

# CURRICULUM VITAE VINCENZO TORRETTA



## PERSONAL INFORMATION

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

## CURRENT EMPLOYMENT

University	University of Insubria, Varese – Department of Theoretical and Applied Sciences, via G.B. Vico 46 – 21100 Varese, Italy
Role	Full Professor (full time), Discipline CEAM-02/A, since December 1 <sup>st</sup> , 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, Chile (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)

## **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.

**EDITOR, REVIEWER AND  
PARTICIPATION TO EDITORIAL  
BOARD**

- 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.
  
- 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".
- 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:

- ❑ 2<sup>nd</sup> International Conference on Circularity, Sustainability and Resilience in Water, Wastewater and Sludge Management – CSRW26, March 29<sup>th</sup> to April 1<sup>st</sup>, 2026, Thessaloniki, Greece.
- ❑ International Conference on Circularity, Sustainability and Resilience in Water, Wastewater and Sludge Management – CSRW24, 11-13 February 2024. Insubria University, Varese, Italy.
- ❑ Recycling and recovery of solid waste: state of the art and developments for fostering the circular economy – 2<sup>nd</sup> 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
- ❑ 6<sup>th</sup> 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 – 5<sup>th</sup> 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.
- ❑ 6<sup>th</sup> International Conference on Safety and Security Engineering – SAFE2015, Wessex institute, 6-8 may 2015, Opatija, Croatia.
- ❑ 7<sup>th</sup> International Conference on Manufacturing Science and Education – MSE 2015, Sibiu, Romania, 3-5 June 2015.
- ❑ 5<sup>th</sup> World Sustainability Forum, 7-9 September 2015, Centre for Teaching and Research of the University Hospital of Basel, Basel, Switzerland.
- ❑ 7<sup>th</sup> International Conference of Management and Industrial Engineering Management – The Key Driver for Creating Value - ICMIE 2015, October 22<sup>nd</sup> – 23<sup>rd</sup>, 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.
- ❑ 1<sup>st</sup> 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.
- ❑ 11<sup>th</sup> International Conference on Urban Regeneration and Sustainability -

- Sustainable City 2016, Wessex Institute, 12-14 July 2016 Alicante, Spain.
- ❑ International Multidisciplinary Symposium “Universitaria Simpro 2016”, 7<sup>th</sup> Edition “Sustainable Development through Quality and Innovation in Engineering and Research”, University of Petroșani, Romania, October 14-15, 2016.
  - ❑ VENICE 2016 – 6<sup>th</sup> 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.
  - ❑ 8<sup>th</sup> International Conference on Manufacturing Science and Education – MSE 2017, Sibiu, Romania, 7-9 June, 2017.
  - ❑ 7<sup>th</sup> International Conference on Safety and Security Engineering – SAFE 2017, Rome, Italy, 6-8 September 2017.
  - ❑ 8<sup>th</sup> International Conference of Management and Industrial Engineering “Management in the Innovation Society” - ICMIE 2017. October 12<sup>th</sup> – 14<sup>th</sup>, 2017, Library Building, University Politehnica of Bucharest, Romania.
  - ❑ The 8<sup>th</sup> 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 – 7<sup>th</sup> International Symposium on Energy from Biomass and Waste – IWWG International Waste Working Group. 15-18 October 2018.
  - ❑ 9<sup>th</sup> International Conference on Manufacturing Science and Education – MSE 2019, Sibiu, Romania, 5-7 June 2019.
  - ❑ 17<sup>th</sup> International Conference on Chemistry and the Environment. 16–20 June 2019, Aristotle University Research Dissemination Centre, Thessaloniki, Greece.
  - ❑ 5<sup>th</sup> 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 - 13<sup>th</sup> International Conference on Urban Regeneration and Sustainability, 1-3 October 2019, Valencia, Spain, Wessex Institute.
  - ❑ 9<sup>th</sup> International Symposium on Occupational Health and Safety – SESAM – 3 October 2019, Petrosani, Romania.
  - ❑ The 9<sup>th</sup> 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 30<sup>th</sup> to July 3<sup>rd</sup> 2020 (postponed to 2021).
  - ❑ The VENICE 2020 – 8<sup>th</sup> International Symposium on Energy from Biomass and Waste – IWWG International Waste Working Group. 16-18 November 2020.
  - ❑ 10<sup>th</sup> 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 29<sup>th</sup> to July 2<sup>nd</sup> 2021.
  - ❑ Sustainable City 2021 - 15<sup>th</sup> 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.
  - ❑ 10<sup>th</sup> International Symposium Occupational Health and Safety SESAM 2021, 18th October 2021 Petrosani, Romania.
  - ❑ 5<sup>th</sup> 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 - 16<sup>th</sup> 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 - 9<sup>th</sup> 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 - 10<sup>th</sup> International Symposium on Energy from Biomass and Waste, 25-27 November 2024, Venice, Italy.
- ❑ 8<sup>th</sup> 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.

#### DOCTORAL SCHOOL IN ITALY AND ABROAD

- ❑ Member of Disgrape School Committee in Chemical and Environmental Sciences (DISCA) University of Insubria since 2013, 35.000 nel 2009, 70.000 nel 2010, 200.000 nel 2011, 24.000 nel 2012, 41.000 nel 2013.
- ❑ Member of Disgrape School Committee in 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), 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).
- ❑ 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, 7<sup>th</sup> 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, 2852-2861, doi: 10.3390/su4112852, ISSN: 2071-1050.
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.
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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
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222. Castellani P., Ferronato N., Barbieri J., Menya E., Carnevale Miino M., Torretta V. (2024). Solid waste management in Ugandan developing cities: Material flow analysis and sustainable practices for reducing the Global Warming Potential. *Waste Management and Research*, doi: 10.1177/0734242X241291940. In press.
223. Rada E.C., Nicolae I.C., Zerbis 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.
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- 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.
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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*. doi: 10.1080/09593330.2025.2501297. In press.
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### **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-*

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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.
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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.

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

- Seminar “Odour control and measurement”, Ministry of Environment, Riga, Lettonia 29<sup>th</sup> March 2004. (R)
- Convegno "Advance warning and runaway disposal", presso Instituto 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 – 12<sup>th</sup> 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)
  - 3<sup>rd</sup> 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)
  - 5<sup>th</sup> 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)
  - 14<sup>th</sup> 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)
  - 3<sup>rd</sup> 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)
  - 13<sup>th</sup> 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)
- 5<sup>th</sup> International Conference on Safety & Environment in Process & Power Industry, CISAP-5, Milan, Italy, 3-6 June 2012. (CA)
  - 11<sup>th</sup> 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, 11<sup>th</sup> 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 – 3<sup>rd</sup> International Conference on Industrial and hazardous Waste Management, Chania, Greece, 12-14 September 2012. (R)
  - Nose 2012 - 3<sup>rd</sup> 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 3<sup>rd</sup> 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)
  - 5<sup>th</sup> International Academic Conference, International Institute of Social and Economic Sciences (IISES), Buenos Aires, Argentina, February 3-6, 2013. (CA)
  - 6<sup>th</sup> International Conference on Manufacturing Science and Education – MSE 2013, Sibiu, Romania 12-15 June, 2013. (C) (R)
  - 4<sup>th</sup> 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)
  - 7<sup>th</sup> 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)
  - 14<sup>th</sup> 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 Politehcnica 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)
  - 6<sup>th</sup> International Conference on Safety & Environment in Process & Power Industry, CISAP-6, Bologna, Italy, 13-16 April 2014. (CA)
  - Waste Management 2014 - 7<sup>th</sup> 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 Tecnológicos 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 Hidroenergeticienilor 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)
- 13<sup>th</sup> IWA Specialist Conference on Watershed and River Basin Management, San Francisco, USA, 9-14 September 2014. (CA)
- NOSE2014 - 4<sup>th</sup> International Conference on Environmental Odour Monitoring & Control, Venice, Italy, 14-17 September 2014. (CA)
- Sustainable City 2014 - 9<sup>th</sup> 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 – 5<sup>th</sup> 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 – 6<sup>th</sup> International Symposium MBT-MRF & Recycling – Energy and Resources from MSW and organic waste. WasteConsult International – Hannover, Germany, 5-8 May 2015. (CA)
- Safe 2015 - 6<sup>th</sup> International Conference on Safety and Security Engineering, Wessex Institute, Opatija, Croatia, 6-8 May 2015. (C) (R)
- 7<sup>th</sup> 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)
- 5<sup>th</sup> International Conference on Environmental Management, Engineering, Planning and Economics – CEMEPE 2015, Mykonos Island, Greece, 14-18 June 2015. (CA)
- 14<sup>th</sup> International Conference on Environmental Science and Technology - CEST2015, 3-5 September 2015, Rhodes, Greece. (R)
- 5<sup>th</sup> 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)
- 7<sup>th</sup> International Conference of Management and Industrial Engineering Management – The Key Driver for Creating Value - ICMIE 2015, October 22<sup>nd</sup> – 23<sup>rd</sup>, 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 - 3<sup>rd</sup> Symposium on Urban Mining, IWWG - International Waste Working Group, University of Bergamo, 23–25 May 2016, Bergamo, Italy. (CA)
- Air Pollution 2016, The 24<sup>th</sup> 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)
- 2<sup>nd</sup> International Conference on Energy Production and Management in the 21<sup>st</sup> Century – Energy Quest 2016, Wessex Institute, 6-8 September 2016, Ancona, Italy. (R)
- 7<sup>th</sup> International Conference on Safety & Environment in Process & Power Industry, CISAP-7, 25<sup>th</sup> - 28<sup>th</sup> 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 Petroşani, 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 – 6<sup>th</sup> International Symposium on Energy from Biomass and Waste – IWWG International Waste Working Group. 14-17 November 2016. (C)
- The 3<sup>rd</sup> 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)
- 8<sup>th</sup> International Conference on Manufacturing Science and Education – MSE 2017, Sibiu, Romania, 7-9 June, 2017.
- 5<sup>th</sup> 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)
- 7<sup>th</sup> 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, 14-15<sup>th</sup> of September 2017, Milan, Italy. (CA)
- 16<sup>th</sup> 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)
- 8<sup>th</sup> 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)
  - 4<sup>th</sup> 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 - 26<sup>th</sup> International Conference on Modelling, Monitoring and Management of Air Pollution. 19 – 21 June, 2018. Naples, Italy. (CA)
  - Energy Quest 2018 - 3<sup>rd</sup> 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)
  - 9<sup>th</sup> International Conference on Manufacturing Science and Education – MSE 2015, Sibiu, Romania, 5-7 June 2019. (CA)
  - 17<sup>th</sup> International Conference on Chemistry and the Environment. 16–20 June 2019, Aristotle University Research Dissemination Centre, Thessaloniki, Greece. (R, C)
  - Air Pollution 2019 - 27<sup>th</sup> 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 - 8<sup>th</sup> International conference on Energy and Sustainability, WESSEX, 3-5 July 2019, Coimbra, Portugal. (R)
  - 9<sup>th</sup> 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 25<sup>th</sup>, 2021. (C)
  - 10<sup>th</sup> International Conference on Manufacturing Science and Education – MSE 2021, Sibiu, Romania, 2-4 June 2021. (CA)
  - 8<sup>th</sup> International Conference on Sustainable Solid Waste Management, Thessaloniki, Greece, 23-26 June 2021. (CA)
  - XI International Symposium on Environmental Engineering – SIDISA2021, Turin, Italy, June 29<sup>th</sup> to July 2<sup>nd</sup> 2021. (CA)
  - ISWA World Congress 2021, Athens, Greece, 4-7 October 2021. (CA)

- Sustainable City 2021 – 15<sup>th</sup> 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)
- 10<sup>th</sup> International Conference on Energy and Environment – CIEM 2021, 14-15 October 2021, University Politehnica of Bucharest, Romania. (CA)
- 10<sup>th</sup> International Symposium Occupational Health and Safety SESAM 2021, 18<sup>th</sup> October 2021 Petrosani, Romania. (CA)
- Recycling and Recovery of Solid Waste: State of the Art and Developments for Fostering the Circular Economy – 2<sup>nd</sup> Edition, Varese, Italy, Insubria University, 24<sup>th</sup> 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)
- 9<sup>th</sup> International Conference on Sustainable Solid Waste Management, 15-18 June 2022, Corfu Island, Greece. (CA)
- 9<sup>th</sup> 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 - 9<sup>th</sup> 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)
- 10<sup>th</sup> 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)
- 11<sup>th</sup> International Conference on Energy and Environment – Energy Security and Resilience – CIEM23, 26-27 October 2023, Bucharest, Romania. (CA)
- 1<sup>st</sup> 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)
- 7<sup>th</sup> 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)
- 13<sup>th</sup> 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”, 11<sup>th</sup> 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 - 10<sup>th</sup> 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 28<sup>th</sup>, 2025, India. (R)
- 7<sup>th</sup> Euro-Mediterranean Conference for Environmental Integration - EMCEI-2025, 23-26 June 2025, Mediterranea University, Reggio Calabria, Italy. (CA)

## BOOKS AND CHAPTERS

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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.
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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.