

#PHDAY2023



PROGAM

PHD DAY

PhD in "Science and Engineering for the
Environment and the Sustainability"

ENVIRONMENT AND SUSTAINABILITY

Friday, October 27th, 2023 Start 9:30

Session 1: ENGINEERING AND ENVIRONMENT

Session 2: SCIENCE AND ENVIRONMENT

it is also possible to participate on the TEAMS platform



TEAMS

UNIVERSITY OF CAMPANIA LUIGI VANVITELLI
Department of Engineering (AulaMagna)
Real Casa dell'Annunziata-
Via Roma 29, 81031 Aversa(CE)

PhD DAY 38° cycle – October 27th 2023
“Science and Engineering for the Environment and the Sustainability”
Topic: **ENVIRONMENT AND SUSTAINABILITY**

PROGRAM:

SESSION I – ENGINEERING AND ENVIRONMENT

- 09:30 – 09:50 ***Institutional greetings***
Alessandro Mandolini
Director of Department of Engineering, University of Campania “Luigi Vanvitelli”
- 09:50 – 10:20 ***Water and the three dimensions of sustainable development***
Felice d’Alessandro
Associate Professor of hydraulic structures, maritime engineering and hydrology “Università degli Studi di Milano”
- 10:30 ***Introduction to the Engineering and Environment session***
Moderator Erika Moliterno & Osvaldo Pecorari
PhD Student “University of Campania Luigi Vanvitelli”
- 10:40 ***Arumã - Innovative and sustainable biobased material from Amazon***
Iucana De Moraes Mouco
PhD student “University of Campania Luigi Vanvitelli”
- 10:50 ***Application of innovative technologies with bioplastic filaments into the manufacturing, traditional, handcraft system of Rione Sanità***
Iole Sarno
PhD Student “University of Campania Luigi Vanvitelli”
- 11:00 ***Beyond Fast Fashion, emerging paradigms for the future of fashion***
Michela Musto
PhD student “University of Campania Luigi Vanvitelli”
- 11:20 ***Coffee Break***
- 11:50 ***Sustainable process model for environmental upgrading of plexuses for secondary education***
Roberto Bosco
PhD student “University of Campania Luigi Vanvitelli”

- 12:00 ***Evaluating Various Remotely Sensed Soil Moisture Products for Landslide Risk Assessment: A Case Study of Cervinara Soil***
Abdullah
PhD student “University of Campania Luigi Vanvitelli”
- 12:10 ***Weather-induced post-failure kinematics of a highway embankment founded on a marly-sandstone slope***
Denise Manna
PhD student “University of Campania Luigi Vanvitelli”
- 12:20 ***Unearthing the (catastrophic) landslide triggering conditions: Geotechnical insights and Hydrological controls***
Daniel Camilo Roman Quintero
PhD student “University of Campania Luigi Vanvitelli”
- 12:30 ***PATH TO 2030: Road Transport Trajectories Towards Achieving the EU Fit for 55 Climate Package Goals by 2030***
Antonella Falango & Mariarosaria Picone
PhD students “University of Campania Luigi Vanvitelli”

Lunch Break

SESSION II - SCIENCE AND ENVIRONMENT

- 14:00-14:15 ***Institutional greetings***
Antonio Fiorentino
Director of Department of Environmental, Biological and Pharmaceutical Sciences and Technologies (DiSTABiF), University of Campania “Luigi Vanvitelli”
- 14:15-14:45 ***Ecological Transition and Scientific cooperation: challenges and opportunities.***
Roberto Danovaro
Full Professor of Ecology “Università Politecnica delle Marche”
- 14:45 ***Introduction to the Science and Environment session***
Moderator Concetta Auciello
PhD Student “University of Campania Luigi Vanvitelli”
- 15:00 ***Microbial- and seaweed-based biopolymers: sources, extractions and implications for soil quality improvement and environmental sustainability - a review with bibliometric profile.***
Waqas Ali
PhD student “University of Campania Luigi Vanvitelli”
- 15:10 ***Preserving the biodiversity of common beans in Caserta’s rural areas: biochemical and genetic traits of ‘Cerato’ and ‘Curniciello’ dry beans.***
Laura Alberico
PhD student “University of Campania Luigi Vanvitelli”

- 15:20 ***Effects of the addition of hydrochar on the soil in a greenhouse experiment.***
Teresa Di Santo
PhD student “University of Campania Luigi Vanvitelli”
- 15:30 ***Microbial biostimulants: an environmentally sustainable approach to boost the quality and safety of food crops.***
Giovanna Marta Fusco
PhD “University of Campania Luigi Vanvitelli”
- 15:40 ***Cost and benefit analysis of land management adaptation strategies in areas under desertification risk.***
Hafiz Khuzama Ishaq
PhD student “University of Campania Luigi Vanvitelli”
- 15:50 ***Alternative Chemical recycling: plastic waste gasification.***
Vincenzo Arconati
PhD student “University of Campania Luigi Vanvitelli”
- 16:00 ***Coffee Break***
- 16:30 ***Diving Deep: The Hidden World.***
Antonio Giova
PhD student “University of Messina”
- 16:40 ***How can Life Cycle Assessment support Waste Management Sector?***
Filomena Ardolino
RTDA “University of Campania Luigi Vanvitelli” (DISTABIF)
- 16:50 ***GIS and machine learning tools for groundwater resource management***
Gianluigi Busico
RTDB “University of Campania Luigi Vanvitelli” (DISTABIF)
- 17:00 ***Conclusions***
Diego Vicinanza
Full Professor of Coastal Engineering
Coordinator of Doctoral Program in Science and Engineering for the Environment and Sustainability

Organizing Committee: Dr Alberico Laura, Dr Auciello Concetta, Dr Di Santo Teresa, Dr Pierferdinando Lamberti, Dr Ing. Moliterno Erika, Dr Ing. Pecorari Osvaldo, Dr Ing. Manna Denise, Dr Mele Antonio, Dr Picone Mariarosaria, Dr Falanga Antonella.