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DEGLI STUDI DELLA
TUSCIA

DIPARTIMENTO
DI SCIENZE AGRARIE
E FORESTALI



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UNIVERSITÀ DEGLI STUDI
DI PERUGIA



SAPIENZA
UNIVERSITÀ DI ROMA

Nano Rome, 20-23 September
2022 Innovation
Conference & Exhibition

Nanotechnology in Agriculture

Summer School (30/6 – 1/07/2022)

1st Edition

Program

First day (30/06/22)

- Registration 8.30- 9.00
- Welcome Greetings 9.00-9.15
 - Prof. [G. M. Balestra](#), *Convener*, [University of Tuscia](#)
 - Prof. [D. Monarca](#), Head of Dep. of Agric. and Forest Sciences ([DAFNE](#))
 - Prof. [M. Rossi](#), [University of Rome La Sapienza](#), [NanoInnovation2022](#)
- I Session – Nanomaterials sustainable design 9.15-11.15
 - Prof. [S. Giovagnoli](#), [University of Perugia](#)
 - *Controlled release in nanoagrochemicals*
 - Prof. [G. Ciccarella](#), [University of Salento](#)
 - *Ecofriendly nanocarriers*
 - Prof. [S. Santra](#) and Dr. Jorge Pereira, [University of Central Florida](#)
 - *Improving bioavailability of nanomaterials in plant systems*

Coffee Break 11.15-11.45

- II Session – Advanced techniques for nanomaterials characterization 11.45-13.15
 - Prof. [L. Dini](#) and Dr. [S. Tacconi](#), [University of Rome La Sapienza](#)
 - *Microscopy techniques for visualizing nanomaterial in plant tissues*
 - Proff. [E. Camaioni](#) and [R. Vivani](#), [University of Perugia](#)
 - *Spectroscopy characterization of nanomaterials*

Light Lunch 13.15-14.15

- III Session – Nanomaterials application: Plant nutrition 14.15-15.45
 - Prof. [L. Marchiol, University of Udine](#)
 - *Agriculture sustainability. The role of engineered nanomaterials in plant nutrition*
 - Prof. [G. Fellet, University of Udine](#)
 - *Current knowledge and findings on Nanofertilizers*
- IV Session – Nanomaterials application: Wastes valorization 15.45-17.15
 - Dr. [E. Fortunati](#), PhD Researcher
 - *Nanocellulose from biomasses for innovative applications*
 - Prof. [M. Romagnoli, University of Tuscia](#)
 - *Lignin nanocarriers for smart delivering: recent trends and applications*
- Panel Discussion at Experimental Farm of University of Tuscia 17.30-18.30
 - Media, Journalists

Aperitif in Field 18.30

Second day (01/07/22)

- V Session – Nanomaterials application: Plant protection 9.00-11.00
 - Prof. [G. M. Balestra, University of Tuscia](#)
 - *Antimicrobial action mechanisms of nanomaterials*
 - Prof. [M. L. Paret, University of Florida](#)
 - *Considerations towards experimental planning for conducting studies using nanomaterials as plant protectants*
 - Prof. [L. De La Fuente, Auburn University](#)
 - *Nanoformulations for xylem pathogens: Xylella fastidiosa*

Coffee Break 11.00-11.30

- VI Session – Rules and risks of nanomaterials 11.30-13.00
 - Dr. [I. De Angelis, Italian National Institute of Health](#)
 - *Challenges and potential risks for human health of nanotechnologies in food sector*
 - Dr. [F. Benetti, Ecam Ricert](#)
 - *EU regulation of nanomaterials for environment, food, human health*

Light lunch 13.00-14.00

- VII Session – Interactions between nanomaterials and Environment 14.00-16.00
 - Dr. [S. Palleschi, Italian National Institute of Health](#)

- *Primary and secondary micro-nanoplastics: potential risk for human health and environment*
 - Prof. [T. Tosco, Polytechnic University of Turin](#)
 - *Nanopesticides to reduce the environmental impacts of agrochemicals*
 - Prof. [R. Sethi, Polytechnic University of Turin](#)
 - *Nanoparticles for the removal of contaminants from groundwaters*
- Greetings and Conclusions 16.00-16.30

Scientific Committee

- Prof. Giorgio M. Balestra (*Convener*)
- Prof. Stefano Giovagnoli
- Prof. Emidio Camaioni
- Prof. Marco Rossi

Organizing Committee

- Prof. Giorgio M. Balestra
- Dr. Daniele Schiavi
- Prof. Luciana Dini
- Dr. Cristina Gippa

Scientific Patronage



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Società Italiana di Patologia Vegetale
Italian Phytopathological Society

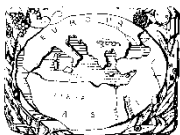
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