



Chimica Verde

Energie Rinnovabili

Salute

Materiali

Modelling

Beni Culturali

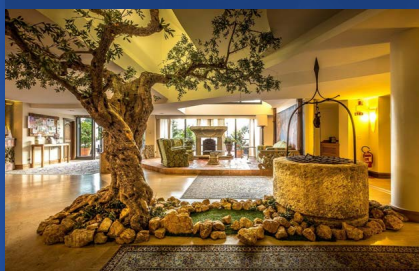
PROGRAMMA

CONFERENZA DI DIPARTIMENTO 2018

DS&TM

Department of Chemical Sciences and Materials Technology

24-25-26 SETTEMBRE
ASSISI
GRAND HOTEL ASSISI



Organizzazione Giornate di Dipartimento 2018 24-25-26 Settembre, Assisi

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Maurizio Peruzzini
Maria Luisa Pompili
Paola Rizzarelli
Alessandra Sanson



PROGRAMMA

24 settembre 2018

13.30 - 14.30

Registrazione

14.30 - 14.40

INTRODUZIONE
Dr. Maurizio Peruzzini

Direttore Dipartimento di Scienze Chimiche e Tecnologie dei Materiali



Chimica Verde

14.40 - 14.45

Chair - Dr. Mauro Marchetti (ICB-CNR) & Dr. Alessandro Mordini (ICCOM-CNR)

14.45 - 15.05

A paper-based algal biosensor for nanoatrazine optical detection Scognamiglio Viviana - IC

15.05 - 15.25

A coordination-driven triangle as nanoreactor Rancan Marzio - ICMATE

15.25 - 15.45

 β -Cyclodextrin inclusion complexes of natural occurring compounds and their evaluation as insect repellents in a push-pull strategy Delogu Giovanna - ICB

15.45 - 16.05

Green Analytical Chemistry (GAC) at ICCOM: the role of analytical methodology development Bramanti Emilia - ICCOM

16.05 - 16.25

Permeation of Light Gases through Zeolite Membranes Barbieri Giuseppe - ITM

16.25 - 16.45

Micro-engineered capsules: a powerful tool in green chemistry Costa Anna - ISTECC

16.45 - 17.15

Coffee Break

17.15 - 17.45

Invited Lecture - Dr. Nicola Armaroli (ISOF-CNR)
Chemistry and the Great Energy Transition

Chimica per l'Energia Rinnovabile

17.45 - 17.50

Chair - Dr. Alessandra Sanson (ISTEC-CNR) & Dr. Alessandro Mordini (ICCOM-CNR)

17.50 - 18.10

Organic Components of Perovskite Solar Cells Orlandi Simonetta - ISTM

18.10 - 18.30

Catalysts 2.0: a New Technology at the Forefront of Processes at the Heart of Renewable Energy Technology Giambastiani Giuliano - ICCOM



18.30 - 18.50 Supported Pd and Pd-Au Membranes for Hydrogen Generation and Purification Iulianelli Adolfo - ITM

18.50 - 19.10 Keynote Lecture - **Dr. Armida Torreggiani** (ISOF-CNR)
There isn't any science without communication: collaborative dialogue between research and school

19.10 - 20.00 Sessione Poster

20.00 Apericena

21.00 Riunione Giunta - Direttori



25 settembre 2018



Materiali Avanzati

08.30 - 08.35	Chair - Dr. Maria Lucia Curri (IPCF-CNR) & Dr. Alessandra Sanson (ISTEC-CNR)	
08.35 - 08.55	New anti-fraud method: the proteomic technique applied to the identification of luxury animal fibers	Tonetti Cinzia - ISMAC
08.55 - 09.15	Thiazole and Pyrazole-based Metal-Organic Frameworks for Gas Storage and Catalysis	Rossin Andrea - ICCOM
09.15 - 09.35	Bio-hybrid Nanostructured Cellulose Membranes as Functional Tools for Bio-separation and Bio-recognition Applications	Militano Francesca - ITM
09.35 - 09.55	From Tailored Molecules to Advanced Nanomaterials and Devices: Surface Protection, Light Absorption and NIR-Emission	Bossi Alberto - ISTM
09.55 - 10.15	Development and Application of an Analytical Method to Determine Polyethylene in Compostable Carrier Bags	Rizzarelli Paola - IPCB
10.15 - 10.35	Microstructure, wettability and surface reactivity of AlSiMg system used in additive manufacturing.	Bassani Paola - ICMATE
10.35 - 10.55	Smart amphiphobic surfaces for challenging industrial applications	Blosi Magda - ISTEC

10.55 - 11.35 Coffee break



Modeling Computazionale

11.35 - 11.40	Chair - Dr. Filippo De Angelis (ISTM-CNR)	
11.40 - 12.00	Advanced Methods and Software for the Characterization Crystalline Materials by Powder Diffraction Data	Corriero Nicola - IC
12.00 - 12.20	Exploiting Quantum Phenomena to Design Electron Transport in Nanojunctions	Trioni Mario I. - ISTM
12.20 - 12.40	Computational Multi-Scale Modeling of Metal Oxide Nano-Particles and Surfaces	Barcaro Giovanni - IPCF

12.40 - 13.10 Invited Lecture - Prof. Luigi Nicolais (Materias S.r.L)
The Evolution of University-Industry Relationship



13.10 - 14.30 Pranzo



Chimica per i Beni Culturali

14.30 - 14.35 **Chair - Dr. Costanza Miliani (ISTM-CNR)**

14.35 - 15.05 **Invited Lecture- Prof. Antonio Sgamellotti (Univ. Perugia)**
Chemistry for Art: a non-invasive in situ approach by MOLAB

15.05 - 15.25 Low cost, disposable and self-sustainable paper-based platforms for SERS analysis applied to the study of natural dyes **Campanella Beatrice - ICCOM**

15.25 - 15.45 Non-invasive investigations on Max Ernst's masterpieces: materials, painting technique and alterations products **Nodari Luca - ICMATE**

15.45 - 16.05 Assessment of weathering steel corrosion inhibition in NaCl solution by the natural extract of *Brassica Campestris* **Casaletto Maria Pia - ISMN**

16.05 - 16.35 **Keynote Lecture Dr. Rinaldo Psaro (ISTM-CNR)**
Materials Science and Art

16.35 - 17.15 Coffee Break



17.15 - 17.20 **Chair - Dr. Giuseppe Palmieri (ICB-CNR) & Dr. Dorian Lamba (IC-CNR)**

17.20 - 17.40 Creating neurodegenerative diseased tissue model in a membrane bioreactor **De Bartolo Loredana - ITM**

17.40 - 18.00 Mass spectrometry proteomic platforms: discovering molecular signatures in clinical proteomics studies **Desiderio Claudia - ICRM**

18.00 - 18.20 New Molecules for Drug Discovery by Screening Platform of Marine Natural Products **Nuzzo Genoveffa - ICB**

18.20 - 18.40 Effects of Prion Protein on β -Amyloid Peptides Oligomerization and Toxicity **Pagano Katuscia - ISMAC**

18.40 - 19.00 Toward Personalized Medicine: RGD-Peptide as Scaffold for the Comprehension of Structural Determinants for Integrin Specific Recognition **Saviano Michele - IC**

19.00 - 19.20 Nanophotosensitisers based on cyclodextrin for bio-imaging and PDT **Mazzaglia Antonio - ISMN**

19.20 - 20.00 Sessione Poster

20.30 Cena Sociale



26 settembre 2018

08.45 - 09.00	Premiazioni & Presentazioni YIA 2018
09.00 - 09.30	Chimica Verde: Guerriero Antonella - ICCOM
09.30 - 10.00	Chimica per l'Energia Rinnovabile: Gondolini Angela - ISTECE
10.00 - 10.30	Chimica per la Salute e le Scienze della Vita: Posati Tamara - ISOFA
10.30 - 11.00	Coffee Break
11.00 - 11.30	Materiali Avanzati: Silvestroni Laura - ISTECE
11.30 - 12.00	Modeling Computazionale: Mosconi Edoardo - ISTM
12.00 - 12.30	Chimica per i Beni Culturali: Giuliani Chiara - ISMN
12.30 - 12.45	Menzioni d'Onore YIA2018 & Premiazioni Posters Chimica Verde: Balzarelli Fabio - ITM; Chimica per l'Energia Rinnovabile: Bossola Filippo - ISTM; Chimica per la Salute e le Scienze della Vita: Panseri Silvia - ISTECE; Materiali Avanzati: Biffi Carlo Alberto - ICMATE; Modeling Computazionale: Rinaldi Silvia - ICRM; Chimica per i Beni Culturali: Campanella Beatrice - ICCOM
12.45 - 13.00	Contributed Presentation - Dr. Mario Malinconico (IPCB-CNR) <i>2019: 100 years of IUPAC and 150 years of the Periodic Table of Chemical Elements</i>
13.00 - 13.30	DISCUSSIONE PLENARIA & CONCLUSIONI Dr. Maurizio Peruzzini Direttore Dipartimento di Scienze Chimiche e Tecnologie dei Materiali
13.30 - 14.30	Pranzo
15.00 - 17.30	Visita Basilica di Assisi

