



DOTTORATO IN SCIENZE CHIMICHE E DEI MATERIALI

DOCTORAL SCHOOL IN CHEMISTRY AND MATERIAL SCIENCE

DIPARTIMENTO DI CHIMICA E CHIMICA INDUSTRIALE - UNIVERSITÀ DI PISA

Seminari di presentazione dei progetti di dottorato di allievi del 1° anno del 38° ciclo e seminari di passaggio dal 2° al 3° degli allievi del 37° ciclo di dottorato

Lunedì 16 ottobre 2023 ore 14.30 Aula 22

DARIO FRASSI (37° Ciclo)

Photochemistry of molecular switches based on spiropyran

Supervisore: Prof. Giovanni Granucci

LORENZO BONALDI (38° Ciclo)

Thermochemical and catalytic processes for the sustainable production of biofuels through biomass conversion.

Supervisors: Prof. Anna Maria Raspolli Galletti and Prof. Luca Rosi (Università di Firenze)

STEFANIA VOLANTE (38° Ciclo)

Energy storage devices: development and characterisation of components of new materials for batteries and supercapacitors aimed at solving safety and sustainability issues.

Supervisors: Prof. Claudia Antonetti and Dr. Domenico Licursi

FRANCESCA NICCOLAI (37° Ciclo)

Next generation polymeric proton-exchange membranes for redox flow batteries

Supervisore: Prof. Elisa Martinelli, Dott. Ilaria Pucher

ROSARIA LORÉ (37° Ciclo)

Total Green valorization of paper mill wastes through thermo-catalytic route from a circular economy perspective

Supervisor: Prof.ssa Claudia Antonetti, Prof.ssa Anna Maria Raspolli Galletti

MARCO ROLLO (37° Ciclo)

Acidic Deep Eutectic Solvents for the chemical recycling of plastic waste

Supervisor: Prof. Gianluca Ciancaleoni, Prof.ssa Elisa Martinelli

The seminars will have a duration of approximately 20 minutes (15 minutes for the presentation + 5 minutes for questions) for first and second-year doctoral students and 25 minutes (20 minutes for the presentation + 5 minutes for questions) for third-year doctoral students.



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Martedì 17 ottobre 2023 ore 14.30 Aula Magna

GIULIA CAROTI (37° Ciclo)

The chemistry of oil/protein mixtures as paint binders – the “tempera grassa”

Supervisor: Prof. Ilaria Bonaduce, Prof. Celia Duce

ADELE FERRETTI (37° Ciclo)

Multi-analytical approach for the identification and characterization of historical and modern inks

Supervisore Prof. Ilaria Degano

GRETA BIALE (37° Ciclo)

Study of the fate and interactions of microplastics and nanoplastics in the environment

Supervisor: Prof. Francesca Modugno, Dr. Jacopo La Nasa

ZAHRAALSADAT YOUSEFNIAJEJAHROMI (37° Ciclo)

Development of new amplification-free biosensing strategies for nucleic acids detection

Supervisore: Prof. Fabio Di Francesco

ELISABETTA ROSADONI (37° Ciclo)

C-H bonds activation of N-containing heterocycles

Supervisore: Prof. Fabio Bellina

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Mercoledì 18 ottobre 2023 ore 14.30 in modalità on line https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZjA3YTl3NmUtNGU0ZC00OTVmLWFiZDktNzA5NzRmZjk0MjFk%40thread.v2/0?content=%7b%22id%22%3a%22c7456b31-a220-47f5-be52-473828670aa1%22%2c%22oid%22%3a%22d10ab6ca-87fb-43bf-9284-ddff5868b7eb%22%7d

MICHELE PIERIGÉ (37° Ciclo)

Enabling technologies for the introduction of sustainable materials in rubber formulation: characterization of elastomeric materials by NMR spectroscopy and NMR relaxometry

Supervisor: Prof. Marco Geppi, Dott.ssa Francesca Martini

ALBERTO PICCHI (37° Ciclo)

Luminescent Solar Concentrators based on recycled poly(methyl methacrylate)

Supervisore: Prof. Andrea Pucci

LAURA SPAGNUOLO (37° Ciclo)

Extraction of cellulose nanocrystals or nanofibers from waste lignocellulosic biomass with potential protective properties for textile and/or bio-composite applications.

Supervisore: Prof.ssa Alessandra Operamolla

ANGELA GILDA CAROTA (37° Ciclo)

Biosensor for the detection of pathogens and the assessment of water quality

Supervisor: Prof. Fabio Di Francesco e Arianna Tavanti

FABIANA CORDELLA (37° Ciclo)

Design and sustainable synthesis of new green materials for biomedical applications

Supervisore: Prof. Gaetano Angelici

CHAIRA SAVIOZZI (37° Ciclo)

Tuning the redox activity of anticancer diiron complexes via derivatization of bridging hydrocarbyl ligands

Supervisore: Prof. Fabio Marchetti

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Seminari di passaggio dal 2° al 3° degli allievi del 37° ciclo e seminari di conclusione del 3° anno di allievi del 36° ciclo di dottorato

Giovedì 19 ottobre 2023 ore 14.30 Aula 22

ELISA ROSSI (37° Ciclo)

Experimental and theoretical studies on storage and utilization of carbon dioxide

Supervisore: Prof. Gianluca Ciancaleoni

ELISA DELLA LATTA (37° Ciclo)

Study of porous materials for gas separation and storage by solid-state NMR

Supervisori: Prof. Marco Geppi, Dr. Francesca Martini

ANDREA SCARPERI (37° Ciclo)

Solid state NMR spectroscopy for 'in operando' studies of photoactive materials for renewable energy

Supervisori: Prof. Marco Geppi, Dr. Silvia Borsacchi

MARIA ANTONIETTA CARPENTIERI (36° CICLO)

A new experimental/historical/interactive blended approach for introduction of fundamentals of Chemistry through Spectroscopy

Supervisor: Prof. Valentina Domenici

ANANTHAKRISHNAN MOHAN (36° CICLO)

Rational design of transparent conductive oxide nanocrystals for high performance magnetoplasmonics.

Supervisor: Francesco Pineider

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