



## Biographical notes

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### Research profile IDs

Scopus Author ID: 55855599400 (N. of citations:890; h-index: 18)

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Resercherid/Publons: <https://publons.com/researcher/2493215/carlo-ingrao/>

Google scholar profile: <https://scholar.google.it/citations?user=pDTyIkAAAAJ&hl=it&oi=ao>  
(N. of citations: 1278; h-index: 22)

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Carlo Ingraio obtained a five-year (M.Sc.) degree in ‘Engineering for the Environment and the Territory’ at the University of Catania (Italy), in 2007. That year his academic research activity started with the attendance of the PhD course in ‘Geotechnical Engineering’ at University of Catania: he took the title in 2012.

Since 2013, he has been carrying out research under several collaboration contracts and grants, mainly at the Universities of Catania, Foggia, and Turin (Italy). In the year 2013-2014, he was a research fellow at the University of Foggia for collaboration to the research activity provided by the 7FP European project ‘Scientific and Technological Advancement in Research on Agroenergy’ (STAR\*Agroenergy). His commitment within the project was to perform application of Life Cycle Assessment (LCA) and related tools in biomass supply chains for energy generation. In 2017, he achieved the qualification for associate professorship in “Commodity Science”, according to the Italian University system

In February 2020, he received his second PhD: this time it was in ‘Civil Infrastructures for the Territory’ at the Faculty of Engineering and Architecture of the Kore University of Enna (Italy), working in the field of energy efficiency and sustainability of buildings and building materials.

Since June 2020, he has been holding a research grant at the Department of Engineering of University of Messina (Italy), working in the field of LCA application to material resource recovery.

Overall, his research activities and interests are mainly focussed upon the development of energy, environmental and economic assessments in the fields of: commodity science; industrial and environmental engineering; buildings; renewable energy; agriculture; and food production and packaging.

Within those themes, since 2013 he has authored and co-authored around sixty publications in international journals, book chapters and conference proceedings; and has given lots of lectures and seminars.

He is currently a member of the scientific boards of a series of international journals like 'Frontiers in Sustainability', 'Resources', 'Journal of Cleaner Production', 'Technical Issues', 'Management', and 'The Open Construction & Technology Journal'.

Finally, he was the Managing Guest Editor (MGE) of a virtual special issue: in 'Journal of Cleaner Production', regarding bio-economy and related aspects and research fields; and in 'Resources, Conservation and Recycling', on sustainability issues of by-product and waste management systems to produce building material commodities. Currently, he is serving as MGE again in the 'Journal of Cleaner Production', with a special issue on sustainability of circular-model based chemistry, and in other journals like: the 'International Journal of Life Cycle Assessment', on sustainability issues of innovation in packaging; and the MDPI-journal 'Resources', on life cycle sustainability analysis of resource recovery from waste management systems in a circular economy perspective. He is also serving as guest editor in two special issues: in 'Resources, Conservation and Recycling' for addressing circular economy indicators in the agrifood sector; and in 'Sustainable Energy Technologies and Assessments' on exploring relevant feasibility, efficiency and sustainability related issues of renewable energy applications in agriculture. Other guest-editor roles were in the MDPI-journals 'Energies' and 'Polymers', with special issues on: energy efficiency, socio-economic and environmental sustainability in buildings and civil works; and gas transport behaviour of polymeric films.