

## Seminars organized in the frame of the PhD Program in Sustainable Chemistry in 2024

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### **1. Dr. Adriano Pistilli** *Responsabile Tecnico Gestione Rifiuti*

Siti contaminate e bonifiche ecocompatibili

Webinar: January 22nd, 2024 from 9.30 a.m. to 12.30 p.m.

Organizer:

### **2. Dr. Thomas Len**, *Universidad de Cordoba (Spain)*

Design of nanomaterials for the conversion of CO<sub>2</sub> into methanol.

February 13<sup>th</sup>, 2024 at 2.00 p.m., Conference Room "Orio Zanetto"

Organizer: Dr. Daily Rodriguez Padron

### **3. Prof. Andreia Fernandes de Sousa**, *Assistant Researcher, CICECO - Aveiro Institute of Materials, Department of Chemistry, University of Aveiro (Portugal)*

Bioplastics Revolution: biobased polymers, circular economy, and the future of sustainable materials

February 05<sup>th</sup>, 2024 at 12:00 p.m. Conference Room "Orio Zanetto"

Organizer:

### **4. Prof. Davide Staedler** *University of Lausanne Faculty of Biology and Medicine*, How to distinguish between science and pseudoscience? A brief essay on scientific truth

March 07<sup>th</sup>, 2024 at 12.15 p.m. Conference Room "Orio Zanetto"

Organizer: Prof. Michela Signoretto

### **5. Prof. Luiz Roberto Evangelista**, *Università di Maringà (Brasile) - Visiting Scholar at DSMN*

- La Scoperta della Conservazione dell'Energia
- La Macchina del Mondo – Dal Meccanicismo alla Seconda Legge della Termodinamica
- MASSA-ENERGIA – Einstein, la relatività e l'energia racchiusa nella materia,
- Riflessioni sulla realtà quantistica: L'entanglement
- Fisica e Poesia: Rappresentazioni del Reale?

May 2024

### **6. Dr. César DeJulian Fernandez**, *Researcher, Istituto dei Materiali per l'Elettronica e il Magnetismo- CNR (Italy)*

Sustainable replacements for rare-earth and critical resource elements in magnetic materials

May 14th, 2024 at 12.15 am. Room Delta 1A

Organizer: Prof. Robert Pullar

**7. Dr. Lucian Lucia**, *North Carolina State University (USA)*

A 'Bird Nest' Bioinspired Strategy Deployed for Inducing Biopolymer Gelation

May, to be defined

Organizer: Prof. Claudia Crestini

**8. Prof. Silvia Gross**, *Università di Padova (Italy)*

Title: Exploring the chemical parameters space: rational and sustainable low-temperature design of inorganic materials for environmental applications

June 14th at 11.00 a.m. in.Conference Room

Organizer: Prof. Elisa Moretti

**9. Prof. Ania Conchi**, *CNRS Orléans (France)*

Title: **to be determined**

Organizer: Prof. Elisa Moretti

**10. Prof. James F. Rusling**, *University of Connecticut (USA) - Visiting Scholar at DSMN*

- Arrays for low cost detection of RNA, protein and peptide biomarkers for cancer and other diseases.
- Biocatalysis approaches for regio- and stereoselective chemical syntheses

May 16 and 21, 2024 at 11.00 a.m. Conference Room

Organizer: Prof. Federico Polo

**11. Prof. Giovanni Valenti**, *University of Bologna (Italy)*

Electrochemiluminescence-based biosensor: from academic curiosity to an industrial success

July, 01, 2024 Conference Room

Organizer: Prof. Federico Polo

12. Prof. Rossella De Marco, *University of Udine (Italy)*

Title: Peptide-based next-generation drugs and medicinal chemistry

June 30th , 2024 at 11:00 a.m. Conference Room

Organizer: Prof. Federico Polo

**13. Prof. Sara Bonacchi**, *University of Padova (Italy)*

Atomically Precise Metal Nanoclusters: Insights into their photoluminescence properties and catalytic activities.

To be defined

Organizer: Prof. Federico Polo

**14. Prof. Stefano Casalini, *University of Padova (Italy)***

Title Looking at more sustainable development of liquid-gated transistors based on water-dispersible graphene derivatives

May 28th, 2024 at 11:00 a/p.m. Conference Room

Organizer: Prof. Federico Polo

**15. Prof. Francesco Paolucci, *University of Bologna (Italy)***

Title: to be determined

July, 2024

Organizer: Prof. Federico Polo