contaminated soils: remediation by means of supercritical carbon dioxide. Submitted to *Journal of Hazardous materials* (gennaio 2007)
97. Fiore S., Zanetti M.C., Ruffino B. (2008) Waste characterization in steel casting and Recycling Opportunities in Europe. *American Journal of Applied Sciences* 5, 512-518, 2008.
98. Zanetti M.C. (2008) Aerobic biostabilization of old MSW landfills. *American Journal of Engineering and Applied Sciences*, 5, 393-398

99. Zanetti M.C., Fiore S. (2007) Lab tests for the remediation of a PCE polluted site by means of HRC reactant. *American Journal of Environmental Science*, 3 (3), 151-157.
100. Fiore S, Zanetti M.C. (2007) Foundry wastes reuse and recycling in concrete production. *American Journal of Environmental Science*, 3 (3), 135-142.
101. B. Ruffino, M.C. Zanetti (2007) Bicarbonates and ammonia depletion in ozonized systems with bromide ions. *Sottomesso a Chemical Engineering Journal*
102. Zanetti M.C., Fiore S. (2007) Enhanced bioremediation of a PCE polluted Site. *VARIEREI 2007*, 27-29 giugno 2007. CD-ROM
103. Ruffino B., Zanetti M.C. (2007) Preliminary laboratory treatability tests of grinding scraps using surfactant aided washing, organic solvents extraction and supercritical carbon dioxide extraction. *VARIEREI 2007*, 27-29 giugno 2007. CD-ROM
104. Ruffino B., Zanetti M.C. (2007) Recovery of grinding scraps by means of aqueous surfactant washing. *Proceedings of Secotox Conference. SKIATHOS 2007*, 24-28 giugno 2007, 1809-1814. ISBN 978-960-89818-0-5.
105. M.C. Zanetti, S. Fiore (2007) Utilizzo di HRC per l'abbattimento di solventi clorurati in falda e nella zona vadosa. *Atti Giornate di studio SITI CONTAMINATI Suolo, sottosuolo e sedimenti*. Roma, 15-16 novembre 2007, 57-69.
106. M.C. Zanetti (2007) *Atti Seminario AREL "I termovalorizzatori: smaltimento dei rifiuti e fonti alternative"* OEA – I, 36-40.
107. S. Sanviti, F. Serena, M.C. Zanetti (2007) "Aspetti Normativi e Amministrativi" in *Riutilizzo delle Acque Reflue con Destinazione d'Uso Industriale*, CIPA Editore, 30 – 88.
108. FIORE S; ZANETTI M.C., *Industrial treatment processes for recycling of green foundry sands*, *INTERNATIONAL JOURNAL OF CAST METALS RESEARCH*, pp. 435-438, 2008, Vol. 21 (6), ISSN: 1364-0461, DOI: 10.1179/136404608X373159
109. S. Cavallari, S. Fiore, M.C. Zanetti (2007) *Aspetti tecnici del Riutilizzo Industriale delle Acque Reflue"* in *Riutilizzo delle Acque Reflue con Destinazione d'Uso Industriale*, CIPA Editore, 89 – 114.
110. M.C. Zanetti, G. Zanetti (2008) *Analisi delle problematiche energetiche ed ambientali in un'ottica di sviluppo economico*. *L'Industria*, Numero Speciale 2008, a. XXIX, 165-189, ISBN 978-88-15-12725-9
111. M.C. Zanetti (2008) *I costi ambientali. Le fonti dell'energia*, a cura di Sergio Carrà, il Mulino, 239 -256, ISBN 978-88-15-12415-9.
112. Ruffino B., Zanetti M.C. (2008) *Recycling of steel from grinding scraps: Reclamation plant design and cost analysis*. *Resources Conservation and Recycling*, n. 52, 1315 – 1321.
113. Zanetti M.C., Fiore S. (2008) *Bonifica di acqua di falda contaminate da reflui acidi di miniera mediante ferro zero-valente*. *Proceedings SIDISA 2008*, Firenze 24-27 giugno 2008, ISBN 978-88-903557-0-7
114. Marescalco P., Zanetti M.C. (2008) *Quale futuro per l'analisi di rischio sanitario ambientale ?* *Proceedings SIDISA 2008*, Firenze 24-27 giugno 2008, ISBN 978-88-903557-0-7
115. Ruffino B., Zanetti M.C. (2008) *Ossidazione accelerata dell'ammonio mediante ozonizzazione in presenza di ioni bromo*. *Proceedings SIDISA 2008*, Firenze 24-27 giugno 2008, ISBN 978-88-903557-0-7
116. Novarino D., Santagata E., Dalmazzo D., Zanetti M.C. (2008) *Caratterizzazione reologica di fanghi provenienti dalla depurazione di acque reflue*. *Proceedings SIDISA 2008*, Firenze 24-27 giugno 2008, ISBN 978-88-903557-0-7
117. Zanetti M.C., Godio A., Gilardi F., Binetti R., Laureri C. (2008) *Chlorine dioxide by-products predictive models for drinking water oxidation treatment*. *Water Science & Technology: Water Supply – WSTWS*, 8.3, 331-338.
118. Zanetti M.C., Godio A., Gilardi F., Binetti R., Laureri C. (2008) *Chlorine dioxide by-products predictive models for drinking water oxidation treatment*. *Proceedings IWA World Water Congress and Exhibition*, 7-12 September 2008, Vienna, Austria 1-9.
119. Ruffino B., Zanetti M.C. (2008) *Ammonia abatement by means of ozone in a system containing bicarbonates and bromides*. *Proceedings IWA World Water Congress and Exhibition*, 7-12 September 2008, Vienna, Austria 1-9.
120. Zanetti M.C., Novarino D. (2008) *Anaerobic digestion of MSW organic fraction: pilot tests*. *Atti Convegno GRICU 2008*, Le Castella (Kr), 14-17 settembre 2008, 777-782.

121. Panepinto D., Ruffino B., Zanetti M.C., Genon G. (2009) A standardized procedure for a pre-evaluation of the IPPC istance Proceedings of the 11th International conference on environmental science and technology, CEST 2009, Creta, GREECE 03 - 05/09/2009
122. Fiore S., Zanetti M.C. (2010) Wet regeneration treatment for the reclamation of waste foundry sands: a case study. *FOUNDRY TRADE JOURNAL INTERNATIONAL*, vol. 184 n. 3678, pp. 252-255. - ISSN 1758-9789
123. Novarino D., Zanetti M.C. (2011) Digestione anaerobica della frazione organica di RSU. In: *RS RIFIUTI SOLIDI*, vol. RS - RIFIUTI SOLIDI n. 3, pp. 165-172. - ISSN 0394-5391
124. Fiore S., Zanetti M.C. (2011) Evaluation of Hydrogen/Oxygen release compounds for the remediation of VOCs. *AMERICAN JOURNAL OF ENVIRONMENTAL SCIENCES*, vol. 7 n. 5, pp. 468-476. - ISSN 1553-345X
125. Ruffino B., Zanetti M.C. (2011) Bicarbonate and Ammonia Depletion in Ozonized Systems with Bromide Ion. In: *OZONE: SCIENCE & ENGINEERING*, vol. 33 n. 6, pp. 425-433. - ISSN 0191-9512
126. Ruffino B., Zanetti M.C., Marini P. (2011) A MECHANICAL PRE-TREATMENT PROCESS FOR THE VALORIZATION OF USEFUL FRACTIONS FROM SPENT BATTERIES. *RESOURCES CONSERVATION AND RECYCLING*, vol. 55, pp. 309-315. - ISSN 0921-3449
127. Ruffino B., Zanetti M.C. (2012) Experimental study on the abatement of ammonia and organic carbon with ozone. In: *DESALINATION AND WATER TREATMENT*, vol. 37 n. 1-3, pp. 130-138. - ISSN 1944-3994
128. Novarino D., Zanetti M.C. (2012) Anaerobic digestion of extruded OFMSW. In: *BIORESOURCE TECHNOLOGY*, vol. 104, pp. 44-50. - ISSN 0960-8524
129. Silvia Fiore, Barbara Ruffino, Maria Chiara Zanetti (2012) Automobile shredder residues in Italy: characterization and valorization opportunities. In: *WASTE MANAGEMENT*, vol. 32, pp. 1548-1559. - ISSN 0956-053X
130. S. Fiore, C. Roati, B. Ruffino, D. Novarino, F. Marchese, M.C. Zanetti (2012) Characterization and Lab Tests aimed to the anaerobic digestion of food-processing industrial wastes. In: *VENICE 2012, 4th International Symposium on energy from biomass and waste*, Venezia, 12-15/11/2012, pp. 1-12
131. Fiore S., Zanetti M.C., Cedrino A., Genon G., Meucci L., Fungi M., Peiretti S., Buffa P. (2012) Chlorate as disinfection by-product in Turin drinking water treatment plant: formation, monitoring, solution possibilities. In: *SIDISA 2012 Sustainable Technology for Environmental Protection*, Milan, 29-29/6/2012, pp. 1-8
132. Santagata E., Riviera P.P., Dalmazzo D., Lanotte M., Zanetti M., Fiore S., Ruffino B. (2012) Design and Construction of a Full-Scale Test Section with Asphalt Rubber Gap-Graded Wearing Course Mixture. In: *PROCEDIA: SOCIAL & BEHAVIORAL SCIENCES*, vol. 53, pp. 524-534. - ISSN 1877-0428
133. Cossu R., Fiore S., Lai T., Mancini G., Ruffino B., Viotti P., Zanetti M.C. (2012) Italian experience on automotive shredder residue: characterization and management. In: *CRETE 2012 Third International Conference on industrial and hazardous waste management*, Chania, Crete, Greece, 12-14/9/2012, pp. 1-22
134. Novarino D., Ruffino B., Genon G., Zanetti M.C. (2012) Mechanical and thermal lysis of waste activated sludge for anaerobic digestion optimization. In: *Venice 2012 - IV International Symposium on Energy from Biomass and Waste*, Venezia (IT), 12-15/11/2012, pp. 1-7
135. B. Ruffino, M.C. Zanetti (2012) Ozonation treatments for the abatement of ammonia and organic substances. In: *SIDISA 2012, 9th Edition International Symposium of Sanitary and Environmental Engineering*, Milano (IT), 26-29/06/2012, pp. 1-4
136. Blengini G.A., Fantoni M., Busto M., Genon G., Zanetti M.C. (2012) Participatory approach, acceptability and transparency of waste management LCAs: case studies of Torino and Cuneo. In: *WASTE MANAGEMENT*, vol. 32 n. 9, pp. 1712-1721. - ISSN 0956-053X
137. C. Roati, S. Fiore, B. Ruffino, F. Marchese, D. Novarino, M.C. Zanetti (2012) Preliminary evaluation of the potential biogas production of food-processing industrial wastes. In: *AMERICAN JOURNAL OF ENVIRONMENTAL SCIENCES*, vol. 8 n. 3, pp. 291-296. - ISSN 1553-345X
138. B. Ruffino, D. Dalmazzo, P.P. Riviera, E. Santagata, M.C. Zanetti (2012) Preliminary performance assessment of asphalt concrete with paint sludge from automotive industries. In: *3rd International Conference on Industrial and Hazardous Waste Management*, Chania, Crete (GR), 12-14/09/2012, pp. 1-8
139. B. Ruffino, S. Fiore, M.C. Zanetti (2012) Recovery of valuable fractions from automobile shredder residues (ASRs): perspectives and cost evaluation. In: *3rd International Conference on Industrial and Hazardous Waste Management*, Chania, Crete (GR), 12-14/09/2012, pp. 1-7

140. Santagata E., Dalmazzo D., Lanotte M., Zanetti M.C., Ruffino B. (2012) Relationship between Crumb Rubber Morphology and Asphalt Rubber Viscosity. In: AR2012 5th Asphalt Rubber "Roads of the Future" International Conference, Munich, Germany, October 23-26, 2012, pp. 513-532
141. Novarino D., Tosco T., Sethi R., Santagata E., Zanetti M. (2012) Rheological characterization of hydrogen release compounds for aquifer remediation. In: SIDISA 2012 - Sustainable Technology for Environmental Protection, Milano, 26-29 giugno 2012.
142. S. Fiore, B. Ruffino, M.C. Zanetti (2012) Treatment processes for the valorisation of End-of-Life Vehicles (ELVs) residues. In: SUM2012 Symposium on Urban Mining, Bergamo, Italy, 21-23/5/2012, pp. 165-172
143. Ruffino B., Fiore S., Zanetti M.C. (2013) Environmental risk analysis procedure applied to artificial turf sports fields. In: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH INTERNATIONAL, vol. 20, pp. 4980-4992. - ISSN 0944-1344.
144. Maria Chiara Zanetti, Silvia Fiore, Barbara Ruffino, Ezio Santagata, Michele Lanotte (2014) Assessment of gaseous emissions produced on site by bituminous mixtures containing crumb rubber. In: CONSTRUCTION AND BUILDING MATERIALS, vol. 67, pp. 291-296. - ISSN 0950-0618.
145. R. Cossu, S. Fiore, T. Lai, A. Luciano, G. Mancini, B. Ruffino, P. Viotti, M.C. Zanetti (2014) Review of Italian experience on automotive shredder residue characterization and management. In: WASTE MANAGEMENT, vol. 34, pp. 1752-1762. - ISSN 0956-053X.
146. Ruffino B., Fiore S., Zanetti M.C. (2014) Strategies for the enhancement of automobile shredder residues (ASRs) recycling: results and cost assessment. In: WASTE MANAGEMENT, vol. 34, pp. 148-155. - ISSN 0956-053X.
147. Ruffino B., Campo G., Genon G., Lorenzi E., Novarino D., Scibilia G., Zanetti M.C. (2015) Improvement of anaerobic digestion of sewage sludge in a wastewater treatment plant by means of mechanical and thermal pre-treatments: Performance, energy and economical assessment. In: BIORESOURCE TECHNOLOGY, vol. 175, pp. 298-308. - ISSN 0960-8524.
148. Zanetti M.C., Fiore S., Ruffino B., Santagata E., Dalmazzo D., Lanotte M. (2015), Characterization of crumb rubber from end-of-life tyres for paving applications. Waste Management, 45, 161-170. ISSN: 0956-053X, Elsevier.
149. Panepinto D., Ruffino B., Zanetti M.C., Genon G. (2016), A Standardized Procedure for a Pre-evaluation of the IED Instance. Environmental Management, 57(4), 847-855. ISSN: 1432-1009, Springer. DOI: 10.1007/s00267-016-0657-7.
150. Zanetti M.C., Santagata E., Fiore S., Ruffino B., Dalmazzo D., Lanotte M. (2016), Evaluation of potential gaseous emissions of asphalt rubber bituminous mixtures. Proposal of a new laboratory test procedure. Construction and Building Materials, 113, 870-879. ISSN: 0950-0618, Elsevier.
151. Campo G., Ruffino B., Zanetti M.C., Cerutti A., Scibilia G., Lorenzi E., Genon G. (2016). Thermoalkali pretreatment for the improvement of the anaerobic digestion of waste activated sludge in the largest Italian WWTP. Proceedings of Sludge Tech (University of Surrey, Guildford, UK, 27-
152. Ruffino B., Campo G., Cerutti A., Zanetti M.C., Scibilia G., Lorenzi E., Genon G. (2016). Enhancement of Waste Activated Sludge (WAS) anaerobic digestion by means of pre-treatments and intermediate treatments. Proceedings of CYPRUS 2016, IV International Conference on Sustainable Solid Waste Management (Limassol, Cyprus, 23-25/06/2016), pp. 1-15, electronic support.
153. Ruffino B., Zanetti M.C., Campo G., Cerutti A., Scibilia G., Lorenzi E., Genon G. (2016). Pre- and intermediate hybrid hydrolysis processes for the improvement of the anaerobic digestion of waste activated sludge. Proceedings of SIDISA 2016, X International Symposium on Sanitary and Environmental Engineering (Roma, Italy, 19-23/06/2016), pp. 1-11, electronic support.
154. Ruffino B., Campo G., Cerutti A., Zanetti M.C. (2016). Recent developments for the recovery of material and energy from waste activated sludge. Proceedings of SUM 2016, Third Symposium on Urban Mining (Bergamo, Italy, 23-25/05/2016), pp. 1-6, electronic support.
155. Fiore S., Ruffino B., Campo G., Roati C., Zanetti M.C. (2016). Scale up evaluation of the anaerobic digestion of food-processing industrial wastes. Renewable Energy, 96, 949-959. ISSN: 0960-1481, Elsevier.
156. Ruffino B., Campo G., Cerutti A., Zanetti M.C., Lorenzi E., Scibilia G., Genon G. (2016). Preliminary Technical and Economic Analysis of Alkali and Low-temperature Thermo-alkali Pretreatments for the Anaerobic Digestion of Waste Activated Sludge. Waste and Biomass Valorization, 7(4), 667-675. ISSN: 1877-265X, Springer.
157. Dalmazzo D., Vercelli A., Santagata E., Ruffino B., Zanetti M.C. (2017). Rheological characterization and performance-related evaluation of paint sludge modified binders. Materials and Structures, 50:74. ISSN: 1871-6873, Springer.
158. Campo G., Cerutti A., Zanetti M.C., Scibilia G., Lorenzi E., Ruffino B., (in press), Enhancement of waste activated sludge (WAS) anaerobic digestion by means of pre- and intermediate treatments. Technical and economic analysis at a full scale WWTP. Journal of Environmental Management, ISSN: 0301-4797, Elsevier.

159. Ruffino B., Zanetti M.C., (2017). Present and future solutions of waste management in a candied fruit – jam factory: optimized anaerobic digestion for on-site energy production. *Journal of Cleaner Production*, 159, 26-37. ISSN: 0959-6526, Elsevier.
160. Campo G., Cerutti A., Zanetti M.C., Scibilia G., Lorenzi E., Ruffino B., (2017). Pre- and intermediate hybrid treatments for the improvement of anaerobic digestion of sewage sludge: Preliminary results. *Journal of Environmental Engineering*, 143(9), 04017052. ISSN: 0733-9372, ASCE.