

**CURRICULUM VITAE
VINCENZO TORRETTA**



PERSONAL INFORMATION

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E-mail	vincenzo.torretta@uninsubria.it	
Master's Degree	Civil Engineering, University of Palermo (110/110 with honors)	
Doctoral Degree	Ph.D.: Environmental Engineering (V a.y.) Polytechnic of Milan	
Date of birth	7 September 1964	
ORCID ID	0000-0002-7494-1169	

CURRENT EMPLOYMENT

University	University of Insubria, Varese – Department of Theoretical and Applied Sciences, via G.B. Vico 46 – 21100 Varese, Italy
Role	Associate Professor (full time), Discipline ICAR/03, since November 1 st , 2006. Qualification for full professor level (2017)
Research activity	Energy recovery from biomass and waste, treatment of waste gas through biological processes, environmental and safety modelling, new technologies for treating wastewater, reuse of materials from solid waste, biological treatment of solid waste.

TEACHING ACTIVITY IN ITALY

since 2006	Professor in the graduate program in <i>Engineering for work safety and environment</i> - University of Varese, to the teachings of "Major Accidents and Risk Analysis", "Studies and Procedures of Environmental Impact" and "Advanced Environmental Engineering" (master). Courses taken in previous academic years: "Safety and Risk Analysis", "Risk of Major Accident", "Modeling for Environment and Safety", "Phenomena of Pollution", "Air Pollution", "Applied Ecology" and "Engineering Applied to Ecology". Professor in the Master of Science in Biotechnologies - University of Varese, for the teaching of "Biotechnological Processes for the Environment" (2015).
since 2006	Supervisor of more than 60 degree thesis at the University of Insubria in Varese, 4 Master's Degree at the University of Trento and 2 at the University of Basilicata.
since 2014	Professor of series of seminars on the territorial compatibility of industrial activities including those at risk of major accident, within Environmental Engineering (LT II methodological year) and Gest. Tech. Environmental (LT II professionalizing year) courses at the University of Trento.
since 2014	Professor of "Treatment of Gaseous Effluents by Biotrickling Filters" as part of the PhD in Chemical and Environmental Sciences - University of Insubria.

**TEACHING ACTIVITY AND
RESEARCH ABROAD**

Cooperation in joint research UFBA-Universidade Federal da Bahia, Salvador, Brasile

activities and contact person
for the framework agreements

- ❑ Politecnico di Bucarest, Romania
- ❑ Universidad Nacional de Santiago del Estero, Argentina
- ❑ University Lucian Blaga of Sibiu, Romania
- ❑ Ural Federal University, President of Russia B.N. Yeltsin, Russia.
- ❑ Gheorghe Asachi, Technical University of Iasi, Romania
- ❑ Aristotle University of Thessaloniki, Greece
- ❑ Salesiana University of Bolivia, La Paz
- ❑ Universidad Mayor de San Andrés, Bolivia

Contact person for research
projects and Erasmus

- ❑ Contact person, Erasmus agreement with Asachi Technical University, Iasi, Romania, Lucian Blaga University of Sibiu, Romania, Constanta Maritime University, Romania, Polytechnic of Bucharest, Romania, Technical University of Cartagena, Spain, Aristotle University of Thessaloniki, Greece, Riga Technical University, Latvia.
- ❑ Assignment by the Italian Ministry of Foreign Affairs for training and working group coordination at the University of Concepcion, Chile (1994).
- ❑ Scientific coordination of research activities and international cooperation projects with the Government of Bahia (Brazil) for the design of a biodiesel plant and the territorial plan of Pojuca river basin, Brazil (2007-2009).

Visiting Professor

- ❑ EULA-Universidad de Concepcion, Chile (Incarico del Ministero degli Affari Esteri (1991)
- ❑ Universidad Nacional de Sentiago del Estero, Argentina (2012)
- ❑ Università Lucian Blaga di Sibiu, Romania (2016)
- ❑ Aristotle University of Thessaloniki, Greece (2017 and 2018)

ASSIGNMENTS

- ❑ President Coordinator of Engineer Degree Course (Environmental and Safety Engineering) at the Insubria University of Varese, since 2012.
- ❑ Coordinator for the Insubria University for the Network of Universities for Sustainable Development - RUS, in the Conference of Italian University Rectors - CRUI.
- ❑ Member of managing Board of Silk Experimental Station of Milan, commissioned by Italian Ministry of Industry, Trade and Crafts, as deputy of Lombardy Region (2005-2006).
- ❑ President of Certisic (safety management system certification institute) 2010-2014.
- ❑ Advisor and Member of National Council of ANDIS (Associazione Nazionale di Ingegneria Sanitaria), 2010-2014.
- ❑ Member of IAIA (International Association for Impact Assessment) since 2010.
- ❑ Member of Scientific Technical Committee and Editorial Board on Biological, Pharmaceutical & Environmental Sciences of ISEM (Integrated Scientific Engineering and Management) since 2011.
- ❑ Member of AIDIC (Italian Association of Chemical Engineering) since 2013.
- ❑ Member of the three-year Commission for the allocation of research funds for University of Insubria, since 2015.
- ❑ Member of the Regional Risk Evaluation Committee of Lombardy Region 2004-2006.

EDITOR, REVIEWER AND PARTICIPATION TO EDITORIAL BOARD

- ❑ Member of the Editorial Board for the international journal Sustainability and Editor in Chief of the Section "Sustainable Use of the Environment and Resources" of Sustainability.
- ❑ Editor of International Journal of Sustainable Energy and Environment (IJSEE).
- ❑ Member of the Editorial board of European Journal of Sustainability.
- ❑ Member of the Scientific Advisory Board of Annals of the Academy of

Romanian Scientists, Series on Chemistry.

- ❑ Member of Scientific Advisory Board of Procedia Environmental Science, Engineering and Management.
- ❑ Member of the Scientific committee of Ingegneria dell'Ambiente.

Member of the following Editorial Boards:

- ❑ International Journal of Waste Management and Technology (IJWMT)
- ❑ European Journal of Sustainable Development Research

Reviewer for "peer review" technical journal, such as:

- ❑ Environmental Technology
- ❑ European Water
- ❑ Waste Management & Research
- ❑ Bioremediation & Biodegradation
- ❑ AIDIC publications of the Italian Association of Chemical Engineering
- ❑ Journal of Chemistry
- ❑ Journal of Hazardous Materials
- ❑ Waste Management
- ❑ International Journal of Environmental Protection
- ❑ Water, Air, & Soil Pollution
- ❑ Proceedings of ICE journal Waste and Resource Management
- ❑ Environmental Engineering and Management Journal
- ❑ Resources, Conservation & Recycling
- ❑ International Journal of Waste Resources
- ❑ OMICS Publishing Group
- ❑ Chemical Engineering Journal
- ❑ New Biotechnology
- ❑ Constructions & Building Material Journal
- ❑ Drying Technology
- ❑ Applied Energy
- ❑ Revista Ambiente & Agua
- ❑ Water Science and Technology
- ❑ Environmental Science and Technology
- ❑ Journal of Environmental Management
- ❑ Management of Environmental Quality
- ❑ International Journal of Environment and Waste Management
- ❑ Waste and Biomass Valorization
- ❑ Water Research
- ❑ Environmental Engineering Science
- ❑ Journal of the Air & Waste Management Association
- ❑ Fuel Processing Technology
- ❑ Journal of Cleaner Production
- ❑ Journal of Material Cycles and Waste Management
- ❑ Desalination and Water Treatment
- ❑ Toxin Reviews
- ❑ International Journal of Hydrogen Energy
- ❑ Science of the Total Environment
- ❑ Electronic Journal of Biotechnology
- ❑ Environmental Science and Pollution Research
- ❑ Journal of Environmental Planning and Management

**INTERNATIONAL AND NATIONAL
CONFERENCE ORGANIZATION**

International Conference Organizer:

- ❑ Trasporto di merci pericolose: criticità e pianificazione degli interventi, Varese, 2008

National Conference Organizer:

- ❑ Autorizzazione Integrata Ambientale (Varese, 2007)
- ❑ Digestione anaerobica (Varese, 2008)
- ❑ Valutazione di Impatto Ambientale (Varese, 2010)
- ❑ Rischi di incidente rilevante (Varese, 2011)
- ❑ Mobilità urbana sostenibile (Varese, 2011)
- ❑ Valutazione Ambientale Strategica (Varese, 2011)
- ❑ Sicurezza e impianti a biogas (Cremona, 2014)
- ❑ Prevenzione e controllo degli odori negli impianti di trattamento acque (Varese, 2014)
- ❑ La responsabilità amministrativa delle imprese: D.Lgs. 231/01: luci ed ombre (Varese, 2015)
- ❑ Disinfezione negli impianti di trattamento acque (Varese, 2015)
- ❑ Incidenti rilevanti e prevenzione incendi: evoluzione normativa e ricadute operative (Varese, 2015)
- ❑ Le analisi energetiche degli edifici (Varese, 2017)
- ❑ Filtri a prova di fumo e tecnologie di protezione passiva (Varese, 2018)
- ❑ Percorsi di sostenibilità: rifiuti, energia e mobilità – Esperienze a confronto (Varese, 2018)

Member of International Scientific Committee in International Conferences:

- ❑ Convegno Internazionale sulla Cooperazione allo Sviluppo: Soluzioni appropriate per Ambiente, Energia e Sviluppo Sostenibile, Varese 23-24 October 2007
- ❑ 6th International Conference on Manufacturing Science and Education – MSE 2013, Sibiu, Romania, 12-15 June, 2013
- ❑ XIV-a Conferință internațională – multidisciplinară, "Profesorul Dorin Pavel - fondatorul hidroenergeticii românești", Sebeș, Romania, 6 - 7 June 2014.
- ❑ VENICE 2014 – 5th International Symposium on Energy from Biomass and Waste – IWWG International Waste Working Group. 17-20 November 2014.
- ❑ International Symposium ISB-INMA TEH 2014 – Agricultural and mechanical Engineering, Polytechnic of Bucharest, Romania, 30-31 October 2014.
- ❑ 6th International Conference on Safety and Security Engineering – SAFE2015, Wessex institute, 6-8 may 2015, Opatija, Croatia.
- ❑ 7th International Conference on Manufacturing Science and Education – MSE 2015, Sibiu, Romania, 3-5 June 2015.
- ❑ 5th World Sustainability Forum, 7-9 September 2015, Centre for Teaching and Research of the University Hospital of Basel, Basel, Switzerland.
- ❑ 7th International Conference of Management and Industrial Engineering Management – The Key Driver for Creating Value - ICMIE 2015, October 22nd – 23rd, 2015, Polytechnic of Bucharest, Romania.
- ❑ International Symposium ISB-INMA TEH 2015 – Agricultural and Mechanical Engineering, Polytechnica University of Bucharest, 30 October - 1 November 2015, Bucharest, Romania.
- ❑ 1st International Conference on Engineering Technology and Applied Sciences – ICETAS 2016, Afyonkarahisar, Turkey, 21-22 April 2016.
- ❑ Technologies and Materials for Renewable Energy, Environment and Sustainability - TMREES16 International Conference, 8-11 May 2016, Beirut-Lebanon.
- ❑ 11th International Conference on Urban Regeneration and Sustainability - Sustainable City 2016, Wessex Institute, 12-14 July 2016 Alicante, Spain.
- ❑ International Multidisciplinary Symposium "Universitaria Simpro 2016", 7th Edition "Sustainable Development through Quality and Innovation in Engineering and Research", University of Petroșani, Romania, October 14-15, 2016.
- ❑ VENICE 2016 – 6th International Symposium on Energy from Biomass and Waste – IWWG International Waste Working Group. 14-17 November

2016.

- ❑ Technologies and Materials for Renewable Energy, Environment and Sustainability - TMREES17 Spring Meeting - International Conference, 21-24 April 2017, Beirut-Lebanon.
- ❑ 8th International Conference on Manufacturing Science and Education – MSE 2017, Sibiu, Romania, 7-9 June, 2017.
- ❑ 7th International Conference on Safety and Security Engineering – SAFE 2017, Rome, Italy, 6-8 September 2017.
- ❑ 8th International Conference of Management and Industrial Engineering “Management in the Innovation Society” - ICMIE 2017. October 12th – 14th, 2017, Library Building, University Politehnica of Bucharest, Romania.
- ❑ The 8th International Multidisciplinary Symposium “Universitaria SIMPRO2018 ” Challenges and opportunities for sustainable development through quality and innovation in engineering and research management”, University of Petroșani, October 11-13.
- ❑ VENICE 2018 – 7th International Symposium on Energy from Biomass and Waste – IWWG International Waste Working Group. 15-18 October 2018.
- ❑ 17th International Conference on Chemistry and the Environment. 16–20 June 2019, Aristotle University Research Dissemination Centre, Thessaloniki, Greece.

DOCTORAL SCHOOL IN ITALY AND ABROAD

- ❑ Attending the Doctoral School in Environmental and Chemical Sciences (DISCA) University of Insubria since 2008, 35.000 nel 2009, 70.000 nel 2010, 79.000 nel 2011, 24.000 nel 2012, 2012, 2013, 2014, 2015, 2016, 2017, 2018.
- ❑ Member of Extranational Committees of Ph.D. courses related to the environment at the Polytechnic of Milan, Italy (2011, 2017), University of Palermo, Italy, (2012), Polytechnic of Turin, Italy (2013, 2016), Polytechnic of Bucharest, Romania (2013), University of Brescia, Italy (2014, 2017), University of Pavia, Italy (2016, 2018), University of Trento, Italy (2017), University Rome La Sapienza (2018) and Lucian Blaga University of Sibiu, Romania (2018).

AWARDS

- ❑ Best Poster Awards, Sardinia 2013 – 14th International Waste management and Landfill Symposium (Santa Margherita di Pula – CA, 30 September-4 October 2013).
- ❑ BioMedLib due the highest number of citations (Ragazzi M, Tosi P, Rada EC, Torretta V, Schiavon M: Effluents from MBT plants: plasma techniques for the treatment of VOCs. Waste Manag; 2014 Nov;34(11):2400-6 - PMID: 25168185.
- ❑ Honorary Certificate for the outstanding scientific contribution, effort and support, delivered during the International Multidisciplinary Symposium SIMPRO 2016, 7th Edition, at the University of Petrosani, Romania, October 2016.
- ❑ Recognition with annual funding of basic research activities by the MIUR (Italian Ministry of Instruction and University) in 2017.
- ❑ Certificate of excellence delivered by the American Institute of Physics for the great contribution in the research field (Beirut, 2018)

PUBLICATIONS AND PARTICIPATIONS IN CONFERENCES

ISI-WoK/Scopus Publications

1. Gagliardi R.V., Torretta V., Conti F., Stella S., Bello G.C. (2007). A new evaluation methodology applied to the hazardous pipelines with the aim to determine a safety index supporting land-use planning strategies. Atti del 3rd IASME/WSEAS International Conference “Energy, environment ecosystems and sustainable development” - WSEAS, ISBN: 978-960-8457-88-1 – Agios Nikolaos, Crete, Greece, July 24-26, 2007.
2. Torretta V. (2008). Integrated project for sustainable development of the Pojuca river basin, Bahia State, Brazil. Atti del “14th Annual International Sustainable Development Research Conference”, India Habitat Center, New Delhi, India 21-23 Settembre 2008.

3. Torretta V. (2009). Transportation of dangerous substances: a Decisional Support System for risk analysis. Atti del Convegno "The 2009 International Conference on Chemical, Biological & Environmental Engineering (CBEE 2009) – Keynote speech – Singapore 9-11 Ottobre 2009 – ISBN 13 978-981-4293-46-4, ISBN 10 981-4293-46-6.
4. Torretta V., (2011). A case study of the safety management in WWTPs. *Journal of Environmental Science and Engineering*, pagg. 71-77, n.5-2011, ISSN: ISSN 0367-827 X.
5. Torretta V., (2012). PAHs in Wastewater: removal efficiency in a conventional wastewater treatment plant and comparison with model predictions. *Environmental Technology*, DOI: 10.1080/09593330.2011.599430, Vol.33 Issue 8, pp. 851-855, ISSN: 0959-3330 0043-1354.
6. Torretta V., Copelli S., Derudi M., Rota R., Pasturenzi C., Lunghi A. (2012). Safe optimization of 2-Octanol oxidation and Vinyl Acetate emulsion polymerization. *Chemical Engineering Transactions*, Vol 26-2012, pp. 21-26, DOI: 10.3303/CET1226004 – ISBN 978-88-95608-17-4, ISSN 1974-9791.
7. Di Mauro C., Bouchon S., Torretta V. (2012). Industrial Risk in the Lombardy Region (Italy): what people perceive and what are the gaps to improve the risk communication and the participatory processes. *Chemical Engineering Transactions*, Vol 26, pp. 297-302, DOI: 10.3303/CET1226050 – ISBN 978-88-95608-17-4, ISSN 1974-9791.
8. Collivignarelli C., De Felice V., Di Bella V., Sorlini S., Torretta V., Vaccari M. (2012). Assessment of sanitary infrastructures and polluting loads in Pojuca river (Brazil). *Water Practice & Technology*, Vol 7, No 2, pp. 1-19, doi:10.2166/wpt.2012.044, ISSN 1751-231X.
9. Luciano A., Viotti P., Mancini G., Torretta V. (2012). An integrated wastewater treatment system using a BAS reactor with biomass attached to tubular supports. *Journal of environmental management*, Vol. 113, pp. 51-60, doi: 10.1016/j.jenvman.2012.08.034, ISSN 0301-4797.
10. Copelli S., Torretta V., Raboni M., Viotti P., Luciano A., Mancini G., Nano G. (2012). Improving biotreatment efficiency of hot waste air streams: Experimental upgrade of a full plant. *Chemical Engineering Transactions*, 30, ISSN: 1974-9791, pp. 49-54.
11. Torretta V., Conti F., Leonardi M., Ruggieri G. (2012). Energy recovery from sludges and sustainable development: a Tanzanian case study. *Sustainability*, 4, ISSN: 2071-1050, doi:10.3390/su4102661, pp. 2661-2672.
12. Vaccari M., Torretta V., Collivignarelli C. (2012). Effect of improving environmental sustainability in developing countries by upgrading solid waste management techniques: A Case Study. *Sustainability*, ISSN: 2071-1050, doi: 10.3390/su4112852, Vol. 4, pp. 2852-2861.
13. Torretta V., Rada E.C., Panaitescu V.N., Apostol T. (2012). Some consideration on particulate generated by traffic. *UPB-Scientific Bulletin, Series D*, ISSN: 1454-2358, Vol. 74(4), pp. 241-248.
14. Ciuta S., Torretta V., Trulli E., Apostol T. (2012). Comparison between two cases study on water kiosks. *UPB-Scientific Bulletin, Series D*, ISSN: 1454-2358, Vol. 74(4), pp. 211-218.
15. Rada E.C., Ragazzi M., Torretta V. (2013). Laboratory-scale anaerobic sequencing batch reactor for treatment of stillage from fruit distillation. *Water Science & Technology*. ISSN 0273-1223. Doi: 10.2166/wst.2012.611. Vol. 67(5), pp. 1068-1074.
16. Torretta V., Katsoyiannis A. (2013). Occurrence of polycyclic aromatic hydrocarbons in sludges from different stages of a wastewater treatment plant in Italy. *Environmental Technology*, doi: 10.1080/09593330.2012.722693, ISSN 0959-3330 0043-1354. Vol. 34(7), pp. 937-943.
17. Torretta V., Rada E.C., Istrate I.A., Ragazzi M. (2013). Poultry manure gasification and its energy yield. *UPB-Scientific Bulletin, Series D*, ISSN: 1454-2358, Vol. 75(1), pp. 231-238.

18. Luciano A., Viotti P., Torretta V., Mancini G. (2013). Numerical approach to modelling pulse-mode soil flushing on a Pb-contaminated soil. *Journal of Soils and Sediments*, doi: 10.1007/s11368-012-0567-0, ISSN: 1439-0108, Vol. 1, pp. 43-55.
19. Torretta V., Istrate I., Rada E.C., Ragazzi M. (2013). Management of waste electrical and electronic equipment in two EU countries: a comparison. *Waste Management*, doi: 10.1016/j.wasman.2012.07.029, ISSN: 0956-053X. Vol. 33(1), pp. 117-122.
20. Callegari A., Torretta V., Capodaglio A.G. (2013). Preliminary trial application of biological desulfonation in anaerobic digestors from pig farms. *Environmental Engineering and Management*, ISSN 1582-9596. Vol 12(4), 815-819.
21. Copelli S., Torretta V., Lunghi A., Derudi M., Sala Cattaneo C., Rota R. (2013). Emulsion polymerization of butyl acrylate: safe optimization using topological criteria. *Industrial & Engineering Chemistry Research*, ISSN: 0888-5885. 52(26), 8625-8634.
22. Torretta V. (2013). Environmental and economic aspects of water kiosks: Case study of a medium-sized Italian town. *Waste Management*, doi: 10.1016/j.wasman.2013.01.014, ISSN: 0956-053X. Vol 33(5), 1057-1063.
23. Torres E.A., Cerqueira G.S., Ferrer T.M., Quintella C.M., Raboni M. Torretta V., Urbini G. (2013). Recovery of different waste vegetable oils for biodiesel production: a pilot experience in Bahia State, Brazil. *Waste Management*, ISSN: 0956-053X. Vol. 33(12), 2670-2674.
24. Lombardi F., Lategano E., Cordiner S., Torretta V. (2013). Waste incineration in rotary kilns: a new simulation combustion's tool to support design and technical change. *Waste Management and Research*. Vol 31(7), 739-750.
25. Torretta V., Urbini G., Raboni M., Copelli S., Viotti P., Luciano A., Mancini G. (2013). Effect of powdered activated carbon to reduce fouling in membrane bioreactors: a sustainable solution. Case study. *Sustainability*, Vol. 5(4), 1501-1509.
26. Copelli S., Storti G., Torretta V., Derudi M., Sala Cattaneo C., Rota R. (2013). Detailed modelling of an industrial process: vinyl acetate emulsion homopolymerization. *Chemical Engineering Transactions*, Vol. 32, 775-780.
27. Copelli S., Dente M., Derudi M., Bozzano G., Torretta V. (2013). Modeling and simulation of an emulsion copolymerization process. *Chemical Engineering Transactions*, Vol. 32, 757-762.
28. Torretta V., Raboni M., Copelli S., Capodaglio A.G. (2014). A theoretical approach of a new index-based methodology for risk assessment of pipelines (I). *Environmental Engineering and Management Journal*, ISSN 1582-9596, 13(10), 2643-2652.
29. Viotti P., Luciano A., Mancini G., Torretta V. (2014). A wastewater treatment using a biofilm airlift suspension reactor with biomass attached to supports: a numerical model. *International Journal of Environmental Science and Technology*, ISSN 1735-1472, DOI: 10.1007/s13762-013-0256-6, 11(3), 571-588.
30. Contini S., Copelli S., Torretta V., Raboni M., Sala Cattaneo C., Rota R. (2013). IEC 61508: Effect of test policy on the probability of failure on demand of safety instrumented systems. *Chemical Engineering Transactions*. 33, 487-492.
31. Copelli S., Torretta V., Maestri F., Sala Cattaneo C., Nano G., Rota R. (2013). Batchsize and topological criteria: a combined approach to safely optimize hazardous polymerization processes. *Chemical Engineering Transactions*. 33, 613-618.
32. Copelli S., Derudi M., Sala Cattaneo C., Nano G., Torretta V., Rota R. (2013). Classification and optimization of potentially runaway processes using topology based tools. *Computers and Chemical Engineering*. Vol. 56, 114-127.
33. Ionescu G., Apostol T., Rada E.C., Ragazzi M., Torretta V. (2013). Critical analysis of strategies for PM reduction in urban areas. *UPB Sci. Bull., Series D*, 75(2), 175-186.
34. Raboni M., Torretta V., Urbini G. (2013). Influence of strong diurnal variations in sewage

- quality on the performance of biological denitrification in small community wastewater treatment plants (WWTPs). *Sustainability*, ISSN 2071-1050, doi:10.3390/su5093679, Vol. 5, 3679-3689.
35. Rada E.C., Istrate I.A., Ragazzi M., Andreottola G., Torretta V. (2013). Analysis of electro-oxidation suitability for landfill leachate treatment through an experimental study. *Sustainability*, ISSN 2071-1050, doi:10.3390/su5093679, Vol. 5, 3960-3975.
 36. Torretta V., Raboni M., Copelli S., Rada E.C., Ragazzi M., Ionescu G., Apostol T., Badea A. (2013). Application of strategies for particulate matter reduction in urban areas: an Italian case. *UPB Sci. Bull., Series D*, 75(4), 221-228.
 37. Torretta V., Raboni M., Copelli S., Caruson P. (2013). Application of multi-stage biofilter pilot plants to remove odor and VOCs from industrial activities air emissions. *WIT Transactions on Ecology and the Environment*. 176, 225-233.
 37. Ragazzi M., Torretta V., Ionescu G., Istrate I.A. (2013). Maintenance strategies and local impact of MSW incinerators. *WIT Transactions on Ecology and the Environment*. 176, 235-244.
 39. Copelli S., Derudi M., Sala Cattaneo C., Nano G., Raboni M., Torretta V., Rota R. (2014). Synthesis of 4-Chloro-3-nitrobenzotrifluoride: Industrial thermal runaway simulation due to cooling system failure. *Process Safety and Environmental Protection*, 92(6), 659-668. Doi: 10.1016/j.psep.2013.11.006.
 40. Trulli E., Torretta V., Raboni M., Masi S. (2013). Incineration of pre-treated municipal solid waste (MSW) for energy co-generation in a non-densely populated area. *Sustainability*, ISSN 2071-1050, doi:10.3390/su5125333, Vol. 5, 5333-5346.
 41. Torretta V., Raboni M., Copelli S., Urbini G. (2013). Application of a decision support system to the transport of hazardous materials. *Environmental Engineering and Management Journal*, Vol. 12(10), 2031-2039.
 42. Raboni M., Torretta V., Viotti P., Urbini G. (2013). Experimental plant for the physical-chemical treatment of groundwater polluted by municipal solid waste (MSW) leachate, with ammonia recovery. *Ambiente & Agua*, DOI: 10.4136/ambi-agua.1250, Vol. 8(3), 22-32.
 43. Raboni M., Torretta V., Viotti P., Urbini G. (2014). Pilot experimentation with complete mixing anoxic reactors to improve sewage denitrification in treatment plants in small communities. *Sustainability*, ISSN 2071-1050, doi: 10.3390/su6010112, Vol. 6, 112-122.
 44. Capodaglio A.G., Callegari A., Torretta V. (2014). Comparative application of different risk assessment models and implications on resulting remediation options. *Environmental Technology*, Vol. 35(6), 759-765, DOI: 10.1080/09593330.2013.848941.
 45. Copelli S., Torretta V., Pasturenzi C., Derudi M., Sala Cattaneo C., Rota R. (2014). On the divergence criterion for runaway detection: application to complex controlled systems, *Chemical Engineering Transactions*. 28, 92-100.
 46. De Feo G., Cerrato F., Siano P., Torretta V. (2014). Definition of a multi-criterion, web-based approach to managing the illegal dumping of solid waste in Italian villages. *Environmental Technology*, DOI: 10.1080/09593330.2013.816328. Vol. 35(1), 104-114.
 47. Martinez S., Torretta V., Minguela J., Siñeriz F., Raboni M., Copelli S., Rada E.C., Ragazzi M. (2014). Treatment of slaughterhouse wastewaters using anaerobic filters. *Environmental Technology*. Vol 35(3), 322-332.
 48. Rada E.C., Raboni M., Torretta V., Copelli S., Ragazzi M., Caruson P., Istrate I.A. (2014). Removal of Benzene from oil refinery wastewater treatment plant exhausted gases with a multi-stage biofiltration pilot plant. *Revista de Chimie*. Vol 65(1), 68-70.
 49. Rada E.C., Ragazzi M., Villotti S., Torretta V. (2014). Sewage sludge drying from energy recovery from OFMSW composting. *Waste Management*, Vol. 34(5), 859-866. Doi: 10.1016/j.wasman.2014.02.013.

50. Torretta V., Ragazzi M., Trulli E., De Feo G., Urbini G., Raboni M., Rada E.C. (2014). Assessment of biological kinetics in a conventional municipal WWTP by means of the oxygen uptake rate method. *Sustainability*, Vol. 6, 1833-1847; doi:10.3390/su6041833.
51. Rada E.C., Ragazzi M., Ionescu G., Merler G., Moedinger F., Raboni M., Torretta V. (2014). Municipal solid waste treatment by integrated solutions: energy and environmental balances. *Energy Procedia*. ISSN 1876-6102, 50, 1037-1044, doi: 10.1016/j.egypro.2014.06.123.
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