



**G E - M E N A 2 0 2 5**

**Green Energy in MENA Region Conference:  
Solar Energy, Green Hydrogen and AgroTec**

**The University of Jordan  
Amman, Jordan**

**December 2<sup>nd</sup> - 3<sup>rd</sup>, 2025**

**Building:** [https://maps.app.goo.gl/s2dkHQvy8t9brxk26?g\\_st=ipc](https://maps.app.goo.gl/s2dkHQvy8t9brxk26?g_st=ipc)

**Zoom Link: Link:** <https://zoom.us/j/93173873627?pwd=agduvV3VDdSp1yFf2sqXdIgEjNdBRi.1>

**Contact Person:** Eng. Maram Al-Hijaj and Eng. Rayan Al-Taweel





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<b>Day 1</b>	
<b>Tuesday, December 2<sup>nd</sup>, 2025</b>	
<b>A: Saeed Al-Mufti Auditorium</b> <b>B: The small Auditorium</b> <b>C: Meeting Room</b>	
<b>9:00</b>	<b>Arrival: Meeting Room: School of Engineering, The University of Jordan, Saeed Al-Mufti Auditorium</b>
<b>09:00 – 09:30</b>	<b>Registration</b>
<b>09:30 - 10:15</b>	<b>Welcoming Session</b> <ul style="list-style-type: none"> <li>● Royal Anthem</li> <li>● Verses from the Holy Quran</li> <li>● <b>Prof. Ahmed Al-Salaymeh</b>, Chairman of the Organizing Committee</li> <li>● <b>Prof. Menwer Attarakih</b>, Dean of the School of Engineering</li> <li>● <b>H.E Dr. Ahmad Abu Alhija</b>, Director of the National Erasmus Plus Office</li> <li>● <b>H.E Dr. Bertram Von Moltke</b>, Ambassador of the Federal Republic of Germany to Jordan</li> <li>● <b>H.E. Pierre-Christophe Chtazisavas</b>, Ambassador of the European Delegation to Jordan</li> <li>● <b>H.E Dr. Aiman A. Soleiman</b>, Minister of Environment</li> <li>● <b>H.E Prof. Saeb Khraisat</b>, Minister of Agriculture</li> <li>● <b>H.E Prof. Dr. Nathir Obeidat</b>, President of The University of Jordan</li> </ul>
<b>10:15 - 10:45</b> <b>Coffee Break, Poster session and Group Photo</b>	
<b>Session I</b> <b>Keynote Speakers</b>	
<b>Chairman: Prof. Ahmed Al-Salaymeh</b> <b>Rapporteur: Eng. Maram Al-Hijaj</b>	
Time	Speech Title & Author
<b>10:45 - 11:15</b>	<b>Power from Solar and Wind - Enabler for a Global Hydrogen Energy System</b> <b>Prof. Martin Kaltschmitt</b> , Director of Institute for Environmental Technology and Energy Industry (TUHH), Germany
<b>11:15 - 11:35</b>	<b>Energy Communities: Resilience and Sustainability</b> <b>Prof. Antonio Ficarella</b> , University of Salento, Italy
<b>11:35 - 11:55</b>	<b>Regional Skills Partnership for Green and Digital Transformation of the MENA Region: Fostering Problem-Solving Skills</b> <b>Dr. Ali Abkar</b> , CEO of AgriWatch, Netherlands
<b>11:55 - 12:10</b>	<b>Discussion</b>
<b>Session 2</b> <b>Panel Discussion: Future of Green Hydrogen</b>	
<b>Chairman: Prof. Tareq Tutunji</b> <b>Rapporteur: Eng. Rayan Al-Taweel</b>	
Time	Speech
<b>12:10 - 12:45</b>	<b>Prof. Ahmed Al-Salaymeh</b> , The University of Jordan, Jordan
	<b>Prof. Antonio Ficarella</b> , University of Salento, Italy
	<b>Prof. Martin Kaltschmitt</b> , Hamburg University of Technology, Germany
	<b>Prof. Abdelkader Outzourhit</b> , Cadi Ayyad University, Morocco



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	Eng. Abdelhak Zerguini, Pan African University, Algeria
	Prof. Mohamed Fahmy, AASTMT, Egypt
<b>Session 3</b>	
<b>Renewable Energy System With 100% Guaranteed Power Supply Project</b>	
Chairman: Dr. Moudar Zgoul	
Rapporteur: Eng. Maram Al-Hijaj	
<b>Time</b>	<b>Impact and sustainability of RESys project</b>
<b>12:45 - 13:00</b>	Outcome of The DAAD Ta'ziz Project "Renewable Energy Systems With 100% Guaranteed Power Supply (RESys100)" Eng. Wolfram Tuschewitzki, TUHH, Germany
<b>13:00 - 13:10</b>	Sectoral Emissions in Jordan and Decarbonization Scenarios to Achieve Net-Zero by 2050 Eng. Aseel Al-Omari, The University of Jordan, Jordan
<b>13:10 - 13:30</b>	Discussion <ul style="list-style-type: none"> <li>● Prof. Ahmed Al-Salaymeh, The University of Jordan, Jordan</li> <li>● Prof. Martin Kaltschmitt, Hamburg University of Technology, Germany</li> <li>● Eng. Abdelhak Zerguini, Pan African University, Algeria</li> </ul>
<b>13:30 - 14:30</b>	
<b>Lunch Break</b>	
<b>Session 4-A</b>	
<b>Green Hydrogen Innovation</b>	
Chairman: Prof. Suhil Kiwan	
Rapporteur: Dr. Areej Nazieh	
<b>Time</b>	<b>Paper Title &amp; Author</b>
<b>14:30 - 14:45</b>	Hybrid Threats and Critical Entity Resilience in the Era of Solar and Hydrogen Energy Prof. Antonio Ficarella, Dr. Alessandro Lazari and Prof. Antonella Longo, University of Salento, Italy
<b>14:45 - 15:00</b>	Enhancing ICE Performance and Slashing Emissions with Green Hydrogen Prof. Aly Hassan, AASTMT, Egypt
<b>15:00 - 15:15</b>	Green hydrogen in Algeria Eng. Abdelhak Zerguini, PAUWES, Algeria
<b>15:15 - 15:30</b>	Impacts of Photocatalytic Hydrogen Production on the European Energy System Eng. Wolfram Tuschewitzki, TUHH, Germany
<b>15:30 - 15:45</b>	Techno-Economic Assessment of Green Hydrogen Production from Different Sources of Water, Case Study Algeria Mr. Nadji Agadi, Prof. Martin Kaltschmitt and Mr. Fabian Carels, TUHH, Germany
<b>15:45 - 16:00</b>	Discussion
<b>16:00 – 16:15</b>	
<b>Coffee Break</b>	
<b>Session 5-A</b>	
<b>Graduate Students</b>	
Chairman: Dr. Bashar Qawasmeh	
Rapporteur: Eng. Muthana Altawil	
<b>Time</b>	<b>Paper Title &amp; Author</b>
<b>16:15 - 16:25</b>	Geothermal Integration in Fifth-Generation District Heating and Cooling: A Comprehensive Review



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	Eng. Dalia Abu Jamoos, Prof. Ahmad Al-Salaymeh, Prof. Arne Speerforck, The University of Jordan, Jordan
16:25 - 16:35	<b>Artificial Intelligence applications in water distribution optimization and water quality: A Systematic Review and reflection on Intermittent Supply Contexts.</b> Eng. Malak al Maitah, Prof. Osama Ayadi, Prof. Ahmad Al-Salaymeh, Dr. Moudar Zgoul, The University of Jordan, Jordan
16:35 - 16:45	<b>Toward a Decarbonized Energy Future in Jordan: A Review on Energy System Modeling Practices and Pathways</b> Eng. Rasha Al Baik, Prof. Martin Kaltschmitt, Prof. Ahmad Al-Salaymeh, The University of Jordan, Jordan
16:45 - 17:00	Discussion
<b>17:00 - 17:15</b> <b>Closing and Heading to Hotel</b>	
<b>Session 4-B</b> <b>Smart Energy System (Hybrid)</b>  Chairman: Dr. Walaa Al-Smadi Rapporteur: Eng. Rayan Al-Taweel	
14:30 – 14:40	<b>Techno-Economic Optimization of Green Hydrogen Production via Hybrid Renewable Energy Systems: Case Study Algeria</b> Mr. Kamel Ali and Prof. Chakib Seladji, PAUWES, Algeria (In person)
14:40 – 14:50	<b>Outputs, Impacts and Institutional Benefits of INNOMED Project: The case of Mohammed V University in Rabat</b> Prof. Khalid Rahmani, Ms. Majd Barhdadi and Miss. Salma Zaim, Mohammed V University in Rabat, Morocco (In person)
14:50 - 15:00	<b>Cleaner Air for a Sustainable Future Through Smart Data Analysis of Air Quality in Ras Al Khaimah,</b> Prof. Ahmad Sakhrieh and Mr. Ahmed Fares, American University of Ras Al Khaimah, UAE (Online)
15:00 - 15:10	<b>An Evaluation of the Economic and Technical Feasibility of Producing Hydrogen from Solar and Wind Energy in Mauritania: A Case Study of Nouakchot</b> Eng. Ousama Mayah, PAUWES, Algeria (Online)
15:10 - 15:20	<b>New challenges in solar energy resource and forecasting in MENA region</b> Prof. Andreas Kazantizidis, University of Patras, Greece (Online)
15:20 – 15:30	<b>Thermodynamic Analysis and Economic Evaluation of an Ammonia-Based Chemical Energy Storage System</b> Dr. Ahtasham Rahim, Prof. Antonio Ficarella, and Dr. Giovanni Manente, University of Salento, Italy (Online)
15:30 - 15:40	<b>Exploring Green Hydrogen Potential in Sudan’s Red Sea Region: Empowering Agriculture through Sustainable Fertilizer</b>



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	<b>Eng. Wafa Taief</b> , Mr. Abdallah Khellaf and Mr. Eric Nitschke, PAUWES, CDER, Institute of Environmental Technology and Energy Economics, Algeria, Algeria, Germany (Online)
<b>15:40 - 15:50</b>	<b>Engineering Green Hydrogen at Scale: a Holistic Modelling Framework Bridging Hydrogen Production, Storage and Transport via Pipelines</b> <b>Dr. Shubham Shubham</b> , Dr. Giovanni Manete, Prof. Pasquale Cavaliere and Prof. Antonio Ficarella University of Salento, Italy (Online)
<b>15:50 - 16:00</b>	<b>Discussion</b>
<b>16:00 - 16:15</b> <b>Coffee Break</b>	
<b>Session 5-B</b> <b>Advanced Renewable Energy (Online)</b>	
<b>Chairman: Dr. Walaa Al-Smadi</b> <b>Rapporteur: Eng. Rayan Al-Taweel</b>	
<b>16:15 - 16:25</b>	<b>Coffee Silverskin-Derived Graphene-Like Photocatalysts for Solar-Driven Green Hydrogen Production,</b> <b>Dr. Arooj Asif</b> , Dr. Giuseppe Mele and Prof. Antonio Ficarella, University of Salento, Italy (Online)
<b>16:25 – 16:35</b>	<b>Scenario-Based Thermal and Optical Analysis of CdSe/CdS Quantum Dot Downshifting Layers for Enhanced Efficiency in Silicon Photovoltaic Modules Using ANSYS"</b> <b>Mr. Maoz Maoz</b> , Dr. Syed Shah and Prof. Vanni Lughì, University of Trieste, Italy (Online)
<b>16:35 - 16:45</b>	<b>Quantifying Hydrogen Pipeline Resilience: Probabilistic Fault Modeling for Safe Renewable Energy Infrastructure</b> <b>Mrs. Elham Ebrahimia</b> and Prof. Antonio Ficarella, University of Salento, Italy (Online)
<b>16:45 - 16:55</b>	<b>Resilience by Design in Local Renewable Energy Systems: The Case of Hydrogen Valleys</b> <b>Dr. Ali Aghazadeh</b> , Prof. Antonio Ficarella, Miss. Maria Sabato and Prof. Antonella Longo, University of Salento, HSPI SpA, Italy (Online)
<b>16:55 - 17:10</b>	<b>Discussion</b>
<b>17:10 - 17:30</b> <b>Closing and Heading to Hotel</b>	
<b>Session 4-C</b> <b>The Final Results, Impact and Sustainability for the AgroTec Project</b>	
<b>Chairman: Dr. Ali Abkar</b> <b>Rapporteur: Eng. Sura Al-Sbaihi</b>	
<b>Time</b>	<b>WP</b>
<b>14:30 - 14:35</b>	<b>Welcoming</b>
<b>14:35 - 15:05</b>	<b>WP1: Management and Coordination</b> , Dr. Ali Abkar, AgriWatch BV, Netherlands
<b>15:05 - 15:20</b>	<b>WP2: Networking and Project Requirements</b> , Prof. Omer Maaitah, Mu'tah University, Jordan
<b>15:20 - 15:50</b>	<b>WP3: AgroTec Development</b> , Dr. Jana Galova, Slovak University of Agriculture, Slovakia (Online)



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<b>15:50 - 16:00</b> <b>Coffee Break</b>	
<b>Session 5-C</b> <b>The Final Results, Impact and Sustainability for the AgroTec Project</b> <b>Chairman: Prof. Omer Maaitah</b> <b>Rapporteur: Eng. Bilal Al-Salaymeh</b>	
<b>16:00 - 16:30</b>	<b>WP4: Quality Assurance and Monitoring</b> , Dr. Riyadh Qashi, INT@E UG, Germany
<b>16:30 - 17:00</b>	<b>External Evaluator Report</b> , Prof. Fahmi Ahmed Abu Al-Rub, JUST, Jordan
<b>17:00 – 17:15</b>	<b>WP5: Impact &amp; Dissemination</b> , Dr. Fawzi Razem, Palestine Polytechnic University, Palestine & Eng. Bilal Al-Salaymeh, National University College of Technology, Jordan
<b>17:15 - 17:30</b> <b>Closing and Heading to Hotel</b>	



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**Day 2**

**December 3<sup>rd</sup>, 2025**

**A: Saeed Al-Mufti Auditorium**

**B: Agriculture Auditorium-School of Agriculture**

<b>9:00 – 09:30</b>	<b>Arrival and Registration</b>
<b>Session 6-A</b> <b>Keynote Speakers</b>	
<b>Chairman: Dr. Osaid Matar</b>	
<b>Rapporteur: Eng. Bilal Al-Salaymeh</b>	
<b>Time</b>	<b>Paper Title &amp; Author</b>
<b>9:30 - 9:50</b>	<b>Agrivoltaics and the Water-Energy-Food Nexus in a Just Energy Transition</b> <b>Prof. Osama Ayadi, The University of Jordan, Jordan</b>
<b>9:50 – 10:10</b>	<b>Energy Transition Efficiency</b> <b>Dr. Rasmi Hamzeh, CEO of Jordan Renewable Energy and Energy Efficiency Fund, Jordan</b>
<b>10:10 - 10:30</b>	<b>Climate Change, Energy Transition and Opportunities for Arab Countries with Solar Energy</b> <b>Prof. Wolfgang Streicher, University of Innsbruck, Austria</b> (Online)
<b>10:30 – 10:45</b>	<b>Discussion</b>
<b>10:45 - 11:00</b> <b>Coffee Break</b>	
<b>Session 7-A</b> <b>Next Generation Renewable</b>	
<b>Chairman: Prof. Mohammed Rabai</b>	
<b>Rapporteur: Eng. Rayan Al-Taweel</b>	
<b>Time</b>	<b>Paper Title &amp; Author</b>
<b>11:00 - 11:15</b>	<b>A Gold Nanoparticles GC Modified Electrode Useful for the Assessment of Oxidative Potential of Atmospheric Particulate Matter</b> <b>Dr. Maria Pia Romano, Prof. M. Giulia Lionetto, Prof. Annarosa Mangone, Prof. M. Elena Giordano, Dr. A. Rita De Bartolomeo, Prof. Daniele Contini, Prof. M. Rachele Guascito, University of Salento, Italy</b>
<b>11:15 - 11:30</b>	<b>The Use of AIoT- in PV Systems</b> <b>Dr. Bashar Qawasmeh, Dr. Mahdi Nisirat and Eng. Ola Shawabkeh, The University of Jordan, Jordan</b>
<b>11:30 - 11:45</b>	<b>Advanced Research in the Field of (day) Lighting and Applications As Innovative Solar Façade Technologies</b> <b>Dr. Martin Hauer, University of Innsbruck, Bartenbach GmbH, Austria</b>
<b>11:45 - 12:00</b>	<b>Integrating Demand Management Schemes with PV Installations Under Net-Billing Energy Policies</b> <b>Eng. Bilal Al-Salaymeh, NUCT, Jordan</b>
<b>12:00 - 12:15</b>	<b>Energy efficiency and Thermal Insulation Code Violations for Residential Buildings in Jordan and The Role of Social Advocacy Campaigns</b>



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	<p><b>Eng. Sudki Hamdan</b>, Prof. Osama Ayadi, Prof. Ahmad Abdel-Fattah and Ms. Maysoon Al-Khuraissat, Tamkeen For Sustainable Tourism Development, The University of Jordan, Water Food &amp; Energy for Environmental Resources Management Co, Jordan Green Building Council, Jordan</p>
<p><b>Session 7-A Continue</b>  <b>Next Generation Renewable</b></p>	
<p><b>Chairman: Prof. Mahmoud Irshidat</b>  <b>Rapporteur: Dr. Walaa Smadi</b></p>	
<b>12:15 - 12:30</b>	<p><b>Cooling Techniques in PV Systems</b>  <b>Dr. Bashar Qawasmeh</b> and Eng. Hamzeh Zuriqat, The University of Jordan, Jordan</p>
<b>12:30 - 12:45</b>	<p><b>Effect of Intermittence on RE-Powered Electrolysers</b>  <b>Prof. Abdelkader Outzourhit</b>, Université Cadi Ayyad, Morocco</p>
<b>12:45 - 13:00</b>	<p><b>Optimizing Renewable Hydrogen Production in Hassi R'Mel Algeria</b>  <b>Eng. Amira Arif</b>, Eng. Fatima Boukahil, Mr. Kamel Ali and Mr. Eric Nitschke, Technical University of Berlin, Germany</p>
<b>13:00 - 13:15</b>	<p><b>Egyptian Locally Manufactured Green Hydrogen Production and Storage System</b>  <b>Eng. Marwan Eldomiaty</b>, Eng. Ahmed Younes, Eng. Mohammed El Telawy and Eng. Farah Yehia Heliopolis University for Sustainable Development, Egypt</p>
<b>13:15 – 13:30</b>	<p><b>Optimizing Power Technologies for SWRO Desalination for Hydrogen Production in Mediterranean Algeria</b>  <b>Eng. Amira Arif</b>, Dr. Sallemine Abdelkader, Prof. Christian von Hirschhausen, Dr. kristin dietrich and Dr. Wimmers James, Technical University of Berlin, Germany</p>
<p><b>13:30 - 14:30</b>  <b>Lunch Break</b></p>	
<p><b>Session 8-A</b>  <b>The Final Results, Impact and Sustainability for the INNOMED Project</b></p>	
<p><b>Chairman: Prof. Antonio Ficarella</b>  <b>Rapporteur: Eng. Bilal Al-Salaymeh</b></p>	
<b>Time</b>	<b>WP</b>
<b>14:30 - 15:00</b>	<b>WP1: Management</b> , Prof. Antonio Ficarella, University of Salento, Italy
<b>15:00 - 15:15</b>	<b>WP2: Establishing university-enterprise cooperation</b> , Eng. Bilal Al-Salaymeh, National University College of Technology, Jordan
<b>15:15 - 15:30</b>	<b>WP3: Baseline Study</b> , Prof. Ahmed Al-Salaymeh, The University of Jordan, Jordan
<b>15:30 - 16:00</b>	<b>WP4: Capacity Building</b> , Prof. Khalid Rahmani, Mohammed V University, Morocco
<p><b>16:00 - 16:15</b>  <b>Coffee Break</b></p>	
<p><b>Session 9-A</b>  <b>The Final Results, Impact and Sustainability for the INNOMED Project</b></p>	
<p><b>Chairman: Dr. Ayman Maqableh</b>  <b>Rapporteur: Eng. Bilal Al-Salaymeh</b></p>	
<b>16:15 - 16:30</b>	<b>WP5: Establishing the Solar Energy Labs</b> , Dr. Martin Hauer, University of Innsbruck, Bartenbach GmbH, Austria



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<b>16:30 - 17:00</b>	<b>WP6: Developing and piloting INNOMED Professional Diploma</b> , Dr. Demetris Marangis, University of Cyprus, Cyprus
<b>17:00 - 17:30</b>	<b>WP7: Quality and Impact Evaluation</b> , Dr. Neofytos Komninos, National Technical University of Athens, NUTA
<b>17:30 - 17:45</b>	<b>External Evaluator Report</b> , Dr. Rosie Christodoulaki
<b>17:45 - 18:00</b>	<b>WP8: Dissemination and Exploitation</b> , Prof. Abdelkader Outzourhit, Dr. Maria Pia Romano, Cadi Ayyad University, University of Salento, Morocco, Italy
<b>18:00 - 18:15</b> <b>Closing and Heading to Hotel</b>	



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<b>Day 2</b> <b>December 3<sup>rd</sup>, 2025</b>	
<b>B: Agriculture Auditorium-School of Agriculture</b>	
<b>09:00</b>	<b>Arrival: School of Agriculture, The University of Jordan, Agriculture Auditorium</b>
<b>09:00 - 09:30</b>	<b>Registration</b>
<b>09:30 - 10:00</b>	<p style="text-align: center;"><b>AgroTec Project Welcoming Session</b></p> <ul style="list-style-type: none"> <li>● Royal Anthem</li> <li>● Verses from the Holy Quran</li> <li>● <b>Prof. Monther ALSadder</b>, The University of Jordan</li> <li>● <b>Prof. Ahmed Al-Salaymeh</b>, Chairman of the Organizing Committee</li> <li>● <b>Dr. Ali Abkar</b>, CEO of AgriWatch, Netherlands</li> <li>● <b>Dr. Sameh Al-Zubiedi</b>, Director of International Affairs Unit, The University of Jordan</li> <li>● <b>Prof. Hadeel Ali Ghazzawi</b>, Dean of the School of Agriculture, The University of Jordan</li> <li>● <b>H.E. Pierre-Christophe Chtazisavas</b>, Ambassador of the European Delegation to Jordan</li> <li>● <b>H.E Prof. Dr. Nathir Obeidat</b>, President of The University of Jordan</li> </ul>
<p><b>Session 6-B</b> <b>Smart Desert</b></p> <p><b>Chairman: Dr. Issa Gammoh</b> <b>Rapporteur: Eng. Mohammad Al-Bsoul</b></p>	
<b>10:00 - 10:30</b>	<b>A Paradigm Shift in Climate Smart Agriculture and Local Development</b> <b>Dr. Basim Al Saleh</b> , Chairman at the Smart Desert Company, Jordan
<p><b>10:30 - 11:00</b> <b>Coffee Break, Poster session and Group Photo</b></p>	
<p><b>Session 7-B</b> <b>Stakeholder Session</b></p> <p><b>Chairman: Dr. Hmoud Al-Debei</b> <b>Rapporteur: Eng. Sura Al-Sbaihi</b></p>	
Time	Paper Title & Author
<b>11:00 - 11:10</b>	<b>Advanced Green Solution</b> <b>Eng. Omar Yacoub</b> , Jordan
<b>11:10 - 11:20</b>	<b>Pizara International Smart Technology (PIST)</b> <b>Dr. Sarab Sharaf</b> , Jordan
<b>11:20 - 11:30</b>	<b>HydroponicJo</b> <b>Eng. Dhirar Abu Salim</b> , Jordan
<b>11:30 - 11:40</b>	<b>AI and Space Technologies for Smart Agriculture</b>



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	<b>Eng. Hilana S. Najjar</b> , Geospatial AI Solutions Architect, GrowTech, Jordan
<b>11:40 - 12:00</b>	<b>Discussion</b>
<p><b>Session 8-B</b>  <b>Agrivoltaics and Smart Agriculture</b></p> <p><b>Chairman: Prof. Monther AlSadder</b>  <b>Rapporteur: Eng. Muthana Al-Tawil</b></p>	
<b>Time</b>	<b>Paper Title &amp; Author</b>
<b>12:00 - 12:15</b>	<b>Modernize Smart Agricultural Curricula in Jordan HEI</b> <b>Prof. Omer Maaitah</b> , Prof. Ahmed Al-Salaymeh, Dr. Mohammad almajali, MU, JU, MU, Jordan
<b>12:15 - 12:30</b>	<b>Thermal Remote Sensing as a Tool for Crop Stress Assessment</b> <b>Dr. Heba AlZaben</b> , Eng. Zainab Al-Manaseer Al Hussein Technical University, Jordan
<b>12:30 - 12:45</b>	<b>Market Introduction of Modules and Digital Solutions: Outcomes from the AgroTechnology VET Centres to Network and Train Future Farmers (AgroTec)</b> <b>Dr. Rami Arafah</b> , Dr. Fawzi Razem and Mr. Zaid Al-Taradeh Palestine Polytechnic University, Palestine
<b>12:45 - 13:00</b>	<b>Understanding Stakeholder Priorities for Advancing WEF in Jordan</b> <b>Dr. Roshanak Darvishzadeh</b> , University of Twente, The Netherlands
<b>13:00 - 13:15</b>	<b>FAO nexus project “ Enhancing Food Security Through Adaptation to Climate Change and Water Scarcity in Ma`an and Karak”</b> <b>Eng. Sagedah Saqallah</b> , FAO, Jordan
<b>13:15 - 13:30</b>	<b>Discussion</b>
<p><b>13:30 - 14:30</b>  <b>Lunch Break</b></p>	
<p><b>Session 9-B</b>  <b>Panel Discussion: Smart Agriculture in MENA Region</b></p> <p><b>Chairman: Prof. Monther Al-Sadder</b>  <b>Rapporteur: Eng. Muthana Al-Tawil</b></p>	
<b>Time</b>	<b>Speech</b>
<b>14:30 - 15:15</b>	<b>Dr. Roshanak Darvishzadeh</b> , University of Twente, Netherlands
	<b>Dr. Ali Abkar</b> , CEO of AgriWatch, Netherlands
	<b>Dr. Fawzi Razem</b> , Palestine Polytechnic University, Palestine



**G E - M E N A 2 0 2 5**  
**Green Energy in MENA Region Conference:**  
**Solar Energy, Green Hydrogen and AgroTec**  
**December 2<sup>nd</sup> - 3<sup>rd</sup>, 2025, Amman – Jordan**



	<b>Prof. Omer Maaitah</b> , Mutah University, Jordan
	<b>Dr. Hmoud Al-Debei</b> , University of Jordan, Jordan
<b>15:15 - 15:30</b>	<b>Discussion</b>
<b>Session 10-B</b> <b>Sustainable Agriculture</b>	
<b>Chairman: Prof. Monther AlSadder</b> <b>Rapporteur: Eng. Sura Al-Sbaihi</b>	
<b>15:30 - 15:45</b>	<b>Environmental Citizenship as a Driver of Renewable Energy Adoption in Sustainable Agriculture</b> <b>Dr. Anna Mravcová and Dr. Jana Gálová</b> , Slovak University of Agriculture in Nitra, Slovakia (Online)
<b>15:45 - 16:00</b>	<b>Early Detection of Powdery Mildew in Cherry Leaves Using Machine Learning and Image Processing Techniques</b> <b>Prof. Yousef Daraghmi</b> , Miss. Manar Yahya, Miss. Eman Daraghmi, Dr. Raed Daraghmi, Hacene Fouchal, PTU – Kadoorie, University de Reims Champagne Ardenne, Palestine, France
<b>16:00 - 16:30</b> <b>Closing and Heading to Hotel</b>	