



Alice Peduzzi

Current Position SSD BIO/01 **Research Topics** Plant development in abiotic stress condition; Monocots morphology, cytohistology, metabolism; Oxidative stress on plant root system **Scientific Qualification (Scopus)** Hindex: 2; N. of publications: 5; Citation: 19

EDUCATION AND TRAINING

2022–CURRENT

PHD STUDENT IN ENVIRONMENTAL AND EVOLUTIONARY BIOLOGY–CURRICULUM IN BOTANY SAPIENZA Università di Roma, Laboratory of Morphogenesis and Differentiation

17/09/2024–22/12/2024

PHD TRIMESTER ABROAD JKIP-Joseph Gottlieb Kölreuter Institut für Pflanzenwissenschaften, KIT, Karlsruhe, Germany

2016–2018

MASTER DEGREE IN SCIENCE AND TECHNOLOGY FOR THE CONSERVATION OF CULTURAL HERITAGE, CUM LAUDE SAPIENZA Università di Roma

2017–2018

ERASMUS Universidad de Granada

2013–2016

BACHELOR DEGREE IN TECHNOLOGIES FOR CONSERVATION AND RESTORATION OF CULTURAL HERITAGE SAPIENZA Università di Roma

PUBLICATIONS

2024

Salt stress alters root meristem definition, vascular differentiation and metabolome in *Sorghum bicolor* (L.) genotypes

Peduzzi A., Piacentini D., Brasili E., Della Rovere F., Patriarca A., D'Angeli S., Altamura M.M., Falasca G., Environmental and Experimental Botany, 226

2024

Brassinosteroids sustain the root system plasticity by restoring auxin distribution in the rice root system altered by arsenite and arsenate

Piacentini D., Bellini C., Peduzzi A., Casentini B., Tiraboschi C., Cacciotti A., Altamura M.M., Falasca G., Della Rovere F., Plant Stress, 11

2022

Anti-Mold Effectiveness of a Green Emulsion Based on *Citrus aurantium* Hydrolate and *Cinnamomum zeylanicum* Essential Oil for the Modern Paintings Restoration

Di Vito M., Vergari L., Mariotti M., Proto M.R., Barbanti L., Garzoli S., Sanguinetti M., Sabatini L., Peduzzi A., Bellardi M.G., Mattarelli P., Bugli F., DeLuca D., Microorganisms, 10(2)

2022

Il Silenzio: The First Renaissance Oil Painting on Canvas from the Uffizi Museum Restored with a Safe, Green Antimicrobial Emulsion Based on *Citrus aurantium* var. *amara* Hydrolate and *Cinnamomum zeylanicum* Essential Oil

Minotti D., Vergari L., Proto M.R., Barbanti L., Garzoli S., Bugli F., Sanguinetti M., Sabatini L., Peduzzi A., Rosato R., Bellardi M.G., Mattarelli P., De Luca D., Di Vito M., Journal of Fungi, 8(2)

2021

Indagini non invasive e mini-invasive utili per approfondire la conoscenza della tavolozza del Capogrossi

Peduzzi A., Sammartino M.P., Visco G., Tarquini O., Barcelli S., Le opere di Giuseppe Capogrossi: Indagini, studi e restauri, Tabedizioni, 159-189

La fluorescenza dei raggi X sulle Superfici 207, 538 e 553 di Giuseppe Capogrossi

Tarquini O., Peduzzi A., Colapietro M., Le opere di Giuseppe Capogrossi: Indagini, studi e restauri, Tabedizioni, 143-157

2020

Cluster Analysis and other statistical data treatments used to evidence chromatic similarity among bricks for restoration and original roman bricks

Sammartino M.P., Peduzzi A., Dell'Aglio E., Visco G., Studies in Conservation, 65, 465-474

CONFERENCES

2024

Hormonal treatments to mitigate salt-stress effects on two commercial hybrids of Sorghum bicolor (L.) Moench: a comparison between IAA and eBL exogenous application effects

Peduzzi A., Della Rovere F., Piacentini D., Altamura M.M., Falasca G., presented at the Annual meeting of the SBI of Cellular and Molecular Biology, Biotechnology and differentiation working groups, Verona, 12-14 June 2024, Università di Verona

2023

Salt-stress, effects on the root system of two Sorghum bicolor (L.) Moench hybrids: morpho-functional, cytohistological and metabolomic analyses

Peduzzi A., Brasili E., Piacentini D., Della Rovere F., Patriarca A., Sciubba F., Altamura M.M., Falasca G., oral presentation at IX International Plant Science Conference (IPSC), 13-16 September 2023, Pisa

2023

The effects of salt-stress on Sorghum bicolor (L.) Moench root system: morpho-functional, cytohistological and metabolomic analyses

Peduzzi A., Brasili E., Piacentini D., Della Rovere F., Patriarca A., Sciubba F., Altamura M.M., Falasca G., presented at the Annual meeting of the SBI of Cellular and Molecular Biology, Biotechnology and differentiation working groups, Ancona, 21-23 June 2023, Università Politecnica delle Marche

2018

Role of the diagnostic tests in restoration and conservation of paintings on canvas and on wood

Partecipation as speaker to the V edition of the event ArteèScienza organized by Aiar association in the Galleria Nazionale di Arte Moderna, Rome, 1-2 December 2018, with two speeches and with the management of the workshop on Spectrophotocolorimeter and datalogger for microclimatic monitoring.

2016

Cluster Analysis to Discover Similarity Among Bricks for Restoration and Original Roman Age Bricks

Peduzzi A., Dell'Aglio E., Visco G., Sammartino M.P., Poster presented at CMA4CH 2016 Mediterraneum Meeting, Straight forward approach in Cultural Heritage and Environment studies–Multivariate Analysis and Chemometry 6th ed., Rome, 18-19 December 2016

PROJECTS

04/11/2024–CURRENT

Molecular characterization of osmotic balance related genes in Sorghum bicolor (L.) Moench under salt stress with and without 24-epibrassinilide treatments

Avvio alla ricerca, Bando per la Ricerca Scientifica 2024

HONOURS AND AWARDS

2023

Winner of a scholarship to participate to the IX International Plant Science Conference (IPSC), 13-16 September 2023, Pisa–Società Botanica Italiana

TEACHING EXPERIENCES

2022–CURRENT

Cotutoring for thesis for Food and Industrial Biotechnology bachelor degree, Environmental Monitoring and Recovery master degree students

2023

Tutoring in support of General Botany teaching for the students of Natural Science and Environmental Science bachelor degrees

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
SPANISH	C1	C1	B2	C1	B2
FRENCH	B1	B1	A2	A2	A2

DIGITAL SKILLS

Padronanza del Pacchetto Office (Word Excel PowerPoint ecc) | Software di analisi d'immagine ImageJ | RootNav1.8.1 | OPTIKA Proviewx64 | ZEN 2.3 lite (Zeiss) | Zen Zeiss Microscope Software | BioRadCFX96 | AdobePhotoshop

TECHNICAL SKILLS

Instruments

Ionic Chromatograph (IC-761, 761.010, Metrohm); Microtome (HM 350 SV, HM355S, Microm); Fluorescence microscope (DMRB, Leica; Axiophot, Zeiss); Spectrophotometer (UV/VISLambda15, Perkin-Elmer; UV-1280, Shimadzu; SpectroVisPlus, Vernier; CM2600d, Minolta); Realtime PCR (CFXconnect, CFXtouch, BioRad), Thermalcycler (T100,BioRad).

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

Ai fini della pubblicazione

29/01/25

f.to ALICE PEDUZZI