

CONFERENZA DI DIPARTIMENTO

13-14-15 Dicembre, 2021

ROMA

AULA MARCONI



DSCTM

Dipartimento Scienze Chimiche e Tecnologie dei Materiali

CON PARTECIPAZIONE ONLINE

Giornate di Dipartimento 13-14-15 Dicembre, 2021 Aula Marconi - CNR - Roma

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Francesco Verginelli

PROGRAMMA

Lunedì 13 Dicembre 2021

13.30 – 14.30

Arrivo e Registrazione dei partecipanti

14.30 – 14.50

Opening Remarks

Maria Chiara Carrozza – Presidente CNR

Lidia Armelao – Direttore DSCTM

Session 1 - CHAIR: Alberto Figoli

14.50 – 15.30

**Claudio Pettinari – Componente Consiglio Scientifico
DSCTM**

MOFs: Materials of Future

15.30 – 15.55

Giuseppe Cassone – IPCF Messina

Computational approaches to the study of prebiotic chemistry

15.55 – 16.20

Marco Bellini – ICCOM Firenze

Nanotechnology in electrocatalysis for energy: fuel cells and electrolyzers

16.20 – 16.50

Coffee break @ The Apartment Bar

Session 2 - CHAIR: Cinzia Giannini

16.50 – 17.15

Chiara Ingrosso – IPCF Bari

Multifunctional hybrid nanocomposites based on graphene derivatives and inorganic colloidal nanoparticles for advanced applications

17.15 – 17.40

Silvia Borsacchi – ICCOM Pisa

Solid State NMR: an investigation and innovation tool for materials science and technology

- 17.40 – 18.05 **Fabrizio Valenza – ICMATE Genova**
Liquid metal and metal – ceramic systems: wetting, interfacial phenomena and applications
- 18.05 – 18.30 **Valeria La Parola – ISMN Palermo**
Methane reforming: from CO₂ utilization to H₂ production for environmental sustainability

Martedì 14 Dicembre 2021

Sessione 3 - CHAIRS: Salvatore Iannace, Vincenzo Palermo

- 09.00 – 09.25 **Federica Zaccheria – SCITEC Milano**
Styrene-free biobased resins: an example of the sustainable approach at SCITEC
- 09.25 – 09.50 **Letizia Verdolotti – IPCB Portici**
Polymeric foams from renewable feedstock: a roadmap towards a sustainable circular bio-economy
- 09.50 – 10.30 **Gabriella Santagata – IPCB Napoli**
In memory of Mario Malinconico: friendship, mentoring and science
- 10.30 – 10.45 **Maurizio Peruzzini – Presidente della Commissione CNR in IUPAC**
The contribution of Mario Malinconico to the International Union for Pure and Applied Chemistry and the International Science Council
- 10.45 – 11.15 *Coffee break @ Caffè Leonardi*

Sessione 4 - CHAIRS: Luigi Ambrosio, Antonio Rizzo

- 11.15 – 11.55 **Luigi Nicolais – Consulente per le politiche della ricerca del Ministro MUR**
Nuove opportunità del PNRR

- 11.55 – 12.20 **Valentina Benfenati – ISOF Bologna**
Graphene oxide electrodes enables electrical stimulation of distinct calcium signalling in brain astrocytes
- 12.20 – 13.00 **Francesco Luca Basile – Università di Bologna**
La chimica nelle linee strategiche della prossima programmazione europea per la transizione ecologica
- 13.00 – 14.30 *Pranzo @ The Apartment Bar*

Sessione 5 - CHAIRS: Francesco Vizza, Michele Muccini

- 14.30 – 14.55 **Enrico Verlato – ICMATE Padova**
An electrochemical approach to CO₂ “recycling”
- 14.55 – 15.20 **Marina Cretich – SCITEC Milano**
The chemistry for life science at SCITEC: the case study of Extracellular Vesicles for precision medicine
- 15.20 – 15.45 **Gerardo Grasso – ISMN Roma**
Sensors-driven integrated systems for early identification of risk factors in the environment and in agricultural and zootechnical productions
- 15.45 – 16.10 **Danilo Milardi – IC Catania**
Proteostasis and Alzheimer’s disease: a chemical approach
- 16.10 – 16.40 *Coffe break @ The Apartment Bar*

Sessione 6 - CHAIR: Angelo Fontana

- 16.40 – 17.05 **Lidietta Giorno – ITM Rende**
Enzyme-loaded membrane reactor for selective degradation of pesticide in complex vegetal matrixes

17.05 – 17.30	Maurizio Solinas – ICB Sassari Sustainable organic synthesis: some examples
17.30 – 17.55	Grazia Maria Letizia Consoli – ICB Catania Design, development and biomedical applications of a versatile drug delivery system
17.55 – 18.20	Sabrina Carroccio – IPCB Catania From proof of concept to a prototype: the long pathway of CrioPurA to achieve TRL 7
18.20 – 18.45	Alessio Fuoco – ITM Rende Innovative membrane materials for CO ₂ capture and H ₂ purification
20.00	<i>Social Dinner @ da Franco ar Vicoletto</i>

Mercoledì 15 Dicembre 2021

Sessione 7 - CHAIR: Alessandra Sanson

09.15 – 09.40	Monica Favaro, Emiliano Pulvirenti Unità dipartimentale di valorizzazione della ricerca: <i>cui prodest?</i>
09.40 – 10.05	Anna Grazia Moliterni – IC Bari Exploring the amazing world of perovskites by the powerful lens of crystallography
10.05 – 10.30	Anna Costa – ISTEC Faenza Safe and Sustainable-by-design nanomanufacturing
10.30 – 10.55	Laura Cartechini – SCITEC Perugia Chemical sciences and technologies of materials for cultural heritage: current research activities

10.55 – 11.25

Coffee break @ Caffè Leonardi

Sessione 8 - CHAIR: Vincenzo Buscaglia

11.25 – 11.50

Federico Veronesi – ISTEC Faenza

Coatings for wetting control and their applications in marine environments

11.50 – 12.15

Francesco Mercuri – ISMN Bologna

Artificial intelligence for chemical sciences and materials technologies

12.15 – 12.40

Tamara Posati – ISOF Bologna

Eco-sustainable silk fibroin/pomegranate peel extract film as innovative green material for skin repair

12.40 – 13.00

Closing remarks, announcement of 2022 DSCTM conference location