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## Curriculum Vitae Europass

Prof. Pierluigi Toma  
Professore Associato Econometria  
Università del Salento



## Contatti

Dipartimento di Management, Finanza e Tecnologia  
Università LUM Giuseppe Degennaro  
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## Formazione e carriera

Ott 2022-Ott 2025 Ricercatore a tempo determinato b) di Econometria, Università del Salento, Lecce

Mag 2020-Ott 2022 Ricercatore a tempo determinato a) di Econometria, Università del Salento, Lecce

Tema di ricerca L'impatto economico delle produzioni agricole con marchio PDO

Gen-Dic 2019 Assegnista di ricerca in Econometria, Università del Salento, Lecce, Italy

Tema di ricerca Analisi nonparametrica con dati panel: investimenti in R&D e dimensione delle imprese italiane

Lug-Dic 2018 Assegnista di ricerca in Ingegneria economica, Università di Roma La Sapienza, Roma, Italia

Tema di ricerca Analisi delle Basi dati di Ateneo al fine di ottimizzarne la gestione e individuare soluzioni alle criticità riscontrate in fase di analisi

Gen-Giu 2018 Borsista di ricerca in Ingegneria economica, Università di Roma La Sapienza, Roma, Italia

Tema di ricerca Analisi di efficienza nonparametrica e condizionale

Apr-Lug 2018 Collaboratore attività di ricerca in Statistica Economica SECSP/03, Università del Salento, Lecce, Italia

Tema di ricerca Evaluation of the sustainability of water consumption in relation to environmental, social and economic reference parameters, through statistical-econometrics models

Mar-Mag 2018 Collaboratore attività di ricerca in Economia Applicata SECSP/06, Università del Salento, Lecce, Italia

Tema di ricerca Collection and processing of Open Data on water consumption in Italy, at provincial level, in order to set environmental efficiency strategies and policies  
Istruzione

Feb 2018 PhD in Economia, Management e Metodi quantitativi



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Università del Salento, Lecce  
Summa cum laude  
Tesi: "Nonparametrics analysis in conditional frontier models"  
Relatore: Prof. C. Mastromarco  
Commissione esame finale: Prof. L. Simar, Prof. R. Golinelli,  
Prof. C. Daraio.

Feb 2016 Certificat universitaire en Statistics (LM40), Université Catholique  
de Louvain, Louvain-la-Neuve, Belgio

Corsi: "Analysis of survival and duration data, Nonparametric statistics,  
Nonparametric statistics: smoothings methods, Resampling  
methods with applications"

Set 2015 PhD course "Topics in Microeconometrics with applications in Energy  
and Environmental Economics" Cide Course, Palermo, 7-12  
Settembre 2015

Dic 2014 Workshop "Dynamic Panel Data Workshop Prof. Y. Shin, Bari,  
2-4 Dicembre 2014

Lug 2014 Summer School in Applied Macroeconometrics Prof. U. Woitek e  
Prof. C. Mastromarco, Lecce, 28 Luglio - 1 Agosto 2014

Apr 2014 Certificazione delle competenze  
Messaggeri della Conoscenza, Università del Salento, Lecce,  
Italy  
Argomento: "Introduction to nonparametric statistics and econometrics  
and to bootstrap methods", 4ECTS  
Responsabile scientifico: Prof. C. Mastromarco

## Esperienza professionale

2019-presente RISIS2  
This project is funded by the European Union under Horizon2020  
Research and Innovation Programme Grant Agreement n°824091  
Partecipazione attività di ricerca

2019 RIFARe – "Risk management and Insurance systems to Face climate  
issues and to support Agricultural Resilience"  
Finanziato nell'ambito dei progetti 5xMILLE dell'Università del  
Salento.  
Partecipazione attività di ricerca

2019 "Further statistical analysis of CIB2's patent portfolios"  
Ricerca finanziata da UPEM - Paris Est  
Co-Responsabilità scientifica

2018 EDUCO - "Efficienza della Didattica delle Università italiane:  
approccio multidimensionale Condizionato"  
Finanziato da Anvur (Agenzia nazionale di valutazione del sistema  
universitario e della ricerca, 3° bando idee di ricerca).  
Co-Responsabilità scientifica



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2014–2018 RISIS

This project is funded by the European Union under the Seventh Framework Programme Grant Agreement n°313082

Partecipazione attività di ricerca

2017 Urban Water Efficiency

Finanziato nell'ambito dei progetti 5xMILLE dell'Università del Salento;

Partecipazione attività di ricerca

Exchange periods

Ott 2019 Visiting researcher a Jinan University (Guangzhou, China) su invito del Prof. Y.Tang.

Mar 2018 Visiting researcher a ESIEE (Paris) nell'ambito del progetto di infrastruttura di ricerca europea RISIS Research infrastructure for research and innovation policy studies.

Set–Feb 2015 Visiting PhD Student a Catholic University of Louvain (Louvain-la-Neuve, Belgium), advisor prof. I.Van Keilegom.

Mag–Lug 2014 Visiting Student a Catholic University of Louvain (Louvain-la-Neuve, Belgium), advisor prof. L.Simar.

Responsabilità editoriali

Guest Editor for the Special Issue "Methodologies and Applications to Assess the Nexus between Agriculture, Environment and Health" of International Journal of Environmental Research and Public Health, edited by MDPI, indexed by the Science Citation Index Expanded (Web of Science), Social Sciences Citation Index (Web of Science), MEDLINE (PubMed), Scopus (Elsevier) and other databases. Full-text available in PubMed Central.

**Accreditamento presso albi**

2017-oggi: Abilitazione alla professione di Dottore Commercialista

**Istruzione e formazione**

2014-2018: Ph.D., Dottorato di Ricerca in Economia, Management e Metodi Quantitativi

2011-2014: Laurea Magistrale in Economia Finanza e Assicurazioni

2008-2011: Laurea in Economia Aziendale

**Lingue****Italiano** Madrelingua**Inglese**

| Comprensione |         | Parlato           |                  | Scritto |    |
|--------------|---------|-------------------|------------------|---------|----|
| Ascolto      | Lettura | Interazione orale | Produzione orale |         |    |
| B2           | B2      | B2                | B2               | B2      | B2 |

**Principali pubblicazioni  
scientifiche****Articoli in riviste internazionali con referaggio**

1. Dipierro, A.R., Toma, P. Corruption and its Relatives: Facing the Relationship Between Economic Health and Quality of Government. *Regional Studies, Regional Science*, 2025, 12(1), pp. 149–161. DOI: 10.1080/21681376.2025.2462082
2. Colamartino, C., Toma, P., Schiuma, G. Leveraging Intellectual Capital for Sustainable Innovation: A Spatial Analysis of Resilience in the Olive Oil Sector. *Journal of Intellectual Capital*, 2025. DOI: 10.1108/JIC-10-2024-0328
3. Dipierro, A.R., Barrionuevo, F.J., Toma, P. Predicting ESG Controversies in Banks Using Machine Learning Techniques. *Corporate Social Responsibility and Environmental Management*, 2025, 32(3), pp. 3525– 63544. DOI: 10.1002/csr.3146
4. Manta, F., Boscia, V., Conca, L., Borgia, M., Toma, P. The Impact of Bank Riskiness on the Quality of ESG Disclosure: Empirical Evidence from European Banks. *Business Strategy and the Environment*, 2025, 34(4), pp. 4206–4226. DOI: 10.1002/bse.4193
5. Toma, P., Laurens, P. Regional Development and Intellectual Capital: Unveiling the Innovation-Tradition Dilemma. *Socio-Economic Planning Sciences*, 2024, 96. DOI: 10.1016/j.seps.2024.102087
6. DeBenedetto, M.A., Giuranno, M.G., Mastromarco, C., Ravenda, D., Toma, P. Legality Rating and Corporate Efficiency: Evidence from a Conditional Nonparametric Frontier Analysis. *Empirical Economics*, 2024, 66(5), pp. 2137–2168. DOI: 10.1007/s00181-023-02511-w
7. Colamartino, C., Manta, F., Toma, P. NFTs for Certified Products: A Heritage to Protect on the “Table” of the Metaverse. *Applied Economics*, 2024. DOI: 10.1080/00036846.2024.2364095
8. Dipierro, A.R., Toma, P., Frittelli, M. Introducing ESG Controversies as the Polluting Factor of Banks’ Activity: A Nonparametric Efficiency Approach. *Journal of Economic Studies*, 2024. DOI: 10.1108/JES-02-2024-0080
9. Lin, A., Toma, P., Zhang, M., Fusco, G. The Green Development in China Through the Lens of Complex Cybernetics: Insight for a New Era. *Technological Forecasting and Social Change*, 2024, 208. DOI: 10.1016/j.techfore.2024.123657
10. Toma, P., Frittelli, M., Apergis, N. The Economic Sustainability of Optimizing Feedstock Imports with Environmental Constraints. *Socio-Economic Planning Sciences*, 2023. DOI: 10.1016/j.seps.2023.101581
11. Colamartino, C., Dipierro, A., Toma, P., Frittelli, M. What Lies Behind the Success of Italian GIs Products? Questioning Tradition in Consortia via Aggregated Conditional Efficiency. *Socio-Economic Planning Sciences*,



2023. DOI: 10.1016/j.seps.2023.101578

12. Fusco, G., Toma, P., Vecchio, Y. Efficiency, Gender Diversity and Public Aid: Evidence from Italian Agrifood Sector. *Applied Economics*, 2022.
13. Magazzino, C., Toma, P., Fusco, G., Valente, D., Petrosillo, I. Renewable Energy Consumption, Environmental Degradation and Economic Growth: The Greener the Richer? *Ecological Indicators*, 2022.
14. Manta, F., Morrone, D., Toma, P., Campobasso, F. Determining Paths of Innovation: The Role of Culture on the Adoption on Organic Farming Management. *Business Strategy and the Environment*, 2022.
15. Laurens, P., Toma, P., Schoen, A., Daraio, C., Larédo, P. How Does Internationalisation Affect the Productivity of R&D Activities in Large Innovative Firms? A Conditional Nonparametric Investigation. *Quality & Quantity*, 2022. DOI: 10.1007/s11135-022-01391-z
16. Toma, P., Stefanelli, V. What Are the Banks Doing in Managing Climate Risk? Empirical Evidence from a Position Map. *Ecological Economics*, 2022.
17. Toma, P., Manta, F., Morrone, D., Campobasso, F. Familiar Worldwide: How PDO Products Reflect Quality in Consumers' Appraisal and Behaviour. *TQM Journal*, 2022. DOI: 10.1108/TQM-07-2021-0216
18. Aihua, L., Miglietta, P.P., Toma, P. Did Carbon Emission Trading System Reduce Emissions in China? An Integrated Approach to Support Policy Modelling and Implementation. *Energy Systems*, 2021. DOI: 10.1007/s12667-021-00438-8
19. Viola, C., Toma, P., Manta, F., Benvenuto, M. The More You Know, the Better You Act? Institutional Communication in COVID-19 Crisis Management. *Technological Forecasting and Social Change*, 2021. DOI: 10.1016/j.techfore.2021.120929
20. Canaj, K., Mehmeti, A., Morrone, D., Toma, P., Todorović, M. Life Cycle-Based Evaluation of Environmental Impacts and External Costs of Treated Wastewater Reuse for Irrigation: A Case Study in Southern Italy. *Journal of Cleaner Production*, 2021. DOI: 10.1016/j.jclepro.2021.126142
21. Conca, L., Manta, F., Morrone, D., Toma, P. The Impact of the Direct ESG Reporting: Empirical Evidence in European Listed Companies in the Agri-Food Sector. *Business Strategy and the Environment*, 2021. DOI: 10.1002/bse.2672
22. Stefanelli, V., Boscia, V., Toma, P. Does Knowledge Translation Drive Spin-Offs Away from the Valley of Death? A Nonparametric Analysis to Support a Banking Perspective. *Management Decision*, 2020. DOI: 10.1108/MD-11-2019-1579
23. Gravili, G., Manta, F., Cristofaro, C.L., Reina, R., Toma, P. Value That Matters: Intellectual Capital and Big Data to Assess Performance in Healthcare. An Empirical Analysis on the European Context. *Journal of Intellectual Capital*, 2020. DOI: 10.1108/JIC-02-2020-0067



24. Toma, P., Miglietta, P.P., Morrone, D., Porrini, D. Environmental Risks and Efficiency Performances: The Vulnerability of Italian Forestry 8 Firms. Corporate Social Responsibility and Environmental Management, 2020. DOI: 10.1002/csr.2002
25. Toma, P. Size and Productivity: A Conditional Approach for Italian Pharmaceutical Sector. Journal of Productivity Analysis, 2020. DOI: 10.1007/s11123-020-00580-y
26. Manta, F., Tarulli, A., Morrone, D., Toma, P. Toward a Quadruple Bottom Line: Social Disclosure and Financial Performance in the Banking Sector. Sustainability, 2020. DOI: 10.3390/su12104038
27. Balezentis, T., Ribauskiene, E., Morkunas, M., Volkov, A., Streimikiene, D., Toma, P. Young Farmers' Support Under the Common Agricultural Policy and Sustainability of Rural Regions: Evidence from Lithuania. Land Use Policy, 2020. DOI: 10.1016/j.landusepol.2020.104542
28. La Scalia, G., Micale, R., Miglietta, P.P., Toma, P. Reducing Waste and Ecological Impacts Through a Sustainable and Efficient Management of Perishable Food Based on the Monte Carlo Simulation. Ecological Indicators, 2019, 97, pp. 363–371. DOI: 10.1016/j.ecolind.2018.10.041
29. Miglietta, P.P., Toma, P., Giove, S. An Optimization Framework for Supporting Decision Making in Biodiesel Feedstock Imports: Water Footprint vs. Import Costs. Ecological Indicators, 2018, 85, pp. 1231–1238. DOI: 10.1016/j.ecolind.2017.11.053
30. Valente, D., Miglietta, P.P., Toma, P., Zurlini, G., Petrosillo, I. A Non-Parametric Bootstrap-Data Envelopment Analysis Approach for Environmental Policy Planning and Management of Agricultural Efficiency in EU Countries. Ecological Indicators, 2017, 83, pp. 132–143. DOI: 10.1016/j.ecolind.2017.07.049
31. Lamastra, L., Miglietta, P.P., Toma, P., De Leo, F., Massari, S. Virtual Water Trade of Agri-Food Products: Evidence from Italian-Chinese Relations. Science of the Total Environment, 2017, 599–600, pp. 474–482. DOI: 10.1016/j.scitotenv.2017.04.146
32. Miglietta, P.P., Toma, P., Fanizzi, F.P., De Donno, A., Coluccia, B., Migoni, D., Bagordo, F., Serio, F. A Grey Water Footprint Assessment of Groundwater Chemical Pollution: Case Study in Salento (Southern Italy). Sustainability, 2017, 9(5), 799. DOI: 10.3390/su9050799
33. Pino, G., Miglietta, P.P., Toma, P., Rizzo, C., Peluso, A.M., Guido, G. Determinants of Farmers' Intention to Adopt Water Saving Measures: Evidence from Italy. Sustainability, 2017, 9(1), 77. DOI: 10.3390/su9010077
34. Miglietta, P.P., De Leo, F., Toma, P. Environmental Kuznets Curves and the Water Footprint: An Empirical Analysis. 9 Water and Environment Journal, 2017, 31(1), pp. 20–30. DOI: 10.1111/wej.12211