

PERSONAL INFORMATION

ROUPHAEL YOUSSEF



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Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input checked="" type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

From 2021 to present

Full Professor of Vegetable crops and Floriculture (SSD-AGR/04) at the Department of Agricultural Sciences, University of Naples Federico II, Portici, Italy..

From 2016 to 2021

Associate Professor of Vegetable crops and Floriculture (SSD-AGR/04) at the Department of Agricultural Sciences, University of Naples Federico II, Portici, Italy.

From 2014 to 2016

Assistant Professor of Vegetable crops and Floriculture (SSD-AGR/04) at the Department of Agricultural Sciences, University of Naples Federico II, Portici, Italy..

From 2008 to 2013

Researcher/Professor at the Department of Crop Production, Faculty of Agricultural Engineering and Veterinary Medicine Lebanese University, Dekwaneh-El Maten, Beirut, Lebanon.

EDUCATION AND TRAINING

2015

Visiting Scientist at the Leibniz Institute of Vegetable and Ornamental Crops Großbeeren/Erfurt (Germany).

2003

PhD in Horticulture, Department of Crop Production, University of Tuscia, Viterbo Italy. Dissertation title: Growing zucchini squash in closed soilless culture: substrates, irrigation methods, nutritional control and water management.

1996

Master of Science in Irrigation, Mediterranean Agronomic Institute of Bari, Italy. Dissertation title: Bilan d'azote d'une culture de tomate en relation avec la disposition du système d'irrigation.

1996

Post-Graduate Specialization Program (DSPU) on Land and Water Resources Management: Irrigated Agriculture, Mediterranean Agronomic Institute of Bari, Italy.
Agricultural Engineer, Faculty of Agronomy, University Holy-Spirit of Kaslik (USEK), Lebanon.

1995

PERSONAL SKILLS

Mother tongue(s)	Arabic
Other language(s)	ENGLISH, FRENCH AND ITALIAN
Job-related skills	The main research activity and interests of Youssef Rouphael focus on greenhouse crops with emphasis on the importance of pre-harvest factors to improve vegetable quality, plant nutrition, water and irrigation management, soilless production of vegetables and ornamentals in particular substrates, microgreens for space cultivation, role of vegetable grafting, beneficial microorganisms (arbuscular mycorrhizal fungi) and plant biostimulants in particular protein hydrolysate, seaweed extracts and microalgae in horticultural plants under optimal and sub-optimal stress conditions (drought, salinity and nutrient stress).
Digital skills	Excellent knowledge of Web Server, Solanaceae database server, and of the Microsoft Office software.

ADDITIONAL INFORMATION

- Publications**
- 1) Ciriello M., Formisano L., El Nakhel C., Corrado G., Rouphael Y. (2022). Biostimulatory Action of a Plant-Derived Protein Hydrolysate on Morphological Traits, Photosynthetic Parameters, and Mineral Composition of Two Basil Cultivars Grown Hydroponically under Variable Electrical Conductivity. *HORTICULTURAE*, vol. 8, ISSN: 2311-7524, doi: 10.3390/horticulturae8050409
 - 2) Rouphael Y., Carillo P., Garcia-Perez P., Cardarelli M., Senizza B., Miras-Moreno B., Colla G., Lucini L. (2022). Plant biostimulants from seaweeds or vegetal proteins enhance the salinity tolerance in greenhouse lettuce by modulating plant metabolism in a distinctive manner. *SCIENTIA HORTICULTURAE*, vol. 305, ISSN: 0304-4238, doi: 10.1016/j.scienta.2022.111368
 - 3) Rouphael Y., Carillo P., Cristofano F., Cardarelli M., Colla G. (2021). Effects of vegetal- versus animal-derived protein hydrolysate on sweet basil morpho-physiological and metabolic traits. *SCIENTIA HORTICULTURAE*, vol. 284, ISSN: 0304-4238, doi: 10.1016/j.scienta.2021.110123
 - 4) Rouphael Y., Colla G., Hoagland L., Giordano M., El Nakhel C., Cardarelli M. (2021). Vegetal-protein hydrolysates based microgranule enhances growth, mineral content, and quality traits of vegetable transplants. *SCIENTIA HORTICULTURAE*, vol. 290, ISSN: 0304-4238, doi: 10.1016/j.scienta.2021.110554
 - 5) Giordano M., El-Nakhel C., Caruso G., Cozzolino E., De Pascale S., Kyriacou M. C., Colla G., Rouphael Y. (2020). Stand-alone and combinatorial effects of plant-based biostimulants on the production and leaf quality of perennial wall rocket. *PLANTS*, vol. 9, p. 1-15, ISSN: 2223-7747, doi: 10.3390/plants9070922
 - 6) Rouphael Y., Colla G. (2020). Toward a sustainable agriculture through plant biostimulants: From experimental data to practical applications. *AGRONOMY*, vol. 10, ISSN: 2073-4395, doi: 10.3390/agronomy10101461
 - 7) Saia S., Aissa E., Luziatelli F., Ruzzi M., Colla G., Ficca A. G., Cardarelli M., Rouphael Y. (2020). Growth-promoting bacteria and arbuscular mycorrhizal fungi differentially benefit tomato and corn depending upon the supplied form of phosphorus. *MYCORRHIZA*, vol. 30, p. 133-147, ISSN: 0940-6360, doi: 10.1007/s00572-019-00927-w
 - 8) Chiaiese, Pasquale, Corrado, Giandomenico, Colla, Giuseppe, Kyriacou, Marios C., Rouphael, Youssef (2018). Renewable Sources of Plant Biostimulation: Microalgae as a Sustainable Means to Improve Crop Performance. *FRONTIERS IN PLANT SCIENCE*, vol. 9, p. 1-6, ISSN: 1664-462X, doi: 10.3389/fpls.2018.01782
 - 9) Luigi Lucini, Youssef Rouphael, Mariateresa Cardarelli, Paolo Bonini, Claudio Baddi, COLLA, GIUSEPPE (2018). A Vegetal Biopolymer-Based Biostimulant Promoted Root Growth in Melon While Triggering Brassinosteroids and Stress-Related Compounds. *FRONTIERS IN PLANT SCIENCE*, vol. 9, ISSN: 1664-462X, doi: 10.3389/fpls.2018.00472
 - 10) Nunzio Fiorentino, Valeria Ventorino, Sheridan L. Woo, Olimpia Pepe, DE ROSA, ARMANDO, Laura Gioia, Nadia Lombardi, Mauro Napolitano, Giuseppe Colla, Youssef Rouphael (2018). Trichoderma-based biostimulants modulate rhizosphere microbial populations and improve N uptake efficiency, yield, and
- Projects**
- Innovative rootstocks to enhance the yield and quality of horticultural productions and the effectiveness of the use of resources**
- ‘Microgreens x Microgravity’**
- ‘Use of Protein Hydrolysates as Biostimulants of vegetable crops: elucidating their mode of action and optimizing their effectiveness through a multidisciplinary approach (PHOBOS)’**