







INFORMAZIONE PERSONALE

**Elena Cristina Rada**



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Genere F | Data di nascita 26/07/1978 | Nazionalità Italiana e Romena

WORK EXPERIENCE

- Feb .2025- ad oggi

**Professore Associato**  
 Università dell'Insubria, Dipartimento di Scienze Teoriche e Applicate– DiSTA, via G.B. Vico, 46, 21100, Varese, Italy, <http://www4.uninsubria.it>  
**Settore Scientifico Disciplinare SSD CEAR-02/A (già ICAR/03) Ingegneria Sanitaria-Ambientale**  
**abilitazione scientifica nazionale I fascia**  
**Settore Concorsuale 08/A2 (dal 2024 Gruppo Scientifico Disciplinare CEAR-02)**
- Gen. 2023 –2034

**RTDb**  
 Università dell'Insubria, Dipartimento di Scienze Teoriche e Applicate– DiSTA, via G.B. Vico, 46, 21100, Varese, Italy, <http://www4.uninsubria.it>  
**Settore Scientifico Ingegneria Sanitaria-Ambientale**  
**abilitazione scientifica nazionale II fascia (riconfermata nel 2018)**
- Feb. 2022 – Gen. 2025

**Borsa di ricerca**  
 Università dell'Insubria, Dipartimento di Scienze Teoriche e Applicate– DiSTA, via G.B. Vico, 46, 21100, Varese, Italy, <http://www4.uninsubria.it>  
**Settore Scientifico Ingegneria Sanitaria-Ambientale**  
 Gestione dei rifiuti con recupero energetico e gassificazione decentrata  
**Settore Scientifico Ingegneria Sanitaria-Ambientale**
- Dic. 2013 – Nov. 2029

**Borsa di ricerca**  
 Università dell'Insubria, Dipartimento di Scienze Teoriche e Applicate– DiSTA, via G.B. Vico, 46, 21100, Varese, Italy, <http://www4.uninsubria.it>  
 Covid-19 ed effetti sulla gestione dei rifiuti urbani  
**Settore Scientifico Ingegneria Sanitaria-Ambientale**
- Giu. - Sep. 2021

**Borsa di ricerca**  
 Università dell'Insubria, Dipartimento di Scienze Teoriche e Applicate– DiSTA, via G.B. Vico, 46, 21100, Varese, Italy, <http://www4.uninsubria.it>  
 Covid-19 ed effetti sulla gestione dei rifiuti urbani  
**Settore Scientifico Ingegneria Sanitaria-Ambientale**
- Lug. – Dic. 2020

**Borsa di ricerca**  
 Università dell'Insubria, Dipartimento di Scienze Teoriche e Applicate– DiSTA, via G.B. Vico, 46, 21100, Varese, Italy, <http://www4.uninsubria.it>  
 Covid-19 ed effetti sulla gestione dei rifiuti urbani  
**Settore Scientifico Ingegneria Sanitaria-Ambientale**
- Set 2018 – Intero A.A.

**Professore a contratto**  
 Università dell'Insubria, Dipartimento di Biotecnologie e Scienze della – DBSV, via G.B. Vico, 46, 21100, Varese, Italy, via G.B. Vico, 46, 21100, Varese, Italy, <http://www4.uninsubria.it>  
 "Modulo condiviso: Processi biotecnologici per l'ambiente"  
**Settore:** Biotecnologie / Ingegneria Sanitaria-Ambientale  
 Ricerca e modellazione delle problematiche ambientali, della sicurezza e protezione in termini di inquinamento atmosferico e gestione dei rifiuti con recupero energetico. In particolare:  
  - Raccolta differenziata dei rifiuti
  - Bioessiccazione dei rifiuti solidi urbani e biomasse
  - Biostabilizzazione della frazione organica dei rifiuti
  - Digestione anaerobica
  - Recupero di energia dai rifiuti

- Valutazione di impatto ambientale
- Tecnologie alternative per il trattamento dei fanghi
- Inquinamento atmosferico e riduzione dell'esposizione umana agli inquinanti

2018-2020 **Due Assegni di ricerca annuali (post-“Gelmini”)**

Università dell'Insubria, Dipartimento di Scienze Teoriche e Applicate– DiSTA , via G.B. Vico, 46, 21100, Varese, Italy, <http://www4.uninsubria.it>

Emissioni atmosferiche di metalli pesanti dall'incenerimento e co-incenerimento dei rifiuti: analisi critica e proposta per un avanzamento della normativa.

**Settore Scientifico** Ingegneria Sanitaria-Ambientale

Dic. 2014-Feb. 2018 **Collaboratore di ricerca (post-PhD presso DICAM & DBSV & DiSTA) incluso assegno di ricerca annuale post-“Gelmini”**

Università di Trento, DICAM, via Mesiano 77, 38123, Trento, Italy, <http://www.unitn.it>

Università dell'Insubria, Dipartimento di Biotecnologie e Scienze della – DBSV, via G.B. Vico, 46, 21100, Varese, Italy, <http://www4.uninsubria.it>

Università dell'Insubria, Dipartimento di Scienze Teoriche e Applicate– DiSTA, via G.B. Vico, 46, 21100, Varese, Italy, <http://www4.uninsubria.it>

Ricerca e modellazione ambientale su sicurezza e affidabilità in termini di esposizione critica ad inquinanti organici (inquinamento da odori e salute umana).

**Settore:** Ambiente, salute, sicurezza, territorio / Ingegneria Sanitaria-Ambientale

2012 - Set. 2014 **Ricercatore senior post-PhD, incluso assegno di ricerca annuale post-“Gelmini”**

Università di Trento, via Mesiano 77, 38123, Trento, Italy, <http://www.unitn.it>

Ricerca e modellazione di problematiche ambientali riguardanti inquinamento dell'aria, gestione dei rifiuti con recupero energetico. In particolare:

- raccolta differenziata
- rifiuti urbani e bioessiccazione di biomasse
- biostabilizzazione
- digestione anaerobica
- recupero di energia da rifiuti
- impatto ambientale
- gestione fanghi
- inquinamento atmosferico e interventi

**Settore:** Ingegneria sanitaria-ambientale ed energetica

2010 - 2012 **Assegno di ricerca pre-“Gelmini – 2 anni**

Università di Trento, via Mesiano 77, 38123, Trento, Italy, <http://www.unitn.it>

Ricerca e modellazione di problematiche ambientali in termini di inquinanti tossici emessi in aria: criticità ed esposizione della popolazione

**Settore:** Ingegneria sanitaria-ambientale

2006 - 2010

**Assistente di ricerca post-PhD (inclusa borsa biennale post-dottorato pre-“Gelmini”)**

Università di Trento, via Mesiano 77, 38123, Trento, Italy, <http://www.unitn.it>

Ottimizzazione del processo di bioessiccazione applicato a rifiuti urbani residui

**Settore:** Ingegneria sanitaria-ambientale

FORMAZIONE

- 2015 - 2018 **Dottore di Ricerca in Engineering and Management (Romania) "Excellence"**  
 Lucian Blaga University, Sibiu, Romania  
 ▪ Titolo della ricerca di dottorato : *"The management of Municipal Solid Waste in EU under a circular economy perspective"*
- 2002 - 2005 **Dottore di ricerca in Power Engineering Sciences (Romania) in co-tutela con Dottore di ricerca in Environmental Engineering (Italia) "Magna cum Laude"**  
 Polytechnic University of Bucharest, Romania and University of Trento, Italy  
 ▪ Titolo della ricerca di dottorato: *"MSW bio-drying before energy valorization"*
- 2002 - 2003 **Diploma di studi approfonditi**  
 Polytechnic University of Bucharest, Romania  
**Specialization:** The impact of energy production and use on the environment and society
- 1997 - 2002 **Laurea quinquennale eq. Magistrale in Environmental Engineering**  
 Polytechnic University of Bucharest, Romania  
**Specialization:** Environmental Engineering in Energy Production and Use sector
- 1993 - 1997 **Diploma di Scuola Superiore**  
 I.C. Brătianu High School, Pitești, Romania.

PERSONAL SKILLS

Lingua madre Romeno

Altre lingue	COMPRESIONE		PARLARE		SCRIVERE
	Ascolto	Scrittura	Interazione	Formulazione	
Italian	Ottimo	Ottimo	Ottimo	Ottimo	Ottimo
	C2				
English	Ottimo	Ottimo	Ottimo	Ottimo	Ottimo
	B2				
German	Buono	Buono	Satisfactory	Satisfactory	Buono
	A2				
Spanish	Sufficiente	Sufficiente	-	-	-

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
 Common European Framework of Reference for Languages

## Attività di ricerca

Gestione integrata dei rifiuti. Economia Circolare. Sviluppo Sostenibile. Raccolta differenziata dei rifiuti urbani e speciali. Recupero di materia da rifiuti. Trattamenti biologico-meccanici di rifiuti. Energia da biomasse e rifiuti (incluso biogas). Combustibile Solido Secondario. Discarica sostenibile. Trattamento degli effluenti gassosi. Gestione dell'inquinamento atmosferico (inquinanti convenzionali ed emergenti).

## Abilità comunicative

- Eccellenti abilità comunicative acquisite attraverso numerose esperienze: presentazioni a seminari, conferenze, workshop internazionali, oltre 250 tenuti in Inglese.
- Chair-man in conferenze e workshop internazionali (> 100).

## Abilità organizzative e gestionali

Eccellenti abilità organizzative acquisite nell'ambito dei seguenti seminari, conferenze e workshop:

- "La valorizzazione energetica dei fanghi di depurazione", Rovereto (TN), November 2006.
- "Il Monossido di Carbonio: da inquinante atmosferico ad agente terapeutico", San Michele all'Adige, 10 June 2011
- **VENICE 2010**, "Third International Symposium on Energy from Biomass and Waste", Venice - Italy, 8-11 November 2010.
- **VENICE 2012**, "Fourth International Symposium on Energy from Biomass and Waste", Venice - Italy, 12-15 Novembre 2012.
- **Winter School**: "Biochemical and thermochemical pathways for energy generation from waste and biomass", Venezia, Italy, November 2012 (GITISA- IWWG)
- **VENICE 2014**, "5<sup>th</sup> International Symposium on Energy from Biomass and Waste", Venice - Italy, 12-15 November 2014.
- "Resilienza e sostenibilità: Riduzione della produzione di rifiuti urbani", Varese, 12 June 2023.

Ruoli di responsabilità scientifica superiore:

- **Co-ordinatore** corso di formazione IWWG : "Waste management in low-Income and Developing Countries", 4th October 2009, Santa Margherita di Pula, Cagliari, Italy
- **Co-chair - International conference Diaspora 2012**, 26-27 September 2012, Bucharest, Romania
- **Membro segreteria scientifica: Venice 2016** - 6<sup>th</sup> International Symposium on Energy from Biomass and Waste, 14-17 November 2016, Venice, Italy
- **Membro segreteria scientifica at: Venice 2018** - 7<sup>th</sup> International Symposium on Energy from Biomass and Waste, 15-18 October 2018, Venice, Italy
- **Membro segreteria scientifica: Venice 2020** - 8<sup>th</sup> International Symposium on Energy from Biomass and Waste, 16-19 November 2020, Venice, Italy
- **Comitato scientifico (co-chair/co-presidente): TMREES 2021** -16<sup>th</sup> International Conference on Technologies and Materials for Renewable Energy, Environment and Sustainability, 28-30 May 2021, Athens, Greece
- **Co-chair & Co-Organizzatore: Waste Management and Environmental Impact 2022** - 11<sup>th</sup> International Conference on Waste Management and Environmental and Economic Impact on Sustainable Development, 7-9 June 2022, Madrid, Spain (Wessex)
- **Co-Organizzatore ICETAS 2022** - 6<sup>th</sup> International Conference on Engineering Technology and Applied Sciences Congress, 26-30 October 2022, Tirana, Albania.
- **Organizzatore CSRW 2024** – 1<sup>st</sup> International Conference on Circularity, Sustainability and Resilience in Water, Wastewater and Sludge Management, 11-13 February 2024, Varese, Italy.
- **Presidente del Comitato Scientifico: TMREES25** International Conf Technologies and Materials for Renewable Energy, Environment and Sustainability, 10-13 February 2025, Casablanca, Morocco
- **Co-Organizzatore 2025** –Evento UNInsubria - "Lunga vita ai tessuti" nell'ambito dell'Evento Nazionale "M'illumino di meno" (3° attività di missione)
- **Coordinatore delle relazioni internazionali e membro Comitato Scientifico – BIP-ESkid+ 2025** - Blended Intensive Programme on Environmental Sustainability (kid+), Trento, Italy, <https://bip-eskid.dicam.unitn.it>

## Abilità organizzative e gestionali

- **Presidente del Comitato Scientifico: CSRW26** - 2<sup>nd</sup> International Conference on Circularity, Sustainability and Resilience in Water, Wastewater and Sludge Management, 29 March – 1 April, 2026
- **Co-Coordnatore Comitato Scientifico TMREES 2026** - International Conference on Technologies and Materials for Renewable Energy, Environment and Sustainability, 16-18 April 2026, Beirut, Italy
- **Coordinatore delle relazioni internazionali e membro Comitato Scientifico – BIP-ESkid+ 2026**
  - Blended Intensive Programme on Environmental Sustainability (kid+), Riga, Latvia

## Abilità di reperimento fondi

- Dal 2005 - significativa attività di reperimento fondi acquisiti direttamente o indirettamente per la realizzazione di ricerche (anche per impianti pilota e analisi).

## Titoli scientifici

- Abilitazione scientifica nazionale prima fascia (Italia) SC 08/A2 (SSD ICAR/03) **2023-2034**  
<http://abilitazione.miur.it/public/candidati.php?lang=engde>
- Abilitazione scientifica nazionale seconda fascia (Italia) SC 08/A2 (SSD ICAR/03) **2013-2029**  
<http://abilitazione.miur.it/public/candidati.php?lang=engde>
- World's Top 2% Scientist: **2020 – ad oggi**  
<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw>
- **2025**: Scholar GPS Rank: Top 1% Civil and Environmental Engineering  
<https://scholargps.com/scholars/43444146574474/elena-cristina-rada>

## Esperienza didattica

Abilit L'attività didattica è sempre stata svolta nell'ambito degli insegnamenti ricadenti nel Settore Scientifico Disciplinare CEAR-02/A (già ICAR/03).

**Dal 2006**: attività didattica a livello di laurea triennale, magistrale (o equiv.), dottorato (in ingegneria ambientale) presso:

- Università di Trento
- Università di Padova
- Politehnica University of Bucharest
- Università dell'Insubria (attualmente attiva)

## Esperienza didattica UnInsubria

Docente nel corso di laurea magistrale in Ingegneria Ambientale e per la Sostenibilità degli Ambienti di Lavoro (IASAL), per l'insegnamento di:

- A.A. 2025-2026 Inquinamento e Trattamento dell'Aria (6 CFU)
- A.A. 2024-2025 Economia Circolare e Tecnologie Appropriate per lo Sviluppo Sostenibile (6 CFU)
- A.A. 2023-2024 Economia Circolare e Tecnologie Appropriate per lo Sviluppo Sostenibile (6 CFU)
- A.A. 2023-2024 Complementi di Ingegneria Sanitaria Ambientale (3 CFU)
- A.A. 2022-2023 Complementi di Ingegneria Sanitaria Ambientale (3 CFU)

Docente nel corso di laurea triennale in Ingegneria per la Sicurezza del Lavoro e dell'Ambiente (ISLA), per gli insegnamenti di:

- A.A. 2025-2026 Studi e Procedure per la Compatibilità Ambientale (6 CFU)
- A.A. 2023-2024 Ingegneria Sanitaria Ambientale (9 CFU)
- A.A. 2022-2023 Ingegneria Sanitaria Ambientale (9 CFU)
- A.A. 2021-2022 Ingegneria Sanitaria Ambientale (6 CFU)

## Esperienza didattica UnInsubria

Docente nel corso di laurea triennale in Tecniche della Prevenzione nell'ambiente e nei Luoghi di Lavoro (TPALL), per gli insegnamenti di:

- A.A. 2025-2026 Impatti Ambientali (2 CFU)
- A.A. 2024-2025 Impatti Ambientali (2 CFU)

Docente nel corso di laurea triennale in Biotecnologie, per l'insegnamento di:

- A.A. 2018-2019 Processi Biotecnologici per l'Ambiente (3 CFU)

Docente nel corso di dottorato in Scienze Chimiche e Ambientali (DISCA), Como, per l'insegnamento di:

- A.A. 2022-2023 Waste, biomass and Circular Economy (3 CFU)

Referente per progetti Erasmus  
Attività di ricerca e scientifica

Referente per il progetto Erasmus con l'Università di Oradea

**Oltre 430 pubblicazioni scientifiche**

<https://uninsubria.unifind.cineca.it/get/person/034015>

**269 prodotti in SCOPUS pubblicati su riviste a diffusione internazionale**

**H-index: 41**

**Editore di libri specializzati Apple Academic Press & CRC Press, 2016**

- **Solid Waste Management Policy and Planning: Building a More Sustainable Society**  
DOI: <https://doi.org/10.1201/b19424> , ISBN: 9780429091650
- **Waste Management and Valorization: Alternative Technologies**  
DOI: <https://doi.org/10.1201/b19941> , ISBN: 9781315365251
- **Biological Treatment of Solid Waste: Enhancing Sustainability**  
DOI: <https://doi.org/10.1201/b18872> , ISBN: 9780429155710
- **Thermochemical Waste Treatment: Combustion, Gasification, & Other Methodologies**  
DOI: <https://doi.org/10.1201/b19983> , ISBN: 9781315366494

**Co-Editore di libri specializzati**

- J.J. Casares-Long, M. Lega, **E. Rada** (a cura di), "**Waste Management and Environmental Impact XI**", vol. 257, 230 p. 2022, Wit Press/Computational Mechanics, ISBN: 978-17-846-6463-3
- **E.C. Rada**, M. Ragazzi, G. Ziglio (a cura di), "**La valorizzazione energetica dei fanghi di depurazione**", Trento: Università degli Studi di Trento, Dipartimento di Ingegneria Civile e Ambientale, 2006, 69 p. - Quaderni del Dipartimento; SAN 5, ISBN 13: 978-88-8443-135-6, **CD version**.
- M. Ragazzi, **E.C. Rada** (a cura di), **Energia da biomasse e rifiuti**, Milano: Franco Angeli, 2008, 131 p. ISBN: 978-88-568-0309-9
- M. Ragazzi, E. Mallocci, **E.C. Rada**, M. Venturi, D. Antolini (a cura di), "**Green Building: nuove costruzioni e ristrutturazioni**", Rovereto (TN): Green Building Council Italia, 2010, 94 p. ISBN: 978-88-95351-22-3. – **Manuale LEED Italia nuove costruzioni e ristrutturazioni**

## Attività di ricerca e scientifica

**Capitoli di libri**

- T. Apostol, S. Fedrizzi, A. Franzinelli, L. Lazar, M. Taiss, E.C. Rada, **Cap. 2 Pretrattamento dei rifiuti urbani**, in: Introduzione alla termovalorizzazione dei rifiuti, a cura di M. Ragazzi e Renzo del Duro, pp. 31-45, 2006, ISBN 88-464-7638-7.
- M. Ragazzi, E.C. Rada, P. Fedrizzi, **Cap. 21 "La tecnologia ICT a supporto dell'organizzazione della raccolta dei rifiuti: un caso di studio"**, in "Trattamenti e Smaltimento dei Rifiuti urbani e dei fanghi di depurazione", a cura dei proff. Ranieri e Sirini, Mc Graw Hill, 2010, pp 311- 321, ISBN: 978-88-386-6245-4.
- E. Trulli, V. Torretta, E.C.Rada, M. Ragazzi, M. **Cap 3. "Optimization of anaerobic waste management systems"**, in "Waste Management and Valorization: Alternative Technologies, a cura di E.C. Rada, 2016, pp. 69-85, ISBN: 978-77188-306-1.
- Lakatos E.S., Clinci D., Constandoiu V.V., **Rada E.C. Chapter 5 Sustainable built environment in circular economy liveable cities**, In: [The Circular Economy and Liveable Cities](#), 67–78, 2025, Cambridge University Press, ISBN: 9781009249454, Edited by Robert C. Brears

## Attività di ricerca e scientifica

**Relatore di tesi**

>100 (prevalentemente in Uninsurbia e UniTrento)

**Membro cooptato del Comitato scientifico della Scuola di dottorato in Ingegneria Energetica, Università Politecnica di Bucarest, Romania 2012 – 2021**

**Membro della Scuola di Dottorato in Scienze Chimiche e Ambientali, Università degli Studi dell'Insubria, 2022- ad oggi**

**Membro del Gruppo di Lavoro Rifiuti e Risorse - RUS - Rete delle Università per lo Sviluppo Sostenibile, per l'Università degli Studi dell'Insubria, 2023- ad oggi**

**Membro del FAR – Fondo Ateneo Ricerca, MACRO-AREA FAR 2, Università degli Studi dell'Insubria, 2024-2026**

**Membro del Dottorato di Ricerca in Assicurazione della Qualità AiQA –PhD, Università degli Studi dell'Insubria, luglio 2024 - ad oggi**

**Membro della Commissione Syllabus – IASAL e ISLA, Università degli Studi dell'Insubria, 2023 - ad oggi**

- **ISLA**: laurea triennale in Ingegneria per la Sicurezza del Lavoro e dell'Ambiente
- **IASAL**: laurea magistrale in Ingegneria Ambientale per la Sostenibilità degli Ambienti di Lavoro

**Membro del gruppo di ricerca internazionale ERGYS - Environmental Research Group of Young Scientists - in cooperazione tra Italia, Lettonia e Grecia**  
(<https://sites.google.com/view/ergysgroup/home>) – 2023 – ad oggi

**Membro del gruppo "Regolamento sui veicoli a fine vita", 28 gennaio 2024 - ad oggi**

**Valutatore di progetti di ricerca**

- UEFISCDI:
  - PN II PT PCCA 2013
  - PN II RU TE 2014
  - PN II ID JRP RO FR 2015
  - PN III P4 ID PCE 2016
  - PN III P2 2.1 PTE 2021
  - PN III P2 2.1 PED 2021

## Attività di ricerca e scientifica

**. Valutatore di progetti di ricerca**

- Estonian Research Council (ETAg)
  - Mobilitas Plus 2016
  - Mobilitas Plus 2017
  
- KU Leuven 2021 & 2022
  - C24E/21/019
  - C24E/22/020
  
- AOSR – Romanian Academy of Scientists 2022
  - Competition of research projects “AOSR-TEAMS” 2022-2023: Domain : Circular Economy (12 projects)
  
- ETH Zurich 2022
  - Grants ASEAN 2022: Developing and testing a methodology for quantifying and assessing plastic waste in Indonesian cities
  
- QNRF- The Qatar National Research Fund 2022
  - UREP29-020-2-008: Hotspots of Contaminants of Emerging Concern in the Sewage System of Qatar: The Way Forward
- QNRF- The Qatar National Research Fund 2023
  - ARG01-0601-230448: Development of efficient spinel AB<sub>2</sub>O<sub>4</sub> and Perovskites ABO<sub>3</sub> catalysts for biomass gasification
  - ARG01-0503-230416: Recycled Green and Cheap Biochar-based Catalysts for Carbon Dioxide (CO<sub>2</sub>) Methanation
  
- Czech Fulbright Commission 2023-2024
  - Project title: Can landfills be evidence of a new epoch - the “Anthropocene”
  
- QNRF- The Qatar National Research Fund 2024
  - CCEC01-1030-230105 - Analysis of the implementation of a decentralized waste-to-compost facility to mitigate climate change impacts in Qatar
  - CCEC01-1011-230050 - Toward sustainable Qatari Environment: High Value- Added Products from Recycling and Upcycling of MSWI Ashes
  - CCEC01-1025-230093 - Converting Qatari sewage sludge into clean fertilizers and bio-adhesives
  - UREP31-150-2-050 - Comparative techno-economic evaluation of jet-range fuel production scenarios through a two-step process: ABE fermentation and catalytic conversion
  - ARG02-0502-240447 - Qatar's Waste to Energy Innovation: Conversion of High Ash Sludge into Syngas and Power Generation
  - UREP31-150-2-050 - Comparative techno-economic evaluation of jet-range fuel production scenarios through a two-step process: ABE fermentation and catalytic conversion
  
- Croatian Science Foundation HRZZ 2025
  - Project title: Mechanical properties of biodried MSW relevant for Waste-to-Energy production: experimental investigation and constitutive modelling

**Membership a società scientifiche**

- GBC - Green Building Council Italia, LEED section QI, 2008-2010.
- IWWG - International Waste Working Group 2010 – ad oggi
- GITISA - Gruppo Italiano di Ingegneria Sanitaria Ambientale (Urban Mining) 2012 - ad oggi
- AGIR - General Association of Romanian Engineers, 2014 - ad oggi
- ANDIS – Associazione Nazionale di Ingegneria Sanitaria, 2022 – ad oggi
- RUS – Rete delle Università per la Sviluppo Sostenibile, 2024 – ad oggi (Gruppo di Lavoro Risorse e Rifiuti)

## Attività di ricerca e scientifica

**Membro dell'editorial board di riviste scientifiche:**

- International Journal of Waste Resources (IJWR – Walsh Medical Media) – **Editor in Chief** - 17 December 2014 - present
- Sustainability (MDPI) **Section Associate Editor** – Environmental Sustainability and Applications 19 November 2014 – present
- *International Journal of Environmental Research and Public Health* (MDPI) - **Section Associate Editor** – Environmental Science and Engineering – 21 July 2018 - present
- *Frontiers in Sustainability – Waste Management* - **Associate Editor**, 18 January 2022 - present
- *Frontiers in Environmental Science – Environmental Systems Engineering* - **Associate Editor**, 8 February 2022 – present

**Membro dei comitati editoriali di riviste scientifiche:**

- *Advances in Energy* (AIE) **3 August 2013 – ad oggi**
- *International Journal of Energy Production and Management* – IJEPM (IIETA- Wessex) **4 Feb 2014- ad oggi**
- *International Journal of Safety and Security Engineering* (IIETA - Wessex) **15 March 2014 - ad oggi**
- *International Journal of Environment Impact* (IIETA - Wessex) **16 June 2016 - ad oggi**
- *News of the Ural State Mining University Journal* (IUGGU) **13 December 2018 - ad oggi**
- *Espaco Energia - Brazilian Open Journal of Energy* – **4 October 2018 - ad oggi**
- *Resources* (MDPI) **4 January 2018 - ad oggi**
- *J* (MDPI) **2 March 2018 - ad oggi**
- *Recycling* (MDPI) **8 April 2019 - ad oggi**

**Membro dei comitati editoriali di riviste scientifiche:**

- *Advances in Energy* (AIE) **3 August 2013 – ad oggi**
- *International Journal of Management and Sustainability* (Conscientia Beam) **3 September 2019 - ad oggi**
- *Romanian Journal of Ecology & Environmental Chemistry* (Ecoind) **2020 - ad oggi**
- *Highlights of Sustainability* (hos) **16 May 2021- ad oggi**
- *Standards* (MDPI) - **16 June 2021 – ad oggi**
- *Circular Economy* (Elsevier) - **2 August 2022 – ad oggi**
- *SN Applied Sciences* - **4 July 2023 – ad oggi**

**Membro in commissioni tecniche**

- **2016:** Member of a technical commission nominated by the **Autonomous Province of Trento** for the selection of three **Directors** to assign the positions of preposition to 3 structures of the homogeneous technical group, namely:
  - to the waste plant office.
  - to the waste cycle office and remediation of contaminated sites;
  - to the Technical Office (with safety expertise).

## Attività di ricerca e scientifica

**Membro in commissioni scientifiche**

- **2016:** Foreign member of the international commission appointed for the selection of the **Director** of the National Institute of Research and Development for Workplace Protection **INCDPM - Alexandru Darabont** - (Bucharest, Romania)
- **2023:** member of a PhD committee for final examination in the Ph.D. Program in Civil, Environmental, International Cooperation, and Mathematical Engineering  
Curriculum: Appropriate methodologies and techniques in international development cooperation (Technology track) - University of Brescia (17.5.23. Two defenders)
- **2024:** member of a PhD committee for final examination in the Ph.D. Program in Chemical and Environmental Sciences  
Curriculum: Improving approach to the sustainable management and environmental and economic assessment at the energy sector - University of Insubria (20.9.24. 1 defender)
- **2025:** member of a PhD committee for final examination in the Ph.D. Program in Civil, Environmental, International Cooperation, and Mathematical Engineering  
Curriculum: Strumenti e Metodologie per la Valutazione della Compatibilità Ambientale di materiali prodotti da Rifiuti Industriali per Utilizzi nel Settore delle Costruzioni & Impacts of extreme weather on the variability of critical parameters in drinking water supply systems: insights from operational experience- University of Brescia (29.4.25 Two defenders)
- **2025:** member of a PhD committee for final examination in the Ph.D. Program in Engineering and Management  
Curriculum: Cercetari privind ingineria si managementul proiectelor de dezvoltare urbana sustenabila - Research on the engineering and management of sustainable urban development projects (25.10.25. 1 defender)
- **2026:** member of a PhD committee for final examination in the Ph.D. Program in Chemical and Environmental Sciences  
Curriculum: Environmental Sustainability of High-performance Thermoplastic Materials- University of Insubria (12.1.26. 1 defender)

**Membro della commissione del “Sustainability Travel Award “**

- **2019:** Member of the evaluation committee of the Sustainability Journal
- **2021:** Member of the evaluation committee of the Sustainability Journal

**Member of “2019 Best Paper Award “**

- **2020:** Member of the evaluation committee of the Resources Journal

**Member (ministerial appointment) in commissions for the accreditation of:**

- **2022: INCDPM** - Institutul National de Cercetare-Dezvoltare pentru Protectia Mediului, București, Romania (National Institute of Research and Development for Environmental Protection)
- **2022: ICPMRR** - Institutului Național de Cercetare-Dezvoltare pentru Metale și Resurse Radioactive – București, Romania (National Institute of Research and Development for Metalli e Risorse Radioattive)

**Member of “Sustainability ESLA Award “**

- **2023:** Member of the evaluation committee of the Emerging Sustainability Leader Award

**WEBINARS**

- **ReviewCredits & INI Reserchers: 25 November 2020:** How peer-reviewing can advance your career: funding and communication know-how – invited speaker
- **SIDISA21: 27 April 2021:** Waste Thermal Treatment and Circular Economy – co-authoring
- **Wessex: 23 February 2022:** Energy and Sustainability in the Built Environment

## Attività di ricerca e scientifica

**Membro di comitati scientifici in conferenze internazionali**

- **WSEAS 2010** - Bucharest, Romania, 20-22 April 2010  
EUROPEAN COMPUTING CONFERENCE (ECC '10)  
ENERGY AND ENVIRONMENT TECHNOLOGIES AND EQUIPMENT (EEETE '10)  
RISK MANAGEMENT, ASSESSMENT AND MITIGATION (RIMA'10)
- **CIEM 2011**- 5<sup>th</sup> International Conference on Energy and Environment, 3 - 4 November 2011, Bucharest, Romania
- **SUM 2012** - International Symposium on Urban Mining, 21 - 23 May 2012, Bergamo, Italy
- **Waste Management 2012** - 6<sup>th</sup> International Conference on Waste Management and the Environment, 4 - 6 July 2012, New Forest, UK (Wessex)
- **INCER 2012** - Innovation and Collaboration in Engineering Research, 2 - 4 July 2012, Bucharest, Romania
- **MSE 2013** - 6<sup>th</sup> International Conference on Manufacturing Science and Education, 12 - 15 June 2013, Sibiu, Romania
- **ESUS 2013** - 4<sup>th</sup> International Conference on Energy and Sustainability, 19 - 21 June 2013, Bucharest, Romania (Wessex)
- **CIEM 2013**- 6<sup>th</sup> International Conference on Energy and Environment: Green and Smart Energy, 7 - 8 November 2013, Bucharest, Romania
- **TMREES14** - Technologies and Materials for Renewable Energy, Environment and Sustainability, 10 - 13 April 2014, Beirut, Lebanon
- **Waste Management 2014** - 7<sup>th</sup> International Conference on Waste Management and the Environment, 12 - 14 May 2014, Ancona, Italy (Wessex)
- **SUM 2014** - 2<sup>nd</sup> Symposium on Urban Mining, 19 - 21 May 2014, Bergamo, Italy (IWWG)
- **SIBESA XII 2014** - Simposio Italo-Basiliere de Engenharia Sanitaria e Ambiental, 2 - 4 June 2014, Nadal, Brasil
- **ELSEDIMA 2014** - International Conference Environmental Legislation, Safety Engineering and Disaster Management – 18 - 19 September 2014, Cluj-Napoca, Romania
- **Sustainable City 2014**, 9<sup>th</sup> International Conference on Urban Regeneration and Sustainability: 23 - 25 September 2014, Siena, Italy (Wessex)
- **ISB INMA TEH 2014** - International Symposium Agricultural and Mechanical Engineering: 30 - 31 October 2014, Bucharest, Romania
- **Venice 2014** - 5<sup>th</sup> International Symposium on Energy from Biomass and Waste, 17 - 20 November 2014, Venice, Italy (IWWG)
- **Energy and Sustainability 2014** – 5<sup>th</sup> International Conference on Energy and Sustainability, 16 – 18 December 2014, Putrajaya, Malaysia (Wessex)
- **SAFE15** - 6<sup>th</sup> International Conference on Safety and Security Engineering, 6 - 8 May 2015, Opatija, Croatia (Wessex)
- **TMREES15** - Technologies and Materials for Renewable Energy, Environment and Sustainability, 17 - 20 April 2015, Beirut, Lebanon
- **MSE15**- 7<sup>th</sup> International Conference on Manufacturing Science and Education -MSE15, 3 - 5 June 2015, Sibiu, Romania
- **ICIMIE15**- International Conference of Management and Industrial Engineering: Management in the Innovation Society - 22-23 October 2015, Bucharest, Romania
- **PVSolec15** - PV Solar Energy Conferences: 4 - 7 September 2015, Beirut, Lebanon
- **CIEM 2015** - 7<sup>th</sup> International Conference on Energy and Environment: Clean and Safe Power: 22 - 23 October 2015, Iasi, Romania
- **TMREES18**- International Conference, Technologies and Materials for Renewable Energy, Environment and Sustainability: 1-3 February 2018, Beirut, Lebanon
- **SUM2018** - 4<sup>th</sup> Symposium on Urban Mining and Circular Economy, 21-23 May 2018, Bergamo, Italy (IWWG)
- **ICETAS 2018** - 3<sup>rd</sup> International Conference on Engineering Technology and Applied Science :17-21 July 2018, Skopje Macedonia
- **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 (Wessex)
- **Waste Management 2018** - 9<sup>th</sup> International Conference on Waste Management and the Environment, 17-19 September 2018, Seville, Spain (Wessex)
- **TMREES18**- Greece International Conference, Technologies and Materials for Renewable Energy, Environment and Sustainability, 18 -20 September 2018, Athens, Greece
- **Venice 2018** - 7<sup>th</sup> International Symposium on Energy from Biomass and Waste :15-18 October 2018, Venice, Italy (IWWG)

## Attività di ricerca e scientifica

**Membro di comitati scientifici in conferenze internazionali**

- **SIMPRO18** - 8<sup>th</sup> International Multidisciplinary Symposium on "UNIVERSITARIA SIMRO2018", 11-13 October 2018, Petrosani, Romania
- **SIMPRO18** - 8<sup>th</sup> International Multidisciplinary Symposium on "UNIVERSITARIA SIMRO2018", 11-13 October 2018, Petrosani, Romania
- **ISB-INMA TEH 2018** - 8<sup>th</sup> International Symposium on Environmental Engineering, Renewable Energy Sources, Sustainable Agricultural Engineering 2018, 1-3 November 2018, Bucharest, Romania
- **Sustainable City 2019** - 13<sup>th</sup> International Conference on Urban Regeneration and Sustainability: 1-3 October 2019, Valencia, Spain (Wessex)
- **SESAM19** – 9<sup>th</sup> International Symposium on Occupational Health and Safety:, 3 October 2019, Petrosani, Romania
- **CIEM 2019**- 9<sup>th</sup> International Conference on Energy and Environment: Energy for a Green Digital World, 17 - 18 October 2019, Timisoara, Romania
- **SIM 2019** – 15<sup>th</sup> International Symposium in Management Innovation for Sustainable Management and Entrepreneurship, 25-26 October 2019, Timisoara, Romania
- **ICIMIE 2019** - 9<sup>th</sup> International Conference of Management and Industrial Engineering "Management Perspectives in the Digital Transformation", 14 – 16 November 2019, Bucharest, Romania
- **ISB-INMA TEH 2019** – 9<sup>th</sup> International Symposium on Environmental Engineering, Renewable Energy Sources, Sustainable Agricultural Engineering, 31 October-1 November 2019, Bucharest, Romania
- **Energy Production and Management 2020** - 4<sup>th</sup> International Conference on Energy Production and Management: The Quest for Sustainable Energy, 16 - 18 June 2020, (Wessex) **(on-line)**
- **Waste Management 2020**, 10<sup>th</sup> International Conference on Waste Management and the Environment, 7-9 July 2020, (Wessex) **(on-line)**
- **WSF 2020 - The 8<sup>th</sup> World Sustainability Forum** - 15 - 17 September 2020, Geneva, Switzerland (MDPI) **(virtual)**
- **Sustainable City 2020** – 8<sup>th</sup> International Conference on Urban Regeneration and Sustainability :22-24 September 2020, Roma, Italy (Wessex) **(on-line)**
- **SUM 2020** – 5<sup>th</sup> Symposium on Urban Mining and Circular Economy, 18-20 November 2020, (IWWG) **(virtual)**
- **Air Pollution 2021** - 29<sup>th</sup> International Conference on Modelling, Monitoring and Management of Air Pollution, 7–9 September 2021, Santiago de Compostela, Spain (Wessex)
- **Sustainable City 2021**, 15<sup>th</sup> International Conference on Urban Regeneration and Sustainability, 5-7 October 2021, Bilbao, Spain (Wessex)
- **Energy and Sustainability 2021**, 9<sup>th</sup> International conference on Energy and Sustainability, 6-8 October 2021, Bilbao, Spain (Wessex)
- **SIMPRO21** - 9<sup>th</sup> International Multidisciplinary Symposium on "UNIVERSITARIA SIMRO2019", 27-28 May 2021, Petrosani, Romania **(on-line)**
- **MSE 2021** - 10<sup>th</sup> International Conference on Manufacturing Science and Education, 2 - 4 June 2021, Sibiu, Romania **(on-line)**
- **CIEM 2021**- 10<sup>th</sup> International Conference on Energy and Environment: Power up our Future, 14 - 15 October 2021, Bucharest, Romania **(on-line)**
- **SIM 2021** - 6<sup>th</sup> International Symposium in Management: Management, Innovation and Entrepreneurship in Challenging Global Times, 22-23 October 2021, Timisoara, Romania, **(on-line)**
- **CIMIE 2021** - 10<sup>th</sup> International Conference of Management and Industrial Engineering "Business Change and Digital Transformation in a World Moving Through Crisis", 11 – 13 November 2021, Bucharest, Romania
- **SESAM21** – 9<sup>th</sup> International Symposium on Occupational Health and Safety: 18 October 2021, Petrosani, Romania
- **TMREES 2022** - International Conference on Technologies and Materials for Renewable Energy, Environment and Sustainability, 9-11 May 2022, Metz-Grand Est, France
- **Energy Production and Management 2022**- 5<sup>th</sup> International Conference on Energy Production and Management, 23-25 May 2022 **(on-line)**, (Wessex)
- **Sustainable City and Planning 2022** - 11<sup>th</sup> International Conference on Sustainable Development and Planning 8-10 June 2022 **(on-line)** (Wessex)

## Activităţi de cercetare e ştiinţifică

**Membro di comitati scientifici in conferenze internazionali**

- **Air and Water Pollution 2022** - 30<sup>th</sup> International Conference on Modelling, Monitoring and management of Air and Water Pollution 5-7 July 2022 (*on-line*) (Wessex)
- **ISB-INMA TEH 2022** – 9<sup>th</sup> International Symposium on Environmental Engineering, Renewable Energy Sources, Sustainable Agricultural Engineering, 6-8 October 2022, Bucharest, Romania
- **Sustainable City 2022** - 16<sup>th</sup> International Conference on Urban Regeneration and Sustainability, 10–12 October 2022, Rome, Italy (*on-line*) (Wessex)
- **RISK/SAFE 2022** - 13<sup>th</sup> Conference on Risk Analysis, Hazard Mitigation and Safety and Security Engineering, 12–14 October 2022, Rome, Italy (*on-line*) (Wessex)
- **SIMPRO22** - 10<sup>th</sup> International Multidisciplinary Symposium on "UNIVERSITARIA SIMRO2022" - Quality and Innovation in Education, Research, and Industry - The Success Triangle for a Sustainable Economic, Social and Environmental Development, 27-28 October 2022, Petrosani, Romania (*on-line*)
- **ICETAS 2022** - 6<sup>th</sup> International Conference on Engineering Technology and Applied Sciences Congress, 26-30 October 2022, Tirana, Albania.
- **TMREES 2023** – International Conference on Technologies and Materials for Renewable Energy, Environment and Sustainability - **Futuro Verde**, 8-10 March 2023, Metz Grand-East, France
- **TE-RE-RD 2023** – 11<sup>th</sup> International Conference on Thermal Equipment, Renewable Energy and Rural Development 08 – 10 June 2023, Romania
- **ISCMEE23** - International Conference on Sustainable, Circular Management and Environmental Engineering, 12 July, Izmir, Turkey
- **Energy and Sustainability 23** – 10<sup>th</sup> International Conference on energy and Sustainability, 2-4 October 2023, Lisbon, Portugal (Wessex)
- **ISB-INMA TEH 2023** – 9<sup>th</sup> International Symposium on Environmental Engineering, Renewable Energy Sources, Sustainable Agricultural Engineering, 5-6 October 2023, Bucharest, Romania
- **SESAM23** -11<sup>th</sup> International Conference on Occupational Health and Safety, 19 October 2023, Bucharest, Romania
- **SIM 2023** – 17<sup>th</sup> International Symposium in Management Reinventing Management in Turbulent Times, 20-21 October 2023, Timisoara, Romania
- **CIEM23** - 11<sup>th</sup> International Conference on Energy and Environment – Energy Security and Resilience, 26-27 October 2023, Bucharest, Romania
- **RETASTE23** – Rethink Food Resources, Losses and Waste Third International Conference, 27-29 September 2023, Athens, Greece
- **5<sup>th</sup> Symposium on Circular Economy and Sustainability**, 17-19 June 2024, Chania, Greece
- **TMREES24Fr** International Conference on Technologies and Materials for Renewable Energy, Environment and Sustainability, 8-10 July 2024, Metz, France
- **ATOMS2024** - 2024 IEEE Conference on Advanced Topics on Measurement and Simulation (ATOMS), 28-30 August 2024, Constanta, Romania
- **Sustainable Development and Planning 2024** - 13<sup>th</sup> International Conference Sustainable Development and Planning, 23–25 September 2024, Seville, Spain, (Wessex)
- **SIMPRO24** - 11 International Multidisciplinary Symposium on "UNIVERSITARIA SIMRO 2024" - Quality and Innovation in Education, Research, and Industry - The Success Triangle for a Sustainable Economic, Social and Environmental Development, 24-26 October 2024, Petrosani, Romania
- **ERGOWORK24** - 3<sup>rd</sup> International Conference of the Romanian Society on Ergonomics and Workplace Management, 31 October – 1 November 2024, Bucharest, Romania
- Environment & Sustainability, 11-13 February 2025, Casablanca, Morocco
- **6<sup>th</sup> Symposium on Circular Economy and Sustainability**, 16-18 June 2025, Alexandroupolis, Greece
- **TMREES25**- International Conference on Technologies and Materials for Renewable Energy, Environment and Sustainability, 23-25 October 2025, Morocco
- **6<sup>th</sup> Symposium on Circular Economy and Sustainability**, 16-18 June 2025, Alexandroupolis, Greece
- **ESUS 2025** -12<sup>th</sup> International Conference on Energy and Sustainability, 15-17 September 2025, Ancona, Italy (Wessex)
- **Tmrees25Ma**- International Conference on Technologies and Materials for Renewable Energy, Environment & Sustainability, 23-25 October 2025, Morocco
- **SESAM25** - 11<sup>th</sup> International Conference on Occupational Health and Safety, 23 October 2025, Brasov, Romania
- **CIEM25** - 12<sup>th</sup> International Conference on Energy and Environment – Energy Security and Resilience, 23-24 October 2025, Bucharest, Romania
- **SIM2025** -18<sup>th</sup> International Symposium in Management – “Optimizing the Future: Management Innovation for a Sustainable World”, 24-25 October 2025, Timisoara, Romania
- **EDUSAFE25** - The 1<sup>st</sup> Education for Sustainability and Awareness of Future E-Technologies (Edusafe) – 11 December 2025, Yogyakarta, Indonesia

## Attività di ricerca e scientifica

**Membro di comitati scientifici in conferenze internazionali**

- **CSRW26** - 2<sup>nd</sup> International Conference on Circularity, Sustainability and Resilience in Water, Wastewater and Sludge Management, 29 March – 1 Aprile, Thessaloniki, Greece
- **Makelearn26, TIIM & PIconf** – Management, Knowledge and Learning International Conference Technology, Innovation and Industrial management Sustainable Development, 21- 23 May, 2026, Ljubljana, Slovenia
- **Air Pollution 2026** – 31<sup>st</sup> International Conference Modelling, Monitoring and Management of Air Pollution, 8-10 June 2026, Bristol, UK (Wessex)
- **Environmental Impact 2026** - 6<sup>th</sup> International Conference on Environmental and Economic Impact on Sustainable Development, 9-11 June 2026, Bristol, UK (Wessex)
- **TMREES26**- International Conference on Technologies and Materials for Renewable Energy, Environment & Sustainability, 19-21 June 2026, Beirut, Lebanon
- **7<sup>th</sup> Symposium on Circular Economy and Sustainability**, 24-26 June 2026, Maastricht, Netherlands
- **25<sup>th</sup> International conference on Environmental Indicators**, 26-29 July 2026, Beijing, China
- **WSF26** - 12<sup>th</sup> World Sustainability Forum, 21-24 August 2026, Hong Kong, China
- **Dioxin 2026** – 46<sup>th</sup> International Symposium on POPs and Related Pollutants, 13-18 September 2026, Riva del Garda, Italy
  
- **Coordinatrice** di varie attività del partner straniero nel **TRIPOD** project – **Restructure of productive practice of students in higher technical education**: 2010 -2013.
- **Co-responsabile** del WP1 in **ProPla – Protein form Plastic** project: 2023 -2026.
- **Project Manager** in **EDU4PlastiCircular Erasmus+** project: **Education for Plastic in a Circular and Climate Neutral Neutral Economy - Preventing Waste Ending Up into the Environment**: 2023 -2026

**Reviewer per riviste scientifiche internazionali:**

- Aims Energy Journal
- Atmospheric Environment
- Biodegradation
- Bioresource Technology
- Brazilian Journal of Chemical Engineering
- British Journal of Applied Science & Technology (BJAST)
- Chemosphere
- Circular Economy - An official Journal of Tsinghua University Press
- Current Opinion in Environmental Sustainability
- Drying Technology
- Detritus
- Energy Conversion and Management
- Environment, Development and Sustainability
- Environmental Engineering Research
- Environmental Science and Pollution Research
- Engineering Optimization
- Environmental Technology
- Environmental Quality Management
- Energies (MDPI)
- Fuel
- Fuel Processing Technology
- Journal of Hazardous Materials
- Ingegneria dell'Ambiente (IDA)
- International Journal of Environment and Resource (IJER)
- International Journal of Environmental Analytical Chemistry
- International Journal of Environmental Science and Toxicology (IJEST)
- International Journal of Environment and Waste Management (IJEWM)
- International Journal of Environmental Bioremediation & Biodegradation (IJEBS)
- International Journal of Environment Impact: Management Mitigation and Recovery
- International Journal of Environmental Research and Public Health (IJERPH - MDPI)
-

## Attività di ricerca e scientifica

**Reviewer per riviste scientifiche internazionali:**

- Journal of Energy Institute
- Journal of Scientific Research and Reports
- Journal of Cleaner Production
- Journal of Sustainable Development (JSD)
- Journal of the Air & Waste Management Association (A&WMA)
- Journal of Computational Methods & Experimental Measurements (Wessex)
- Management of Environmental Quality Journal (MEQ)
- Process Safety and Environmental Protection Journal
- Revista Ingenieria y Desarrollo
- Recycling (MDPI)
- Resources (MDPI)
- Resources, Conservation and Recycling
- Scientific Bulletin, UPB
- Science of the Total Environment
- Systems (MDPI)
- South African Journal of Chemical Engineering
- Sustainable Energy Technologies and Assessments
- Sustainability (MDPI)
- The Journal of Poultry Science
- Waste Management
- Water Research

**Reviewer per proposte di libri Elsevier:**

- *September 2019: Principles of the Circular Economy, to be edited by Wiesmeth*
- *September 2021: Landfill Management, to be edited by Dr. Tonni Agustiono Kurniawan*
- *April 2022: Improving and Tailoring Enzymes for Food Quality and Functionality, to be edited by prof. Rickey Yada and Derek R.D.*
- *June 2022: Occurrence, Monitoring, and Behavior of Emerging Contaminants in Solid Waste Management to be edited by Prof. Kui Huang, Dr. Hui Xia, and Dr. Sartaj Ahmad Bhat*
- *July 2023: Transformation of Waste to Energy: Recent Trends and Prospects, to be edited by Dr. Balasubramani Ravindran, Dr. Sartaj Ahmad Bhat, and Prof. Gareth Griffiths*

**MDPI TOPIC Editor-in-Chief: Solid Waste Management**

- *Journals: Sustainability, Energies, Resources, Recycling, Environments (closed 31 December 2022)*

**Editor – Special Issue (ELSEVIER)**

- **Waste Management**– editor of Special Issue “*Refuse Derived Fuel/Solid Recovered Fuel*”, vol. 47, Part B, pages 155-310 (Jan 2016)

**Editor – Special Issue (MDPI)****▪ Sustainability:**

- *“Covid-19 and Its Impact on Environmental, Economic and Social Sustainability” - (20 July 2020 – 31 March 2023)*
- *“Exclusive Papers of the Editorial Board Members of section Environmental Sustainability and Applications” (21 January 2021 – 31 Dec 2022)*
- *“Exclusive Papers of Outstanding Scientists in section Environmental Sustainability and Applications” (21 January 2021 – 31 Dec 2022)*
- *Opportunities and Challenges in Managing Circular Economy and Sustainable Development Goals for a Better and Cleaner Future (7 March 2025 – 31 March 2026)*

## Attività di ricerca e scientifica

**Editor – Special Issue (MDPI)****International Journal of Environmental Research and Public Health:**

- **“Future and Feature Paper in Environment and Applied Ecology”**, (12 May 2020 – 31 Dec 2022)
- **“Review in Environment and Applied Ecology”** (6 May 2020 – 31 Dec 2021)
- **“Advances in the Field of Human Health and Environment”** (20 July 2018 - 20 June 2020)
- **Environment and Applied Ecology Economy** (7 September 2020- 29 March 2023)

**Resources:**

- **“Renewables Application: Challenges and Perspectives”**, (2 Jan 2020 – 31 July 2021)
- **“Editorial Board Members' Collection Series - Energy Resources: Past, Present and Future Role in a Circular Economy”** (9 oct 2022 – 31 July 2024)

**Applied Science:**

- **“New Insights into Microplastics in the Environment”**, 20 November 2024 – 20 Feb 2026
- **“Microplastics in the Environment: Extent of the Problem and Technical Solution to adress”** (8 May 2024 – 30 Nov 2026)

**Sustainable Chemistry:**

- **“Circularity, Sustainability, Resilience, and Analysis in Water, Wastewater, and Sludge Management**, May 2025 – 31 October 2026

**Recycling:**

- **“From waste to energy – Challenges and Oportunities”** (9 March 2021 – 15 July 2022)

**Editor – Collection (MDPI)****Sustainability:**

- **“Risk Assessment and Management”** in progress (since Dec 2016)
- **“Trends in Municipal Solid Waste Management”** in progress (since 27 June 2017)
- **Feature Papers in Sustainable Use of Environment and Resources”** in progress (since 20 April 2020)
- **Circular Economy and Sustainable Strategies”** in progress (since March 2019)

**Resources Journal**

- **“Management, Environment, Energy and Sustainability under a Circular Economy”** in progress (dal 26 Febbraio 2018)

## Premi internazionali

- **Best Poster Award:** 14<sup>th</sup> International Waste Management and Landfill Symposium - Sardinia Symposia", 30 September – 4 October 2013, Santa Margherita di Pula, Italy
- **"Award for excellence for outstanding achievements and contribution to the prestige of the profession"**, received from the Lucian Blaga Cultural Center of Sebes, Romania, June 2014
- **Award of excellence for outstanding performance"** in the International Scientific Committee of the TMREES15 - International Conference Technologies and Materials for Renewable Energy, Environment and Sustainability, 17-20 April 2015, Beirut, Lebanon.
- **Eminent Scientist Medal of the Wessex Institute of Technology"**, September 2016
- **Honorary Award** for the outstanding scientific contribution to SIMPRO2016 – 7th Edition – Sustainable Development through Quality and innovation in engineering and research, 14-15 October 2016, Petrosani University, Romania
- Classificata nella lista **World's top 2% scientists** della Stanford University (2020 ad oggi)
- **Certificate of excellence for Session Chair"** – received from **European Academy for Sustainable Development** at TMREES22-Fr - International Conference Technologies and Materials for Renewable Energy, Environment and Sustainability, 9-11 May 2022, Metz, France,
- **Best Paper Award**, received from **European Academy for Sustainable Development** at TMREES23- International Conference Technologies and Materials for Renewable Energy, Environment and Sustainability, EURACA – Futuro Verde – Edicienti, 8-10 March 2023, Metz, France
- **Best Chair for Session Award**, received from **European Academy for Sustainable Development** at TMREES24- International Conference Technologies and Materials for Renewable Energy, Environment and Sustainability, EURACA 8-10 July 2024, France
- **Certificate of excellence for Conference Chair** received from **European Academy for Sustainable Development** at TMREES25Ma- International Conference Technologies and Materials for Renewable Energy, Environment and Sustainability, EURACA 10-12 February 2025, Morocco
- **Best Paper Award**, received from **European Academy for Sustainable Development** at TMREES24- International Conference Technologies and Materials for Renewable Energy, Environment and Sustainability, EURACA 8-10 July 2024, France
- **Letter of thanks from the Ambassador of Latvia to Italy, Elita Gavele, received for the international relationships performed during BIP-ESkid+ (July 2025)**
- **Letter of thanks from the Ambassador of Romania to Italy, Gabriela Dancau, for the relationships taken in preparation of BIP-ESkid+ (July 2025)**
- **Best Paper Award** received from 7<sup>th</sup> Euro - Mediterranean Conference for Environmental Integration, EMCEI-2025, 23-26 June 2025, Reggio Calabria, Italy

## Abilità organizzative e gestionali

- **Leadership:** coordinatrice di alcuni progetti nel gruppo di lavoro di Ingegneria Ambientale dell'Università di Trento e dell'Università dell'Insubria
- **Fund-raising:** competenze acquisite dal 2005 ad oggi, in particolare presso le Università di Trento e dell'Insubria
- **Coordinatrice** di varie attività come partner straniero nel progetto **TRIPOD** – Restructure of productive practice of students in higher technical education 2010 -2013
- **Coordinatrice** dei 6 gruppi di ricerca del Progetto scientifico - Borgo Acciaieria Valsugana: 2010 - 2013.
- **Co-Responsabile** nell'ambito del progetto ProPla: proteins from plastics: WP1, Task 1.1, Marzo 2023 – Febbraio 2026.
- **Project Manager per DiSTA, Insubria**, project **Edu4PlastiCircular:** Education for Plastic in a Circular and Climate Neutral Economy - Preventing Waste Ending Up into the Environment: Novembre 2023 – Ottobre 2026.

## Altre abilità lavorative

Capacità di lavorare in team acquisita in ambito professionale (contract research organization).  
Capacità di adattarsi ad ambienti multiculturali acquisita grazie alle collaborazioni con le seguenti università:

- Polytechnic University of Milan (DIAR), Italy
- University Bocconi of Milano, Italy
- University of Bologna, Italy
- University of Padova, Italy
- University of Trento, Italy
- National Science and Technology Polytechnic University of Bucharest, Romania  
"Department of Energy, Production and Use & Department of Biotechnical Systems"
- University "Lucian Blaga" of Sibiu – ULBS, Romania  
"Department of Industrial Engineering and Management & Department of Food Industry and Environmental Protection"
- University "Valahia" of Targoviste, Romania
- Universită Politehnica di Timisoara – UPT, Romania
- University Transilvania of Brasov, Romania
- Ural Federal University of Ekaterinburg, Russia
- University Pontificia of Santiago del Cile, Cile
- Aristotele University of Thessaloniki, Greece
- Samarkand State University, Uzbekistan
- Samarkand State Architecture and Construction University, Uzbekistan
- Universidade Federal de Bahia – Salvador (Brasil)
- Universitat Politecnica de Valencia, UPV, Spain
- Faculty of Environmental Protection, Velenje, Slovenia

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## Patente di guida

Categoria : B