

# CURRICULUM VITAE



## PERSONAL INFORMATION

Name **D'Adamo Idiano**  
Home address  
Mobile Phone  
E-mail **idianodadamo@hotmail.it**  
Nationality **Italiana**  
Date of birth **09/07/1983**

## WORK EXPERIENCE

Date (da-a) **March 2020 – in progress**  
Name of employer **Sapienza University of Rome**, Department of Computer, Control and Management Engineering  
Type of business or sector **Public Body**  
Occupation or position held **Associate Professor**  
Main activities and responsibilities **Teaching, Research, Projects**

Date (da-a) **April 2019 – January 2020**  
Name of employer **Unitelma Sapienza – University of Rome**  
Type of business or sector **Public Body**  
Occupation or position held **Post-Doctoral Research Fellow**  
Main activities and responsibilities **Research project Horizon 2020 “StarProBio”**

Date (da-a) **November 2018 – March 2019**  
Name of employer **University of L'Aquila**, Department of Industrial Engineering and Information and Economics  
Type of business or sector **Public Body**  
Occupation or position held **Consultant**  
Main activities and responsibilities **Natural gas and biomethane, excellence for sustainability and new opportunities for transport**

Date (da-a) **November 2016 – October 2017**  
Name of employer **University of L'Aquila**, Department of Industrial Engineering and Information and Economics  
Type of business or sector **Public Body**  
Occupation or position held **Post-Doctoral Research Fellow**  
Main activities and responsibilities **Renewable energy and environment: from coinciding interests to conflicting interests**

Dates (from- to) **September 2014 – October 2014**  
Name of employer **University of L'Aquila**, Department of Industrial Engineering and Information and Economics  
Type of business or sector **Public Body**  
Occupation or position held **Consultant**  
Main activities and responsibilities **Scenario analysis: logistic and management aspects and industrial impacts for a port area**

Dates (from- to) **June 2014 – September 2014**  
Name of employer **Politecnico di Milano**, Department of Management Economics and Industrial Engineering - Energy & Strategy Group, Milano, Italy  
Type of business or sector **Public Body**  
Occupation or position held **Post-Doctoral Research Fellow**  
Main activities and responsibilities **Evaluation of energy efficiency in Public sector**

Dates (from- to) **December 2013 – February 2014**  
Name of employer **RSE – Ricerca Sistema Energetico**, Milano  
Type of business or sector **Public Body**  
Occupation or position held **Consultant**  
Main activities and responsibilities **Economic analysis of the recovery process of strategic materials**

Dates (from- to)	October 2013-June 2014
Name of employer	<b>Italian National Research Council</b> , Institute of industrial technologies and automation, Milano, Italy
Type of business or sector	Public Body
Occupation or position held	Post-Doctoral Research Fellow
Main activities and responsibilities	<b>Research project on End of Life strategies (remanufacturing and recycling of printed circuit boards); participation to European research projects</b>
Dates (from- to)	January 2013-February 2013
Name of employer	<b>Althesys Srl</b> , Milano, Italy
Type of business or sector	Strategy advice
Occupation or position held	Consultant
Main activities and responsibilities	<b>Research project on Biomethane</b>
Dates (from- to)	November 2008-March 2012
Name of employer	<b>University of L'Aquila</b> , Department of Electric Engineering and Information, Italy
Type of business or sector	Public Body
Occupation or position held	PhD
Main activities and responsibilities	<b>Research project on Renewable Energy (Sustainability of photovoltaic, Portfolio of renewable energy, Sustainability of waste to energy plant) and Assistant professor</b>
Dates (from- to)	May 2010-July 2010
Name of employer	<b>University of Sheffield</b> , Logistics and Supply Chain Management (LSCM) Research Centre United Kingdom
Type of business or sector	Public Body
Occupation or position held	PhD
Main activities and responsibilities	<b>Research project on Renewable Energy</b>
Dates (from- to)	March 2010 - April 2010
Name of employer	<b>Abalog S.r.l.</b> , Montesilvano, Italy
Type of business or sector	Business advice
Occupation or position held	Consultant
Main activities and responsibilities	<b>Study of the size of a distribution center</b>
Dates (from- to)	September 2007 – October 2007
Name of employer	<b>Province of Chieti</b> , Chieti, Italy
Type of business or sector	Public Body
Occupation or position held	Stage of second level thesis
Main activities and responsibilities	<b>Highway project management</b>
Dates (from- to)	November 2005 – January 2006
Name of employer	<b>Oleificio Andreini S.r.l.</b> , Vasto, Italy
Type of business or sector	Olive (oil)
Occupation or position held	Management plan for the activity
Main activities and responsibilities	<b>Human, technical and financial resources management; Relationship with customers and suppliers</b>
Dates (from- to)	September 2005 – October 2005
Name of employer	<b>Puccioni S.p.A.</b> , Vasto, Italy
Type of business or sector	Fertilizers
Occupation or position held	Stage of first level thesis
Main activities and responsibilities	<b>Maintenance function</b>

## SCHOOL EDUCATION, DEGREE

Period	2008-2011
Name and type of organization	University of L'Aquila, Department of Electrical and Information Engineering
Thesis title	Photovoltaic systems and plants with energy recovery: assessments and proposals for sustainable development
Title of qualification awarded	<b>PhD in Electrical and Information Engineering - ING-IND35</b>
Period	2005–07
Name and type of organization	Faculty of Engineering, address Management – degree of 2°level, University of L'Aquila
Thesis title	Strategic Analysis of road Infrastructure: assessment of a project with the method of real options
Title of qualification awarded	<b>Degree of second level</b> with final marks of 110/110 cum laude
Period	2002 – 05
Name and type of organization	Faculty of Engineering, address Management – degree of 1°level, University of L'Aquila
Thesis title	The reorganization of the maintenance functions in a producer of fertilizers: case Puccioni S.p.A.
Title of qualification awarded	<b>Degree of first level</b> with final marks of 103/110
Period	1997 – 2002
Name and type of organization	Liceo Scientifico R.Mattioli, Vasto (CH)
Title of qualification awarded	Baccalaureate scientific with final marks of 95/100

## PERSONAL SKILLS AND COMPETENCE

Language Knowledge	Italian (mother tongue) English (level B1 obtained at Brunel University in London Uxbridge; grade 6 obtained with Trinity International Examination Board)
Reading skills	Enough
Writing skills	Enough
Verbal skills	Enough
Relational skills	Collaboration as journalist with agency Vespina Football, swimming
Organizational skills	Volunteer activities in old people's home
Informatic Knowledge	Internet, Microsoft Office Software: Arena, Crystal Ball, Gabi 4, Simatic, Pvsyst4, RiskOptimizer
Registration Engineer's order	Registration with the Order of Engineers of the Province of Chieti - Section A – Industrial Sector - 10.11.2008 – n.1870 Italian state exam to obtain the professional qualification to practice as an engineer in University of L'Aquila
Driving license	Type B

## SCIENTIFIC PRODUCTION

<b>Research areas</b>	Sector 09-B3 Engineering Economics and Management Sustainability, Renewable Energy Management, Waste Management, Circular economy
<b>Threshold values</b>	Documents: 73 Total citations: 1997 h-index: 26

**Awards**

The work "Recycling of WEEEs: an economic assessment of present and future e-waste streams" is classified by Web of Science as "Highly Cited Paper", 2019.

Excellence in Review Awards – Top Reviewer nominated by the journal Waste Management, 2017

"Biomethane: A resource to make sustainable transport sector" has been chosen as cover story of vol.6 n.4 December 2017

The work "Recycling of WEEEs: an economic assessment of present and future e-waste streams" is classified by Web of Science as "Hot Paper", September-October 2017.

The work "Recycling of WEEEs: an economic assessment of present and future e-waste streams" is classified by Web of Science as "Highly Cited Paper", September-October 2017.

Key-scientific article proposed by Renewable Energy Global Innovations for the work "Photovoltaic Energy Systems with Battery Storage for Residential Areas: An Economic Analysis", March 2017

Key-scientific article proposed by Science Environment Policy-European Commission for the work "Economic incentives for bringing e-waste into the circular economy", 12 November 2015, Issue 435.

Winner of Elsevier Atlas Award with the paper "Recycling of WEEEs: an economic assessment of present and future e-waste streams", August 2015

Highly Commended Award for the paper "A photovoltaic system in a residential building: environmental and economic optimization analysis". 8<sup>th</sup> International Conference on Supply Chain Management and Information Systems, 6-8 Ottobre 2010, Hong Kong, Cina.

Winner of National award Thesis Public Administration organized by Consortium Nuova PA with the thesis: "Strategic Analysis of road Infrastructure: assessment of a project with the method of real options", 2009

**European project**

"D6.5: Actions to promote social acceptance" – Progetto di ricerca Horizon 2020 "Star ProBio" Grant Agreement Number 727740, Unitelma-Sapienza, 2019

"D6.4: Report on end-of-life social and socio-economic assessment" – Research project Horizon 2020 "Star ProBio" Grant Agreement Number 727740, Unitelma-Sapienza, 2019

"D5.2: Results of the experiment / Case study" – Research project Horizon 2020 "Star ProBio" Grant Agreement Number 727740, Unitelma-Sapienza, 2019

"Explore project D1.1: Report on the innovation domains to be dealt in the EXPLORE project", CNR-ITIA, 2013

**National project**

"WEEE ReFlex: WP1. Definition of the recycling strategy under uncertainty", CNR-ITIA, 2014

"FIDEAS - Task 1.1. Market analysis and decision support system for End of Life strategies", CNR-ITIA, 2014

**National observatory**

Energy & Strategy Group "Smart grid report – Le prospettive di sviluppo delle Energy community in Italia", 2014.

A.Marangoni, I.D'Adamo, P.Mattirolo "Il biometano. Potenzialità, economics e prospettive di sviluppo", 2013

**Editor**

Editorial board member for the section "Social Economics" of Social Sciences (ISSN 2076-0760) – (SCOPUS), April 2018-October 2019

Editorial board member of Sustainability (ISSN 2071-1050) – (SCOPUS-WOS), October 2019-current

Editorial board member of Energies (ISSN 1996-1073) – (SCOPUS-WOS), July 2020-current

Associate Editor Frontiers in Sustainability (ISSN 2673-4524), July 2020-current

Editorial board member of International Journal of Energy Economics and Policy (ISSN 2146-4553), September 2020-current

Guest Editor of Special Issue "Adopting Circular Economy Current Practices and Future Perspectives" published on Social Sciences (ISSN 2076-0760) – (SCOPUS), May 2018 – June 2019

Guest Editor of Special Issue "A Sustainable Revolution: Let's Go Sustainable to Get our Globe Cleaner" published on Sustainability (ISSN 2071-1050) – (SCOPUS-WOS), February 2019 – March 2020

Guest Editor of Special Issue "Assessment of Socio-Economic Sustainability and Resilience after COVID-19" published on Sustainability (ISSN 2071-1050) – (SCOPUS-WOS), June 2020 – June 2021

Guest Editor of Special Issue "What is a waste? A potential resource to favor a sustainable transition. Evidence from the practice" published on Frontiers in Sustainability (ISSN 2673-4524), July 2020-October 2021

Guest Editor of Special Issue "Flexibility Approaches for Addressing Sustainable Development Goals" pubblicato su Global Journal of Flexible Systems Management (ISSN 0972-2696), September 2020-June 2021

#### **International books**

D.Chiaroni, M. Chiesa, V. Chiesa, F. Cucchiella, I. D'Adamo, F. Frattini "An Analysis of Supply Chains in Renewable Energy Industries: A Survey in Italy" In Sustainable Future Energy Technology and Supply Chains, pag. 47-71: Springer, 2015 (SCOPUS)

#### **International journals**

I.D'Adamo, P.M.Falcone, D.Huisingh, P.Morone "A circular economy model based on biomethane: What are the opportunities for the municipality of Rome and beyond?" Renewable Energy; vol.163 pag.1660-1672, 2021 (SCOPUS – WOS)

I.D'Adamo, P.M.Falcone, E.Imbert, P.Morone "Exploring regional transitions to the bioeconomy using a socio-economic indicator: the case of Italy" Economia Politica; 2020 (SCOPUS – WOS)

I.D'Adamo, M.Gastaldi, P.Morone "Dataset for Assessing the Economic Performance of a Residential PV Plant: The Analysis of a New Policy Proposal " Data; vol.5 n.4 pag.101, 2020 (SCOPUS – WOS)

I.D'Adamo, F. de Monte, F. Ferella, M.Gastaldi "The economic viability of photovoltaic systems in public buildings: Evidence from Italy" Journal of Cleaner Production; vol.278 pag.123561, 2021 (SCOPUS – WOS)

I.D'Adamo, M.Gastaldi, P.Morone "The post COVID-19 green recovery in practice: Assessing the profitability of a policy proposal on residential photovoltaic plants" Energy Policy; vol.147 pag.111910, 2020 (SCOPUS – WOS)

I.D'Adamo, P.M.Falcone, E.Imbert, P.Morone "Survey data for assessing the socio-economic performance of End of Life options of a bio-based product based on expert knowledge" Data in Brief; vol.32 pag.106199, 2020 (SCOPUS)

I.D'Adamo, P.M.Falcone, E.Imbert, P.Morone "A Socio-economic Indicator for EoL Strategies for Bio-based Products" Ecological Economics; vol.178 pag.106794, 2020 (SCOPUS - WOS)

I.D'Adamo, P.M.Falcone, M.Gastaldi, P.Morone "The economic viability of photovoltaic systems

- in public buildings: Evidence from Italy" *Energy*; vol.207 pag.118316, 2020 (SCOPUS – WOS)
- I.D'Adamo, P.Rosa "How Do You See Infrastructure? Green Energy to Provide Economic Growth after COVID-19" *Sustainability*; vol.12 n.11 pag.4738; 2020 (SCOPUS-WOS)
- I.D'Adamo, P.M.Falcone, P.Morone "A New Socio-economic Indicator to Measure the Performance of Bioeconomy Sectors in Europe" *Ecological Economics*; vol.176 pag.106724, 2020 (SCOPUS - WOS)
- I.D'Adamo, P.M.Falcone, M.Martin, P.Rosa "A Sustainable Revolution: Let's Go Sustainable to Get Our Globe Cleaner" *Sustainability*; vol.12 n.11 pag.4387; 2020 (SCOPUS-WOS)
- F.Cucchiella, I.D'Adamo, M.Gastaldi, S.C.Lenny Koh, E.D.R. Santibanez Gonzalez, "Assessment of GHG emissions in Europe: future estimates and policy implications" *Environmental Engineering and Management Journal*; vol. 19 n.1 pag.131-142; 2020 (SCOPUS-WOS)
- I.D'Adamo, P.M.Falcone, M.Gastaldi, P.Morone "RES-T trajectories and an integrated SWOT-AHP analysis for biomethane. Policy implications to support a green revolution in European transport" *Energy Policy*; vol. 138 pag.111220; 2020 (SCOPUS - WOS)
- I.D'Adamo, M.Gastaldi, P.Rosa "Recycling of end-of-life vehicles: Assessing trends and performances in Europe" *Technological Forecasting and Social Change*; vol. 152 pag.119887, 2020 (SCOPUS - WOS)
- I.D'Adamo "Adopting a Circular Economy: Current Practices and Future Perspectives" *Social sciences*; vol. 8 n.12 pag.328, 2019 (SCOPUS)
- I.D'Adamo, P.Rosa "A Structured Literature Review on Obsolete Electric Vehicles Management Practices" *Sustainability*; vol. 11 n.23 pag.6876, 2019 (SCOPUS - WOS)
- I.D'Adamo, P.M.Falcone, M.Gastaldi, P.Morone "A Social Analysis of the Olive Oil Sector: The Role of Family Business" *Resources*; vol.8 n.3 pag.151, 2019 (SCOPUS-WOS)
- I.D'Adamo, F.Ferella, M.Gastaldi, F.Maggiore, P.Rosa, S.Terzi "Towards Sustainable Recycling Processes: Wasted Printed Circuit Boards as a Source of Economic Opportunities" *Resources, Conservation & Recycling*; vol. 149 pag. 455-467, 2019 (SCOPUS-WOS)
- I.D'Adamo, P.M.Falcone, M.Gastaldi "Price analysis of extra virgin olive oil" *British Food Journal*; i vol.121 n.8 pag.1899-1911, 2019 (SCOPUS-WOS)
- I.D'Adamo, P.M.Falcone, F.Ferella "A socio-economic analysis of biomethane in the transport sector: The case of Italy" *Waste Management*; vol. 95 pag.102-115, 2019 (SCOPUS-WOS)
- F.Cucchiella, I.D'Adamo, M.Gastaldi "Sustainable Italian Cities: The Added Value of Biomethane from Organic Waste" *Applied Sciences*; vol. 9 n. 11 pag.2221, 2019 (SCOPUS - WOS)
- I.D'Adamo, F.Ferella, P.Rosa "Wasted LCDs as a source of value for e-waste treatment centres: A techno-economic analysis" *Current Opinion in Green and Sustainable Chemistry*; vol. 19 pag. 37-44, 2019 (SCOPUS)
- F.Cucchiella, I.D'Adamo, M.Gastaldi "An economic analysis of biogas-biomethane chain from animal residues in Italy" *Journal of Cleaner Production*; vol. 230 pag.888-897, 2019 (SCOPUS - WOS)
- F. Ferella, F.Cucchiella, I.D'Adamo, K. Gallucci "A techno-economic assessment of biogas upgrading in a developed market" *Journal of Cleaner Production*, vol. 210 pag.945-57, 2019 (SCOPUS)

- I.D'Adamo "The profitability of residential photovoltaic systems. A new scheme of subsidies based on the price of CO<sub>2</sub> in a developed PV market" *Social Sciences*; vol. 7 n.9 pag.148, 2018 (SCOPUS)
- F.Cucchiella, I.D'Adamo, M.Gastaldi, V.Stornelli "Solar Photovoltaic Panels Combined with Energy Storage in a Residential Building: An Economic Analysis" *Sustainability*; vol. 10 n.9 pag.3117, 2018 (SCOPUS - WOS)
- F.Cucchiella, I.D'Adamo, M.Gastaldi, M.Miliacca "A profitability analysis of small-scale plants for biomethane injection into the gas grid" *Journal of Cleaner Production*; vol. 184 pag.179-187, 2018 (SCOPUS - WOS)
- F.Cucchiella, I.D'Adamo, M.Gastaldi, M.Miliacca "Efficiency and allocation of emission allowances and energy consumption over more sustainable European economies" *Journal of Cleaner Production*; vol. 182 pag.805-817, 2018 (SCOPUS - WOS)
- F.Cucchiella, I.D'Adamo, M.Gastaldi "Future Trajectories of Renewable Energy Consumption in the European Union" *Resources*; vol.7 n.10 pag.58, 2018 (SCOPUS - WOS)
- K.Awasthi, F.Cucchiella, I.D'Adamo, J.Li, P.Rosa, S.Terzi, G.Wei, X.Zeng "Modelling the correlations of e-waste quantity with economic increase" *Science of the Total Environment*; vol.613-614 pag. 46-53, 2018 (SCOPUS - WOS)
- U.Arena, M.Barlaz, P.He, I.D'Adamo, S.Astals, J.E.Bogner, S.C.Bolyard, J.M.C.L. de Brito Paolo, S.Calabrò, P.Canu, C.Chroni, B.Clarke, H.Corvellec, G.Costa, M.R.Gent, A.G.Izquierdo, J.A.Koziel, N.Lapa, B.Leckner, L.Lombardi, M.Materazzi, H.Oonk, K.Pivnenko, K.R.Reddy, H. van der Sloot, J.-O. Sundqvist, F.Tatàno, T.Townsend, D.Turner, J.Vehlow, T. Wang, Y. Wang, J. White, Y. Zeng, C.Zurbrügg "Thank you: A journal is as good as its reviewers" *Waste Management*; vol. 77 pag.iii-vi, 2018 (SCOPUS-WOS)
- F.Cucchiella, I.D'Adamo, M.Gastaldi "Biomethane: A Renewable Resource as Vehicle Fuel" *Resources*; vol.6 n.4 pag.58, 2017 (SCOPUS - WOS)
- F.Cucchiella, I.D'Adamo, M.Gastaldi "The Economic Feasibility of Residential Energy Storage Combined with PV Panels: The Role of Subsidies in Italy" *Energies*; vol.10 n.9 pag.1434, 2017 (SCOPUS - WOS)
- F.Cucchiella, I.D'Adamo, M.Gastaldi, S.C. Lenny Koh, P.Rosa "A comparison of environmental and energetic performance of European countries: A sustainability index" *Renewable and Sustainable Energy Reviews*; vol.78 pag.401-413, 2017 (SCOPUS - WOS)
- F.Cucchiella, I.D'Adamo, M.Gastaldi "Economic Analysis of a Photovoltaic System: A Resource for Residential Households" *Energies*; vol.10 n.6 pag.814, 2017 (SCOPUS - WOS)
- I.D'Adamo, M.Miliacca, P.Rosa "Economic Feasibility for Recycling of Waste Crystalline Silicon Photovoltaic Modules" *International Journal of Photoenergy*; Article ID 4184676, pag. 1-6, 2017 (SCOPUS - WOS)
- F.Cucchiella, I.D'Adamo, M.Gastaldi "Sustainable waste management: Waste to energy plant as an alternative to landfill" *Energy Conversion and Management*; vol.131 pag. 18-31, 2017 (SCOPUS - WOS)
- F.Cucchiella, I.D'Adamo, M.Gastaldi "A profitability assessment of small-scale photovoltaic systems in an electricity market without subsidies" *Energy Conversion and Management*; vol.129 pag.62-74, 2016 (SCOPUS - WOS)
- F.Cucchiella, I.D'Adamo, S.C. Lenny Koh, P.Rosa "A profitability assessment of European recycling processes treating printed circuit boards from waste electrical and electronic equipments" *Renewable and Sustainable Energy Reviews*; vol.64 pag.749-760, 2016 (SCOPUS - WOS)

I.D'Adamo, P.Rosa, S.Terzi "Challenges in Waste Electrical and Electronic Equipment management: A profitability assessment in three European countries" Sustainability; vol.8 n.7 pag.633, 2016 (SCOPUS - WOS)

I.D'Adamo, P.Rosa "Current state of renewable energies performances in the European Union: A new reference framework" Energy Conversion and Management; vol.121 pag.84-92, 2016 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo, M.Gastaldi "Photovoltaic Energy Systems with Battery Storage for Residential Areas: An Economic Analysis" Journal of Cleaner Production; vol.131 pag. 460-474, 2016 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo, P.Rosa "Urban Waste to Energy (WTE) plants: a social analysis" JP Journal of Heat and Mass Transfer; vol.13 n.3 p.421-444, 2016 (SCOPUS)

F.Cucchiella, I.D'Adamo, "Technical and economic analysis of biomethane: A focus on the role of subsidies" Energy Conversion and Management; vol.119 pag.338-351, 2016 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo, M.Gastaldi "Optimizing plant size in the planning of renewable energy portfolios" Letters in Spatial and Resource Sciences; vol.9 n.2 pag.169-187, 2016 (SCOPUS)

I.D'Adamo, P.Rosa "Remanufacturing in industry: advices from the field" The International Journal of Advanced Manufacturing Technology; vol.86 n.9 pag.2575-2584, 2016 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo "Waste to energy plant as an energy renewable source: financial feasibility" JP Journal of Heat and Mass Transfer; vol.13 n.1 p.93-117, 2016 (SCOPUS)

F.Cucchiella, I.D'Adamo, P.Rosa, S.Terzi "Scrap automotive electronics: A mini-review of current management practices" Waste Management & Research; vol.34 n.1 pag.3-10, 2016 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo, P.Rosa, S.Terzi "Automotive Printed Circuit Boards Recycling: an Economic Analysis" Journal of Cleaner Production; vol. 121 pag. 130-141, 2016 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo, P.Rosa "Industrial Photovoltaic Systems: An Economic Analysis in Non-Subsidized Electricity Markets" Energies; vol.8 n.11 pag.12865-12880, 2015 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo, S.C. Lenny Koh, P.Rosa "Recycling of WEEEs: an economic assessment of present and future e-waste streams" Renewable and Sustainable Energy Reviews; vol.51 pag. 263-272, 2015 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo, S.C. Lenny Koh "Environmental and economic analysis of building integrated photovoltaic systems in Italian regions" Journal of Cleaner Production; vol. 98 pag. 241-252, 2015 (SCOPUS - WOS)

F.Cucchiella I.D'Adamo "Residential photovoltaic plant: environmental and economical implications from renewable support policies" Clean Technologies and Environmental Policy; vol. 17 n. 7 pag. 1929-1944, 2015 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo, P.Rosa "End-of-Life of used photovoltaic modules: a financial analysis" Renewable and Sustainable Energy Reviews; vol. 47 pag. 552-561, 2015 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo, M.Gastaldi "Profitability analysis for biomethane: a strategic role in the Italian transport sector" International Journal of Energy Economics and Policy; vol. 5 n. 2 pag. 440-449, 2015 (SCOPUS)

F.Cucchiella I.D'Adamo "A multicriteria analysis of photovoltaic systems: energetic, environmental and economic assessments" International Journal of Photoenergy; pag. 1-8, 2015 (SCOPUS - WOS)



F.Cucchiella, I.D'Adamo, M.Gastaldi "Financial analysis for investment and policy decisions in the renewable energy sector" *Clean Technologies and Environmental Policy*; vol. 17 n. 4 pag. 887-904, 2015 (SCOPUS - WOS)

D.Chiaroni, V.Chiesa, L.Colasanti, F.Cucchiella, I.D'Adamo, F.Frattini "Evaluating solar energy profitability: A focus on the role of self-consumption" *Energy Conversion and Management*; vol. 88 pag. 317-331, 2014 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo, M.Gastaldi "Sustainable management of waste to energy facilities" *Renewable and Sustainable Energy Reviews*; vol. 33 pag. 719-728, 2014 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo, M.Gastaldi "Strategic municipal solid waste management: A quantitative model for Italian regions" *Energy Conversion and Management*; vol. 77 p. 709-720, 2014 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo, M.Gastaldi, S.C. Lenny Koh "Implementation of a real option in a sustainable supply chain: An empirical study of alkaline battery recycling" *International Journal of Systems Science*; vol. 45 n. 6 pag. 1268-1282, 2014 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo "Issue on supply chain of renewable energy" *Energy Conversion and Management*; vol. 76 n. 774-780, 2013 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo, M.Gastaldi "Italian energy portfolio analysis: an interactive renewable investments tool" *Advanced Materials Research*; vol. 739 pag. 768-776, 2013 (SCOPUS)

F.Cucchiella, I.D'Adamo, M.Gastaldi "A multi-objective optimization strategy for energy plants in Italy" *Science of The Total Environment*; vol. 443 pag. 955-964, 2013 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo, M.Gastaldi, S.C. Lenny Koh "Renewable energy options for buildings: performance evaluations of integrated photovoltaic systems" *Energy and Buildings*; vol. 55 p. 208-217, 2012 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo, M.Gastaldi "Municipal waste management and Energy Recovery in an Italian region" *Waste Management & Research*; vol. 30 n.12 p. 1290-1298, 2012 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo "Estimation of the energetic and environmental impacts of a roof-mounted building-integrated photovoltaic systems" *Renewable and Sustainable Energy Reviews*; vol. 16 n.7 p. 5245-5259, 2012 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo "Feasibility Study of Developing Photovoltaic Power Projects in Italy: An Integrated Approach" *Renewable and Sustainable Energy Reviews*; vol. 16 n. 3 p. 1562-1576, 2012 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo, M.Gastaldi "Modeling optimal investments with portfolio analysis in electricity markets" *Energy Education Science and Technology Part A: Energy Science and Research*; vol. 30 n. 1 p. 673-692, 2012 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo, M.Gastaldi "Green Supply Chain and the Energy Recovery Plant in Abruzzo" *Procedia - Social and Behavioral Sciences*; vol. 25 p. 54-72, 2011 (SCOPUS - WOS)

F.Cucchiella, I.D'Adamo, M.Gastaldi "Highway Project Management Through Real Option", *Journal of European Economy*; vol. 7 p. 38-54, 2008

## Referee

Applied Energy, Applied Sciences, Applied Thermal Engineering, Artificial Intelligence for Engineering Design, Analysis and Manufacturing, Bioenergy Research, Bioresource Technology, Buildings, Carbon Management, CIRP Journal of Manufacturing Science and Technology, Clean Technologies, Detritus, Energies, Energy, Energy and Buildings, Energy Conversion and Management, Energy Economics, Energy Policy, Energy Reports, Energy Research & Social Science, Energy Sources Part A Recovery Utilization and Environmental Effects, Energy Strategy Reviews, Engineering Economics, Environmental Engineering and Management Journal,

Environmental Impact Assessment Review, Environmental Pollution, Environmental Processes, Environmental Progress & Sustainable Energy, Environmental Technology, Frontiers Energy Research, Habitat International, Heliyon, Humanities and Social Sciences Communications, Informatics, International Journal of Cross Cultural Management, International Journal of Electrical Power and Energy Systems, International Journal of Environment and Waste Management, International Journal of Modelling and Simulation, International Journal of Global Energy Issues, International Journal of Green Energy, International Journal of Production Economics, International Journal of Public Administration, JOItnC, Journal of Building Engineering, Journal of Cleaner Production, Journal of Energy Storage, Journal of Environmental Management, Journal of Environmental Planning and Management, Journal of Material Cycles and Waste Management, Operations Management Research, Polymers, Production Planning & Control, Remote sensing, Renewable and Sustainable Energy Reviews, Renewable Energy, Renewable Energy Focus, Research in Transportation Economics, Resources, Resources Conservation & Recycling, Science of the Total Environment, Scientific Reports, Sensors, Symmetry, Social Sciences, Socio-Economic Planning Sciences, Structures, Supply Chain Management: An International Journal, Sustainability, Sustainable Cities and Society, Sustainable Energy Technologies and Assessments, Sustainable Materials and Technologies, Sustainable Production and Consumption, Technological and Economic Development of Economy, Technological Forecasting & Social Change, Trends in Food Science & Technology, Utilities Policy, Waste and Biomass Valorization, Waste Management, Waste Management and Research, Water

### **National journals**

F.Cucchiella, I.D'Adamo, P.Rosa, "Il portafoglio del riciclo: il trascurabile ruolo economico dei pannelli FV", [www.solarebusiness.it](http://www.solarebusiness.it), number march/2015

F.Cucchiella, I.D'Adamo, M.Gastaldi, "FV residenziale: il calcolo della convenienza", [www.solarebusiness.it](http://www.solarebusiness.it), number november/2014

M.Rotilio, P. De Berardinis, F.Cucchiella, I.D'Adamo, "Il fotovoltaico e l'edilizia storica", [www.solarebusiness.it](http://www.solarebusiness.it), number september/2014

F.Cucchiella, I.D'Adamo, V.Stornelli, "I benefici del fotovoltaico in sistemi ad autonomia illimitata", [www.solarebusiness.it](http://www.solarebusiness.it), number july-august/2014

F.Cucchiella, I.D'Adamo, P.Rosa, "Il riciclo del fotovoltaico conviene?", [www.solarebusiness.it](http://www.solarebusiness.it), number june/2014

F.Cucchiella, I.D'Adamo, "Fotovoltaico: opportunità di investimento nel residenziale", [www.solarebusiness.it](http://www.solarebusiness.it), number april/2014

F.Cucchiella, I.D'Adamo, "Ecco perché il fotovoltaico è una scelta sostenibile per il futuro", [www.solarebusiness.it](http://www.solarebusiness.it), number january-february/2014

I.D'Adamo "Valorizzazione del titolo di dottore di ricerca: urgono interventi", [www.amministrativ@amente.com](http://www.amministrativ@amente.com), number 11/2009

I.D'Adamo "Strategia pubblica di qualificazione delle scelte d'investimento nel campo delle infrastrutture. Un nuovo strumento di analisi", [www.amministrativ@amente.com](http://www.amministrativ@amente.com), number 5/2009

I.D'Adamo "I giovani propongono il fare", [www.forumpa.it](http://www.forumpa.it), Consorzio Nuova PA, 14/04/2009

### **International oral presentations**

I.D'Adamo, P.Rosa, "Assessing waste management in Europe: A new reuse & recycling index" 15th International Conference on Waste Management and Technology(ICWMT), 28-30 June 2020, Beijing, China

I.D'Adamo, F.De Monte, F.Ferella, M.Gastaldi, "The case study of a photovoltaic plant located at the University of L'Aquila: an economic analysis" 9th International Workshop Advances in Cleaner Production, 26 May 2020, Melbourne, Australia

I.D'Adamo, P.M.Falcone, M.Gastaldi, P.Morone "Solar energy for public buildings: is it economically sustainable?" 8th International Workshop Advances in Cleaner Production, 13-15 November 2019, Sanya, China

L.Ladu, E.Imbert, P.Morone, R.Quitow, P.M.Falcone, I.D'Adamo "Professionals procurers Sustainability Preferences". 6th International Environmental Best Practices Conference, 22-26 September 2019, Olsztyn, Poland

I.D'Adamo, P.M.Falcone, P.Morone "Assessing the transition towards bioeconomy through a socioeconomic indicator". SFER Conference, 4-5 June 2019, Reims, France

M. Rotilio, I. D'Adamo, L. Pantoli, "Historical masonries and energy diagnosis. Case studies". 4th International Scientific Conference: Knowledge based sustainable economic development (ERAZ), 7 June 2018, Sofia, Bulgaria

F.Cucchiella, I.D'Adamo, M.Gastaldi, S.C. Lenny Koh, E.DR. Santibanez-Gonzalez "European GHG emissions trajectory towards 2020" 2nd Global Conference on Theory and Applications of OR/OM for Sustainability (GCTAOS) 6-8 September 2017, Beijing, China

F.Cucchiella, I.D'Adamo, M.Gastaldi, M.Miliacca "A profitability analysis of small-scale biomethane plants". 6th International Workshop Advances in Cleaner Production, 24-26 May 2017, São Paulo, Brazil

F.Cucchiella, I.D'Adamo, M.Gastaldi, M.Miliacca "Efficiency and allocation of emission allowances over more sustainable European Countries". 6th International Workshop Advances in Cleaner Production, 24-26 May 2017, São Paulo, Brazil

F.Cucchiella, I.D'Adamo, M.Gastaldi "A Multi-Sectorial Analysis of a Waste to Energy Plant". 5th International Workshop Advances in Cleaner Production, 20-22 May 2015, São Paulo, Brazil

F.Cucchiella, I.D'Adamo, M.Gastaldi "Solid Waste Management: a multi-perspective feasibility analysis of incinerators in Italy". 8th Conference on Sustainable Development of energy, water and environment systems, 22-27 September 2013, Dubrovnik, Croatia

F.Cucchiella, I.D'Adamo, M.Gastaldi "A Sustainable Plan for Protection Environment" 17th International Working Seminar on Production Economics, 20-24 February 2012, Innsbruck, Austria

F.Cucchiella, I. D'Adamo, M. Gastaldi "An Analysis for the Right Location and Sizing of an Energy Recovery Plant in Abruzzo". International Conference on Asia Pacific Business Innovation and Technology Management, 2-4 October 2011, Lausanne, Switzerland

F.Cucchiella, I.D'Adamo, M.Gastaldi "The location, the size, financial and economic analysis of a plant with energy recovery: the Abruzzo case". Research Workshop-Supply Chain Management: Innovation in Meeting the Challenges of the 21st Century, 28-30 August 2011, Prato, Italy

F.Cucchiella, I.D'Adamo, M.Gastaldi, S.C. Lenny Koh "A photovoltaic system in a residential building: environmental and economic optimization analysis". 8th International Conference on Supply Chain Management and Information Systems, 6-8 October 2010, Hong Kong, China. It has been an Highly Commended Award (SCOPUS)

F.Cucchiella, I.D'Adamo, M.Gastaldi "Green Supply Chain and firm performance". 16th International Working Seminar on Production Economics, vol. 1 pag. 101-112, 1-5 March 2010, Innsbruck, Austria

F.Cucchiella, I.D'Adamo, M.Gastaldi. "Highway Project Management Through Real Option". International Conference on Applied Economics 2008, 15-17 May 2008, Kastoria, Greece

## National oral presentations

F.Cucchiella, I.D'Adamo, M.Gastaldi "Un business emergente: analisi economica del riciclo delle schede elettroniche provenienti dagli e-waste". XXVIII Riunione Scientifica annuale dell'Associazione Italiana Ingegneria Gestionale, 19-20 October 2017, Bari

F.Cucchiella, I.D'Adamo, M.Gastaldi "Analisi di un impianto fotovoltaico per uso domestico: valutazioni ambientali, economiche ed opportunità". XXI Riunione Scientifica annuale dell'Associazione Italiana Ingegneria Gestionale, 14-15 October 2010, L'Aquila, Italy

F.Cucchiella, I.D'Adamo, M.Gastaldi "Green supply chain: il processo di valorizzazione delle pile alcaline". Atti del Convegno Scientifico della Rete Italiana LCA - Enea, pag. 165-172, 21-22 April 2010, Padova, Italy

## Teaching activities

Professor "Gestione Aziendale" Sapienza University of Rome, academic year 2019/2020 – 2020/2021

Professor "Economics of Technology and Management" Sapienza University of Rome, academic year 2019/2020 – 2020/2021

Professor "Laboratorio di Ingegneria Economico Gestionale" Sapienza University of Rome, academic year 2019/2020 – 2020/2021

Professor "Economia Circolare: Nuovi modelli di produzione e di consumo", Unitelma Sapienza Università di Roma, anno accademico 2020/2021

Within Master Executive of I Level "La tutela dell'ambiente. Profili economici e giuridici - TAMPREG" Unitelma Sapienza – University of Rome I have conducted three lessons referred to the Module III "Tutela dell'ambiente e sviluppo: esperienze applicative e best practice" and three lessons within Module IX "Gestione dei rifiuti nella prospettiva della circular economy Strategie di protezione dell'ambiente tra economia e diritto A.A. 2018-2019

Member of the Academic Board of the XXXIV cycle of PhD in Ingegneria Industriale e Gestionale presso University of Rome "La Sapienza" since 01/11/2020

Member of the Academic Board of the XXXIV cycle of PhD in Industrial Engineering and Information and Economics at the University of L'Aquila since 23/01/2018

Assistant Professor "Economia ed Organizzazione Aziendale", University of L'Aquila, Prof.ssa F.Cucchiella, academic year 2008/09 – 2009/10 – 2010/2011 – 2011/12 – 2016/17 – 2017/18.

Assistant Professor "Economia Applicata all'Ingegneria", University of L'Aquila, Prof. M.Gastaldi, academic year 2008/09 – 2009/10 – 2010/2011 – 2011/12.

Assistant Professor "Analisi dei Sistemi Finanziari", University of L'Aquila, Prof. M.Gastaldi, academic year 2008/09 – 2009/10 – 2010/2011.

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