

MARIANGELA ZOLI

Department of Economics and Finance (DEF)

Università degli Studi di Roma “Tor Vergata”

Via Columbia 2, Roma, 00133 (Italy)

Tel: +39 06 72595929; Fax: +39 06 2040219

E-mail: zoli@uniroma2.it

Website: <http://economia.uniroma2.it/faculty/91/zoli-mariangela>

A) Current position

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

2020-2029: National Scientific Qualification to full professor in Economic Policy (Politica Economica - 13/A2).

B) Previous positions and education

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

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 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; Sustainability transition: environmental quality and income distribution.

D) Selected publications

D.1) Journal articles

- True to type? EU-style date marking and the valuation of perishable food (with A. D’Amato, T. Goeschl, L. Lorè), 2023, *Food Policy*, 114, 102381.
- Waste recycling policies and Covid-19 pandemic in an E-DSGE model (with A. Argentiero e A. D’Amato), 2022, *Waste management*, Vol. 141: 290-299.
- Nudging food waste decisions at restaurants (with Giaccherini, M., Gilli, M., Mancinelli, S.), 2021, *European Economic Review*, 103722.

- “Smoke on the beach”: On the use of economic vs behavioral policies to reduce environmental pollution by cigarette littering (with G. Castaldi and G. Cecere), 2021, *Economia Politica - Journal of Analytical and Institutional Economics*, 38(3): 1025-1048.
- 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.

D.2) Book chapters and review

- “On the use of behavioural instruments to affect individual waste production and disposal decisions” (with S. Mancinelli), in A. Bucciol, A. Tavoni, e M. Veronesi (2023), *Behavioral Economics and the Environment: A Research Companion*, Routledge; pp. 249-267.

- “Re-use 2.0: a proposal for the introduction of a deposit refund system” in Italian (with A. D’Amato), in L. Becchetti e G. A. Forte (eds) “Il libro bianco della transizione ecologica”. 2021. Rubbettino.
- “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 Iguaçu, 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

D.3) Contribution to Policy report

- Barbieri, N., Bassi A.M., Beretta, I., Costantini, V., D’Amato, A., Gilli, M., Marin, G., Mazzanti, M., Paleari, S., Speck, S.U., Tagliapietra S., Zoboli R., Zoli, M.. “Sustainability transition and the European Green Deal: A macro-dynamic perspective.” Eionet Report - ETC/WMGE 2021/8, December 2021

- Speck S. and Zoboli R., main authors, and Paleari S., Marin G., Mazzanti M., Costantini V., Barbieri N., Gilli M., D'Amato A., Zoli M., Sforza G., Bassi A., 2019, “The sustainability transition in Europe in an age of demographic and technological change. An exploration of implications for fiscal and financial strategies, EEA Report 23/2019, ISSN 1977-8449, European Environment Agency, Copenhagen.

E) Submitted papers and work in progress:

A further look at the gender gap in Italian academic careers (with M. Brunetti and A. Fabretti)

Gender matters in gender difference perceptions: the case of the University of Rome Tor Vergata (with M. Brunetti and A. Fabretti)

The EU Fit-for-55 climate action: a distributive analysis for Italy (with V. Costantini, C. Martini, B. Mina)

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

June-December 2022	Consultant for a study on “Environmental policies and individual behaviour relevant to the circular economy transition in Italy”, Organisation for Economic Co-operation and Development (OECD).
Since 23/01/2020:	Member of the Expert Group on Sustainable Economy and Development, Ministry of the Ecological Transition (MITE).
2020	Member of the research group at CEIS - Centro Interdipartimentale per l'Economia e lo Sviluppo dell'Università di Roma 'Tor Vergata' (for FB & Associati) on the project “Taxation scenarios in the Italian wine market”
2019-2021	European Topic Centre on Waste and Materials in a Green Economy (ETC/WMGE) – participation in the context of the activities of SEEDS Research Centre.
2016-2018	
2019-2020:	Participation in the project funded by Fondazione AMGA (Bando PROJECT 4.0 per proposte di progetti di ricerca annuali), title of the research “Public intervention, waste cycle and economic efficiency. The role and effectiveness of Unit Based Pricing” (in Italian).

- 2016-2017: Consultancy to Joint Research Center (JRC) – European Commission. Topic: Unconventional Hydrocarbons (UH) Industry in Europe. Output: “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.

H) Teaching (only in recent years)

- A.A. 2019-20 - PRESENT: Instructor of Public Economics, three-year courses SARI and CLEF, University of Rome 'Tor Vergata'.
- A.A. 2015-16 – PRESENT Instructor of Economic and financial policy, three-year courses CLEMIF e CLEF, University of Rome 'Tor Vergata'.
- A.A. 2021 – 22 - PRESENT Instructor of Political Economy of Globalization, Master course in Global Management and Politics, LUISS Guido Carli.
- A.A. 2020 – 21 Teaching assistant for the course in Political Economy of Globalization, Master course in Global Management and Politics, LUISS Guido Carli.
- A.A. 2018-2019 – PRESENT Teaching assistant for the course in Public economics, Master course in Administration and Politics, LUISS Guido Carli.
- A.A. 2020 – 21: Instructor of Economics, three-year course in Biotechnology, University of Rome Tor Vergata.
- A.A. 2016-17 Instructor of Economics of corporate taxation, Master course in Economics and Law of the firm, Università di Cassino e del Lazio Meridionale.
- A.A. 2016-17 Venice International University (VIU) – Graduate Seminars:
- 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 Instructor of Green Finance, Corsi di Laurea in ambito economico, Università di Roma 'Tor Vergata'.
- A.A. 2013-14 – 2019-20 Instructor of Environmental Economics, Master of Science in Economics, University of Rome Tor Vergata.

TEACHING IN MASTER PROGRAMS:

2019-2020 – present	Responsible for the module “Quality Management and Green Procurement”, “Master in Public procurement management MPPM”, University of Belgrade and University of Rome Tor Vergata; teaching activity on “GPP as an environmental policy instrument”.
2019 – 2020; 2020-2021:	Module “Climate Policy, Economics and Finance”, 2nd Level Specializing Master’s Programme in Climate Change: adaptation and mitigation solutions, Politecnico di Torino.
2012 - 2019:	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
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* (2019)	Experiments in supermarkets to promote organic food consumption
Benedetta Mina (present)	Distributional impacts of climate policies

Three year courses and Master

Since 2020, supervision of 50 theses in Green Finance, Economic policy, Environmental Economics.

PhD Commissions

Federica Cappelli (2021 – Dottorato in Economia, Università di Roma Tre); 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 Mazzarella (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 Vimerate (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

2023 – PRESENT	Vice-Dean Faculty of Economics, Università di Roma Tor Vergata
2022-2023	Coordinator of the Riccardo Faini CEIS Seminars (Università di Roma Tor Vergata)
2019 – PRESENT	Member of the Joint Commission Students-Professors (commissione paritetica Docenti-Studenti)
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'.
2016 - PRESENT:	Member of the board, PhD in Economics and Finance, Università di Roma Tor Vergata.
2019 – 2020	Member of Comitato Unico di Garanzia (CUG), Università di Roma Tor Vergata.
2012 - 2015:	Member of the Department Committee (Giunta di Dipartimento), Economia e Finanza, Università di Roma 'Tor Vergata'.
2011 - 2016:	Member of the board, PhD in Economics, Law and Institutions, Università di Roma 'Tor Vergata'.
2010:	Member of the board, PhD in Economics and Law of the Environment, Università di Roma 'Tor Vergata'.

J) Conference and Workshop participation as a presenter

2022	Gender R-Evolutions: immaginare l'inevitabile, sovvertire l'impossibile – Università di Trento IAERE10 Tour, closing event: Energy Self-Sufficiency energy efficiency and climate policy for a 'just' low carbon transition (online webinar) (invited presentation: The EU Fit-for-55 climate action: a distributive analysis for Italy)
2019	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

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 Annual Conference of the Italian Society of Economists (SIE), Arcavacata di Rende, Università della Calabria

Annual Conference of the Italian Association of Environmental and Resource Economists (IAERE) – Università di Roma Tor Vergata

2016 Annual Conference of the Italian Association of Environmental and Resource Economists (IAERE) – Università di Bologna

2015 Annual Conference of the Italian Association of Environmental and Resource Economists (IAERE), 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’” (invited 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

Annual Conference of the Italian Association of Environmental and Resource Economists (IAERE), Università di Milano

2013 V meeting of the Society for the Study of Economic Inequality (ECINEQ), Università di Bari

Annual Conference of the Italian Society of Economists (SIE), Università of Bologna

2012 Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Università di Praga (Repubblica Ceca).

XXIV Annual Conference of the Italian Society of Public Economics (SIEP), Università di Pavia

2011 Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Università di Roma Tor Vergata.

Annual Conference of the Italian Society of Public Economics (SIEP), Università di Pavia

Annual Conference of the Italian Society of Economists (SIE), Università di Roma 3.

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 2018-2022 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>

K) Education

- 2003 Dottorato di Ricerca in "Teoria Economica ed Istituzioni", Università degli Studi di Roma 'Tor Vergata' (Title of the thesis: Poverty alleviation in a non-welfarist framework of optimal income taxation, supervisor: Prof. Vincenzo Denicolò).
- 1997 Laurea in Scienze Politiche (110/110 cum laude), Università di Bologna

FIRMA