

# The 5<sup>th</sup> International School On Advanced Materials

## InSAM'5

**Ibnou Zohr University**  
**Faulty of Sciences, Agadir, Morocco**  
**May 20-21, 2026**

	<b>Day 1 Program</b> <b>May 20, 2025</b>
8:30-9:00	Registration
9:00-9:30	Opening of InSAM'5
	Chairs : Prof. R. AIT AKBOUR & Prof. A. OUAHROUCH
9:30-10:30	<b>Prof. A. VASEASHTA</b> <i>International Clean Water Institute, Manassas, Virginia, USA</i> Leveraging Artificial Intelligence Disruptions: Accelerating Advanced Nano Materials Innovations Through Synthesis, Characterization, and Device Design.
10:30-11:00	Break Coffee
	Chairs: Prof. L.C. COSTA & Prof. I. BAKAS
11:00-12:00	<b>Dr. M. RAJI</b> <i>Mohammed VI Polytechnic University (UM6P), Benguerir, Morocco</i> Lignin for Cosmetic Applications
12:00-13:00	<b>Prof. S. RAFQAH</b> <i>Multidisciplinary Faculty, Safi, Cadi Ayyad University, Morocco</i> La photocatalyse au service de la dépollution de l'eau
13:00-14:15	Photo of InSAM'5 Group & Lunch
	Chairs: Prof. Y. AOUINE & Prof. L BOUNA
14:30-15:30	<b>Prof. A. ALAMI</b> <i>Faculty of Sciences, Dhar El Mahraz, Sidi Mohamed Ben Abdellah University, Fès, Morocco</i> Design, Synthesis and Advanced Characterization of Heterocyclic Compounds: Biological and Electrochemical Evaluation
15:30-16:30	<b>Prof. R. BENZERGA</b> <i>University of Rennes, CNRS, IETR-UMR 6164, Rennes, France</i> Microwaves-based Sensors in Medical and Building Applications: From Principles to High-Frequency Dielectric Characterization
16:30-17:00	Break & Poster session I
	Chairs: Prof. R. IDOUHLI & Prof. B. BAKIZ
17:00-18:00	<b>Prof. L.C. COSTA &amp; Dr. S.S. TEIXEIRA</b> <i>IZN, Physics Department, University of Aveiro, Portugal</i> Part A & B: Impedance spectroscopy: an advanced characterization technique to understand materials

	<b>Day 2 Program May 21, 2025</b>
	<b>Chairs: Prof. A. VASEASHTA &amp; Prof. A TAOUFYQ</b>
<b>8:30-09:30</b>	<b>Dr. M. IBN-ELHAJ</b> <i>CEO Swissartech GmbH, Switzerland</i> From Functional Molecules and Local Resources to Market: Interdisciplinary Development of Sustainable Functional Materials
<b>9:30-10:30</b>	<b>Dr. G. VISCUSI</b> <i>Department of Industrial Engineering, University of Salerno, Italy</i> Design and fabrication of novel and efficient smart solutions for water decontamination: synthesis, characterization and applications
<b>10:00-11:00</b>	<b>Break &amp; Poster session II</b>
	Chair: Prof. R. MAMOUNI
<b>11:00-12:00</b>	<b>Prof. A. BENLHACHEMI</b> <i>Faculty of Sciences, Ibn Zohr University, Agadir, Morocco</i> X-Ray Diffraction: From Crystal Structure to Materials Design
<b>12:00-13:00</b>	<b>Prof. A.A. MEKKAOUI</b> <i>Faculty of Sciences Semlalia, Cadi Ayyad University, Marrakech, Morocco</i> Carboxymethyl Cellulose Nanocolloids Anchoring Metal Nanoparticles (CMC@M NPs): An Efficient Approach to Sustainable Heterogeneous
<b>13: 00-14:00</b>	<b>Lunch</b>
<b>14:00-15:00</b>	<b>Visiting Research center</b>
	Chairs: Prof. A. JMIAI & Dr. G. VISCUSI
<b>15:15-16:15</b>	<b>Prof. A. KHERBECHE</b> <i>Gustave Eiffel University, Champs-sur-Marne, France</i> Étude multi-échelle des interactions bulle-solide structurée : quelle influence sur l'efficacité des procédés biologiques et électrochimiques de dépollution ?
<b>16:15-17:15</b>	<b>Prof. S. CHTITA</b> <i>Faculty of sciences Ben M'Sick, Hassan II University of Casablanca</i> Méthodes de modélisation moléculaire guidées par l'intelligence artificielle pour la découverte de médicaments
<b>17:15-18:15</b>	<b>Break</b>
<b>18:30-19:00</b>	<b>Poster Awards &amp; Closing</b>