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A) Current position

December 2018 - present: Associate Professor in Economic Policy (SECS-P/02).

2008-2018: Assistant Professor in Economic Policy (SECS-P/02).

B) Previous positions and education

2006-2007 Research fellow, Department SEFEMEQ, Università di Roma Tor Vergata

2004–2006 Research fellow, Department of Economics and Land (Economia e Territorio),
Università di Cassino

2003 PhD Program in "Economic theory and institutions", Università degli Studi di Roma
‘Tor Vergata’ (Title of the dissertation: *Poverty alleviation in a framework of optimal income
taxation*, supervisor: Prof. Vincenzo Denicolò).

1997 Degree in Political Science (110/110 cum laude), Università di Bologna

C) Research interests

Behavioral and experimental economics; pro-social and pro-environmental behaviors; economic theory of waste management decisions and policies; environmental policies and crime; eco-innovation and financial barriers; emission trading and taxation.

D) Selected publications

D.1) Journal articles

- “The Role of Information Sources and Providers in Shaping Green Behaviors. Evidence from Europe” (with A. D’Amato and M. Giaccherini), 2019, *Ecological Economics*, 164: 106-292.
- “Corruption in environmental policy: the case of waste” (with B. Cesi and A. D’Amato), 2019, *Economia politica*, 36: 65–78.
- “Illegal waste disposal: enforcement actions and decentralised environmental policy” (with A. D’Amato, M. Mazzanti and F. Nicolli), 2018, *Socio-Economic Planning Sciences*, 64; 56–65.

- “Tradable Quotas Taxation and Market Power” (with A. D’Amato and E. Valentini), *Energy Economics*, 2017, 63; 248–252.
- “Financial barriers and Environmental Innovations: Evidence from EU manufacturing firms” (with C. Ghisetti, S. Mancinelli and M. Mazzanti), *Climate Policy*, 2017, 17, S131-S147.
- “Complementarity vs substitutability in waste management behaviors” (with A. D’Amato and S. Mancinelli), *Ecological Economics*, 2016, 123; 84–94.
- “Interpreting bargaining strategies of developing countries in climate negotiations. A quantitative approach” (with V. Costantini and G. Sforza), *Ecological Economics*, 2016, 121; 128-139.
- “Taxing international emissions trading” (with V. Costantini, A. D’Amato, C. Martini, M.C. Tommasino, E. Valentini), *Energy Economics*, 2013, 40; 609-621.
- “Illegal Waste Disposal in the Time of the Mafia: a Tale of Enforcement and Social Well Being” (with A. D’Amato), *Journal of Environmental Planning and Management*, 2012, 55, 5; 637-655.
- “Deriving multidimensional poverty indicators. Methodological issues and an empirical analysis for Italy” (with M. Coromaldi), *Social Indicators Research*, 2012, 107; 37–54.
- “The Four-Sector Diagram of Benefits (FSDOB) as a method for evaluating strategic interactions between humans and the environment. The case study of hydrogen fuel cell buses” (with C. Giannantoni), *Ecological Economics*, 2010, 69; 486–494.
- “Environmental Quality and Income Inequality: The Impact of Redistribution on Direct Household Emissions in Italy” (with L. Castellucci and A. D’Amato), *Rivista di Politica Economica*, 2009, VII-IX, 121-140.

D.2) Book chapters and review

- “Book Review: Shanti Gamper-Rabindran. (Ed.), *The Shale Dilemma: A Global Perspective on Fracking and Shale Development*, University of Pittsburgh Press, Pittsburgh, PA (2018). 472 pp., *The Extractive Industries and Society*, Volume 6, Issue 4, November 2019, 1378-1379.
- “Careful with that switch! Willingness to save energy and income distribution” (with G. Castaldi and A. D’Amato), in Fadda S. and Tridico P. (Eds), *Inequality and Uneven Development in the Post-Crisis World*, 2018, London, Routledge.
- “Environmental policy-making in real life. Illegal waste disposal in the presence of organized crime” (with A. D’Amato), in Castellucci L. (Ed), *Government and the Environment. The Role of the Modern State in the Face of Global Challenges*, 2014, London, Routledge, ISBN: 978-0-415-63354-3.

- “A Note on Illegal Waste Disposal, Corruption and Enforcement” (with A. D’Amato), in D’Amato A., Mazzanti M. and Montini A. (Eds), *Waste Management in Spatial Environments*, 2013, London, Routledge, ISBN: 978-0-415-68718-8.
- “Green Jobs nel settore dei rifiuti: quali opportunità” (in Italian). In: Brunelli G., Buoncompagni F. (eds.), *Il contributo dei lavori verdi allo sviluppo sostenibile in Italia: stato dell'arte e prospettive*, p. 80-87, PON GAS 2007-2013 - Ministero dell’ambiente e della Tutela Del Territorio e del Mare.
- “The Italian Income Tax System. How did recent reforms affect labor supply decisions and redistribution?” (with V. Parisi), in W. J. Berube and C. N. Pinto (Eds), *Taxation, Tax Policies and Income Taxes*, 2010, Nova Science Publishers, NY, ISBN: 978-1-60741-626-5.
- “The Derivative ‘Drift’ in Complex Systems Dynamics. The Case of Climate Change and Global Warming” (with C. Giannantoni), 2009, in *Proc. ECOS 2009, 22nd Conference on Efficiency, Costs, Optimization, Simulation and Environmental Aspects of Energy Systems*, Foz do Iguacú, Paraná, Brazil, ISSN 2175-5426.
- “Ordinal Maximization Principle vs Pareto’s Optimum Conditions in Policy Decision Making. The Case of Hydrogen Technologies” (with C. Giannantoni), 2008, in H. Schnitzer and S. Ulgiati (Eds), *Advances in Energy Studies. Towards a holistic approach based on science and humanity*, Book of Proceedings, Gratz: 333-344, ISBN: 978-3-85125-018-3

E) Submitted papers and work in progress:

- “Smoke on the beach: a field experiment to reduce cigarette littering” (with G. Castaldi and G. Cecere).
- “Doggy bag? Yes, please. On the use of social norms and default to reduce food waste” (with S. Mancinelli).
- “Which way from corruption to non-compliance? Testing for an efficiency-based route” (with A. D’Amato and G. Castaldi).

F) Research projects and funding

2017 - PRESENT: Project EEA/IEA/13/003-ETC/WMGE European Topic Centre on Waste and Materials in a Green Economy; task 4 - Well-being and income distribution in a green economy.

- 2016-2017: Consultancy to Joint Research Center (JRC) – European Commission. Topic: Unconventional Hydrocarbons (UH) Industry in Europe. Output: contributo al rapporto dal titolo “Techno-economic assessment of the conditions for the development of a potential unconventional gas and oil industry: Review of experiences outside Europe and analysis of the European potential” <https://ec.europa.eu/jrc/en/publication/eur-scientific-and-technical-research-reports/techno-economic-assessment-conditions-development-potential-unconventional-gas-and-oil>
- 2016: Consultancy with the Italian Ministry of the Environment on the “Report on the Environment” – in cooperation with CEIS Tor Vergata.
- 2014 CECILIA 2050 Project (Choosing Efficient Combinations of Policy Instruments for Low-carbon development and Innovation to Achieve Europe’s 2050 climate targets), funded by the European Union’s 7th Framework Programme for Research (FP7) (as SEEDS member).
- 2012: Contribution to the report “Il contributo dei lavori verdi allo sviluppo sostenibile in Italia: stato dell’arte e prospettive”, within the Program “Governance e Azioni di Sistema” (PON GAS), Italian Ministry of the Environment.
- 2010-2013: Project PRIN 2010/2011 (National coordinator: M. Galeotti participation to Tor Vergata Local Unit): Climate Change in the Mediterranean Area. Scenarios, Economic Impacts, Mitigation Policies and Technological Innovation.
- 2007-2008 Project POLIDEMACO (Policy decision making code), Development of a simulation model for strategic decision-making in energy systems (Università LUISS “Guido Carli” and ENEA).
- 2002-2004: Project PRIN 2002/2003 (National coordinator: W. Santagata; participation to Università di Cassino Local Unit): Public Intervention and Economic Sustainable Development of Cultural Heritage in the Mediterranean Area. A comparative analysis of public economics, institutions and culture.
- 2003-2004 Project DIECOFIS (Development of a System of Indicators on Competitiveness and Fiscal Impact on Enterprise Performance) (Participation to Tor Vergata Local Unit), European Commission (5th Research Programme - Information Society Technologies - contract n. IST-2000-31125). Work-package 6 (Tax model construction and development: tax schedules rules modules for corporate enterprises, country IT).

G) Other professional activities

Refereeing

Ecological Economics; Ecological Engineering; Ecological Indicators; Environment and Development Economics; Environmental Economics and Policy Studies; Journal of Cleaner Production; Journal of Economic Issues; Social Indicators Research; Waste Management. Economia Politica; Rivista Italiana degli Economisti; Rivista di Politica Economica; QA - Rivista dell'Associazione Rossi-Doria.

H) Teaching

- A.A. 2013-14 - PRESENT: Environmental Economics, Master of Science in Economics, Università di Roma 'Tor Vergata'.
- A.A. 2015-16 - PRESENT: Politica economica, triennio CLEMIF e CLEF, Università di Roma 'Tor Vergata'.
- A.A. 2016-17: Economia della tassazione d'impresa (Modulo 2), biennio Economia e diritto d'impresa, Università di Cassino e del Lazio Meridionale.
- A.A. 2016-17: Venice International University (VIU) – Graduate Seminar Framing global change and green economy in the Sustainable Development Goals
Lecture on Greening Consumers' Behaviours; Hands on Experience with Behavioural Economics Experiments.
- A.A. 2013-14; 2014-15: Green Finance, triennio, Università di Roma 'Tor Vergata'.
- A.A. 2012-13: Public Economics, Master of Science in Economics, Università di Roma 'Tor Vergata'.
- A.A. 2011-12: Economia dell'ambiente, triennio, Università di Roma 'Tor Vergata'.
- A.A. 2011-12; 2012-13: Advanced Issues in Environmental and Resource Economics, PhD Program in Economics, Law and Institutions, Università di Roma 'Tor Vergata'.
- A.A. 2009-10 FINO A 2011-12: Microeconomia, PhD Program in Environmental Economics and Law (DEA), Università di Roma 'Tor Vergata'.

- A.A. 2007-08: Economia applicata, biennio, Università di Cassino.
A.A. 2006-07: Scienza delle Finanze, triennio, Università di Cassino.
A.A. 2006-07: Economia delle istituzioni, triennio, Università di Cassino.

TEACHING IN MASTER PROGRAMS:

- 2012 - PRESENT: Waste economics: Theory and applications, Master in Economia della Concorrenza e della Regolamentazione nelle Public Utilities, Department DEF, Università di Roma 'Tor Vergata'.
2012 – 2014 Sustainable development and green jobs, Master Ambiente e Green Management – Formazione 24ore Business School, Roma.
2012 – 2013 Non-renewable and Renewable Energy Sources: Costs and Benefits, Master GEM (Green Energy Management), Roma.
2010-2012 Environmental and Natural Resource Economics: Theoretical Foundations and Applied Issues, FORGEA International, Cagliari.

SUPERVISION

Phd students (co-supervision)*

- Gianluca Trotta (2015) Essays on Energy efficiency
Cosimo Antonaci (2016) Analisi economico-ambientale del traffico marittimo e del turismo
Nicoletta Trotta (2016) L'implementazione delle migliori tecniche disponibili (BAT) per il controllo dei principali macroinquinanti in aria. Scenari per una allocazione degli investimenti efficace rispetto al costo.
Gionata Castaldi (2018) Three Essays on Waste Issues
Matilde Giaccherini* (2018) Behavioral factors affecting pro-environmental behaviors: the role of information and trust
Andrea Serna Castaño* (in corso) Experiments in supermarkets to promote organic food consumption

Three year courses and Master

Since 2013, supervision of 55 theses in Green Finance, Politica economica, Environmental Economics.

PhD Commissions

Aiolfi, Chakraborty, Donelli, Enna, Lodi, Marzano (2019 – Dottorato in Economia e Management dell'innovazione e della sostenibilità, Università di Ferrara); Caravaggio, Iorio (2019 – Dottorato in Economia, Università di Roma Tre); Francesca Mazzeola (2017 - Dottorato in Economia dell'Ambiente e dello Sviluppo; Università degli Studi Roma Tre); Mariaelena Sciarra (2017 – Doctorate in Business, Institutions, Markets; Università di Pescara); Giulia Bellante, Eleonora Ciccone, Serena Giampietro, Daniele Mezzapelle, Oscar Genovesi, Fabrizio Giulimondi (2017 – Doctorate in Business, Institutions, Markets; Università di Pescara), Matteo Di Fabio, Paolo de' Capitani di Vimercate (2017 – Dottorato in Scienze Giuridiche; Università di Pescara), Andrea Rampa, Ada Cheng (2016 – Dottorato EDI; Università di Roma Tor Vergata), Nicola Ciampoli, Rossella Mossucca (2016 – Doctorate in Money and Finance; Università di Roma Tor Vergata), Alessandro Palma (2014 Dottorato in Economia e Metodi Quantitativi – Economia dell'Ambiente e dello Sviluppo; Università degli Studi Roma Tre).

I) Institutional activities

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| 2019 - | Member of commissione paritetica Docenti-Studenti |
| | Member (membro supplente) of Comitato Unico di Garanzia (CUG) |
| 2016 - PRESENT: | Member of the degree program (Consiglio di corso di studio) in Economics and Finance (CLEF), Department of Economics and Finance, Università di Roma 'Tor Vergata'. |
| 2012 - 2015: | Member of the Department Committee (Giunta di Dipartimento), Economia e Finanza, Università di Roma 'Tor Vergata'. |

L) Conference and Workshop participation as presenter

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| 2019 | VII Annual Conference of the Italian Association of Environmental and Resource Economists (IAERE) – Università di Udine |
| 2018 | WCERE 2018 - 6th World Congress of Environmental and Resource Economists; University of Gothenburg |

Markets and Policy Douro Meeting; Católica Porto Business School (Portugal)

RGEA Workshop 2018; School of Economics and Business Administration University of Vigo

VI Annual Conference of the Italian Association of Environmental and Resource Economists (IAERE) – Università di Torino

Inno4sd Workshop on Social Innovations and knowledge sharing for a circular sustainable economy; Università Cattolica del Sacro Cuore

- 2017 58a Annual Conference of the Società Italiana degli Economisti (SIE), Arcavacata di Rende, Università della Calabria
- V Annual Conference of the Italian Association of Environmental and Resource Economists (IAERE) – Università di Roma Tor Vergata
- 2016 IV Annual Conference of the Italian Association of Environmental and Resource Economists (IAERE) – Università di Bologna
- 2015 III VII Annual Conference of the IAERE (Italian Association Environmental and Resource Economists), Università di Padova
- 2014 Workshop on “Finance and the environment – The role of finance behind the adoption of eco innovations and firm’s ‘green competitiveness’” (title of the presentation: The microeconomics of Green Finance: a role for banks in an “imperfect” world), University College, London
- World Congress of Environmental and Resource Economists (WCERE), Istanbul
- II Annual Conference of the IAERE (Italian Association Environmental and Resource Economists), Università di Milano
- 2013 V meeting of the Society for the Study of Economic Inequality (ECINEQ), Università di Bari
- 54ma Annual Conference, Società Italiana degli Economisti (SIE), Università di Bologna
- 2012 19ma Annual Conference of the European Association of Environmental and Resource Economists (EAERE 2012), Università di Praga (Repubblica Ceca).
- XXIV Conference of the Società Italiana di Economia Pubblica (SIEP), Università di Pavia
- 2011 18ma Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Università di Roma Tor Vergata.
- XXIII Conferenza Società Italiana di Economia Pubblica (SIEP), Università di Pavia
- 52ma Annual Conference, Società Italiana degli Economisti (SIE), Università di Roma
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SEMINARS

University of Gothenburg (Department of Economics, General Economics Seminar Series);
University College, London; Università Ca' Foscari Venezia; Università di Cassino;
Università di Ferrara; Università di Bologna; Università di Rimini; Università di Bari;
Università di Roma Tre; ISFOL.

MEMBER OF SCIENTIFIC ASSOCIATIONS

- IAERE (Italian Association of Environmental and Resource Economists); since January 2018 Council member;
Vice-chair of the V Annual Conference of the IAERE Association, Rome 16-17 February 2017.
- EAERE (European Association of Environmental and Resource Economists)
- ECINEQ (Society for the Study of Economic Inequality) - Founding Member.

MEMBERSHIP

SEEDS – Sustainability Environmental Economics and Dynamics Studies member;

CEIS Centre for Economic and International Studies Research Fellow.

Member of the Editorial board for Revista de Métodos Cuantitativos para la Economía y la Empresa - Journal of Quantitative Methods for Economics and Business Administration:
<http://www.upo.es/RevMetCuant/equipo.php?lang=en>

THIRD MISSION (DISSEMINAZIONE DELLA RICERCA)

2018 – CONVEGNO RIDURRE GLI SPRECHI ALIMENTARI: ECORISTORANTI, NORME SOCIALI, RETI SOLIDALI. Torino (22 November), Città Metropolitana, seminar title “Doggy bag? Yes, please: analysis, results and perspectives” (in Italian)

2016 – FESTIVAL DEL TURISMO RESPONSABILE, Rimini (20 May), seminar title “*A field experiment in beach resorts: nudge and cigarette butts*” (in Italian)

2015 – FARE I CONTI CON L’AMBIENTE, RAVENNA 2015, workshop on Waste: behaviors, management and economic valuation, title of the presentation: “*Reduction and recycling behaviors of Italian households: motivations and incentives*” (in Italian)

2015 – INCONTRI-CONFRONTI SULLA SOSTENIBILITÀ, CHI FINANZIA LA SOSTENIBILITÀ? SOCIAL FINANCE – GREEN BANKING – GREEN ECONOMY, Università Ca' Foscari Venezia, seminar title: “Green Banking: the role of banks in financing sustainable development” (in Italian)