

Antonio ELIA
Curriculum vitae
Short

Titoli accademici:

Full Professor in vegetable, flower and ornamental crops

University of Foggia (DAFNE)

- Teaching and researching
Disciplinary and scientific sector: AGRI/02-B: Vegetable, flower and ornamental crops

Vice-director of the DAFNE-UNIFG Department

Ruolo universitario: Full professor

Settore scientifico-disciplinare: AGRI/02-B (Orticoltura e Floricoltura)

Dipartimento: Department of Agriculture, Food, Natural Resources and Engineering (DAFNE)

Indirizzo e-mail: antonio.elia@unifg.it

Impegni accademici e istituzionali:

- **2024 – to date** - Member of the Committee for the National Scientific Qualification of MUR for the applications in the years 2024 and 2025 in the scientific sector 07B1.
- **July (2023) to date** - Vice-director of the DAFNE-UNIFG Department
- **2019 – to date** – Delegate of the DAFNE Director for the Monitoring of the Research activities of the Department and VQR
- **October (2010) - June (2012)** - Member of the Academic Senate of the University of Foggia
- **2003 – (2009)** - Chair of the MS Course in Agricultural Science and Technology, Univ. of Foggia
- **2014 – to date** - Member of the Academic Board of the PhD Course in Innovation Management Systems in Agro-Food of the Mediterranean Regions
- **2007 – (2012)** - Chair of the Vegetable Crops Section of the Italian Society of Horticulture (SOI)
- **2015 – (2017)** - Member of the Expert Evaluator Group GEV07 for VQR (2011)-2014 ANVUR
- **2013 – (2014)** - Member of the Committee for the National Scientific Qualification of MIUR for the applications in the years (2012) and (2013) in the scientific sector 07B1.
- **2014 – (2016)** - Member of the Expert Evaluators Panel for evaluating PRIN research proposals.
- **May (2000)** - Member of the EC Expert Evaluators Panel for Key Action 5 for evaluating research proposals.

Formazione ed esperienze scientifiche e/o professionali

1979-1983 Degree in Agricultural Sciences (with the maximum of scores)

[University of Bari](#)

1984-2001 CNR Researcher

Institute of Vegetable Crops for Processing (ISOI), Italian National Research Council, Bari

- Researching in the field of preharvest and postharvest factors affecting the quality of vegetable crops for processing

2001-2005 Associate Professor in vegetable and ornamental crops

University of Foggia

- Teaching and researching
Disciplinary and scientific sector: AGR/04: Vegetable, flower and ornamental crops

Attuali interessi di ricerca

His main scientific interests are on: 1) vegetables mineral nutrition; 2) agronomical techniques for enhancing vegetable yield and quality; 3) sustainable vegetable production systems; 4) management of soilless systems under Mediterranean conditions; 5) protected cultivation; 6)

nursery plant production; 7) effect of mycorrhizal inoculation; 8) crop modelling and DSS development for managing irrigation and fertilization; 9) precision farming.

Recenti progetti finanziati

1. PRIN (2022) - BIOALTILIS (Role principal investigator)
2. PNNR Agritech – Spoke 6 – Task 6.1.2 Designing and validation of innovative indicators for defining new DSS adapted to different scenarios. (Role: DAFNE participant investigator for the Task)
3. ASSODAUNIA contract: Mitigating hollow stem disorder in broccoli and promoting sustainable irrigation and nitrogen management in processing tomato cultivation (Role: principal investigator)

Incarichi d'insegnamento dell'ultimo triennio

- ORTICOLTURA (Vegetable crops), 6 ECTS, STAGR 1st level
- COLTURE PROTETTE (Protected cultivations) 4 ECTS, Elective course chosen by the student
- AGRICOLTURA DI PRECISIONE IN ORTOFLORICOLTURA (Precision farming in vegetable and ornamental crops), 4 ECTS, Elective course chosen by the student
- PRECISION FARMING IN VEGETABLE AND ORNAMENTAL CROPS, 6 ECTS, STAGR 2nd level (Curriculum in English)

Principali pubblicazioni scientifiche dell'ultimo quinquennio (massimo 5)

1. Conversa G., Pacifico S., La Rotonda P., Lazzizzera C., Bonasia A., **Elia A.** (2024). Foliar application of natural zeolites affects the growth and productivity of processing tomato. *European Journal of Agronomy*, 154, 127100.
2. Conversa G., Botticella L., Lazzizzera C., Bonasia A., **Elia A.** (2024). Ecophysiological and nutritional characterisation of two morphotypes of *Cakile maritima* subsp. *maritima* Scop. from Puglia region, Southern Italy. *Frontiers in Plant Science*, 15, 1397852.
3. Zhang H., He L., Di Gioia F., Choi D., **Elia A.**, Heinemann P. (2022). LoRaWAN based internet of things (IoT) system for precision irrigation in plasticulture fresh-market tomato. *Smart Agricultural Technology*, 2, 100053.
4. Conversa G., Bonasia A., Lazzizzera C., La Rotonda P., **Elia A.** (2021). Reduction of Nitrate Content in Baby-Leaf Lettuce and *Cichorium endivia* Through the Soilless Cultivation System, Electrical Conductivity and Management of Nutrient Solution. *Frontiers in Plant Science*, 12, 645671.
5. Gallardo M., **Elia A.**, Thompson R.B., (2020). Decision support systems and models for aiding irrigation and nutrient management of vegetable crops. *Agricultural Water Management*. 106209.

Antonio Elia

**(Firma autografa sostituita a mezzo
stampa ai sensi dell'art.3, comma 2,
del D. Lgs. 39/1993")**