



10<sup>TH</sup> EUROPEAN CONGRESS ON

# ADVANCED NANOTECHNOLOGY AND NANOMATERIALS

**April 14-15, 2025**

H10 Roma Città, Rome, Italy

**Theme:** *“Advanced Characterization Techniques in Nanomaterials  
and Nanotechnology”*

<https://nanomaterialsconference.com/>

| Presentations                  |   |
|--------------------------------|---|
| <b>Presentation</b>            | On an Over-Physical-Scales Unfolding Derivation of the Nanoscale Ultralow Coefficient of Friction   |
|                                | <b>Adam Gadomski, Bydgoszcz University of Science and Technology, Poland</b>  |
| <b>Presentation</b>            | Unsupervised Learning Approach to Wave-Packet Dynamics from Coupled Temporal-Spatial Correlations and Its Generative Extension  |
|                                | <b>Adva Baratz, Weizmann Institute of Science, Israel</b>   |
| <b>Presentation</b>            | Multi-Responsive Nanohybrid Systems for Controlled Drug Delivery, Experimental and Computational Study  |
|                                | <b>Giuseppe Forte, University of Catania, Italy</b>   |
| <b>Presentation</b>            | Metformin-Loaded Nanoparticles Reduce Hyperglycemia-Associated Oxidative Stress and Induce eNOS Phosphorylation in Vascular Endothelial Cells.                        |
|                                | <b>Haissam Abou-Saleh, Qatar University, Qatar</b>  |
| <b>Presentation</b>            | The Influence of Gelatin Type and Processing Conditions on Gelatin Nanoparticle Properties  |
|                                | <b>Jos Olijve, Rousselot BV, Belgium</b>  |
| <b>Keynote Slots Available</b> |   |
| <b>Presentation</b>            | Atomic end electronic structure of the Au/Ru(0001) adsorption system – the effect of van der Waals interaction on geometrical and energetic properties of Au ad-layer |
|                                | <b>Leszek Jurczyszyn, University of Wrocław, Poland</b>   |
| <b>Presentation</b>            | Nimesulide Containing Dimethoxy Benzamide: From Fever Reduction to Cancer Treatment   |
|                                | <b>Laila Jaragh-Alhadad, Kuwait University, Kuwait</b>  |
| <b>Presentation</b>            | Nanoparticulated Formulations of Natural Products Used in the Treatment of Depression: Update on Recent Developments and Future Prospects                             |
|                                | <b>Motshegwana Olenkie Tebogo, University of Botswana, India</b>  |
| <b>Presentation</b>            | Direct synthesis of 2D-MoS <sub>2</sub> electrocatalysts on surface of 3D-substrate for high-performance of reverse electro dialysis                                  |
|                                | <b>Namjo Jeong, Korea Institute of Energy Research, Republic of Korea</b>   |
| <b>Presentation</b>            | Effect of Aging on Hardness and Corrosion Resistance of WE43 Magnesium Alloy  |
|                                | <b>N. Sila Büyükkatak, Bursa Technical University, Turkey</b>   |
| <b>Presentation</b>            | Biodegradable Nanofiber Dressing with Antimicrobial Peptides for Enhanced Diabetic Foot Ulcer Management  |
|                                | <b>Noor Alateyah, Qatar University, Qatar</b>   |

**Oral/Poster Slots Available**

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| <b>Presentation</b>            | Determination of Bolometric and Geometric Albedo for Selected Dust Analogs   |
|                                | <b>Piotr Potera, University of Rzeszów, Poland</b>   |
| <b>Presentation</b>            | Fabrication, characterization, and assessment of antimicrobial properties of Zinc Oxide-Curcumin Nanocomposites                          |
|                                | <b>Rokaya O. Amara, Libyan Biotechnology Research Center, Libya</b>  |
| <b>Presentation</b>            | Use of the High-Pressure Homogenization Technology for Encapsulation at Industrial Scale   |
|                                | <b>Silvia Grasselli, GEA Mechanical Equipment Italia, Italy</b>  |
| <b>Presentation</b>            | Synthetic of zinc complexes with Alanine for an antibacterial agent  |
|                                | <b>Sujittra Srisung, Srinakharinwirot University, Thailand</b>   |
| <b>Presentation</b>            | Advancing Cancer Nanotechnology: Designing Functional Gold Nanoparticles for Therapeutic Applications                                    |
|                                | <b>Yara Atto, University of Salford, United Kingdom</b>  |
| <b>Presentation</b>            | A Dendritic Cell-Targeted Nano-Vaccine to Overcome Immune Suppression and Enhance the Efficacy of Standard-of-Care for Pancreatic Cancer |
|                                | <b>Ron Kleiner, Tel Aviv University, Israel</b>  |
| <b>Presentation</b>            | Study and Measurement of the Thermal and Structural Properties of Silicate Materials   |
|                                | <b>Bilal Haddouch, University Cadi Ayyad, Marrakech</b>  |
| <b>Presentation</b>            | Exploring the Role of Nanostructured Materials in Energy Storage: Insights Gained from Density Functional Theory                         |
|                                | <b>Afsana Mammadova, Hohai University, China</b>   |
| <b>Keynote Slots Available</b> |  |

# Important Information

## FOR SPEAKER PARTICIPATION:

Submit your Abstract in the Below Link  
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Abstract acceptance will be intimated through Email & WhatsApp.

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| CONFERENCE REGISTRATION |         |
|-------------------------|---------|
| Category                | Price   |
| Presenter               | \$ 699  |
| Listener                | \$ 749  |
| Exhibitor               | \$ 1600 |

| DATES TO REMEMBER                         |                                |
|---|--------------------------------|
| Second Round of Abstract Submission Opens |                                |
| First Call Registration                   | 20 <sup>th</sup> January, 2025 |
| On spot registration:                     | 14 <sup>th</sup> April, 2025   |

| REGISTRATION INCLUDES  |
|--|
| <ul style="list-style-type: none"><li>• Access to all Presentations</li><li>• The Participants will be awarded with Best Poster and Best Oral Presentation Award</li></ul> |

**GROUP REGISTRATION**  
Discount available for more than  
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# Contact Us

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**Venue:** H10 Roma Città, Rome, Italy

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