



Nicola d'Alessandro

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Address: Dep. Engineering and Geology, University G. d'Annunzio of Chieti-Pescara, via dei Vestini 31, 66100, Chieti, Italy (Work)

● GENERAL

Basic and applied research that has ranged from "Green Chemistry" to environmental catalysis up to touching topics like valorization of waste from the agro-industrial world, food chemistry and photochemistry

● WORKING EXPERIENCES

from 2005 to Current - University G. d'Annunzio of Chieti-Pescara, Chieti, Italy

ASSOCIATE PROFESSOR

from 09/1997 to 02/2005 - University G. d'Annunzio of Chieti-Pescara, Chieti, Italy

UNIVERSITY RESEARCHER

from 01/1997 to 08/1997 - University of Torino, Torino, Italy

UNIVERSITY RESEARCHER

from 09/1992 to 01/1997 - Istituto Sperimentale per la Elaiotecnica, Città Sant'Angelo, (PE), Italy

RESEARCH FELLOW

● EDUCATION

from 11/1988 to 10/1991 - Consortium of Universities Torino, Pavia and Genova, Pavia, Italy

PhD in CHEMICAL SCIENCE

PhD thesis in organic photochemistry: "Photochemical reaction between aromatic nitriles and benzylic donors". Part of the research work (6 months) was carried out to the Mariano Research laboratory at the University of Maryland investigating the single electron transfer reaction between cianoaromatics and aromatic donors (sylene and stannane)

from 11/1981 to 03/1987 - University of Pavia, Pavia, Italy

LAUREA DEGREE in CHEMISTRY

Thesis in organic photochemistry investigating the electron transfer reaction between electron aromatic acceptors like dicyanonaphthalene and electron donors like alkyl aromatic hydrocarbons

● MAIN SCIENTIFIC SKILLS

Green chemistry

Biomass valorization

Catalysis

Photochemistry

Food chemistry

Environmental chemistry

● LANGUAGES SKILLS

ITALIAN native

ENGLISH good

● FUNDED RESEARCH PROJECTS APPEARING AS PRINCIPAL INVESTIGATOR

2018 – 2023

Valorization of Agroindustrial Waste; Consorzio per l'Innovazione Tencologica, Qualità e Sicurezza degli Alimenti (ITQSA)

2023 – CURRENT

Switching from petro- to bio-based chemistry: deoxydehydration reaction as versatile tool for the production of olefins from natural polyols PRIN: PROGETTI DI RICERCA DI RILEVANTE INTERESSE NAZIONALE – Bando 2022

● BIBLIOMETRIC INDEXES

Number of publications	81
Number of publications in impacted journals	77
Number of publications in impacted journals: last 10 years	31
Number of publications in impacted journals: last 15 years	42
Covers in articles published in impacted journals	2
Book chapters	5
Total citations on Scopus (to March, 2025)	2,450
Total citations on Scopus: last 15 years (to March, 2025)	1,138
H_{index} on Scopus (to March, 2025)	30
H_{index} (15 year) on Scopus (to March, 2025)	16
Impact Factor (mean value of the impacted journals; starting from year 1997)	3.795

● SELECTION OF SOME REPRESENTATIVE PUBLICATIONS (n° 20)

1. F. Coccia, N. d'Alessandro, A. Mascitti, E. Colacino, L. Tonucci, *ChemCatChem*, **2024**, e202301672
 2. S. Pantalone, V. Verardo, E. Guerra-Hernandez, A. Zafra-Gomez, N. D'Alessandro, A.M. Gomez-Caravaca, *LWT - Food Sci. Technol.*, **2024**, 208, 116696
 3. F. Girardi, A. Mascitti, N. d'Alessandro, L. Tonucci, G.A. Marzo, R. Remetti, *Waste Biomass Valoriz.*, **2023**, 14, 1525–1538
 4. S. Pantalone, V. Verardo, A. Zafra-Gomez, E. Guerra-Hernandez, A. Cichelli, N. D'Alessandro, A.M. Gomez-Caravaca. *Food Control* **2023**, 150, 109771.
 5. F. Pietropaoli, S. Pantalone, A. Cichelli, N. d'Alessandro. *Food Additives Contam. A* **2022**, 39, 853-887
 6. L. Tonucci, A. Mascitti, A.M. Ferretti, F. Coccia, N. d'Alessandro, *Catalysts*, **2022**, 12,1206.
 7. S. Pantalone, L. Tonucci, A. Cichelli, L. Cerretani, A.M. Gomez-Caravaca, N. d'Alessandro, *J. Food Compos. Anal.*, **2021**, 95, 103682.
 8. G. Sciolì, L. Tonucci, P. Di Profio, A. Proto, R. Cucciniello, N. d'Alessandro, *Sust. Chem. Pharmacy*, **2020**, 17, 100273.
 9. G. Surricchio, L. Pompilio, A. Arizzi Novelli, E. Scamosci, L. Marinangeli, L. Tonucci, N. d'Alessandro, A.C. Tangari, *Sci. Total Environ.*, **2019**, 684, 445.
 10. M. Lupacchini, A. Mascitti, V. Canale, L. Tonucci, E. Colacino, M. Passacantando, A. Marrone, N. d'Alessandro, *Catal. Sci. Technol.*, **2019**, 9, 3036.
 11. M. Lupacchini, A. Mascitti, L. Tonucci, N. d'Alessandro, E. Colacino, C. Charnay, *ACS Sustainable Chem. Eng.*, **2018**, 6, 511.
 12. M. Lupacchini, A. Mascitti, G. Giachi, L. Tonucci, N. d'Alessandro, J. Martinez, E. Colacino, *Tetrahedron*, **2017**, 73, 609.
 13. P. Di Profio, V. Canale, N. d'Alessandro, R. Germani, A. Di Crescenzo, A. Fontana. *ACS Sust. Chem. Eng.* **2017**, 5, 1990-1997
 14. M. Morsella, N. d'Alessandro, A.E. Lanterna, J.C. Scaiano. *ACS Omega*, **2016**, 1, 464-469.
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15. V. Canale, R. Robinson, Jr., A. Zavras, G.N. Khairallah, N. d'Alessandro, B.F. Yates, R.A. J. O'Hair. *J. Phys. Chem. Lett.*, **2016**, 7, 1934–1938.
16. M. Morsella, M. Giammatteo, L. Arrizza, L. Tonucci, M. Bressan, N. d'Alessandro, *RSC Adv.*, **2015**, 5, 57453.
17. J.H. Schrittwieser, F. Coccia, S. Kara, B. Grischek, W. Kroutil, N. d'Alessandro, F. Hollmann. *Green Chem.*, **2013**, 15, 3318-3331.
18. F. Coccia, L. Tonucci, D. Bosco, M. Bressan, N. d'Alessandro. *Green Chem.* **2012**, 14, 1073-1078.
19. L. Tonucci, M. Nicastro, N. d'Alessandro, M. Bressan, P. D'Ambrosio, A. Morvillo. *Green Chem.* **2009**, 11, 816-820.
20. A. Sulpizio, A. Albin, N. d'Alessandro, E. Fasani, S. Pietra. *J. Am. Chem. Soc.* **1989**, 111, 5773-5777

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

Chieti, April 7th, 2025
