



UNIVERSITÀ
DEGLI STUDI DELLA
TUSCIA

DIPARTIMENTO
DI SCIENZE AGRARIE
E FORESTALI



A.D. 1808
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DIPARTIMENTO
DI SCIENZE FARMACEUTICHE



SAPIENZA
UNIVERSITÀ DI ROMA

Nano 2022 Innovation
Rome, 19-23 September
Conference & Exhibition

AULA MAGNA "G. GIOVANOZZI SERMANNI"
BLOCCO A - POLO DI AGRARIA

Nanotechnology in agriculture

Summer School

REGISTRATION | 8:30-9:00 AM

WELCOME GREETINGS | 9:00-9:15 AM

Prof. G. M. Balestra, convener (University of Tuscia)

Prof. D. Monarca, Head of Department of Agriculture and Forest Sciences

Prof. M. Rossi, NanoInnovation2022 (University of Rome "La Sapienza")

1ST SESSION "NANOMATERIALS SUSTAINABLE DESIGN" | 9:15-11:15 AM

Prof. S. Giovagnoli (University of Perugia) | *Controlled release in nanoagrochemicals*

Prof. G. Ciccarella (University of Salento) | *Ecofriendly nanocarriers*

Prof. S. Santra and Dr. J. Pereira (University of Central Florida) | *Improving bioavailability of nanomaterials in plant systems*

2ND SESSION "ADVANCED TECHNIQUES FOR NANOMATERIALS CHARACTERIZATION" |

11:45 AM-1:15 PM

Prof. L. Dini and Dr. S. Tacconi (University of Rome "La Sapienza") | *Microscopy techniques for visualizing nanomaterial in plant tissues*

Prof. E. Camaioni and R. Viviani (University of Perugia) | *Spectroscopy characterization of nanomaterials*

3RD SESSION "NANOMATERIALS APPLICATION: PLANT NUTRITION" | 2:15-3:45 PM

Prof. L. Marchiol (University of Udine) | *Agriculture sustainability: the role of engineered nanomaterials in plant nutrition*

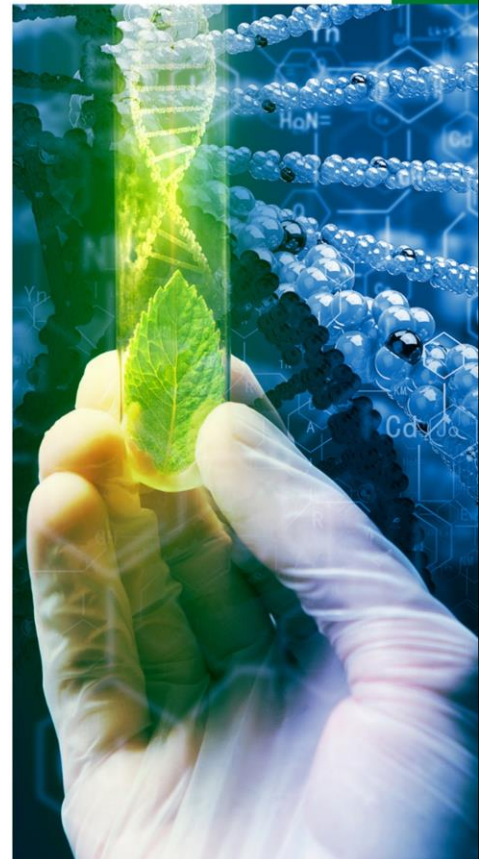
Prof. G. Fellet (University of Udine) | *Current knowledge and findings on nanofertilizers*

4TH SESSION "NANOMATERIALS APPLICATION: WASTES VALORIZATION" | 3:45-5:15 PM

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 | 5:30-6:30 PM



30TH JUNE 2022
START 9:00 AM

Info

nanoagrischool22@unitus.it



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1ST SESSION "NANOMATERIALS APPLICATION: PLANT PROTECTION" |
9:00-11:00 AM

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*

2ND SESSION "RULES AND RISKS OF NANOMATERIALS" | 11:30 AM-1:00 PM

Dr. I. De Angelis (Italian National Institute of Health) | *Challenges and potential risks for human health of nanotechnologies in food sector*

Prof. F. Benetti (Ecam Ricert) | *EU regulation of nanomaterials for environment, food, human health*

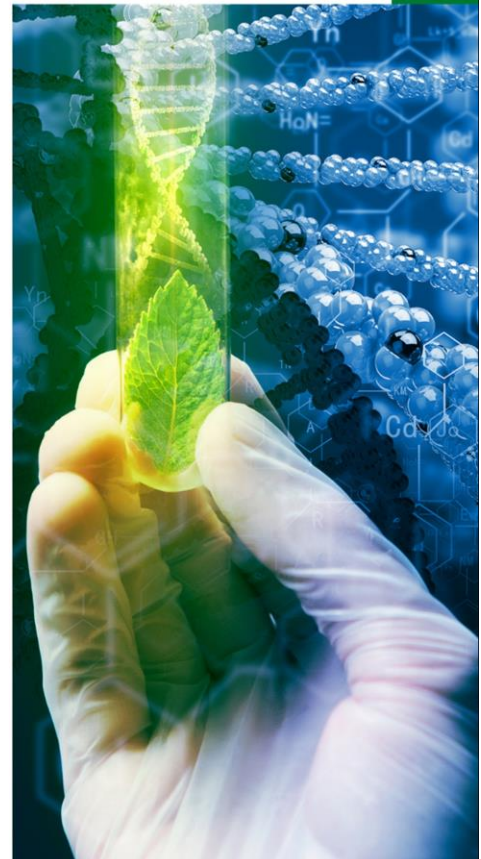
3RD SESSION "INTERACTIONS BETWEEN NANOMATERIALS AND ENVIRONMENT" | 2:00-4:00 PM

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 | 4:00-4:30 PM



1ST JULY 2022
START 9:00 AM

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