

CURRICULUM VITAE VINCENZO TORRETTA



PERSONAL INFORMATION

Telephone	+39 0332-218782
Fax	+39 0332-218779
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 O. Rossi 9 – 21100 Varese, Italy
Role	Full Professor (full time), Discipline CEAM-02/A, since December 1 st , 2020.
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".
since 2006	Supervisor of more than 170 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" (2014-2017) and "Principles and procedures related to the environmental compatibility of treatment plants" (since 2018) as part of the PhD in Chemical and Environmental Sciences - University of Insubria.

TEACHING ACTIVITY AND RESEARCH ABROAD

Cooperation in joint research activities and contact person for the framework agreements

- ❑ UFBA-Universidade Federal da Bahia, Salvador, Brasile
- ❑ 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
- ❑ Ural Federal University of Ekaterinburg, Russia

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, 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, Cile (Incarico del Ministero degli Affari Esteri (1991)
- ❑ Universidad Nacional de Sentiago del Estero, Argentina (2012)
- ❑ Università Lucian Blaga di Sibiu, Romania (2016, 2023)
- ❑ Aristotle University of Thessaloniki, Greece (2017, 2018 and 2024)
- ❑ Universidade Federal da Bahia – UFBA di Salvador, Brasile (2023)
- ❑ Queen's University of Belfast, Northern Irland, UK (2024)
- ❑ Politehnica di Bucarest, Romania (2024)
- ❑ Politehnica di Timisoara, Romania (2025)

ASSIGNMENTS

- ❑ Director of Bachelor's and Master degree courses in Environmental and Safety Engineering at the Insubria University of Varese (2012-2024).
- ❑ Deputy Director of the Department of Theoretical and Applied Sciences, Insubria University, since January 2022 to date.
- ❑ Chairman of the Infrastructural Development Commission of the Insubria University of Varese (2021-2024).
- ❑ Coordinator for the Insubria University for the Network of Universities for Sustainable Development - RUS, in the Conference of Italian University Rectors – CRUI (2017-2019).
- ❑ Delegate of the director of the Department of Theoretical and Applied Sciences for the departmental strategic plan, including monitoring and periodic updating of the obtained results and the achieved objectives (Department of Theoretical and Applied Sciences) (2019 to date).
- ❑ Member of the Commission for the Quality of Internal Research (AiQuaR) (Department of Theoretical and Applied Sciences) (2021-2022).
- ❑ Member of the Scientific Committee of CeTAmb of University of Brescia (since 2022).
- ❑ 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).
- ❑ Member of the technical working group on “Sludges from wastewater treatment”, related to the Observatory on Circular Economy and Energetic Transition – Lombardy (since 2019).
- ❑ 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
- ❑ Editor in Chief of the Section "Sustainable Use of the Environment and Resources", then renamed "Environmental Sustainability and Applications" for the international journal Sustainability.
- ❑ Guest Editor for Applied Sciences, special issue "Innovative Approaches for Drinking- and Waste-Water Treatment".
- ❑ Guest Editor for Environmental Science and Pollution Research, special issue "Life cycle thinking (LCT) applied to Solid Waste Management Systems with Appropriate Technologies".
- ❑ Guest Editor for Environmental Science and Pollution Research, special issue "Innovations in Water and Wastewater Treatment".
- ❑ Guest Editor for Sustainability, special issue "Waste management and application of the principles of the circular economy".
- ❑ Guest Editor for Sustainability, special issue "Covid-19 and Its Impact on Environmental, Economic and Social Sustainability".
- ❑ Guest Editor for Sustainability, special issue "Solid Waste Management and International Cooperation in Low-Middle Income and Developing Countries: A Step Forward Sustainable Development".
- ❑ Guest Editor for Sustainability, Special Issue "Feature Papers in Sustainable Use of the Environment and Resources".
- ❑ Guest Editor for Sustainability, special issue "Sustainability of Resources".
- ❑ Guest Editor for Sustainability (IF: 2.576) Special Issue "Reviews and Advances in Environmental Sustainability and Applications".
- ❑ Guest Editor for Sustainability, Special Issue "Exclusive Papers of the Editorial Board Members of section Environmental Sustainability and Applications".
- ❑ Guest Editor for Sustainability, Special Issue "Exclusive Papers of Outstanding Scientists in section Environmental Sustainability and Applications".
- ❑ Guest Editor for Applied Sciences, Special Issue "Next-Generation Environmental Engineering: Sustainable Solutions for Water and Waste Challenges".
- ❑ 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 (Environmental Engineering).

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
- ❑ Renewable Energy
- ❑ Renewable & Sustainable Energy Reviews

INTERNATIONAL AND NATIONAL CONFERENCE ORGANIZATION

International Conference Organizer:

- ❑ 2nd International Conference on Circularity, Sustainability and Resilience in Water, Wastewater and Sludge Management – CSRW26, Aristotle University (Thessaloniki, Greece, 2026)
- ❑ Advances in Water Treatment for Emerging Contaminants Removal – AWaTEC26, University of Insubria (Varese, 2026)
- ❑ 1st International Conference on Circularity, Sustainability and Resilience in Water, Wastewater and Sludge Management – CSRW24, University of Insubria (Varese, 2024)
- ❑ Recycling and recovery of solid waste: state of the art and developments for fostering the circular economy – 2nd Edition (Varese, 2022)
- ❑ Recycling and recovery of solid waste: state of the art and developments for fostering the circular economy (Varese, 2021)
- ❑ Webinar - Water treatment technologies and options for circular economy

(2020)

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

National Conference Organizer:

- ❑ Il ruolo dell'ingegnere ambientale nella società moderna tra etica, formazione accademica e professione (Varese, 2024)
- ❑ Resilienza e sostenibilità: Riduzione della produzione di rifiuti urbani (Varese, 2023)
- ❑ Problematiche acustiche in ambito industriale e residenziale (Varese, 2019)
- ❑ Percorsi di sostenibilità: rifiuti, energia e mobilità – Esperienze a confronto (Varese, 2018)
- ❑ Filtri a prova di fumo e tecnologie di protezione passiva (Varese, 2018)
- ❑ Le analisi energetiche degli edifici (Varese, 2017)
- ❑ Incidenti rilevanti e prevenzione incendi: evoluzione normativa e ricadute operative (Varese, 2015)
- ❑ La disinfezione negli impianti di trattamento acque (Varese, 2015)
- ❑ Responsabilità d'impresa D.Lgs. 231/01: opportunità e vantaggi competitivi (Varese, 2015)
- ❑ Prevenzione e controllo degli odori negli impianti di trattamento acque (Varese, 2014)
- ❑ Sicurezza e impianti a biogas (Cremona, 2014)
- ❑ Aspetti innovativi in materia di rischi di incidenti rilevanti (Varese, 2011)
- ❑ Mobilità urbana sostenibile (Varese, 2011)
- ❑ Valutazione Ambientale Strategica (Varese, 2011)
- ❑ La Valutazione d'Impatto Ambientale: nuovi orientamenti tecnici e normativi (Varese, 2010)
- ❑ La digestione anaerobica: dalla necessità di smaltimento al recupero energetico (Varese, 2008)
- ❑ L'Autorizzazione Integrata Ambientale: risultati e criticità in Lombardia (Varese, 2007)

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.
- ❑ 9th International Conference on Manufacturing Science and Education – MSE 2019, Sibiu, Romania, 5-7 June 2019.
- ❑ 17th International Conference on Chemistry and the Environment. 16–20 June 2019, Aristotle University Research Dissemination Centre, Thessaloniki, Greece.
- ❑ 5th World Congress on Environmental Science, Las Vegas, USA, July 15-16, 2019, Faculty: College of Agriculture and Natural Resources, Meetings international University.
- ❑ Sustainable City 2019 - 13th International Conference on Urban Regeneration and Sustainability, 1-3 October 2019, Valencia, Spain, Wessex Institute.
- ❑ 9th International Symposium on Occupational Health and Safety – SESAM – 3 October 2019, Petrosani, Romania.
- ❑ The 9th International Conference of Management and Industrial Engineering “Management Perspectives in the Digital Transformation” - ICMIE 2019, November 14–16, 2019, University Politehnica of Bucharest, Romania.
- ❑ Energy Production and Management 2020, 16-18 June 2020, Tallinn, Estonia, Wessex Institute (cancelled due to sanitary emergency).
- ❑ XI International Symposium on Environmental Engineering – SIDISA 2020, Turin, Italy, June 30th to July 3rd 2020 (postponed to 2021).
- ❑ The VENICE 2020 – 8th International Symposium on Energy from Biomass and Waste – IWWG International Waste Working Group. 16-18 November 2020.
- ❑ 10th International Conference on Manufacturing Science and Education – MSE 2021, Sibiu, Romania, 2-4 June 2021.
- ❑ XI International Symposium on Environmental Engineering – SIDISA2021, Turin, Italy, June 29th to July 2nd 2021.
- ❑ Sustainable City 2021 - 15th International Conference on Urban Regeneration and Sustainability, 5-7 October 2021, Bilbao, Spain, Wessex Institute.

- ❑ Energy and Sustainability 2021 - International Conference, 6-8 October 2021, Bilbao, Spain, Wessex Institute.
- ❑ 10th International Symposium Occupational Health and Safety SESAM 2021, 18th October 2021 Petrosani, Romania.
- ❑ 5th International Conference on Energy Production and Management: The Quest for Sustainable Energy – 23-25 May 2022, on-line, Wessex Institute.
- ❑ Waste Management and Environmental Impact 2022 - 7 - 9 June 2022, on-line, Wessex Institute.
- ❑ Sustainable City 2022 - 16th International Conference on Urban Regeneration and Sustainability, 10–12 October 2022, Rome, Italy, Wessex Institute.
- ❑ ISB-INMA TEH 2022 International Symposium - 6-8 October 2022, Politehnica University of Bucharest, Romania.
- ❑ Venice 2022 - 9th International Symposium on Energy from Biomass and Waste, 21-23 November 2022, Venice, Italy.
- ❑ XII International Symposium on Environmental Engineering - SIDISA 2024, 1-4 October 2024, Palermo, Italy.
- ❑ Venice 2024 - 10th International Symposium on Energy from Biomass and Waste, 25-27 November 2024, Venice, Italy.
- ❑ 8th Multidisciplinary Symposium on Circular Economy and Urban Mining - SUM2025, 21-23 May 2025, Procida, Naples, Italy.
- ❑ International Symposium on Occupational Health and Safety – SESAM – 23 October 2025, Brasov, Romania.
- ❑ 6th Global Conference on Entrepreneurship and Economy in an Era of Uncertainty - EEU26, 23-25 September 2026, Bali, Indonesia.

DOCTORAL SCHOOL IN ITALY AND ABROAD

- ❑ Attending of Doctoral School in Chemical and Environmental Sciences (DISCA) University of Insubria since 2013. Total fund 260.000 Euro (up to 98.000 nel 2008, 35.000 nel 2009, 70.000 nel 2010, 20.000 nel 2011, 24.000 nel 2012 and 23.000 nel 2013).
- ❑ Member of Examination Committee of Chemical and Environmental Sciences PhD, cycles XXXII, XXXVI e XXXVII.
- ❑ Member of Examination Committee of different PhD courses related to the environment at the Polytechnic of Milan, Italy (2011, 2017), University of Palermo, Italy, (2012, 2024, 2025), Polytechnic of Turin, Italy (2013, 2016, 2022), Polytechnic of Bucharest, Romania (2013), University of Brescia, Italy (2014, 2017, 2019, 2020, 2021, 2025), University of Pavia, Italy (2016, 2018, 2020, 2022), University of Trento, Italy (2017, 2019), University Rome La Sapienza (2018, 2026), UFBA Universidade Federal da Bahia (Brazil, 2021, 2022) and Lucian Blaga University of Sibiu, Romania (2018).

PATENTS

- ❑ Patent ownership in Italy n. 102016000114855 (UA2016A008217) "Procedure for the treatment of gaseous effluents", granted on 04/10/2019.

AWARDS

- ❑ Inclusion, years 2020, 2021, 2022, 2023 and 2024, in the ranking for "Updated science-wide author databases of standardized citation indicators" by Stanford University (published on 2020, October 08, doi: 10.17632/btchxktzyw.2; on 2021, October 19, doi: 10.17632/btchxktzyw.3, on 2022, October 10, doi: 10.17632/btchxktzyw.4, 2023, October 04, doi: 10.17632/btchxktzyw.6 and 2024, September 16, doi: 10.17632/btchxktzyw.7).
- ❑ Career Award for his studies aiming at improving Circularity, Sustainability and Resilience in Water, Wastewater and Sludge Management, given in Thessaloniki, Greece, on 29 March 2026.
- ❑ Best Paper Award - The EMCEI-25 - 7th Euro-Mediterranean Conference for Environmental Integration 23-26 June 2025, Reggio Calabria, Italy.
- ❑ European Academy for Sustainable Development - Best Paper Award - International Conference on Technologies and Materials for Renewable Energy, Environment and Sustainability TMREES23, Metz-Grand Est – France, 08-10 March, 2023.
- ❑ Best Poster Awards, Sardinia 2013 – 14th International Waste management and Landfill Symposium (Santa Margherita di Pula – CA, 30

September-4 October 2013.

- ❑ 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**

WoS/Scopus Publications since 2012

1. Torretta V., (2012). PAHs in Wastewater: removal efficiency in a conventional wastewater treatment plant and comparison with model predictions. *Environmental Technology*, 33(8), 851-855, doi: 10.1080/09593330.2011.599430, ISSN: 0959-3330 0043-1354.
2. 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*, 26, 21-26, doi: 10.3303/CET1226004 – ISBN 978-88-95608-17-4, ISSN 1974-9791.
3. Copelli S., Derudi M., Rota R., Torretta V. (2012). Safe optimization of potentially runaway processes using topology based tools and software. 11th International Probabilistic Safety Assessment and Management Conference and the Annual European Safety and Reliability Conference 2012, PSAM11 ESREL 2012. Vol. 3, 2388-2396
4. Cattaneo C.S., Nano G., Copelli S., Torretta V. (2012). Behavioral safety: A way to decrease injuries at work (with science). 11th International Probabilistic Safety Assessment and Management Conference and the Annual European Safety and Reliability Conference 2012, PSAM11 ESREL 2012. Vol. 8, 6374-6382.
5. 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*, 26, 297-302, doi: 10.3303/CET1226050 – ISBN 978-88-95608-17-4, ISSN 1974-9791.
6. 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*, 7, art. n. 2, 1-19, doi:10.2166/wpt.2012.044, ISSN 1751-231X.
7. 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*, 113, 51-60, doi: 10.1016/j.jenvman.2012.08.034, ISSN 0301-4797.
8. 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, 49-54, ISSN: 1974-9791.
9. Torretta V., Conti F., Leonardi M., Ruggieri G. (2012). Energy recovery from sludges and sustainable development: a Tanzanian case study. *Sustainability*, 4, 2661-2672, doi:10.3390/su4102661, ISSN: 2071-1050.
10. 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*, 4, 2852-

11. Torretta V., Rada E.C., Panaitescu V.N., Apostol T. (2012). Some consideration on particulate generated by traffic. UPB-Scientific Bulletin, Series D, 74(4), 241-248, ISSN: 1454-2358.
12. Ciuta S., Torretta V., Trulli E., Apostol T. (2012). Comparison between two cases study on water kiosks. UPB-Scientific Bulletin, Series D, 74(4), 211-218, ISSN: 1454-2358.
13. Rada E.C., Ragazzi M., Torretta V. (2013). Laboratory-scale anaerobic sequencing batch reactor for treatment of stillage from fruit distillation. Water Science & Technology, 67(5), 1068-1074, doi: 10.2166/wst.2012.611, ISSN 0273-1223.
14. Torretta V., Katsoyiannis A. (2013). Occurrence of polycyclic aromatic hydrocarbons in sludges from different stages of a wastewater treatment plant in Italy. Environmental Technology, 34(7), 937-943, doi: 10.1080/09593330.2012.722693, ISSN 0959-3330 0043-1354.
15. Torretta V., Rada E.C., Istrate I.A., Ragazzi M. (2013). Poultry manure gasification and its energy yield. UPB-Scientific Bulletin, Series D, 75(1), 231-238, ISSN: 1454-2358.
16. 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, 13, 43-55, doi: 10.1007/s11368-012-0567-0, ISSN: 1439-0108.
17. 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, 33(1), 117-122, doi: 10.1016/j.wasman.2012.07.029, ISSN: 0956-053X.
18. Callegari A., Torretta V., Capodaglio A.G. (2013). Preliminary trial application of biological desulfonation in anaerobic digestors from pig farms. Environmental Engineering and Management Journal, 12(4), 815-819, ISSN 1582-9596.
19. 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, 52(26), 8625-8634, ISSN: 0888-5885.
20. Torretta V. (2013). Environmental and economic aspects of water kiosks: Case study of a medium-sized Italian town. Waste Management, 33(5), 1057-1063, doi: 10.1016/j.wasman.2013.01.014, ISSN: 0956-053X.
21. 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, 33(12), 2670-2674, ISSN: 0956-053X.
22. 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. 31(7), 739-750.
23. 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, 5(4), 1501-1509.
24. 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, 32, 775-780.

25. Copelli S., Dente M., Derudi M., Bozzano G., Torretta V. (2013). Modeling and simulation of an emulsion copolymerization process. Chemical Engineering Transactions, 32, 757-762.
26. 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.
27. 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.
28. 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. 56, 114-127.
29. 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.
30. 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, 5, 3679-3689, doi:10.3390/su5093679, ISSN 2071-1050.
31. 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, 5, 3960-3975, doi:10.3390/su5093679, ISSN 2071-1050.
32. 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.
33. 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.
34. 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.
35. 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, 12(10), 2031-2039.
36. 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, 8(3), 22-32, doi: 10.4136/ambi-agua.1250.
37. 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, 5, 5333-5346, doi: 10.3390/su5125333, ISSN 2071-1050.
38. 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*, 13(10), 2643-2652, ISSN 1582-9596.

39. 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*, 11(3), 571-588, doi: 10.1007/s13762-013-0256-6, ISSN 1735-1472.
40. 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.
41. 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*, 6, 112-122, doi: 10.3390/su6010112, ISSN 2071-1050.
42. Capodaglio A.G., Callegari A., Torretta V. (2014). Comparative application of different risk assessment models and implications on resulting remediation options. *Environmental Technology*, 35(6), 759-765, doi: 10.1080/09593330.2013.848941.
43. 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, *Journal of Loss Prevention in the Process Industries*, 28, 92-100, doi: 10.1016/j.jlp.2013.05.004.
44. 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*, 35(1), 104-114, doi: 10.1080/09593330.2013.816328.
45. 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*, 35(3), 322-332.
46. 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*, 65(1), 68-70.
47. Rada E.C., Ragazzi M., Villotti S., Torretta V. (2014). Sewage sludge drying from energy recovery from OFMSW composting. *Waste Management*, 34(5), 859-866, doi: 10.1016/j.wasman.2014.02.013.
48. 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*, 6, 1833-1847; doi:10.3390/su6041833.
49. 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*. 50, 1037-1044, doi: 10.1016/j.egypro.2014.06.123, ISSN 1876-6102.
50. Raboni M., Torretta V., Viotti P., Urbini G. (2014). Calculating specific denitrification rates in the pre-denitrification by assessing the influence of dissolved oxygen, sludge loading and mixed-liquor recycle. *Environmental Technology*, 35(20), 2582-2588, doi:10.1080/09593330.2014.913690,.
51. Sala Cattaneo C., Tavelli S., Derudi M., Rota R., Raboni M., Torretta V., Copelli S. (2014). Study of a nimble model to evaluate the effects of a

gasoline fire in a road tunnel. *Chemical Engineering Transactions*, 36, 337-342, doi: 10.3303/CET1436057.

52. Sala Cattaneo C., Derudi M., Nano G., Rota R., Copelli S., Torretta V., Raboni M. (2014). Manual handling operations in an air shipping company: a comparison between risk evaluation methods. In *Safety, Reliability and Risk Analysis Beyond the Horizon*. Edited by R.D.J.M. Steenbergen, P.H.A.J.M. van Gelder, S. Miraglia and A.C.W.M. Ton. Vrouwenvelde, CRC Press 2013, ISBN: 978-1-138-00123-7, 1817–1825, doi: 10.1201/b15938-279.
53. Copelli S., Torretta V., Derudi M., Rota R., Sala Cattaneo C., Nano G. (2014). Thermal behavior of a semibatch reactor during upset conditions as a function of dosing and temperature controller type. In *Safety, Reliability and Risk Analysis Beyond the Horizon*. Edited by R.D.J.M. Steenbergen, P.H.A.J.M. van Gelder, S. Miraglia and A.C.W.M. Ton. Vrouwenvelde, CRC Press 2013, ISBN: 978-1-138-00123-7, 93–101.
54. Copelli S., Torretta V., Massa D., Sala Cattaneo C., Derudi M., Rota R. (2014). Runaway reactions and vapor cloud explosions: the Synthron case study. *Chemical Engineering Transactions*, 36, 115-120, doi: 10.3303/CET1436020.
55. Raboni M., Copelli S., Tigoli M., Torretta V., Urbini G. Nano G. (2014). Implementation of an integrated stationary - Non steady state Gaussian modeling system to simulate contaminants dispersion into the atmosphere. *Chemical Engineering Transactions*, 40, 289-294.
56. Torretta V., Ionescu G., Raboni M., Merler G. (2014). The mass and energy balance of an integrated solution for municipal solid waste treatment. *WIT Transactions on Ecology and the Environment*, 180, 151-161, doi: 10.2495/WM140131.
57. Ragazzi M., Tosi P., Rada E.C., Torretta V., Schiavon M. (2014). Effluents from MBT plants: plasma techniques for the treatment of VOCs. *Waste Management*, 34(11), 2400-2406, doi: 10.1016/j.wasman.2014.07.026.
58. Torretta V., Rada E.C., Schiavon M., Trulli E. (2014). An example of removal of organic pollutants from off gas generated from small activities in proximity of urban areas. *WIT Transactions on Ecology and the Environment*, 191, 1413-1422, doi: 10.2495/SC141192.
59. Istrate I.A., Oprea T., Rada E.C., Torretta V. (2014). Noise and air pollution from urban traffic. *WIT Transactions on Ecology and the Environment*, 191, 1381-1389, doi: 10.2495/SC141162.
60. Torretta V. (2014). The sustainable use of water resources: A technical support for planning. A case study. *Sustainability*, 6, 8128-8148, doi: 10.3390/su6118128.
61. Ragazzi M., Catellani R., Rada E.C., Torretta V., Salazar-Valenzuela X. (2014). Management of municipal solid waste in one of the Galapagos Islands. *Sustainability*, 6, 9080-9095, doi: 10.3390/su6129080.
62. Trulli E., Torretta V., Rada E.C., Istrate I.A., Papa E.A. (2014). Modelling for use of water in agriculture. *Agricultural Engineering*, 44(3), 121-128, ISSN 2068-4215.
63. Torretta V., Raboni M., Copelli S., Caruson P. (2015). Effectiveness of a multi-stage biofilter approach at pilot scale to remove odor and VOCs. *WIT International Journal of Sustainable Development and Planning*, 10(3), 373-384, doi: 10.2495/SDP-V10-N3-373-384, ISSN 1743-7601.
64. Rada E.C., Ragazzi M., Stefani P., Schiavon M., Torretta V. (2015). Modelling the potential biogas productivity range from a MSW landfill for its sustainable exploitation. *Sustainability*, 7, 482-495, doi: 10.3390/su7010482.

65. Trulli E., Torretta V. (2015). Influence of feeding mixture composition in batch anaerobic co-digestion of stabilized municipal sludge and waste from dairy farms. *Environmental Technology*, 36(12), 1519-1528, doi: 10.1080/09593330.2014.994045.
66. Raboni M., Torretta V., Urbini G., Viotti G. (2015). Automotive shredder residue: a survey of the hazardous organic micro-pollutants spectrum in landfill biogas, *Waste Management and Research*, 33(1), 48-54, doi: 10.1177/0734242X14559300.
67. Cioca L.I., Ivascu L., Rada E.C., Torretta V., Ionescu G. (2015). Sustainable development and technological impact on CO2 reducing conditions in Romania. *Sustainability*, 7, 2015, 1637-1650, doi: 10.3390/su7021637.
68. Brignoli M., Espa P., Quadroni S., Torretta V., Ionescu G. (2015). Environmental impact of reservoir desilting operation. *UPB-Scientific Bulletin, Series D*, 77(2), 257-270, ISSN: 1454-2358.
69. Torretta V., Collivignarelli M.C., Raboni M., Viotti P. (2015). Experimental treatment of a refinery waste air stream, for BTEX removal, by water scrubbing and biotrickling on a bed of *Mitilus edulis* shells. *Environmental Technology*, 36(18), 2300-2307, doi: 10.1080/09593330.2015.1026289, ISSN: 1454-2358.
70. Torretta V., Rada E.C., Ragazzi M., Trulli E., Istrate I.A., Cioca L.I. (2015). Treatment and disposal of tyres: two EU approaches. A review. *Waste Management*, 45, 152-160, doi: 10.1016/j.wasman.2015.04.018.
71. Schiavon M., Scapinello M., Tosi P., Ragazzi M., Torretta V., Rada E.C. (2015). Potential of non-thermal plasmas for helping the biodegradation of volatile organic compounds (VOCs) released by waste management plants. *Journal of Cleaner Production*, 104, 211-219.
72. Torretta V., Rada E.C., Capodaglio A.G. (2015). An example of the use of bio-indicators for the air quality assessment in areas with high industrial presence. *Environmental Engineering and Management Journal*, 14(11), 2679-2688, ISSN 1582-9596.
73. Antognoni S., Ragazzi M., Ionescu G., Passamani G., Zanoni S. Rada E.C., Torretta V. (2016). Respiriometric index as a tool for biogas generation production from poultry manure. *Management of Environmental Quality*, 27(3), 269-280, doi: 10.1108/MEQ-04-2015-0052, ISSN: 1477-7835.
74. Capodaglio A.G., Ranieri E., Torretta V. (2016). Process enhancement for maximization of methane production in codigestion biogas plants. *Management of Environmental Quality*, 27(3), 289-298, doi: 10.1108/MEQ-04-2015-0059, ISSN: 1477-7835.
75. Torretta V., Ionescu G. (2016). Environmental assessment of the MSW treatment from the transport point of view. *Management of Environmental Quality*, 27(4), 419-426, doi: 10.1108/MEQ-03-2015-0043, ISSN: 1477-7835.
76. Schiavon M., Ragazzi M., Rada E.C., Torretta V. (2016). Air pollution control through biotrickling filters: a review considering operational aspects and expected performance. *Critical Reviews in Biotechnology*, 36(6), 1143-1155, doi: 10.3109/07388551.2015.1100586.
77. Passamani G., Ragazzi M., Torretta V. (2016). Potential SRF generation from a closed landfill in northern Italy. *Waste Management*, 47, Part B, 157-163, doi: 10.1016/j.wasman.2015.07.024.
78. Schiavon M., Ragazzi M., Torretta V., Rada E.C. (2016). Comparison between conventional biofilters and biotrickling filters applied to waste bio-drying in terms of atmospheric dispersion and air quality. *Environmental*

79. Schiavon M., Torretta V., Rada E.C., Ragazzi M. (2016). State of the art and advances in the impact assessment of dioxins and dioxin-like compounds. *Environmental Monitoring and Assessment*, 188(1), 1-20, doi: 10.1007/s10661-015-5079-0.
80. Raboni M., Torretta V., Viotti P. (2016). Airborne toluene removal for minimizing occupational health exposure by means of a trickle bed biofilter. *Environmental Science and Pollution Research*, 23(12), 11751-11758, doi: 10.1007/s11356-016-6352-7, ISSN 0944-1344.
81. Ragazzi M., Catellani R., Rada E.C., Torretta V., Salazar-Valenzuela X. (2016). Management of urban wastewater in one of the Galapagos Islands. *Sustainability*, 8(3), art. n. 208, 1-19, doi: 10.3390/su8030208.
82. Ranieri E., Fratino U., Petrella A., Torretta V., Rada E.C. (2016). *Ailanthus Altissima* and *Phragmites Australis* for chromium removal from a contaminated soil. *Environmental Science and Pollution Research*, 23(16), 15983-15989, doi: 10.1007/s11356-016-6804-0, ISSN 0944-1344.
83. Torretta V., Schiavon M., Papa E.A., Caruson P., Capodaglio A.G. (2016). Removal of odorous Sulphur compounds from industrial gases by biotrickling filters. *Ambiente & Agua*. 11(3), 499-507, doi: 10.4136/ambi-agua.1848.
84. Balan I.L., Cioca L.I., Torretta V., Talamona L. (2016). Warehouse threats and loss prevention management in case of fire. *Procedia Technology*, 22, 1028–1034, doi: 10.1016/j.protcy.2016.01.138.
85. Trulli E., Torretta V., Rada E.C. (2016). Water restoration of an urbanized karst stream by free-water-surface constructed wetlands as municipal wastewater post-treatment. *UPB-Scientific Bulletin, Series D*, 78(4), 163-174, ISSN: 1454-2358.
86. Schiavon M., Schiorlin M., Torretta V., Ragazzi M., Rada E.C. (2016). Biofiltration combined with non-thermal plasma for air pollution control: A preliminary investigation. *International Journal of Sustainable Development and Planning*, 11(4), 627-635, doi: 10.2495/SDP-V11-N4-627-635, ISSN 1743-7601.
87. Rada E.C., Bresciani C., Girelli E., Ragazzi M., Schiavon M., Torretta V. (2016). Analysis and measures to improve waste management in schools. *Sustainability*, 8(9), art. n. 840. 1-12, doi: 10.3390/su8090840.
88. Raboni M., Torretta V. (2016). A modified biotrickling filter for nitrification-denitrification in the treatment of airborne ammonia. *Environmental Science and Pollution Research*, 23(23), 24256–24264, doi: 10.1007/s11356-016-7694-x, ISSN 0944-1344.
89. Contini S., Contini P.M., Torretta V., Cattaneo C.S., Raboni M., Copelli S. (2016). Comparison of classical and "cause consequence diagrams" Recursive Operability Analysis: The T2 Laboratories accident. *Chemical Engineering Transactions*, 53, 109-114, doi: 10.3303/CET1653019.
90. Morosini C., Conti F., Torretta V., Rada E.C., Passamani G., Schiavon M., Ragazzi M. (2016). Biochemical methane potential assays to test the biogas production from the anaerobic digestion of sewage sludge and other organic matrices. *WIT Transactions on Ecology and the Environment*, 205, 235-243, doi: 10.2495/EQ160221.
91. Trulli E., Morosini C., Rada E.C., Torretta V. (2016). Remediation in situ of hydrocarbons by combined treatment in a contaminated alluvial soil due to an accidental spill of LNAPL. *Sustainability*, 8, 1-14, doi: 10.3390/su8111086.

92. Rada E.C., Ferrari A., Ragazzi M., Schiavon M., Torretta V. (2016). PCDD/Fs environmental impact from an anaerobic digestion treatment. *Progress in Industrial Ecology, An International Journal*, 10(4), 370-381, doi: 10.1504/PIE.2016.083927, ISSN 1476-8917.
93. Raboni M., Gavasci R., Torretta V. (2016). Assessment of the fate of Escherichia Coli in different stages of wastewater treatment plants. *Water, Air, & Soil Pollution*, 227(12), 1-12, doi: 10.1007/s11270-016-3157-8.
94. Ferronato N., Bezzi M., Zortea M., Torretta V., Ragazzi M. (2016). An Interdisciplinary approach for introducing sustainable integrated solid waste management systems in developing countries: the case of La Paz (Bolivia). *Procedia Environmental Science, Engineering and Management*, 3(2), 71-81, ISSN 2392 - 9537.
95. Cioca L-I., Cioca L-I., Moraru R.I., Rada E.C., Torretta V., Popescu-Stelea M. (2017). Greenhouse effect reduction through mine methane valorization: overview and feasibility study. *Environmental Engineering and Management Journal*, 16(6), 1257-1262.
96. Passamani G., Rada E.C., Tirler W., Tava M., Torretta V., Ragazzi M. (2017). PCDD/F emissions from virgin and treated wood combustion. *International Journal of Energy Production and Management*, 2(1), 17-27, doi: 10.2495/EQ-V2-N1-17-27, ISSN 2056-3272.
97. Luciano A., Torretta V., Mancini G., Eleuteri A., Raboni M., Viotti P. (2017). The modelling of odour dispersion as a support tool for the improvements of high odours impact plants. *Environmental Technology*, 38(5), 588-597, doi: 10.1080/09593330.2016.1205146.
98. Raboni M., Torretta V. (2017). Validation of a new model for the sizing of denitrification reactors, by testing full scale plants. *Environmental Technology*, 38(11), 1376-1382, doi: 10.1080/09593330.2016.1228700.
99. Raboni M., Torretta V., Viotti P. (2017). Treatment of airborne BTEX by a two-stage biotrickling filter and biofilter, exploiting selected bacterial and fungal consortia. *International Journal of Environmental Science and Technology*, 14(1), 19-28, doi: 10.1007/s13762-016-1127-8, ISSN 1735-1472.
100. Torretta V., Rada E.C., Schiavon M., Viotti P. (2017). Decision support systems for assessing risks involved in transporting hazardous materials: A review. *Safety Science*, 92, 1-9, doi: 10.1016/j.ssci.2016.09.008, ISSN 0925-7535.
101. Torretta V., Ferronato N., Katsoyiannis I.A., Tolkou A.K., Airolidi M. (2017). Novel and conventional technologies for landfill leachates treatment: a review. *Sustainability*, 9(1), 1-39, doi: 10.3390/su9010009.
102. Ragazzi M., Passamani G., Antonacci G., Todeschini I., Cemin A., Rada E.C., Morosini C., Moraru R.I., Torretta V. (2017). Methodological critical issues for the assessment of the environmental impacts from transport of marble; a case study. *Quality Access to Success*, 18 (S1), 170-177.
103. Dalla Valle L., Passamani G., Rada E.C., Torretta V., Ciudin R. (2017). Unconventional reducing gases monitoring in everyday places. *Energy Procedia*, 119, 3-9, doi: 10.1016/j.egypro.2017.07.039.
104. Schiavon M., Schiorlin M., Torretta V., Brandenburg R., Ragazzi M. (2017). Non-thermal plasma assisting the biofiltration of volatile organic compounds. *Journal of Cleaner Production*, 148, 498-508, doi: 10.1016/j.jclepro.2017.02.008.
105. Ferronato N., D'Avino C., Ragazzi M., Torretta V., De Feo G. (2017). Social surveys about solid waste management within higher education

institutes: a comparison. Sustainability, 9, art. n. 391, 1-17, doi: 10.3390/su9030391.

106. Torretta V., Capodaglio A.G. (2017). Strategic environmental assessment: A critical review of procedural soundness and reliability. Environmental Engineering and Management Journal, 16(1), 105-112.
107. Copelli S., Raboni M., Ragazzi M., Rada E.C., Torretta V. (2017). Variation of the explosion risk in a hybrid collector during revamping operations. International Journal of Safety & Security Engineering, 7(2), 113-125, doi: 10.2495/SAFE-V7-N2-113-125.
108. Ragazzi M., Maniscalco M., Torretta V., Ferronato N., Rada E.C. (2017). Anaerobic digestion as sustainable source of energy: A dynamic approach for improving the recovery of organic waste. Energy Procedia. 19, 602-614, doi: 10.1016/j.egypro.2017.07.086.
109. Morosini C., Marsoni M., Torretta V., Conti F., Ragazzi M., Rada E.C., Cioca G. (2017). Factors affecting spatial and temporal concentration variability of pharmaceuticals: Comparison between two WWTPs. Sustainability, 9, art n. 1466, doi: 10.3390/su9081466.
110. Ferronato N., Torretta V., Ragazzi M., Rada E.C. (2017). Waste mismanagement in developing countries: a case study of environmental contamination. UPB-Scientific Bulletin, Series D, 79(3), 185-196, ISSN: 1454-2358.
111. Trombin G., Ragazzi M., Isarie C., Ciudin R., Torretta V. (2017). Environmental assessment of the Sibiu County, Romania: proposal for the sewage sludge and OFMSW management. MATEC Web of Conferences. Proceedings of 8th International Conference on Manufacturing Science and Education – MSE 2017, Sibiu, Romania, 7-9 June 2017. Vol. 121, 10006, doi: 10.1051/mateconf/201712110006.
112. Rada E.C., Ferronato N., Torretta V. (2017). Individual risk evaluation and interventions for mitigation in the transportation of hazardous goods: a case study. MATEC Web of Conferences. Proceedings of 8th International Conference on Manufacturing Science and Education – MSE 2017, Sibiu, Romania, 7-9 June 2017. Vol. 121, 06008, doi: 10.1051/mateconf/201712106008.
113. Copelli S., Raboni M., Derudi M., Nano G., Torretta V. (2017). Comparison between absorption and biological activity on the efficiency of the biotrickling filtration of gaseous streams containing ammonia. Environmental Science & Pollution Research, 24(29), 23207-23218, doi: 10.1007/s11356-017-9968-3.
114. Schiavon M., Torretta V., Casazza A., Ragazzi M. (2017). Non-thermal plasma as an innovative option for the abatement of volatile organic compounds: A review. Water, Air, & Soil Pollution, 228(10), art. n. 388, doi: 10.1007/s11270-017-3574-3.
115. Schiavon M., Rada E.C., Ragazzi M., Cioca L.I., Torretta V. (2017). Environmental advantages of treatment plants generating biomethane from food waste. WIT Transactions on Ecology and The Environment, 224, 309-316, doi:10.2495/ESUS170291.
116. Trulli E., Rada E.C., Conti F., Ferronato N., Raboni M., Talamona L., Torretta V. (2018). Fire simulation in a full-scale bilevel rail car: experimental analysis to assess passenger safety. International Journal of Safety & Security Engineering, 8(1), 110-120, doi: 10.2495/SAFE-V8-N1-110-120.
117. Trulli E., Ferronato N., Torretta V., Piscitelli M., Masi S., Mancini I. (2018). Sustainable mechanical biological treatment of solid waste in urbanized areas with low recycling rates. Waste Management, 71, 556-564, doi:

118. Rada E.C., Zatelli C., Cioca L.I., Torretta V. (2018). Selective collection quality index for municipal solid waste management. *Sustainability*, 10(1), art. n. 257, 1-17, doi: 10.3390/su10010257.
119. Torretta V., Tolkou A.K., Katsoyiannis I.A., Katsoyiannis A., Trulli E., Magaril E., Rada E.C. (2018). Consumption of free chlorine in an aqueduct scheme with low protection: Case study of the New Aqueduct Simbrivio-Castelli (NASC), Italy. *Water*, 10(2), art. n. 127, 1-13, doi: 10.3390/w10020127.
120. Collivignarell M.C., Abbà A., Benigna I., Sorlini S., Torretta V. (2018). Overview of the main disinfection processes for wastewater and drinking water treatment plants. *Sustainability*, 10(1), art. n. 86, 1-21, doi:10.3390/su10010086.
121. Ferronato N., Gorritty Portillo M.A., Guisbert Lizarazu E.G., Torretta V., Bezzi M., Ragazzi M. (2018). The municipal solid waste management of La Paz (Bolivia): Challenges and opportunities for a sustainable development. *Waste Management and Research*, 36(3), 288-299, doi: 10.1177/0734242X18755893.
122. Torretta V. (2018). Removal efficiency of PAHs in wastewater: Statistical evaluations with chemical-physical indicators. *Environmental Engineering and Management Journal*, 17(2), 251-259, ISSN 1582-9596.
123. Collivignarelli M.C., Abbà A., Baldi M., Barbieri G., Rada E.C., Torretta V. (2018). Estimation of available biodegradable substrate (ABS): Alternative method. *UPB Scientific Bulletin Series D*, 80(1), 269-280, ISSN 1454-2358.
124. Torretta V., Katsoyiannis I., Viotti P., Rada E.C. (2018). Critical review of the effects of Glyphosate exposure to the environment and humans through the food supply chain. *Sustainability*, 10(4), art. n. 950, 1-20, doi: 10.3390/su10040950.
125. Rada E.C., G. Passamani, M. Ragazzi, Torretta V., Istrate I.A., Cioca G. (2018). Dioxin contamination after a hypothetical accidental fire in baled municipal solid waste storage. *Revista de Chimie*, 69(4), 997-1001.
126. Rada E.C., Castagna G., Adami L., Torretta V., Ragazzi M. (2018). Compensation opportunities and waste to energy plants. *America Institute of Physics*, 1968(1):030065, 1-7, doi: 10.1063/1.5039252.
127. Rada E.C., Ragazzi M., Torretta V., Castagna G., Adami L., Cioca L.I. (2018). Circular Economy and waste to energy. *America Institute of Physics*, 1968(1):030050, 1-7, doi: 10.1063/1.5039237.
128. Callegari A., Ferronato N., Rada E.C., Capodaglio A.G., Torretta V. (2018). Assessment of arsenic removal efficiency by an iron oxide-coated sand filter process. *Environmental Science and Pollution Research*, 25(26), 26135-26143, doi: 10.1007/s11356-018-2674-y.
129. Giurea R., Precazzini I., Ragazzi M., Achim M.I., Cioca L.I., Conti F., Torretta V., Rada E.C. (2018). Good practices and actions for a sustainable municipal solid waste management in the tourist sector. *Resources*, 7, art. n. 0051, 1-12, doi: 10.3390/resources7030051.
130. Luciano A., Mancini G., Torretta V., Viotti P. (2018). An empirical model for the evaluation of the dissolution rate from a DNAPL-contaminated area. *Environmental Science and Pollution Research*, 25, 33992-34004, doi: 10.1007/s11356-018-3193-6.
131. Gorgoglione A., Torretta V. (2018). Sustainable management and successful application of constructed wetlands: a critical review.

132. Schiavon M., Ragazzi M., Rada E.C., Magaril E., Torretta V. (2018). Towards the sustainable management of air quality and human exposure: Exemplary case studies. *Transactions on Ecology and the Environment*, 230, 489-500, doi: 10.2495/AIR180451.
133. Rada E.C., Ionescu G., Conti F., Cioca L.I., Torretta V. (2018). Energy from municipal solid waste: some considerations on emissions and health impact. *Quality Access to Success*, 19, n. 167, 118-122.
134. Cioca L.I., Ferronato N., Viotti P., Magaril E., Ragazzi M., Torretta V., Rada E.C. (2018). Risk assessment in a materials recycling facility: perspectives for reducing operational issues. *Resources*, 7(4), art. 85, 1-10.
135. Schiavon M., Rada E.C., Cioca L.I., Torretta V., Ragazzi M. (2018). Environmental and managerial advantages of treatment plants exploiting biogas from food waste. *International Journal of Energy Production and Management*. 3(4), 292-306, doi: 10.2495/EQ-V3-N4-292-306.
136. Collivignarelli M.C., Bertanza G., Abbà A., Torretta V., Katsoyiannis I.A. (2019). Wastewater treatment by means of thermophilic aerobic membrane reactors: Respirometric tests and numerical models for determination of stoichiometric/kinetic parameters. *Environmental Technology*. 40(2), 2019, 182-191, doi: 10.1080/09593330.2017.1384070.
137. Ferronato N., Rada E.C., Gorritty M.P., Cioca L.I., Ragazzi M., Torretta V. (2019). Introduction of the circular economy within developing regions: a comparative analysis of advantages and opportunities for waste valorization. *Journal of Environmental Management*, 230, 366-378, doi: 10.1016/j.jenvman.2018.09.095.
138. Schiavon M., Ragazzi M., Collier G., Ferronato N., Torretta V., Rada E.C. (2019). A methodology to support decisions towards economic and environmental sustainability in public contexts: application to hand-drying options. *WIT Transactions on Ecology and the Environment*, 222, 59-71, doi: 10.2495/EQ180061.
139. Adami L., Castagna G., Magaril E., Giurea R., Ferronato N., Ruggieri G., Torretta V., Rada E.C. (2019). Criticalities and potentialities of local renewable sources of energy. *WIT Transactions on Ecology and the Environment*, 222, 103-115, doi: 10.2495/EQ180101.
140. Ferronato N., Ragazzi M., Gorritty Portillo M.A., Guisbert Lizarazu E.G., Viotti P., Torretta V. (2019). How to improve recycling rate in developing big cities: an integrated approach for assessing municipal solid waste collection and treatment scenarios. *Environmental Development*, 29, 94-110, doi: 10.1016/j.envdev.2019.01.002.
141. Nova Pinedo M.L., Ferronato N., Ragazzi M., Torretta V. (2019). Vermicomposting process for treating animal slurry in Latin America rural areas. *Waste Management and Research*, 37(6), 611-620, doi: 10.1177/0734242X19839483.
142. Tatti F., Petrangeli Papini M., Torretta V., Mancini G., Boni M.R., Viotti P. (2019). Experimental and numerical evaluation of Groundwater Circulation Wells as a remediation technology for persistent, low permeability contaminant source zones. *Journal of Contaminant Hydrology*, 222, 89-100, doi: 10.1016/j.jconhyd.2019.03.001.
143. Ferronato N., Torretta V. (2019). Waste mismanagement in developing countries: a review of global issues. *International Journal of Environmental Research and Public Health*, 16(6), art. n. 1060, 1-28, doi: 10.3390/ijerph16061060.

144. Barozzi M., Ragazzi M., Copelli S., Torretta V., Conti F., Rada E.C., Cioca L.I., Rizzini D. (2019). Modelling the source term for pollutants generated from galvanic cells. *Environmental Engineering and Management Journal*. 18(4), 907-920.
145. Sappa G., Iacurto S., Ponzi A., Tatti F., Torretta V., Viotti P. (2019). The LCA methodology for ceramic tiles production by addition of MSWI BA. *Resources*, 8(2), art. n. 93; 1-21, doi:10.3390/resources8020093.
146. Conserva S., Tatti F., Torretta V., Ferronato N., Viotti P. (2019). An integrated approach to the biological reactor – sedimentation tank system. *Resources*, 8(2), art. n. 94; 1-19, doi: 10.3390/resources8020094.
147. Collivignarelli M.C., Abbà A., Carnevale Miino M., Torretta V. (2019). What advanced treatments can be used to minimize the production of sewage sludge in WWTPs? *Applied Sciences*. 9(13), art.n. 2650, 1-24, doi: 10.3390/app9132650.
148. Torretta V., Barozzi M., Talamona L., Copelli S., Conti F., Rada E.C., Viotti P., Schiavon M. (2019). Importance of experimental tests for the determination of modeling parameters in fire safety engineering. *MATEC Web of Conferences. Proceedings of 9th International Conference on Manufacturing Science and Education – MSE*, 5-7 June 2019, Sibiu, Romania. 290, art. 12025, 1-15. Doi: 10.1051/matecconf/2019/201929012025.
149. Ragazzi M., Albatici R., Schiavon M., Ferronato N., Torretta V. (2019). CO₂ measurements for unconventional management of indoor air quality. *WIT Transactions on Ecology and the Environment*. 236, 277-286. Doi: 10.2495/AIR190271.
150. Torretta V., Schiavon M., Caruson P., Ragazzi M. (2019). Influence of key parameters on the removal efficiency of air pollutants by a biotrickling filter. *WIT Transactions on Ecology and the Environment*. 236, 297-306. Doi: 10.2495/AIR190291.
151. Rada E.C., Costa Luca, Pradella Cecilia, Adami L., Schiavon M., Magaril E., Torretta V. (2019). Unconventional small-scale biogas production with reduced local impact. *International Journal of Energy Production and Management*. 4(3), 198-208. Doi: 10.2495/EQ-V4-N3-198-208.
152. Collivignarelli M.C., Abbà A., Frattarola A., Carnevale Miino M., Padovani S., Katsoyiannis I., Torretta V. (2019). Legislation for the reuse of biosolids on agricultural land in Europe: overview. *Sustainability*. 11(21), art. n. 6015, 1-22, Doi: 10.3390/su11216015.
153. Torretta V., Katsoyiannis I., Collivignarelli M.C., Bertanza G., Xanthopoulou M. (2020). Water reuse as a secure pathway to deal with water scarcity. *MATEC Web of Conferences. Proceedings of 9th International Symposium on Occupational Health and Safety – SESAM – October 2019, Petrosani, Romania*. 305, 1-6. Doi: 10.1051/matecconf/202030500090.
154. Ferronato N., Ragazzi M., Torrez Elias M.S., Gorritty Portillo M.A., Guisbert Lizarazu E.G., Torretta V. (2020). Application of healthcare waste indicators for assessing infectious waste management in Bolivia. *Waste Management and Research*. 38(1), 4-18, Doi: 10.1177/0734242X19883690.
155. Ferronato N., Preziosi G., Gorritty Portillo M.A., Guisbert Lizarazu E.G., Torretta V. (2020). Assessment of municipal solid waste selective collection scenarios with geographic information systems in Bolivia. *Waste Management*, 102, 919-931, doi: 10.1016/j.wasman.2019.12.010.
156. Ferronato N., Gorritty Portillo M.A., Guisbert Lizarazu E.G., Torretta V. (2020). Application of a life cycle assessment for assessing municipal solid

waste management systems in Bolivia in an international cooperative framework. *Waste Management and Research*, 38(1), 98-116. Doi: 10.1177/0734242X20906250.

157. Ferronato N., Guisbert Lizarazu E.G., Velasco Tudela J.M., Blanco Callisaya J.K., Preziosi G., Torretta V. (2020). Selective collection of recyclable waste in Universities of low-middle income countries: lessons learned in Bolivia. *Waste Management*, 105, 198-210, doi: 10.1016/j.wasman.2020.02.014.
158. Rada E.C., Ionescu G., Ferronato N., Ragazzi M., Raspanti M., Conti F., Torretta V. (2021). Zooming on light packaging waste differences by scanning electron microscopy. *Environmental Science and Pollution Research*, 28(42), 59076-59082, doi: 10.1007/s11356-020-08414-y.
159. Collivignarelli M.C., Carnevale Miino M., Gomez F.H., Torretta V., Rada E.C., Sorlini S. (2020). Horizontal flow constructed wetland for greywater treatment and reuse: an experimental case. *International Journal of Environmental Research and Public Health*, 17, art. n. 2317, 1-15, doi: 10.3390/ijerph17072317.
160. Torretta V, Tolkou A., Katsoyiannis I., Schiavon M. Second-hand smoke exposure effects on human health: Evaluation of PM10 concentrations in the external areas of a university campus. *Sustainability*, 12(7), art. n.2948, 1-13, doi: 10.3390/su12072948.
161. Collivignarelli M.C., Baldi M., Abbà A., Caccamo F.M., Carnevale Miino M., Rada E.C., Torretta V. (2020). Foams in wastewater treatment plants: from causes to control methods. *Applied Sciences*, 10, art.n. 2716, 1-21, doi: 10.3390/app10082716.
162. Barozzi M., Copelli S., Scotton M.S., Torretta V. (2020). Application of an enhanced version of Recursive Operability Analysis for combustible dusts risk assessment. *International Journal of Environmental Research and Public Health*, 17(9), art.n. 3078, 1-22, doi: 10.3390/ijerph17093078.
163. Collivignarelli M.C., Abbà A., Carnevale Miino M., Torretta V., Rada E.C., Caccamo F.M., Sorlini S. (2020). Adsorption of fluorides in drinking water by palm residues. *Sustainability*, 12(9), art.n. 3786, 1-12. Doi: 10.3390/su12093786.
164. Collivignarelli M.C. Carnevale Miino M., Rada E.C., Torretta V., Baldi M. (2020). Optimum operating conditions for a real scale ammonia stripping tower: an experimental case. *UPB Scientific Bulletin Series D*, 82(2), 245-254.
165. Ferronato N., Nova Pinedo M.L., Torretta V. (2020). Assessment of used baby diapers composting in Bolivia. *Sustainability*, 12(12), art.n. 5055, 1-16. Doi:10.3390/su12125055.
166. Rada E.C., Magaril E., Schiavon M., Karaeva A., Chashchin M., Torretta V. (2020). MSW management in Universities: sharing best practices. *Sustainability*, 12(12), art. n. 5084, 1-15. Doi:10.3390/su12125084.
167. Morosini C., Postè E., Mostachetti M., Torretta V. (2020). Pharmaceuticals in water cycle: a review on risk assessment and wastewater and sludge treatment. *Environmental Engineering and Management Journal*, 19(8), 1339-1378.
168. Collivignarelli M.C., Cillari G., Ricciardi P., Carnevale Miino M., Torretta V., Rada E.C., Abbà A. (2020). The production of sustainable concrete with the use of alternative aggregates: a review. *Sustainability*, 12(19), art. n. 7903, 1-34, doi: 10.3390/su12197903.

169. Adami L., Schiavon M., Torretta V., Costa L., Rada E.C. (2020). Evaluation of conventional and alternative anaerobic digestion technologies for applications to small and rural communities. *Waste Management*, 118, 79-89, doi: 10.1016/j.wasman.2020.08.030.
170. Schiavon M., Adami L., Torretta V., Tubino M. (2020). Environmental balance of an innovative waste-to-energy plant: the role of secondary emissions. *International Journal of Environmental Impacts*, 3(1), 84-93, doi: 10.2495/EI-V3-N1-84-93.
171. Ferronato N., Gorritty Portillo M.A., Guisbert Lizarazu G.E., Torretta V. (2021). Formal and informal waste selective collection in developing megacities: analysis of residents' involvement in Bolivia. *Waste Management and Research*, 39(1), 108-121, doi: 10.1177/0734242X20936765.
172. Ferronato N., Portugal Alarcón G.P., Guisbert Lizarazu E.G., Torretta V. (2021). Assessment of municipal solid waste collection in Bolivia: Perspectives for avoiding uncontrolled disposal and boosting waste recycling options. *Resources, Conservation and Recycling*, 167, art. n. 105234, 1-11, doi 10.1016/j.resconrec.2020.105234.
173. Rada E.C., Schiavon M., Torretta V. (2021). A regulatory strategy for the emission control of hexavalent Chromium from waste-to-energy plants. *Journal of Cleaner Production*, 278, art.n. 123415. Doi: 10.1016/j.jclepro.2020.123415.
174. Collivignarelli M.C., Abbà A., Carnevale Miino M., Caccamo F.M., Torretta V., Rada E.C., Sorlini S. (2021). Disinfection of wastewater by UV-based treatment for reuse in a circular economy perspective. Where are we at? *International Journal of Environmental Research and Public Health*, Vol. 18(1), art. n.77, 1-24, doi: 10.3390/ijerph18010077.
175. Katsoyiannis I.A., Torretta V. (2021). Innovative approaches for drinking and waste-water treatment: An editorial review summarizing and assessing the findings of the Special Issue. *Applied Sciences*, 11(5), art. n. 2063, 1-6, doi: 10.3390/app11052063.
176. Barozzi M., Contini S., Raboni M., Torretta V. Casson Moreno V., Copelli S. (2021). Integration of Recursive Operability Analysis, FMECA and FTA for the quantitative risk assessment in biogas plants: Role of procedural errors and components failures. *Journal of Loss Prevention in the Process Industries*, 71, art. n. 104468, 1-18, doi: 10.1016/j.jlp.2021.104468.
177. Ferronato N., Moresco L., Guisbert Lizarazu G.E., Gorritty Portillo M.A., Conti F., Torretta V. (2021). Sensitivity analysis and improvements of the recycling rate in municipal solid waste life cycle assessment: focus on a Latin American developing context. *Waste Management*, 128, 1-15, doi: 10.1016/j.wasman.2021.04.043.
178. Ferronato N., Guisbert Lizarazu G.E., Gorritty Portillo M.A., Moresco L., Conti F., Torretta V. (2022). Environmental assessment of construction and demolition waste recycling in Bolivia: Focus on transportation distances and selective collection rates. *Waste Management and Research*, 40(6), 793-805, doi: 10.1177/0734242X211029170.
179. Torretta V., Tolkou A., Katsoyiannis I., Caccamo F.M., Carnevale Miino M., Baldi M., Collivignarelli M.C. (2021). Enhancement of methanogenic activity in volumetrically undersized reactor by mesophilic co-digestion of sewage sludge and aqueous residue. *Sustainability*, 13(14), art. n. 7728, 1-12, doi: 10.3390/su13147728.
180. Karaeva A., Magaril E., Torretta V., Ragazzi M., Rada E.C. (2021). Green energy development in an industrial region: A case-study of Sverdlovsk

region. *Energy Reports*, 7, Supp. 5, 137-148, doi: 10.1016/j.egy.2021.08.101.

181. Karaeva A., Magaril E., Torretta V., Rada E.C. (2021). Preliminary criteria for the energy sector: environmental and economic efficiency of investment projects. *MATEC Web of Conferences*. Proceedings of 10th International Conference on Manufacturing Science and Education – MSE 2021, Sibiu, Romania, 2-4 June 2021. Vol. 343, 07014, 1-12, doi: 10.1051/matecconf/202134307014.
182. Katsoyiannis I.A., Lammel G., Samara C., Ernst M., Wenk J., Torretta V., Voutsas D., Vollertsen J., Bucheli T.D., Godbersen L., Lambropoulou D., Heath E., Kallenborn R., Giannakoudakis D., Deliyanni E., Bandosz T.J., Ražić S., Samanidou V., Papa E., Lacorte S., Katsoyiannis A. (2021). Innovative aspects of environmental chemistry and technology regarding air, water, and soil pollution. *Environmental Science and Pollution Research*, 28(42), 58958-58968, doi: 10.1007/s11356-021-15370-8.
183. Collivignarelli M.C., Abbà A., Caccamo F.M., Calatroni S., Torretta V., Katsoyiannis I.A., Carnevale Miino M., Rada E.C. (2021). Applications of up-flow anaerobic sludge blanket (UASB) and characteristics of its microbial community: a review of bibliometric trend and recent findings. *International Journal of Environmental Research and Public Health*, 18(19), art. n. 10326, 1-25, doi: 10.3390/ijerph181910326.
184. Schiavon M., Ragazzi M., Magaril E., Chaschin M., Karaeva A., Torretta V., Rada E.C. (2021). Planning sustainability in higher education: Three case studies. *WIT Transactions on Ecology and the Environment*, 253, 99-110, doi: 10.2495/SC210091.
185. Rada E.C., Tolkou A., Katsoyiannis I., Magaril E., Kiselev A., Conti F., Schiavon M., Torretta V. (2021). Evaluating global municipal solid waste management efficiency from a circular economy point of view. *WIT Transactions on Ecology and the Environment*, 253, 207-218, doi: 10.2495/SC210181.
186. Karaeva A., Magaril E., Al-Kayiem H., Torretta V., Rada E.C. (2021). Approaches to the assessment of ecological and economic efficiency of investment projects: Brief review and recommendations for improvements. *WIT Transactions on Ecology and the Environment*, 253, 515-525, doi: 10.2495/SC210421.
187. Tolkou A.K., Meez E., Kyzas G.Z., Torretta V., Collivignarelli M.C., Caccamo F., Deliyanni E.A., Katsoyiannis I.A. (2021). A mini review of recent findings in Cellulose-, Polymer- and Graphene-based membranes for Fluoride removal from drinking water. *C Journal of Carbon Research*, 7(4), art. n. 74, 1-16, doi: 10.3390/c7040074.
188. Karaeva A., Torretta V., Magaril E., Conti F., Ghiringhelli G., Rada E.C. (2021). MSW Management in a lacustrine area: Circular economy criteria and effects of COVID-19 emergency. *Proceedings of 2021 10th International Conference on Energy and Environment - CIEM 2021*, Bucharest, Romania, 14-15 October 2021, doi: 10.1109/CIEM52821.2021.9614798.
189. Collivignarelli M.C., Todeschini S., Abbà A., Ricciardi P., Carnevale Miino M., Torretta V., Rada E.C., Conti F., Cillari G., Calatroni S., Lumia G., Bertanza G. (2022). The performance evaluation of wastewater service: A protocol based on performance indicators applied to sewer systems and wastewater treatment plants. *Environmental Technology*, 43(22), 3426 – 3443, doi: 10.1080/09593330.2021.1922509.
190. Ferronato N., Pasinetti R., Valencia Vargas D., Calle Mendoza I.J., Guisbert Lizarazu E.G., Gorrity Portillo M.A., Conti F., Torretta V. (2022).

- Circular economy, international cooperation, and solid waste management: a development project in La Paz (Bolivia). *Sustainability*, 14, art. n. 1412, 1-22, doi: 10.3390/su14031412.
191. Karaeva A., Magaril E., Torretta V., Viotti P., Rada E.C. (2022). Public attitude towards nuclear and renewable energy as a factor of their development in a circular economy frame: two case studies. *Sustainability*, 14, art. n. 1283, 1-15, doi: 10.3390/su14031283.
 192. Ferronato N., Guisbert Lizarazu E.G., Valencia Vargas D.J., Pasinetti R., Torretta V. (2022). Investigation on the solid waste recyclers' perspective in La Paz, Bolivia. *Habitat International*, 123, art. n. 102542, 1-12, doi: 10.1016/j.habitatint.2022.102542.
 193. Ferronato N., Calle Mendoza I.J., Marconi Siñani N.G., Gorritty Portillo M.A., Torretta V. (2022). Perspectives in Solid Recovered Fuel production in Bolivia: Analysis of characteristics and potential benefits. *Waste Management*, 144, 324–335, doi: 10.1016/j.wasman.2022.04.010.
 194. Ferronato N., Calle Mendoza I.J., Gorritty Portillo M.A., Conti F., Torretta V. (2022). Are waste-based briquettes alternative fuels in developing countries? A critical review. *Energy for Sustainable Development*, 68, 220–241, doi: 10.1016/j.esd.2022.03.013.
 195. Ragazzi M., Torretta V., Torres E.A., Schiavon M., Rada E.C. (2022). Perspectives of decentralised gasification of residual municipal solid waste. *Energy Reports*, 8, 1115-1124, doi: 10.1016/j.egyr.2022.07.081.
 196. Ferronato N., Calle Mendoza Iris Jabneel, Ruiz Mayta Jazmin Gidari, Gorritty Portillo Marcelo Antonio, Conti F., Torretta V. (2022). Biomass and cardboard waste-based briquettes for heating and cooking: Thermal efficiency and emissions analysis. *Journal of Cleaner Production*, 375, art. n. 134111, 1-14, doi: 10.1016/j.jclepro.2022.134111.
 197. Castellani P., Ferronato N., Torretta V. (2022). Setting priorities to achieve Sustainable Development Goals through appropriate waste management systems in Uganda. *Environmental Development*, 44, art. n. 100764, 1-20, doi: 10.1016/j.envdev.2022.100764.
 198. Castellani P., Ferronato N., Ragazzi M., Torretta V. (2023). Organic waste valorization in remote islands: Analysis of economic and environmental benefits of onsite treatment options. *Waste Management and Research*, 41(4), 881-893, doi: 10.1177/0734242X221126426.
 199. Ferronato N., Fuentes Sirpa R.C., Guisbert Lizarazu G.E., Conti F., Torretta V. (2023). Construction and demolition waste recycling in developing cities: management and cost analysis. *Environmental Science and Pollution Research*, 30(9), 24377–24397, doi: 10.1007/s11356-022-23502-x.
 200. Ferronato N., Baltrocchi A.P.D., Romagnoli F. Calle Mendoza I.J., Gorritty Portillo M.A., Torretta V. (2023). Environmental Life Cycle Assessment of biomass and cardboard waste-based briquettes production and consumption in Andean areas. *Energy for Sustainable Development*, 72, 139-150, doi: 10.1016/j.esd.2022.12.005.
 201. Boiocchi R., Ragazzi M., Torretta V., Rada E.C. (2023). Critical analysis of the GreenMetric World University Ranking system: the issue of comparability. *Sustainability*, 15(2), 2023, art. n.1343, 1-16, doi: 10.3390/su15021343.
 202. Tolkou A.K., Rada E.C., Torretta V., Xanthopoulou M., Kyzas G.Z., Katsoyiannis I.A. (2023). Removal of Arsenic (III) from water with a combination of Graphene Oxide (GO) and Granular Ferric Hydroxide (GFH)

- at the optimum molecular ratio. *C Journal of Carbon Research*, 9(1), art. n. 10, 1-11, doi: 10.3390/c9010010.
203. Ferronato N., Moresco L., Guisbert Lizarazu G.E., Gorritty Portillo M.A., Conti F., Torretta V. (2023). Comparison of environmental impacts related to municipal solid waste and construction and demolition waste management and recycling in a Latin American developing city. *Environmental Science and Pollution Research*, 30(4), 8548-8562, doi: 10.1007/s11356-021-16968-8.
 204. Orlando M., Molla G., Castellani P., Pirillo V., Torretta V., Ferronato N. (2023). Microbial enzyme biotechnology to reach plastic waste circularity: current status, problems and perspectives. *International Journal of Molecular Sciences*, 24(4), art. n. 3877, 1-36, doi: 10.3390/ijms24043877.
 205. Baltrocchi A.P.D., Ferronato N., Calle Mendoza I.J., Gorritty Portillo M.A., Romagnoli F., Torretta V. (2023). Socio-economic analysis of waste-based briquettes production and consumption in Bolivia. *Sustainable Production and Consumption*, 37, 191-201, doi: 10.1016/j.spc.2023.03.004.
 206. Ferronato N., Mertenat A., Zurbruegg C., Torretta V. (2023). Can tourism support resource circularity in small islands? On-field analysis and intervention proposals in Madagascar. *Waste Management and Research*, 2023, 1-2, doi: 10.1177/0734242X231187561.
 207. Boiocchi R., Viotti P., Lancione D., Stracqualursi N., Torretta V., Ragazzi M., Ionescu G., Rada E.C. (2023). A study on the carbon footprint contributions from a large wastewater treatment plant. *Energy Reports*. *Energy Reports*, 9, 274–286, doi: 10.1016/j.egyr.2023.06.002.
 208. Lawrence J., Bettinetti R., Torretta V., Rada E.C. (2023). Investigating the effectiveness of clothes recovery programs in promoting a circular economy: a review. *E3S Web of Conferences*, 408, art. n. 01002, 1-8, doi: 10.1051/e3sconf/202340801002.
 209. Maggi L., Torretta V., Rada E.C. (2023). CO2 balance from transport and treatment of organic fraction of municipal solid waste. *Proceedings of 11th International Conference on Energy and Environment, CIEM, Bucharest, Romania, 26-27 October 2023*. ISBN: 979-8-3503-4078-5, doi: 10.1109/CIEM58573.2023.10349355.
 210. Ferronato N., Paoli R., Romagnoli F., Tettamanti G., Bruno D., Torretta V. (2024). Environmental impact scenarios of organic fraction municipal solid waste treatment with Black Soldier Fly larvae based on a life cycle assessment. *Environmental Science and Pollution Research*, 31(12), 17651-17669, doi: 10.1007/s11356-023-27140-9.
 211. Calle Mendoza I.J., Gorritty Portillo M.A., Ruiz Mayta J.G., Alanoca Limachi J.L., Torretta V., Ferronato N., (2024). Social acceptance, emissions analysis and potential applications of paper-waste briquettes in Andean areas. *Environmental Research*, 241, art. n. 117609, 1-11, doi: 10.1016/j.envres.2023.117609.
 212. Baltrocchi A.P.D., Maggi L., Dal Lago B., Torretta V., Szabó M., Nasirov M., Kabilov E., Rada E.C. (2024). Mechanisms of diffusion of Radon in buildings and mitigation techniques. *Sustainability*, 16, art. n. 324, 1-16 doi: 10.3390/su16010324.
 213. Baltrocchi A.P.D., Maggi L., Carnevale Miino M., Vincenzo Torretta V., Rada E.C. (2024). Comparison of mixed and door-to-door systems for urban waste collection in terms of effectiveness and greenhouse gas emissions: A case study from two mountainous Italian valleys. *Resources*, 13(1), art. n. 17, 1-12 doi: 10.3390/resources13010017.

214. Ferronato N., Torretta V. (2024). Life cycle thinking (LCT) applied to solid waste management systems with appropriate technologies. *Environmental Science and Pollution Research*, 31(7), 9871-9872, doi: 10.1007/s11356-023-31821-w.
215. Re A., Schiavon M., Torretta V., Polvara E., Invernizzi M., Sironi S., Caruson P. (2024). Application of different packing media for the biofiltration of gaseous effluents from waste composting. *Environmental Technology*, 45(8), 1622-1635, doi: 10.1080/09593330.2022.2148570
216. Giurea R., Carnevale Miino M., Torretta V., Rada E.C. (2024). Approaching sustainability and circularity along waste management systems in universities: an overview and proposal of good practices. *Frontiers in Environmental Science*, 12, 1-11, doi: 10.3389/fenvs.2024.1363024.
217. Ferronato N., Giaquinta C., Conti F., Torretta V. (2024). When Solid Recovered Fuel (SRF) production and consumption maximize environmental benefits? A life cycle assessment. *Waste Management*, 178, 199–209, doi: 10.1016/j.wasman.2024.02.029.
218. Ragazzi M., Conti F., Torretta V., Romagnoli F., Zatelli C., Ghiringhelli G., Lakatos E.S., Rada E.C. (2024). MSW management in two italian mountainous areas. *Environmental and Climate Technologies*, 28(1), 84-93, doi: 10.2478/rtuct-2024-0008.
219. Carnevale Miino M., Galafassi S., Zullo R., Torretta V., Rada E.C. (2024). Microplastics removal in wastewater treatment plants: A review of the different approaches to limit their release in the environment. *Science of the Total Environment*, 930, art. n. 172675, 1-15, doi: 10.1016/j.scitotenv.2024.172675.
220. Castellani P., Ferronato N., Barbieri J., Torretta V. (2024). Anaerobic digestion or composting? Small-scale plants design and holistic evaluations in a Sub-Saharan African context. *Environmental Development*, 51, art. n. 101008, 1-16, doi:10.1016/j.envdev.2024.101008.
221. Baltrocchi A.P.D., Carnevale Miino M., Katsoyiannis I.A., Tolkou A.K., Maggi L., Rada E.C., Torretta V. (2024). Assessment of environmental sustainability of drinking water treatments for arsenic removal. *Resources, Conservation and Recycling*, 211, art. n. 107878, 1-9, doi:10.1016/j.resconrec.2024.107878.
222. Rada E.C., Nicolae I.C., Zerbes M.V., Tulbure A., Karaeva A., Torretta V., Giurea R. (2024). Implementation of a performance management system for environmental sustainability in an industrial organization. *Journal of Physics*, 2857, art. n. 012030, 1-8, doi: 10.1088/1742-6596/2857/1/012030.
223. Rada E.C., Vignali C., Bellazzi S., Carnevale Miino M., Abbà A., Szabó M., Torretta V., Collivignarelli M.C. (2024). Disinfection of indoor air for the inactivation of SARS-CoV-2: A review of effectiveness of UV-C technology and gaps of research. *Frontiers in Built Environment*, 10, art. n. 1523055, 1-12, doi: 10.3389/fbuil.2024.1523055.
224. Karaeva A., Ivascu L., Tolkou A.K., Torretta V., Rada E.C. (2024). The role of public in the implementation of national energy policy objectives. *WIT Transactions on Ecology and the Environment*, 262, 969-979, doi: 10.2495/SDP240801.
225. Castellani P., Ferronato N., Barbieri J., Menya E., Carnevale Miino M., Torretta V. (2025). Solid waste management in Ugandan developing cities: Material flow analysis and sustainable practices for reducing the Global

- Warming Potential. *Waste Management and Research*, 43(7), 1099-1111, doi: 10.1177/0734242X241291940.
226. Dal Lago B., Krelani V., Visconti D., Berisha E., Baltrocchi A.P.D., Torretta V. (2025). Comparison of environmental impact of similar prefabricated industrial structures made of precast concrete or steel. *Lecture Notes in Civil Engineering*, 573, 2025, 161-168, doi: 10.1007/978-3-031-80672-8_20.
 227. Bruno D., Orlando M., Testa E., Carnevale Miino M., Pesaro G., Miceli M., Pollegioni L., Barbera V., Fasoli E., Draghi L., Baltrocchi A.P.D., Ferronato N., Seri R., Maggi E., Caccia S., Casartelli M., Molla G., Galimberti M.S., Torretta V., Vezzulli A., Tettamenti G. (2025). Valorisation of organic waste through black soldier fly: on the way of a real circular bioeconomy process. *Waste Management*, 191, 123-134, doi:10.1016/j.wasman.2024.10.030.
 228. Sgariboldi A., Postè E., Chirico N., Sangion A., Evangelista M., Morosini C., Re A., Torretta V., Papa E. (2025). Global assessment of emerging contaminant removal in wastewater treatment plants: in Silico hazard screening and risk evaluation. *Toxics*, 13(1), art. n. 6, 1-22, doi: 10.3390/toxics13010006.
 229. Carnevale Miino M., Torretta V., Repková M., Hlavínek P., Telek J. (2025). Treatment of a real brewery wastewater with coagulation and flocculation: impact on organic substance and nutrients concentration. *Applied Sciences*, 15(6), art. n. 2999, 1-13, doi: 10.3390/app15062999.
 230. Morosini C., Favaron P., Zanardini E., Torretta V. (2025). Modelling wastewater treatment plant odour dispersion in weak wind conditions: importance of high-resolution meteorological data. *Environmental Technology*, 46(21), 4320-4331, doi: 10.1080/09593330.2025.2501297.
 231. Baltrocchi A.P.D., Carnevale Miino M., Maggi L., Rada E.C., Torretta V. (2025). A comprehensive critical review of Life Cycle Assessment applied to thermoplastic polymers for mechanical and electronic engineering. *Environmental Technology Reviews*, 14(1), 458-470, doi: 10.1080/21622515.2025.2491632.
 232. Luzi B., Carnevale Miino M., Rada E.C., Zullo R., Baltrocchi A.P.D., Torretta V., Galafassi S. (2025). Critical review of microfiber release from textiles: Results, comparative challenges, mitigation strategies, and legislative perspectives. *Chemosphere*, 378, art. n. 144394, 1-11, doi: 10.1016/j.chemosphere.2025.144394.
 233. Baltrocchi A.P.D., Lotti D., Carnevale Miino M., Maggi L., Rada E.C., Torretta V. (2025). Environmental impact of three different engineering thermoplastics: How much does it change when using recycled polyamide? *Journal of Cleaner Production*, 514, art. n. 145769, 1-9, doi: 10.1016/j.jclepro.2025.145769.
 234. Baltrocchi A.P.D., Romagnoli F., Carnevale Miino M., Torretta V. (2025). Improving environmental sustainability of food-contact Polypropylene packaging production. *Clean Technology*, 7(3), art. n. 70, 1-14, doi: 10.3390/cleantechnol7030070.
 235. Kobilov E.E., Batirov K.F., Mardonava F.S., Karaeva A., Baltrocchi A.P.D., Carnevale Miino M., Giurea R., Ragazzi M., Torretta V., Rada E.C. (2025). Circular Economy and Sustainable Development Goals approaches for environment improvement in Uzbekistan. *AIP Conference Proceedings*, 3321, art. n. 060004, 1-7, doi: 10.1063/5.0290581.
 236. Carnevale Miino M., Collivignarelli M.C., Bellazzi S., Abbà A., Baldi M., Baltrocchi A.P.D., Rada E.C., Torretta V. (2025). Removal of adsorbable organic halides from wastewater: A review of advanced chemical and electrochemical processes. *Environmental Progress and Sustainable*

Energy, 44(5), 2005, art. n. e70053, 1-12, doi: 10.1002/ep.70053.

237. Paoli R., Romagnoli F., Carnevale Miino M., Baltrocchi A.P.D., Torretta V. (2026). Cascade biorefinery of *Furcellaria lumbriicalis* macroalgae: Social impact and integration into a life cycle sustainability assessment. Environmental and Climate Technologies, 30(1), 45-64, doi: 10.2478/rtuect-2026-0004.
238. Maggi L., Baltrocchi A.P.D., Carnevale Miino M., Rada E.C., Torretta V. (2026). Sustainable polypropylene chair: A life cycle assessment and cost analysis of industrial production. Environmental Progress and Sustainable Energy, 45(1), e70126, 1-10, doi: 10.1002/ep.70126.
239. Baltrocchi A.P.D., Shafique M., Torretta V. (2026). A systematic review on Life Cycle Assessment of prefabricated buildings. Sustainable Horizons, 17, art. n. 100168, 1-17, doi: 10.1016/j.horiz.2025.100168.
240. Collivignarelli M.C., Bellazzi S., Calabria L.M.R., Torretta V., Rada E.C. (2026). Wastewater reuse for agriculture in Europe: regulatory frameworks, treatment technologies, and socio-economic perspectives. Current Opinion in Environmental Sustainability, 80, art. n. 101630, 1-8, doi: 10.1016/j.cosust.2026.101630.
241. Carnevale Miino M., Torretta V., Vespalec J., Repková M., Hlavínek P., Telek J. (2026). Integration of Failure Mode and Effects Analysis and full-scale treatment plant monitoring for the management of dairy wastewater: evidence from a case study. Water, Air and Soil Pollution, 237(14), art. n. 816, 1-14, doi: 10.1007/s11270-026-09460-x.
242. Luzi B., Carnevale Miino M., Rada E.C., Zullo R., Torretta V., Galafassi S. (2026). Microplastic accumulation hotspots in wastewater treatment plants as leverage points for PET valorization and overall emission mitigation. Journal of Environmental Management, 408, art. n. 129980, 1-11, doi: 10.1016/j.jenvman.2026.129980.

Publications not included in WoS and/or Scopus data base since 2012

1. Torretta V., Monte M. (2012). Affidabilità della VAS nella gestione del territorio. Acqua&Aria, 1, 24-29, ISSN 1591-237X.
2. Torretta V., Merlino M (2012). Casette d'acqua: aspetti tecnici ed economici. IA Ingegneria Ambientale, 2, 118-124, ISSN 0394-5871.
3. Copelli S., Derudi M., Rota R., Pasturenzi C., Lunghi A., Sempere J., Torretta V. (2012) Criteri topologici per l'ottimizzazione sicura di reazioni potenzialmente fuggitive, La Rivista dei Combustibili, 66(1), 36-46, ISSN 1972-0122.
4. Copelli S., Derudi M., Rota R., Lunghi A., Pasturenzi C., Torretta V. (2013). Reazioni fuggitive: da Semibatch a Continuo, La Chimica, L'Industria, Gen-Feb. 2013, 112-117.
5. Torretta V., Ionescu G. (2013). Reliability of Strategic Environmental Assessment for territorial management: general criticisms and a proposed approach in the presence of relevant accident risk facilities. International Journal of Environment and Resource, 1(2), 81-88.
6. Copelli S., Raboni M., Rota R., Torretta V., Pasturenzi C. (2014). Batchsize e criteri topologici: un approccio combinato per l'ottimizzazione in sicurezza. La rivista dei combustibili e dell'industria chimica, 68, 27-36, ISSN 1972-0122.

7. Viotti P., Galeotti L., Martorelli E., Torretta V. (2014). A study on phosphorus flux from sediment in a shallow homogeneous lake. *Annals of the Academy of Romanian Scientists – Series on Chemistry Sciences*, 1, 63-83.
8. Ragazzi M., Rada E.C., Schiavon M., Torretta V. (2014). Unconventional parameter for a correct biostabilization plant design in agriculture areas. *Mitteilungen Klosterneuburg*, 64(6), 2-14, ISSN 0007-5922.
9. Capodaglio A.G., Torretta V., Callegari A. (2015). Sustainability concepts integration in the upgrade of an industrial WWTP. *International Journal of Energy and Environment*, 9, 204-210, ISSN: 2308-1007.
10. Torretta V., Copelli S., Contini S., Rada E.C. (2015). Safety and reliability in biogas plants. *WIT Transactions on The Built Environment*, 151, 227-238, doi: 10.2495/SAFE150201.
11. Copelli S., Rada E.C., Ragazzi M., Torretta V., Schiavon M. (2015). Reliability analysis and assessment of the explosion risk in hybrid collector. *WIT Transactions on The Built Environment*, 151, 239-250, doi: 10.2495/SAFE150211.
12. Torretta V., Trulli E. (2015). Energy recovery from co-digestion of complex substrate mixtures: An overview, and case study of biogas production modeling. *Biotechnology: An Indian Journal*, 11(4), 150-160, ISSN 0974-7435.
13. Torretta V., Rada E.C., Talamona L., Basso M. (2015). Fire in a railway carriage: comparison between experimental and theoretical data. *Journal of Chemical and Pharmaceutical Resesarch*, 7(2), 154-162, ISSN 0975-7384.
14. E. Trulli, V. Torretta, E.C. Rada, M. Ragazzi, I.A. Istrate, G. Paraschiv, G. Voicu (2016). Planning of Integrated systems for supply of natural water and unconventional resource in agriculture: The feasibility of municipal secondary effluents reuse in irrigation districts of Apulia Region. *Annals of Faculty Engineering Hunedoara – International Journal of Engineering*. ISSN 1584-2665. Vol. 3, 79-86.
15. Ferronato N., Dalla Valle L., Torretta V. (2018). Valutazione della gestione dei rifiuti urbani in un campus universitario italiano: verso una migliore raccolta differenziata. *Ingegneria dell'Ambiente*, 5(4), 333-346, doi:10.32024/ida.v5i4.tsc01.
16. Rada E.C., Torretta V., Cioca L.I., Panaitescu V. (2018). A Circular Economy Coherence Index For The Management Of Municipal Solid Waste, *Revista ȘTIINȚĂ ȘI INGINERIE*, 33, XXIX – XXXVII, ISSN 2067-7138, eISSN 2359–828X.
17. Re A., Schiavon M., Torretta V., Polvara E., Invernizzi M., Sironi S., Caruson P. (2021). Biofiltrazione di effluenti gassosi da un processo di compostaggio: confronto tra differenti mezzi di riempimento. *Ingegneria dell'Ambiente*, 8(4), 281-292, doi: 10.32024/ida.v8i4.389.
18. Dal Lago B., Ferronato N., Torretta V. (2022). Comparison of the environmental impact of similar supermarket structures built with cast-in-situ and precast reinforced concrete. *Proceedings of Italian Concrete Conference 2022 (ICC22) – 12-15 October 2022, Naples, Italy*. 291-297, ISBN: 978-88-99916-64-0.
19. Rada E.C., Draghici A., Torretta V., Nasirov M., Ragazzi M. (2024). Adaptive gasification of waste. *Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering*. Vol. 67, 2024, Issue Special III, July 2024, 1255-1262.
20. Nicolae I.C., Zerbis M.V., Popescu L.G., Giurea R., Karaeva A., Conti F., Torretta V., Rada E.C. (2026). Enhancing operational efficiency and

environmental sustainability by improving the maintenance process in an industrial organization. In: Tamas, R., Heiman, C.A. (eds) Selected Papers from AToMS 2024. Lecture Notes on Multidisciplinary Industrial Engineering. Springer, Cham, pp 235-243, 2026. ISBN: 978-3-032-02451-0, doi: 10.1007/978-3-032-02452-7_23.

21. Karaeva A., Vasilica F.A., Torretta V., Rada E.C. (2026). The Concept of Green Management for Improving the Environmental Performance of Traditional Energy Facilities. In: Tamas, R., Heiman, C.A. (eds) Selected Papers from AToMS 2024. Lecture Notes on Multidisciplinary Industrial Engineering. Springer, Cham. pp 227-234, 2026. ISBN: 978-3-032-02451-0, doi: 10.1007/978-3-032-02452-7_22.

Participation in Conferences as Speaker (R) or co-author (CA) or Chairman (C)

- Seminar “Odour control and measurement”, Ministry of Environment, Riga, Lettonia 29th March 2004. (R)
- Convegno "Advance warning and runaway disposal", presso Istituto Superior Tecnico, Lisbon, Portugal, 2005 April, 21-22. (R)
 - VIII SIBESA Congresso Internazionale ABES-ANDIS, Fortaleza, Brazil 19-22 September 2006. (R)
 - SEP – Hydrica 2007 Convegno “Sviluppi tecnologici nella potabilizzazione delle acque: problematiche ed esperienze concrete” Padova, Italy, 19 April 2007. (R)
 - Corso di aggiornamento ANDIS e Dip. Ingegneria Civile Università di Firenze “Il trattamento di reflui industriali e rifiuti liquidi” McGraw-Hill (a cura di Claudio Libello) – Firenze, Italy, 7-9 March 2007. (R)
 - Loss Prevention 2007 – 12th International Symposium on Loss Prevention and Safety Promotion in the Process Industries – Institution of Chemical Engineers, Edinburgh, Scotland, 22-24 May 2007. (CA)
 - L'autorizzazione Integrata Ambientale – Risultati e criticità in Lombardia, Università dell'Insubria, Varese, Italy, 26 June 2007. (C) (R)
 - 3rd IASME/WSEAS International Conference “Energy, environment ecosystems and sustainable development” – WSEAS, ISSN: 1790-5095, ISBN: 978-960-8457-88-1 – Agios Nikolaos, Crete, Greece, July 24-26, 2007. (R)
 - Convegno “Sicurezza nei sistemi complessi” - Politecnico di Bari C.R.C.A. Bari, Italy, 16-18 October 2007. (R)
 - Convegno “Cooperazione Internazionale allo Sviluppo: Soluzioni Appropriate per Ambiente, Energia e Sviluppo Sostenibile” – Varese, Italy, 23-24 October 2007. (R)
 - Seminario “Projecto Integrato de Desenvolvimento Sustentavel da bacia do Rio Pojuca” – Salvador Bahia, Brazil, February, 25, 2008. (R)
 - 5th International Conference “Cooperation for Waste Issue”, Kharkiv, Ucraina 2-3 April 2008. (R)
 - International Symposium on Sanitary and Environmental Engineering – SIDISA08”, Firenze, Italy, 24-27 June 2008. (R)
 - 14th Annual International “Sustainable Development Research Conference”, India Habitat Center, New Delhi, India 21-23 September 2008. (R)
 - Convegno “La digestione anaerobica: dalla necessità di smaltimento al recupero energetico”, Varese, Italy, 22 October 2008. (C) (R)
 - Convegno “Criteri e strumenti per la valorizzazione dei rifiuti, il recupero ambientale e funzionale di siti inquinati e il monitoraggio e la tutela dell'ambiente”, Taormina (ME), Italy, 23 October 2008. (R)
 - Convegno “Il trasporto delle merci pericolose – Criticità e pianificazione degli interventi”, Varese (VA), Italy, 13 November 2008. (C) (R)
 - Convegno “Tecnologie e soluzioni nella gestione dei rifiuti solidi

- urbani", Salerno (SA), Italy, 21-22 May 2009. (R)
- The 2009 International Conference on Chemical, Biological & Environmental Engineering (CBEE 2009) – Keynote speech – Singapore 9-11 October 2009. (C) (R)
 - Convegno "Farmaci e droghe nelle acque", Varese (VA), Italy, 9 December 2009. (R)
 - X Simposio Italo-Brasileiro de Engenharia Sanitaria e Ambiental – Sibesa, Maceiò/AL, Brazil, 28 February-3 March 2010. (R)
 - Il Corso di Aggiornamento in Ingegneria Sanitaria Ambientale "Trattamento e smaltimento dei rifiuti urbani e dei fanghi di depurazione", Università di Bari, Italy, 19-20 April 2010. (R)
 - International Specialty Conference "Leapfrogging opportunities for air quality improvement", Xi'an, China, 10-14 May 2010. (R)
 - Convegno "Valutazione di impatto ambientale – La legge regionale Lombardia n. 5/2010: verifica e prospettive", Università degli Studi di Brescia, Facoltà di Ingegneria, 14 May 2010. (R)
 - Fourth International Conference on water observation and information system for decision support – Balwois 2010", Ohrid, Macedonia, 25-29 May 2010. (CA)
 - V Corso di Aggiornamento "Energia nei Paesi a risorse limitate: tecnologie appropriate per la valorizzazione energetica di biomasse e rifiuti organici", Università di Brescia, CeTAmb – Centro di documentazione e ricerca sulle tecnologie appropriate per la gestione dell'ambiente nei Paesi in via di sviluppo, Brescia, Italy, 9 July 2010. (R)
 - Convegno "La Valutazione di Impatto Ambientale: nuovi orientamenti tecnici e normativi", Università degli Studi dell'Insubria di Varese, Varese, Italy, 8 October 2010. (C) (R)
 - 3rd International Symposium on Energy from Biomass and Waste, IWWG International Waste Working Group, Venice, Italy, 8-11 November 2010. (R)
 - Convegno "Mobilità urbana sostenibile", Università degli Studi dell'Insubria di Varese, Varese, Italy, 24 March 2011. (C)
 - Convegno "Guida alle recenti riforme ambientali: cosa cambia per le imprese", Lexmeeting, Milano, Italy, 31 March 2011. (R)
 - IAIA11 "Impact Assessment and Responsible development for infrastructure, business and industry", International Association for Impact Assessment, Convention Center, Puebla, Mexico, 28 May-4 June 2011. (R)
 - III Settimana europea sul paesaggio – Université d'été 2011, Ottava edizione "Colloqui di Arosio sul paesaggio - Il ruolo degli enti locali e la Convenzione Europea del paesaggio. Contributo per la messa in opera della Convenzione Europea sul Paesaggio", Cesano Maderno (MB), 1 September 2011. (R)
 - 13th International Waste Management and Landfill Symposium "Sardinia 2011", S. Margherita di Pula (Cagliari), Sardinia, Italy, 3 - 7 October 2011. (CA)
 - Convegno "La Valutazione Ambientale Strategica: nuovi orientamenti tecnici e normativi", Università dell'Insubria, Varese, Italy, 7 October 2011. (C)
 - Convegno "Riflessioni, orientamenti, applicazioni in materia di sicurezza e salute", Università dell'Insubria, Varese, Italy, 27 October 2011. (C)
 - Convegno "Aspetti innovativi in materia di rischi di incidenti rilevanti", Università dell'Insubria, Varese, Italy, 14 November 2011. (C) (R)
 - Convegno "Autorizzazione integrata ambientale degli impianti di depurazione delle acque", Università degli Studi di Brescia, Brescia, Italy, 2 December 2011. (R)
 - International Workshop "Integrated Risk. Definition, Assessment, Management", Fondazione Lombardia per l'Ambiente, Palazzo Clerici,

- Milan, Italy, 14-16 March 2012. (R)
- International Symposium "SUM2012 Urban Mining", IWWG International Waste Working Group, Old Monastery of Saint Augustine, Bergamo, Italy, 21-23 May 2012. (R)
 - 5th International Conference on Safety & Environment in Process & Power Industry, CISAP-5, Milan, Italy, 3-6 June 2012. (CA)
 - 11th International Probabilistic Safety Assessment and Management Conference and The Annual European Safety and Reliability Conference, Scandic Marina Congress Center, Helsinki, Finland, 25–29 June 2012. (CA)
 - SIDISA 2012, Sustainable Technology for Environmental Protection, International Symposium of Sanitary and Environmental Engineering, 11th Edition, Milan, Italy, 26 - 29 June 2012. (CA)
 - International Conference on Innovation and Collaboration in Engineering Research – INCER2012, Iniversitate Politehcnica, Bucarest, Romania, 3-5 July 2012. (R)
 - Crete 2012 – 3rd International Conference on Industrial and hazardous Waste Management, Chania, Greece, 12-14 September 2012. (R)
 - Nose 2012 - 3rd International Conference on Environmental Odour – Monitoring & Control, Palermo, Italy, 23-26 September 2012. (R)
 - Venice 2012 - Fourth International Symposium On Energy From Biomass And Waste San Servolo, Venice (Italy) 12-15 November 2012. (R)
 - IWA 3rd Regional Conference in Membrane Technology, Buenos Aires Argentina, 3-6 December 2012. (CA)
 - 9° Convegno Internazionale "Ricerca e Cooperazione allo Sviluppo. Quali Sinergie?" Università degli Studi di Brescia, Brescia, Italy, 21 December 2012. (R)
 - 5th International Academic Conference, International Institute of Social and Economic Sciences (IISES), Buenos Aires, Argentina, February 3-6, 2013. (CA)
 - 6th International Conference on Manufacturing Science and Education – MSE 2013, Sibiu, Romania 12-15 June, 2013. (C) (R)
 - 4th International Conference on Energy and Sustainability, Bucharest, Romania, 19-21 June 2013. (R)
 - 2013 Prognostics and System Health Management Conference PHM-2013, Milan, Italy, 8-11 September, 2013. (CA)
 - 7th International Conference on Environmental Engineering and Management – Integration Challenges for Sustainability. Vienna, Austria, 18-21 September 2013. (CA)
 - The European Safety and Reliability Conference, ESREL 2013, Amsterdam, The Netherlands, 29 September- 2 October 2013. (CA)
 - 14th International Waste Management and Landfill Symposium, Forte Village, Santa Margherita di Pula (CA); Italy, 30 September-4 October 2013. (CA)
 - International Conference on Energy and Environment (CIEM), University Politecnica of Bucharest, Bucharest, 7-8 November 2013. (R)
 - Workshop SiCon 2014, Siti contaminate: esperienze negli interventi di risanamento, Università di Brescia, Italy, 6-8 February 2014. (CA)
 - Convegno "Sicurezza e impianti a biogas", Politecnico di Milano, Cremona, Italy, 7 April 2014. (C) (R)
 - The International Conference on Technologies and Materials for Renewable Energy, Environment and Sustainability, TMREES14, Beirut, Lebanon, 10-13 April 2014. (CA)
 - 6th International Conference on Safety & Environment in Process & Power Industry, CISAP-6, Bologna, Italy, 13-16 April 2014. (CA)
 - Waste Management 2014 - 7th International Conference on Waste Management and the Environment, Wessex Institute, Ancona, Italy, 12 - 14 May 2014. (R)

- XII Simposio Italo-Brasileiro de Engenharia Sanitaria e Ambiental – Gestao Integrada, Avanços Tecnologicos e Regulação, Natal, RN, Brasil, 19-21 May 2014. (CA)
- SUM 2014 - Second Symposium on Urban Mining, International Waste Working Group, IWWG, Bergamo, Italy, 19-21 May 2014. (R)
- VIII Conferință a Hidroenergienilor din România, Dorin Pavel, Bucharest, Romania 22-23 May 2014. (R)
- XIV-a Conferință internațională – multidisciplinară, "Profesorul Dorin Pavel - fondatorul hidroenergeticii românești", Sebeș, Romania, 6 - 7 June 2014. (R)
- 13th IWA Specialist Conference on Watershed and River Basin Management, San Francisco, USA, 9-14 September 2014. (CA)
- NOSE2014 - 4th International Conference on Environmental Odour Monitoring & Control, Venice, Italy, 14-17 September 2014. (CA)
- Sustainable City 2014 - 9th International Conference on Urban Regeneration and Sustainability, Wessex Institute, Siena, Italy, 23-25 September 2014. (R)
- International Symposium ISB-INMA TEH 2014 – Agricultural and mechanical Engineering, Polytechnic of Bucharest, Romania, 30-31 October 2014. (CA)
- Convegno Prevenzione e Controllo degli Odori negli Impianti di Trattamento Acque, Università degli Studi dell'Insubria, Varese, Italy, 25 November 2014. (C)
- VENICE 2014 – 5th International Symposium on Energy from Biomass and Waste – IWWG International Waste Working Group. 17-20 November 2014. (CA) (C)
- TMREES2015 International Conference – Technologies and Materials for Renewable Energy, Environment and Sustainability. Beirut, Lebanon, 17-20 April 2015. (CA)
- Waste-to-Resources 2015 – 6th International Symposium MBT-MRF & Recycling – Energy and Resources from MSW and organic waste. WasteConsult International – Hannover, Germany, 5-8 May 2015. (CA)
- Safe 2015 - 6th International Conference on Safety and Security Engineering, Wessex Institute, Opatija, Croatia, 6-8 May 2015. (C) (R)
- 7th International Conference on Manufacturing Science and Education – MSE 2015, Sibiu, Romania, 3-5 June 2015. (CA) (R)
- WREC XIV - World Renewable Energy Congress 14, University Politehnica of Bucharest, Bucharest – Romania, 8-12 June 2015. (CA)
- 5th International Conference on Environmental Management, Engineering, Planning and Economics – CEMEPE 2015, Mykonos Island, Greece, 14-18 June 2015. (CA)
- 14th International Conference on Environmental Science and Technology - CEST2015, 3-5 September 2015, Rhodes, Greece. (R)
- 5th World Sustainability Forum, 7-9 September 2015, Centre for Teaching and Research of the University Hospital of Basel, Basel, Switzerland. (C) (R)
- International Symposium Occupational Health and safety – SESAM 7th Edition – 30 September-2 October 2015, Poiana Brasov, Romania (CA)
- 9th International Conference INTER-ENG 2015 Interdisciplinarity in Engineering, "Petru Maior" University of Tîrgu-Mureș, Romania, 8-9 October 2015. (CA)
- 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. (CA)
- International Symposium ISB-INMA TEH 2015 – Agricultural and Mechanical Engineering, Polytechnica University of Bucharest, 30

October - 1 November 2015, Bucharest, Romania. (CA)

- Tecnologie ambientali innovative: rassegna ed esempi applicativi concreti – LIUC University, Castellanza (Italy), 28 April 2016. (R)
- Technologies and Materials for Renewable Energy, Environment and Sustainability - TMREES16 International Conference, 8-11 May 2016, Beirut-Lebanon. (CA)
- SUM 2016 - 3rd Symposium on Urban Mining, IWWG - International Waste Working Group, University of Bergamo, 23–25 May 2016, Bergamo, Italy. (CA)
- Air Pollution 2016, The 24th International Conference on Modelling, Monitoring and Management of Air Pollution, 20 - 22 June 2016, Crete, Greece. (CA)
- Sidisa 2016, X International Symposium on Sanitary and Environmental Engineering, University Rome La Sapienza, 19-23 June 2016, Rome, Italy. (C) (R)
- 2nd International Conference on Energy Production and Management in the 21st Century – Energy Quest 2016, Wessex Institute, 6-8 September 2016, Ancona, Italy. (R)
- 7th International Conference on Safety & Environment in Process & Power Industry, CISAP-7, 25th - 28th September 2016, Ischia (NA), Italy. (CA)
- 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. (CA)
- Wastewater & Biowaste management and exploitation – sezione Applicazione di tecnologie appropriate su acque e rifiuti in progetti di cooperazione Internazionale, Ecomondo 2016, Rimini, Italia, 8 novembre 2016. (CA)
- VENICE 2016 – 6th International Symposium on Energy from Biomass and Waste – IWWG International Waste Working Group. 14-17 November 2016. (C)
- The 3rd International Conference on Environmental Pollution, Restoration, and Management. Quy Nhon, Vietnam, March 6 - 10, 2017. (CA)
- Le analisi energetiche degli edifici, Varese, Italy, 20 aprile 2017. (C)
- Minimizzazione della produzione dei fanghi di depurazione: come? Auditorium Città di Mortara (PV), 20 Aprile 2017. (C)
- Technologies and Materials for Renewable Energy, Environment and Sustainability - TMREES17 Spring Meeting - International Conference, 21-24 April 2017, Beirut-Lebanon. (CA)
- 8th International Conference on Manufacturing Science and Education – MSE 2017, Sibiu, Romania, 7-9 June, 2017.
- 5th International Conference on Sustainable Solid Waste Management – Athens2017, Athens, Greece, 21-24 June, 2017. (CA)
- RUS Rete delle Università per lo Sviluppo sostenibile – La didattica per lo sviluppo sostenibile negli Atenei italiani, Università Cà Foscari – Venezia, 10 July 2017. (CA)
- 7th International Conference on Safety and Security Engineering – SAFE 2017, Rome, Italy, 6-8 September 2017. (C) (R)
- CUCS Milano 2017 - Migration. Peace and development. New challenges and new faces for Cooperation. V CONGRESS of the Italian University Network for Development Cooperation, 14-15th of September 2017, Milan, Italy. (CA)
- 16th International Waste management and Landfill Symposium – Sardinia 2017, Forte Village, Santa Margherita di Pula (CA), Italy, 2-6 October 2017. (CA)
- BioMAc 2017 - Bioreattori a Membrane (MBR) per la depurazione delle Acque, Università Federico II di Napoli, 9-10 Ottobre 2017. (R)

- 8th International Symposium on Occupational Health and Safety – SESAM – 19 October 2017, Bucharest, Romania. (CA)
- Bioeconomy dialogues - Progetti green dal territorio e oltre. Unione degli Industriali della Provincia di Varese, Saronno (VA), 28 novembre 2017. (R)
- Technologies and Materials for Renewable Energy, Environment and Sustainability - TMREES16 International Conference, 1-3 February 2018, Beirut-Lebanon. (CA)
- 4th Symposium on Urban Mining and Circular Economy, SUM 2018, 21-23 May 2018, Bergamo, Italy. (CA)
- Percorsi di sostenibilità: rifiuti, energia e mobilità – Esperienze a confronto, 11 giugno 2018, Varese. (C)
- Air Pollution 2018 - 26th International Conference on Modelling, Monitoring and Management of Air Pollution. 19 – 21 June, 2018. Naples, Italy. (CA)
- Energy Quest 2018 - 3rd International Conference on Energy Production and Management: The Quest for Sustainable Energy. 10-12 September, 2018, New Forest, UK. (CA)
- International Multidisciplinary Symposium “Universitaria Simpro 2018”, 8th Edition “Challenges and Opportunities for Sustainable Development through Quality and Innovation in Engineering and Research Management”, University of Petroșani, Romania, October 11-13, 2018. (CA)
- The VENICE 2018 – 7th International Symposium on Energy from Biomass and Waste – IWWG International Waste Working Group. 15-18 October 2018. (CA)
- La gestione dei rifiuti nelle Università: verso un modello di economia circolare, organized by RUS - Ecomondo 2018, Rimini, Italia, 6 November 2018. (CA)
- 9th International Conference on Manufacturing Science and Education – MSE 2015, Sibiu, Romania, 5-7 June 2019. (CA)
- 17th International Conference on Chemistry and the Environment. 16–20 June 2019, Aristotle University Research Dissemination Centre, Thessaloniki, Greece. (R, C)
- Air Pollution 2019 - 27th International Conference on Modelling, Monitoring and Management of Air Pollution, WESSEX, 26 – 28 June, 2019, Aveiro, Portugal (R)
- Convegno GRICU 2019 “Il contributo dell'Ingegneria Chimica Italiana alla sostenibilità globale”, Mondello, Palermo, 30 giugno - 3 luglio 2019 (CA)
- Energy and Sustainability 2019 - 8th International conference on Energy and Sustainability, WESSEX, 3-5 July 2019, Coimbra, Portugal. (R)
- 9th International Symposium on Occupational Health and Safety – SESAM – 3 October 2019, Bucharest, Romania. (CA)
- Problematiche acustiche in ambito industriale e residenziale, 11 ottobre 2019, Varese. (C)
- Webinar - Water treatment technologies and options for circular economy. 27 October 2020. (C)
- The VENICE 2020 – 8th International Symposium on Energy from Biomass and Waste – IWWG International Waste Working Group. 16-18 November 2020. (R) (C) (CA)
- Recycling and recovery of solid waste: state of the art and developments for fostering the circular economy, Varese, Italy, February 25th, 2021. (C)
- 10th International Conference on Manufacturing Science and Education – MSE 2021, Sibiu, Romania, 2-4 June 2021. (CA)
- 8th International Conference on Sustainable Solid Waste Management, Thessaloniki, Greece, 23-26 June 2021. (CA)

- XI International Symposium on Environmental Engineering – SIDISA2021, Turin, Italy, June 29th to July 2nd 2021. (CA)
- ISWA World Congress 2021, Athens, Greece, 4-7 October 2021. (CA)
- Sustainable City 2021 – 15th International Conference on Urban Regeneration and Sustainability, 5-7 October 2021, Bilbao, Spain, Wessex Institute. (CA)
- Energy and Sustainability 2021 - International Conference, 6-8 October 2021, Bilbao, Spain, Wessex Institute. (CA)
- 10th International Conference on Energy and Environment – CIEM 2021, 14-15 October 2021, University Politehnica of Bucharest, Romania. (CA)
- 10th International Symposium Occupational Health and Safety SESAM 2021, 18th October 2021 Petrosani, Romania. (CA)
- Recycling and Recovery of Solid Waste: State of the Art and Developments for Fostering the Circular Economy – 2nd Edition, Varese, Italy, Insubria University, 24th February 2022. (C)
- International Conference on Technologies and Materials for Renewable Energy, Environment & Sustainability – TMREES 22, May 9-11, Metz, France. (CA)
- Insects to feed the world, 12–16 June 2022, Quebec City, Canada. (CA)
- 9th International Conference on Sustainable Solid Waste Management, 15-18 June 2022, Corfu Island, Greece. (CA)
- 9th IUPAC International Conference on Green Chemistry (ICGC), 5-9 September 2022, Athens, Greece. (CA)
- Concrete in the Ecological Transition – Italian Concrete Conference ICC 2022, 12-15 October, Naples, Italy. (CA)
- European PhD Network "Insect Science" - XIII Annual Meeting, 16-18 November 2022, Florence, Italy. (CA)
- Venice 2022 - 9th International Symposium on Energy from Biomass and Waste, 21-23 November 2022, Venice, Italy. (CA)
- Convegno Oltre il genere - La diversità come punto di forza, 29 November 2022, Università degli Studi dell'Insubria, Varese, Italy. (R)
- Technologies and Materials for Renewable Energy, Environment and Sustainability – TMREES 2023, March 8-10, 2023, Metz, France. (CA)
- XVI International Scientific Conference of Environmental and Climate Technologies CONECT 2023, 10 – 12 May 2023, Riga, Latvia. (R)
- Conference Il procedimento di bonifica – Normativa, aspetti professionali e casi pratici, Varese, 24 May 2023. (R)
- Resilienza e sostenibilità: Riduzione della produzione di rifiuti urbani, Università Insubria, Varese, June 12 2023. (C)
- 10th International Conference on Sustainable Solid Waste Management, Chania, Greece, 21-24 June 2023. (CA)
- International Conference on Sustainable, Circular Management and Environmental Engineering - ISCMEE 2023, 12 July 2023, İzmir, Turkey. (CA)
- 11th International Conference on Energy and Environment – Energy Security and Resilience – CIEM23, 26-27 October 2023, Bucharest, Romania. (CA)
- 1st International Conference on Circularity, Sustainability and Resilience in Water, Wastewater and Sludge Management – CSRW24, 11-13 February 2024. Insubria University, Varese, Italy. (C,R)
- XVII International Scientific Conference of Environmental and Climate Technologies CONECT 2024, 15–17 May 2024, Riga, Latvia. (CA)
- VI Euro-Mediterranean Conference for Environmental Integration – EMCEI, 15-18 May 2024, Marrakech, Morocco. (CA)
- Convegno “Il ruolo dell’ingegnere ambientale nella società moderna tra etica, formazione accademica e professione”, Università Insubria, Varese 24 May 2024. (C,R)

- Technologies and Materials for Renewable Energy, Environment and Sustainability - TMREES24, 09-10 July 2024, Metz – France. (CA)
- 7th International Congress Water, Waste and Energy Management, 24-26 July 2024, Lisbon, Portugal. (CA)
- The 2024 IEEE Conference on Advanced Topics on Measurement and Simulation - ATOMS, 28-30 August, 2024, Constanta, Romania. (CA)
- *fib* International Conference on Concrete Sustainability, 11-13 September 2024, Guimarães, Portugal. (CA)
- VIII Convegno della rete CUCS – Coordinamento Universitario per la Cooperazione e lo Sviluppo, Firenze, 12-14 Settembre 2024. (CA)
- 13th International Conference on Sustainable Development and Planning, Seville, Spain, 23-25 September 2024. (CA)
- XII International Symposium on Environmental Engineering - SIDISA 2024, 1-4 October 2024, Palermo, Italy. (C.CA)
- International Multidisciplinary Symposium “Universitaria Simpro 2024”, 11th Edition “Quality and Innovation in Education, Research and Industry – The Success Triangle for a Sustainable Economic, Social and Environmental Development”, University of Petroșani, Romania, October 24-26, 2014. (CA)
- Venice 2024 - 10th International Symposium on Energy from Biomass and Waste, 25-27 November 2024, Venice, Italy. (CA)
- Gestire le Emissioni, Prevenire le Molestie Olfattive, 16 Maggio 2025, Varese. (CA)
- International Conference on Adaptive Technologies for Sustainable Growth – ICATS 2025, Paavai Engineering College, May 28th, 2025, India. (R)
- 7th Euro-Mediterranean Conference for Environmental Integration - EMCEI-2025, 23-26 June 2025, Mediterranea University, Reggio Calabria, Italy. (CA)
- 9th International Conference of Recent Trends in Environmental Science and Engineering - RTESE 2025, July 17-19, 2025, London, United Kingdom. (R)
- 6th International Conference on Environmental Science and Applications – ICESA 2025, October 27-29, 2025, Barcelona, Spain. (CA)
- Advances in Water Treatment for Emerging Contaminants Removal – AWaTEC26, University of Insubria, Varese, Italy, March 11, 2026. (C)
- 2nd International Conference on Circularity, Sustainability and Resilience in Water, Wastewater and Sludge Management – CSRW26, March 29th to April 1st, 2026, Thessaloniki, Greece. (C,R)

BOOKS AND CHAPTERS

Books

1. Torretta V. (2006). Sicurezza e analisi di rischio di incidenti rilevanti. Sistemi Editoriali, Pozzuoli, Napoli, ISBN 513-0340-1.
2. Torretta V. (2010). Studi e procedure di valutazione di impatto ambientale. Flaccovio Editore, Palermo, ISBN 978-579-0021-6.
3. Raboni M., Torretta V., Urbini G. (2015). Ingegneria sanitaria ambientale. Flaccovio Editore, Palermo, ISBN 978-88-579-0352-1.
4. Monte M.M., Torretta V. (2016). Valutazione e impatto ambientale – Manuale tecnico-operativo per la elaborazione di studi di impatto ambientale. Hoepli, Milano, ISBN 978-88-203-7552-2.
5. Torretta V., Martelli A. (2022). Studi e procedure per la compatibilità ambientale. Litissea Ed., Legnano, ISBN 978-88-947054-0-9.

- 6 Copelli S., Torretta V. (2023). Introduzione alla sicurezza degli incidenti rilevanti. Litissea Ed., Legnano, ISBN 978-88-947054-2-3.

Chapters of books

1. Torretta V., Conti F. (2007). Il trattamento di reflui industriali e rifiuti liquidi (a cura di Claudio Libello) – Capitolo: Sicurezza degli impianti di depurazione (gestione in sicurezza degli impianti di depurazione – Il caso dell'acido peracetico). Mc-Graw-Hill Editore, Milano. Pages 297-309, ISBN 978-88-386-6520-2.
2. Torretta V., Urbini G. (2010). Trattamenti e smaltimento dei rifiuti urbani e dei fanghi di depurazione (a cura di Ezio Ranieri e Piero Sirini) – Capitolo 19: Criteri e tecnologie per la valorizzazione energetica degli scarti con processi biologici anaerobici. Mc-Graw-Hill Editore, Milano. Pages 287-300, ISBN 978-88-386-6245-4.
3. Torretta V. (2015). Wastewater Treatment: Occurrence and Fate of Polycyclic Aromatic Hydrocarbons (PAHs) (Edited by Amy J. Forsgren) – Chapter 7: PAHs in Wastewater and removal Efficiency in Conventional wastewater Treatments Plants. CRC Press, Taylor and Francis Group, Boca Raton, FL, USA. Pp. 141-156, ISBN 978-1-4822-4317-8.
4. Trulli E., Torretta V., Rada E.C., Ragazzi M. (2016). Waste Management and Valorization – Alternative Technologies (Edited by Elena C. Rada) – Chapter 3: Optimization of Anaerobic Waste management Systems. Apple Academic Press, Waretown, NJ, USA. Pp 69-86, ISBN 978-1-77188-306-1.