تحت الرعاية السامية لصاحب الجلالة الملك محمد السادس نصره الله

UNDER THE HIGH PATRONAGE OF HIS MAJESTY KING MOHAMMED VI, MAY GOD ASSIST HIM

7TH EDITION

INTERNATIONAL CLIMATE CHANGE CONFERENCE

CI2C - 2026



SCIENTIFIC PROGRAM

THEMATIC SESSIONS · ONLINE CONTRIBUTIONS · POSTERS

OVERVIEW

Programme at a glance

TIME	Room ARGANA	Room MOGADOR	Room ATLANTICA
DAY 1 Thursday, 29 October 2026			
13:45 – 15:15	SESSION 01 Artificial Intelligence, Remote Sensing and Climate Intelligence	SESSION 02 Climate Change, Health and Epidemiological Resilience	SESSION 03 Green Finance, Climate Risk and Corporate Transition
15:15 – 16:30	SESSION 04 Decarbonisation, Renewable Energy and Green Transition	SESSION 05 Education, Society and Human Dimensions of Climate Resilience	
19:00 – 20:00	POSTER PRESENTATION PROGRAMME 10 posters		
DAY 2 Friday, 30 October 2026			
08:15 – 10:00	SESSION 06 Oceans, Coastal Ecosystems and Marine Biodiversity	SESSION 08 Climate-Resilient Cities, Urban Planning and Sustainable Mobility	SESSION 07 Water Security, Desalination and Climate-Smart Water Management
14:00 – 15:30	SESSION 09 Climate-Smart Agriculture, Soil and Sustainable Food Systems		SESSION 10 Climate Governance, Environmental Law and Justice
14:30 – 15:30	ONLINE CONTRIBUTIONS 3 online sessions · Friday 30 October 2026		
DAY 3 Saturday, 31 October 2026			
08:45 – 10:15	SESSION 11 Sustainable Tourism, Entrepreneurship and Business Innovation	SESSION 13 Forests, Biodiversity and Ecosystem Resilience	SESSION 12 Sustainable Materials and Environmental Technologies
10:15 – 11:45	COMPETITION SESSION → Room ARGANA		

THEMATIC SESSIONS · DAY 1

Thursday

29 October 2026

SESSION 01

Artificial Intelligence, Remote Sensing and Climate Intelligence

DATE	TIME	ROOM
29 October 2026	13:45 – 15:15	ARGANA

MODERATORS

Mr Rachid BENBRIK Multidisciplinary Faculty of Safi, Cadi Ayyad University

Mrs Zahra ASBERIY Higher School of Technology, Essaouira

Mr Mohamed MERZOUKI Faculty of Science and Technology, Sultane Moulay Slimane, Beni Mellal

CONTRIBUTIONS

01 **Artificial Intelligence and Remote Sensing for Spatiotemporal Drought Monitoring in the Semi-Arid Marrakech–Safi Region (Morocco)**

AUTHORS Houssam AYT OUGOUGDAL, Fadoua EL QORCH, Mohamed IKANBANE, Mohammed YACOUBI KHEBIZA

02 **Mapping Argan Tree Density to Support Forest Carbon Stock Assessment in Essaouira Province, Morocco: An Integrated Remote Sensing and YOLOv8-Based Deep Learning Approach**

AUTHORS Dounia AZWAQ, Tarik BELGHAZI, Elmahdi ERRAJI, Mouad ERRAJI, Kholoud KAHIME

03 **A Multi-Source Remote Sensing and Machine Learning Framework for Aboveground Carbon Stock Mapping in Mediterranean Reforested Forests**

AUTHORS Youssef HARDA, Mohamed EL MDERSSA, Jamal IBIJBIJEN, Laila NASSIRI

04 **Machine Learning for Evapotranspiration Prediction in Water Resources Management: Recent Advances, Challenges, and Future Perspectives**

AUTHORS Mohamed IKANBANE, Chaimaa EL KIHAL, Kholoud KAHIME

05 **Machine learning versus conventional allometric equations for improving forest carbon quantification in Argania spinosa ecosystems under climate change**

AUTHORS Youness NACIRI, Younes ABBAS, Abdelali BOULLI, Mohamed EL MDERSSA, Abderrahim ETTAQY, Jamal IBIJBIJEN

06 **Evaluation of Epidemiological Forecasting Models for Potato Late Blight under Moroccan Semi-Arid Conditions: Towards a Hybrid Machine Learning-Based Decision Support System**

AUTHORS Meryem GHANEM, Tarik BENABDELOUAHAB, Saloua BENSIALI, Hafsa HOUMAIRI, Sanae KRIMI BENCHEQROUN

07 **Coastal Flood Susceptibility Mapping in Essaouira, Morocco: An Integrated GIS and Machine Learning Approach**

AUTHORS Chaimaa EL KIHAL, Mohamed IKANBANE, Kholoud KAHIME

08 **From Carbon Assessment to Climate Action: Unlocking Renewable Energy Potential for a Low-Carbon Essaouira**

AUTHORS Chaimaa EL KIHAL, Mustapha ZAHIR, Mohamed HADACH, Mohamed IKANBANE, Khadija OUKNINE, Kholoud KAHIME

09 **Desalination and Artificial Intelligence**

AUTHORS Samiha EL-HANSAR, Mohammed BOUKENDIL, Sofyan SBAHI

10 **Artificial Intelligence in Flood Management under Climate Change: A Review and Decision-Support Framework Applied to the Tensift Watershed, Morocco**

AUTHORS Ouissal CHAMCHATI, Fatiha AIT EL HAJ, Abdelaziz LAHMILI

SESSION

02

Climate Change, Health and Epidemiological Resilience

DATE	TIME	ROOM
29 October 2026	13:45 – 15:15	MOGADOR

MODERATORS

Mr. Omar EL HIBA Faculty of Science, El Jadida, Chouaib Doukkali University

Mr. Hicham CHATOUI CI2RC, ISPITS Marrakech

Mrs Ouassila RIOUCHI Higher School of Technology, Essaouira

CONTRIBUTIONS

01 **Chaleur ambiante et diabète de type 2 : scoping review**

AUTHORS Zakaria KAOUKAB, Abdellatif EL MALLOUSSY, Kholoud KAHIME

02 **Heat-wave-related mortality among older adults in Morocco: a narrative review with a Maghreb and Middle East and North Africa perspective**

AUTHORS Abdellatif EL MALLOUSSY, Abdelmohcine AIMRANE, Zakaria KAOUKAB, Omar ELHIBA, Kholoud KAHIME

03 **Zoonotic cutaneous leishmaniasis dynamics: Climate–disease interactions in Highly Endemic Provinces of Morocco**

AUTHORS Chaymaa HARKAT, HICHAM HAFIANE, Denis SERENO, Kholoud KAHIME

04 **Cutaneous Leishmaniasis in an Endemic Moroccan Setting: Implications for Epidemiological Surveillance**

AUTHORS Hicham HAFIANE, Denis SERENO, Mounia AMANE, Chaymaa HARKAT, Kholoud KAHIME

05 **Plasticité du Venimeux face au Changement Global : Évolution de la Toxicité des Scorpions et Défis Thérapeutiques de l'Envenimation**

AUTHOR Adil EL HOUSSEINI

06 **Neurotoxicité centrale et dynamique physiopathologique de l'envenimation scorpionique.**

AUTHOR Adil EL HOUSSEINI

07 **Résilience des systèmes de santé face au changement climatique : analyse des déterminants des intentions de migration internationale des médecins au Maroc**

AUTHOR Abdelaaziz HOUSNI

SESSION
03

Green Finance, Climate Risk and Corporate Transition

DATE	TIME	ROOM
29 October 2026	13:45 – 15:15	ATLANTICA

MODERATORS

Mr Sidi Mohamed RIGAR Cadi Ayyad University

Mr Boujemaa JOUAY Cadi Ayyad University

CONTRIBUTIONS

01 **Decarbonizing Socio-Economic Systems: Analyzing the Impact of Green Finance on Industrial Transition and Renewable Energy**

AUTHOR Mouhssine SAIB

02 **Spatial Characterization of Municipal Solid Waste at the Essaouira Landfill (Morocco): Implications for Greenhouse Gas Mitigation Strategies**

AUTHORS Khadija OUKNINE, Ahmed KHADRA, Kholoud KAHIME

03 **Climate Risk and Stock Market Performance in Morocco: Evidence from the Casablanca Stock Exchange**

AUTHORS Zineb ELHACHIMI, Oumaima DOUADA, Salah EDDINE KARTOBI

04 **Is Cashless Always Greener? Payment Digitalization and Sustainable Finance in Morocco**

AUTHORS Abdessamad EJJIAR, Salah EDDINE KARTOBI, Leila BENSLIMANE

05 **La finance verte comme levier de la résilience climatique des entreprises marocaines : proposition d'un modèle conceptuel intégrant les investissements verts et l'innovation verte**

AUTHORS Ayoub SLIMAN, Omar MEJJI, Abderrahmane CHOUHBI, Abdelhadi DARKAOUI

06 **Le financement climatique est-il destiné aux pays les mieux gouvernés ou/et aux pays les plus pauvres?**

AUTHORS Lalla Nezha LAKMITI & Mustapha ZAHIR

07 **Risques climatiques et transformation des business models bancaires : une analyse bibliométrique et thématique des mécanismes de transmission**

AUTHOR Touria BENCHEKROUN

08 **Du soutien entrepreneurial à l'impact climatique: évaluer l'efficacité des programmes d'accompagnement des entreprises d'énergie verte au Maroc**
AUTHOR Amal BOUIZZEM

09 **A Sovereign No-Code, Natural-Language-Driven Automation Platform: Enabling Green Finance Innovation in Moroccan Fintech**
AUTHORS Abderrahmane SAMALI & Omar BENCHAREF

10 **TRANSFERT DE CONNAISSANCES ET INNOVATION: UNE REVUE DE LITTERATURE SYSTEMATIQUE**
AUTHORS Youssef MANTOUR & Mustapha ZAHIR

11 **Résilience territoriale et solutions intégrées : vers un modèle de gouvernance territoriale fondé sur l'intégration des pratiques financières, communicationnelles et numériques au Maroc**
AUTHOR Taha EL GHAJOUANI

SESSION

04

Decarbonisation, Renewable Energy and Green Transition

DATE	TIME	ROOM
29 October 2026	15:15 – 16:30	Salle ARGANA

MODERATORS

Mr Mohamed MERZOUKI Faculty of Science and Technology, Sultane Moulay Slimane, Beni Mellal

Mr Mohamed EL MDERSSA Polydisciplinary Faculty, Sultan Moulay Slimane University

Mr Hicham CHATOUI CI2RC, ISPITS

CONTRIBUTIONS

01 **Solar Power-to-Liquid SAF Production for Morocco's Aviation Sector: A National Scenario Analysis (2030-2050)**

AUTHORS Asmae EL BOUKILI & Najat OUAALINE

02 **Coupling Green Hydrogen Power-to-X Pathways with the National Grid: A Modelling Framework for Electricity Demand Forecasting and Investment Planning in Tunisia**

AUTHORS Amira BRAHMI, Essia ZNOUDA, Chiheb BOUDEN

03 **Optimizing Cost and Environmental Impact of Biomass to Electricity Supply Chain**

AUTHORS Rakia BOUALLEGUI, Essia ZNOUDA, Chiheb BOUDEN

04 **Performance Analysis of a Photovoltaic–Thermal (PVT) Collector Incorporating a Nano-Enhanced Phase Change Material (Nano-PCM)**

AUTHORS Othmane TAZMAITE, Mohammed ER-RAKI, Abderrahim BAZGAOU, Safae HASNAOUI, Mohammed HASNAOUI

05 **Isolation and Pectinase Production Potential of Coniochaeta pulveracea from Moroccan Argan Forest under Submerged Fermentation**

AUTHORS Assmaa CHOUKRI, Aayah HAMMOUMI, Tilila Baganna, Mohamed SBAHI, Williams TURPIN, Khalid FARES, Ahde EL IMACHE, Lahcen OUAHMANE, Halima CHERNANE

06 **Conception d'une micro-station solaire autonome couplant un photobioréacteur à lames minces de Spirulina et la recharge de vélos électriques : application au littoral d'Essaouira**

AUTHORS BRAHIM IRIH, AYOUB AZIKI, OMAR KARROUM, Kholoud KAHIME

SESSION

05

Education, Society and Human Dimensions of Climate Resilience

DATE	TIME	ROOM
29 October 2026	15:15 – 16:30	MOGADOR

MODERATORS

Mr LISSANEDDINE Abdelilah Higher School of Technology, Essaouira

Mr Fabio CORBISIERO Professor of Tourism Sociology, University of Naples Federico II, Italy

Mrs. Khadija MENGUIT Higher School of Technology, Essaouira

CONTRIBUTIONS

01 **Social acceptability, territorial justice and Younger generations in the energy transition: the case of the East Naples biogas plant (Online)**

AUTHORS Antonella BERRITTO, Fabio CORBISIERO, Carmine Urciuoli

02 **Analyse terminologique des solutions fondées sur la nature, quels effets sur le territoire? Le cas de Paris**

AUTHOR Cedissia ABOUT

03 **Politiques d'adaptation au changement climatique au Maroc, stratégies d'acteurs et contraintes de mise en œuvre**

AUTHOR Abdelaziz YAHYAOUI

04 **Circular valorization of chitin-rich biomass into chitosan: a nature-based solution for crop drought resilience**

AUTHORS Fadoua ABOU EL KOUSSINE, Abdelghani CHAKHCHAR, Asma MAKLOUL

05 **Climate-Health Literacy in a Warming Morocco: Universities, Youth Citizen Science, and Territorial Adaptation**

AUTHOR Rachid ED-DALI

THEMATIC SESSIONS · DAY 2

Friday

30 October 2026

SESSION

06

Oceans, Coastal Ecosystems and Marine Biodiversity

DATE	TIME	ROOM
30 October 2026	08:15 – 10:00	ARGANA

MODERATORS

Mrs Ibtissam SETTI Ibn Zohr university

Mr. Abdellatif CHAOUTI Faculty of Science, El Jadida, Chouaib Doukkali University

Mrs Fatimazahra AIT BALLAGH Higher School of Technology, Essaouira

CONTRIBUTIONS

01 **Extremophile Microalgae from Extreme Ecosystems: Nature-Based Solutions for Marine Biodiversity Conservation and Climate Change Mitigation**

AUTHOR Lamia TRABELSI

02 **L'océan dans les politiques d'adaptation au Maroc : du littoral au système marin**

AUTHORS Chaymae KAOURI, Marie BONNIN, Samira IDLLALENE

03 **Sea Level Rise In Africa: From Science To Impacts**

AUTHORS Samira IDLLALENE, Alexander KOLKER

04 **Reproductive Biology and Fecundity of the Atlantic Spider Crab Maja brachydactyla from the Atlantic Coast of Safi, Morocco**

AUTHOR Oumayma KHALIL

05 **Roalgae-Based Industrial CO_2 Utilization for Climate Change Mitigation: Biological Stability and Scale-Up Performance of Microchloropsis gaditana**

AUTHORS ABDELOUAHED AKHMISS, Kholoud KAHIME

06 **Analyse géospatiale de l'évolution pluridécennale et saisonnière de la plage d'Essaouira (Maroc)**

AUTHOR Jaouad AMAGHYOUZ

07 **Seasonal trace metal accumulation in the stalked barnacle Pollicipes pollicipes and the safety of its consumption on the Moroccan Atlantic coast**

AUTHORS Zakaria EL-AZZOUZI, Abdallah DAHBI, Amal NADRI, Brahim SABOUR, Abdellatif CHAOUTI

08 **Trait-based patterns of macroepifauna assemblages associated with native and introduced red macroalgae in the Oualidia coastal lagoon (NW Morocco) as response to environmental filtering**

AUTHORS Amal NADRI, Zakaria EL-AZZOUZI, Abdallah DAHBI, Zahira BELATTMANIA, Brahim SABOUR, Abdellatif CHAOUTI

09 **Tropical Sargassum Beaching under Climate Variability: From Environmental Challenge to Biopolymer Valorization**

AUTHORS Khansae KAMAL, Mohamed HAFIDI, Mohammed RHAZI, Youness BOUHIA

SESSION

07

Water Security, Desalination and Climate-Smart Water Management

DATE	TIME	ROOM
30 October 2026	08:15 – 10:00	ATLANTICA

MODERATORS

Mr Ahmed KHADRA Multidisciplinary Faculty of Safi, Cadi Ayyad University

Mr Abdelilah EL ABBASSI, Cadi Ayyad University

Mr Omar EL HIBA Chouaib Doukkali University

CONTRIBUTIONS

01 **Evaluation of the Genotoxicity of Desalination Brine Using the Vicia faba Micronucleus Assay**

AUTHORS Ikram ZHIRI, Oumayma KHALIL, Ahmed KHADRA, Mohamed TECHETACH

02 **Water Equity and the Causal Impact of Desalination in Morocco: A Gini Decomposition and Synthetic Control Analysis**

AUTHOR Boutayna CHERKAOUI

03 **Le transfert de l'eau de mer dessalée de Safi vers Marrakech: enjeux juridiques et financiers dans un contexte de changement climatique**

AUTHOR Mohamed MOUCH

04 **Feasibility Assessment of Treated Wastewater Reuse for Agricultural Irrigation: A Case Study of the Melloussa Wastewater Treatment Plant, Tangier Province, Morocco**

AUTHOR Youssef ELKABDANI

05 **Treated Urban Wastewater Reuse in Semi-Arid, Non-Coastal Regions: A Smart and Sustainable Water Management Framework**

AUTHOR Radouane SOUJOUD

06 **Flood Risk and Territorial Resilience in the Rheris Watershed (South-Eastern Morocco): An Integrated Approach to Climate Change Adaptation**

AUTHORS Abdelmoumen BENCHATTOU, Mohamed EL GHACHI

07 **Advancing Climate-Resilient Watershed Management: A GIS-Based Assessment of Water Erosion in the Ourika Watershed (High Atlas, Morocco)**

AUTHOR Khaoula JAMMAT

08 دراسة هيدرولوجية وهيدروليكية لتقدير تدفقات الفيضانات ومحاكاة السلوك الهيدروليكي لمجرى واد الخضر بالأطلس الكبير، المغرب

Hydrological and Hydraulic Assessment of Flood Discharges and Hydraulic Behavior Simulation of the Oued Lakhdar Channel, High Atlas, Morocco

AUTHOR Omar EL AROUSSI

09 **Biochar in Hydroponics: A Bibliometric assessment of its role in sustainable substrates, nutrient management, and water remediation**

AUTHORS Hajar BENALI, Mohamed EL MDERSSA

10 **Co-designing climate-resilient water-energy-food systems in Morocco: A participatory approach for Bouchane Agricultural Communities**

AUTHORS Marie-Blanche ROUDAUT, Auja BYWATER, Jihane MOUMOUH, William MAKAZAH, and Michael JACOBSON

SESSION

08

Climate-Resilient Cities, Urban Planning and Sustainable Mobility

DATE	TIME	ROOM
30 October 2026	08:15 – 10:00	MOGADOR

MODERATORS

Mr. Azeddine SEDKI FSSM, Cadi ayyad

Mrs. Andrea RAMIREZ AGUDELO Institute for Environment and Human Security, United Nations University, Bonn

CONTRIBUTIONS

01 **AI-Driven Smart Traffic Intelligence Infrastructure for Climate-Resilient Urban Mobility**

AUTHORS Hamza ELOUIAAZZANI, Mohamed AIT BABRAM, Ahmed LAATABI, Nicolas MARILLEAU, Tri NGUYEN-HUU

02 **Is shade all there is to it? Quantifying the contribution of tree transpiration to cooling cities**

AUTHORS Yakir PREISLER, Ron LINDER

03 **Parisian eco-districts: low energy and affordable housing?**

AUTHOR Elise MACHLINE

04 **Techno-economic and environmental feasibility of rooftop and garden vertical farming across residential building typologies in Casablanca, Morocco**

AUTHORS Lina BENNANI, Hicham BAHI

05 **Urban Heat, Socio-Spatial Inequalities, and Climate Vulnerability in the Marrakesh-Safi Region. A Longitudinal Assessment of the Social Gradient of Thermal Exposure, 1984–2023**

AUTHORS Badr ABOUFARASSE, Mohamed AIT BABRAM, Abdelhafid El ALAOUI EL FELS

06 **Urbanization-Induced Changes in Temperature, Carbon, and Hydrology Across Morocco**

AUTHORS Mohamed Amine LACHKHAM, Lahouari BOUNOUA, Noura ED-DAHMANY, Mohammed YACOUBI KHEBIZA

07 **A Holistic Research Approach to Soil Health in Urban Greenery Ecosystems**

AUTHORS Lonia FRIEDLANDER, Elise MACHLINE, Uri NACHSHON, Yakir PREISLER, Rina Kamenetsky Goldstein

08 **Assessing the Impact of Repository-Analysis Errors on the Reliability of Automated MLOps Deployment Pipelines**

AUTHORS Asmaa OUCHKKOUK, Omar BENCHAREF

SESSION

09

Climate-Smart Agriculture, Soil and Sustainable Food Systems

DATE	TIME	ROOM
30 October 2026	14:00 – 15:30	ARGANA

MODERATORS

Mr Oussama BAYSSI HEAD OF CO_2 SYSTEMS & AGRITECHNOLOGY, IRESEN

Mr Lahcen OUAHMANE Multidisciplinary Faculty of Safi, Cadi Ayyad University

Mr Katim ALAOUI Mohammed V University – The Mohammed VI Foundation for the Research and Safeguarding of the Argan Tree

CONTRIBUTIONS

01 **Soil–Plant System Responses to Fractionated OMWW Application and Microbial Inoculation**
AUTHORS Oumaima DAHBANE, Mohamed HAFIDI, Mohammed RHAZI, Youness BOUHIA

02 **Effect of organo-mineral fertilizers on soil properties under salinity stress in Durum Wheat cultivation**
AUTHORS Ibtisam AABIDALLAH, Youness BOUHIA, Mohamed HAFIDI

03 **Microbial Inoculation Drives Rock Phosphate Solubilization, Community Diversification, and Production of Stable Organo-Mineral Phosphorus Fertilizers**
AUTHOR Youness BOUHIA

04 **Pasta fortification with edible insects and snail**
AUTHOR Nouhaila SAHILI

05 **Alginate-Based Smart Biofertilizers for Climate-Resilient and Sustainable Agriculture**
AUTHORS Asma MAKLOUL, Fadoua ABOU EL KOUSSINE, Abdelghani CHAKHCHAR

06 **Coupling biochar-enhanced constructed wetlands and satellite-based precision irrigation: a circular bioeconomy strategy for treated wastewater reuse in Moroccan olive orchards**
AUTHORS CHAIMAE MALDOU, Dominique COURAULT, Tonni AGUSTIONO KURNIAWAN, Naaila OUAZZANI, Faissal AZIZ

07 **Repenser les catégories de planification urbaine pour intégrer les paysages hydro-productifs historiques dans les politiques d'adaptation climatique**
AUTHOR Widad AMELAL

08 **Agriculture, Food Security and Climate: cas de la région Marrakech-Safi**
AUTHORS Mohammed EL AKLAA, Jihane ELLOUYTY

09 **Biostimulant Potential of Anacyclus pyrethrum (L.) Lag. Aqueous Extract on Tomato (Solanum lycopersicum L.) Germination Under Saline Stress**

AUTHORS Abdellah AGHRAZ, Badr EZZYKY, Mohamed MARKOUK, AMAL MOUNIR, Abdelilah Meddich, Najoua ZAROUALI

SESSION

10

Climate Governance, Environmental Law and Justice

DATE	TIME	ROOM
30 October 2026	14:00 – 15:30	ATLANTICA

MODERATORS

Mr EL AKLAA Mohammed Cadi Ayyad Universit

Mrs Mina SGHIOUR National Institute for Urban and Regional Planning

Mr Rida Oussama Higher School of Technology, Essaouira

CONTRIBUTIONS

01 **From Science to Governance: How Can African Countries Cope with Sea Level Rise Impacts?**

AUTHOR Samira IDLLALENE

02 **One Shock, Three Trajectories: Law, Justice and Diplomacy in Africa's Fragmented Response to the 2026 Strait of Hormuz Crisis**

AUTHORS Yassine BOUCHFAR, Intissar BENSBIH

03 **La gouvernance urbaine à l'épreuve de la mobilité : Coordination institutionnelle et exclusion socio-spatiale entre Tamansourt et Marrakech**

AUTHORS Loubna ELHOUCINE, Fatima GEBRATI

04 **Treatment of olive mill wastewater using microalgae: Polyphenol removal and sustainable agronomic valorization of microalgal biomass**

AUTHORS Khaoula BENBNIDAK, Zineb LAKOUAM, Abdelilah EL ABBASSI, Laila EL BOUZIDI, Khalid BEKKOUCHE

05 **Treatment of olive mill wastewater using microalgae: Polyphenol removal and s...**

AUTHORS Asmae EL F ATMI, Hiba ZEGROUD, Sara EL HAMJI, Karim SBIHI, Faissal AZIZ

06 **Économie circulaire des déchets de construction et de démolition : état des lieux et voies de valorisation comme ressources secondaires**

AUTHOR Kaoutar OUHALLI

07 **Infrastructure as Dignity: Women's Labor, Forced Eviction, and Climate Displacement in Lagos, Abuja, and Dadaab**

AUTHOR Fabienne HOELZEL

08 **العمل عن بعد بين متطلبات الاستدامة المناخية وضمان حماية الحياة الخاصة للأجير: نحو نموذج قانوني للمقاولة الرقمية المستدامة**

AUTHOR Idris EL YOUSFI

09 **La gouvernance multiniveaux comme condition de la résilience de l'écosystème entrepreneurial territorial face aux chocs climatiques.**

AUTHORS Salim Semlali & Mustapha ZAHIR

THEMATIC SESSIONS · DAY 3

Saturday

31 October 2026

SESSION

11

Sustainable Tourism, Entrepreneurship and Business Innovation

DATE	TIME	ROOM
31 October 2026	08:45 – 10:15	ARGANA

MODERATORS

Mr Youssef EL AZYZY Higher School of Technology, Essaouira

Mr Khalid EL HOUSNI Higher School of Technology, Essaouira

Mr Zouheir MSATFA Higher School of Technology, Essaouira

CONTRIBUTIONS

01 **Tourisme sportif et développement territorial durable au Maroc : analyse des enjeux de l'organisation de la Coupe d'Afrique des Nations 2025 et de la co-organisation de la Coupe du Monde de la FIFA 2030, à Marrakech.**

AUTHOR Ali SAAD

02 **Sustainable Tourism Destinations as Catalysts for Entrepreneurship and Biodiversity Conservation: Managing for Financial Sustainability in Eastern Ethiopia**

AUTHORS IBSA ALIYI USMANE, Lelisa Shamshadin Mohammed, kEMAL KASIM AHMED

03 **Is Geotourism Inherently Low-Carbon? Theoretical Arguments and Territorial Evidence**

AUTHORS Safaa CHARDI & Kholoud KAHIME

04 **L'apport de la Fintech basée sur la Blockchain pour une meilleure intégration de la Responsabilité Sociétale des Entreprises au Maroc : Cas des crypto-actifs**

AUTHOR ABDELLAH EL AIDER

05 **L'innovation managériale et la performance des coopératives: construction d'un cadre d'analyse appliqué au territoire d'Essaouira**

AUTHORS Mohamed ELMACHNI & Mustapha ZAHIR

SESSION

12

Sustainable Materials and Environmental Technologies

DATE	TIME	ROOM
31 October 2026	08:45 – 10:15	ATLANTICA

MODERATORS

Mr Mohamed ER-RAKI Higher School of Technology, Essaouira

Mr Abderrahim BAZGAOU Higher School of Technology, Essaouira

Mr Hicham CHATOUI CI2RC, ISPITS Marrakech

CONTRIBUTIONS

01 **Green-Synthesized Zinc Oxide Nanoparticles Incorporated into Electrospun PVDF HFP/Gelatin Nanofibers for Active Food Packaging**

AUTHORS Salma AYADI, Ghizlane AKHOUY, Jamila SABYH, Faissal AZIZ

02 **Phytochemical Composition and Antioxidant and Antibacterial Activities of Seaweed Extracts from the Moroccan Atlantic Coast**

AUTHOR Abdelhak ADLI

04 **From Waste to Climate-Resilient Building Materials: Thermal Performance, Material Safety and Climate Co-Benefits from Circular Valorisation of Paper and Textile Waste**

AUTHORS Myriam LAROUSSI, Nour SGHAIER, Maher BEN CHIEKH

05 **Biomass-Derived Graphene Oxide from Catalytically Graphitized olive pomace: green synthesis and structural characterization**

AUTHORS Jamila SABYH, Faissal AZIZ, Naaila OUAZZANI

06 **From Waste to Resource: Valorization of Post-Consumer Plastic Waste into Sustainable Construction Materials**

AUTHORS Hajar SKIRI, Nabil SAFFAJ, Rachid MAMOUNI

SESSION

13

Forests, Biodiversity and Ecosystem Resilience

DATE	TIME	ROOM
31 October 2026	08:45 – 10:15	MOGADOR

MODERATORS

Mr Lahcen OUAHMANE Multidisciplinary Faculty of Safi, Cadi Ayyad University

Mrs Afaf AMAZZAL Higher School of Technology, Essaouira

Mrs Hasnae SABRI Higher School of Technology, Essaouira

CONTRIBUTIONS

01 **Application of Machine Learning and Geostatistics for Forest Fragmentation Analysis in the Larache and Ouezzane Provinces (Northern Morocco) :** Implications for Forest Resources and Climate Change Vulnerability

AUTHORS Fouad MOUNIR, Amadou KONARE

02 **Modeling the Current and Future Distribution of Vachellia tortilis subsp. raddiana Under Climate Change Scenarios in the Southeastern Region of Morocco**

AUTHOR Ismail AITHSAIN

03 **Carbon and nitrogen stocks and soil organic matter stabilization in a tropical coffee agroecosystem: A 15-year study on phosphogypsum and brachiaria intercropping**

AUTHORS Kaoutar BOUFOUS, Luis Carlos COLOCHO HURTATE, Nicolas Gustavo DA CRUZ DA SILVA, Lílian Angelica MOREIRA, Malak ELMEKNASSI, Paulo SERGIO PAVINATO, Luiz ANTONIO MARTINELLI, Matheus SAMPAIO CARNEIROO BARRETO, Hudson WALLACE PEREIRA DE CARVALHO

04 **المجال الغابوي والتنوع البيولوجي البري وخدمات النظم الإيكولوجية بالأطلس الكبير الغربي: تشخيص الواقع، ورهانات وآفاق التدبير المستدام في مواجهة التغيرات المناخية**

AUTHORS Zineb ZAARI, Mohammed EL AKLAA

05 **Effect of Assisted Natural Regeneration through Exclosure on Argan Tree (Argania spinosa L.) Dynamics under Pedoclimatic Stress in Essaouira Province (Morocco)**

AUTHORS Youssef SANDAD & Kholoud KAHIME

06 **Contribution to the Development of a Quality Standardization Model for Argania spinosa Seedlings Produced in Forest Nurseries**

AUTHOR Moulay Ahmed El Alaoui El Fels, Dihazi Abdelhay , Aayah Hammoumi

07 **Phytochemical Variability of Aleppo Pine According to Stand Origin and Infestation Level by the Pine Processionary Moth**

AUTHORS Aayah HAMMOUMI, Moulay Ahmed EL ALAOUI EL FELS, Abderrahim KERROUMI

DAY 3 ·

COMPETITION SESSION

DATE	TIME	ROOM
31 October 2026	10:15–11:45	ARGANA

JURY MEMBERS

Mrs Andrea RAMIREZ AGUDELO, Institute for Environment and Human Security, United Nations University

Mr Anas FELHI, General Director for North Africa, KliK Foundation

Mr Fabio CORBISIERO, University of Naples Federico II

DAY 2 · VIRTUAL

Online Contributions

30 October 2026 · 14:30 – 15:30 · 5 minutes per contribution

ONLINE

1

Online Session 1

MODERATOR

Mr Yassine ZEGZOUTI, Research Associate, KASS-REMENA - Expert in Climate Change, Energy Security, and Environmental Sustainability

CONTRIBUTIONS

01 **Comparative Evaluation of Natural and Synthetic Additives on the Physicochemical and Microbiological Stability of Functional Processed Foods**

AUTHORS Loubna JRHAIDER, El Mostapha TACE, Youssef NAIMI

02 **Valorisation énergétique des boues issues des stations d'épuration**

AUTHOR Laila TAKI

03 **Physicochemical Characterization of Commercially Available Clay Bricks for the Restoration of Historic Buildings in the City of Marrakech**

AUTHORS Jalaldine SAKTINE, Abir CHAREF, Mohammed BOUKENDIL, lahcen Elmoutaouakil, Younes BAHAMMOU

04 **From biosynthesis to environmental applications: redox chemistry and electrochemical properties of pyocyanin from *Pseudomonas aeruginosa**

AUTHORS Farah ELHANDOUR, Youssef NAIMI, Ilham ZERDANI

05 **Arbuscular Mycorrhizal Fungi Associated with the Genus Thymus in the Moroccan Middle Atlas: Influence of Temporal Variability and the Host Plant**

AUTHORS Hiba BOUQOUROU, Sara JOUAL, Hanane DOUNAS, Lahcen OUAHMANE

06 **Burundian edible insects as functional ingredients for cassava paste fortification: nutritional, safety, and culinary perspectives**

AUTHOR Jean Marie NSHIMIRIMANA

07 **Toward climate-resilient coastal urban planning: A GIS-based multi-criteria decision framework for territorial governance in the global south**

AUTHORS Hiba SETFANE, Naoual Ouazzani Touhami

08 **Beyond Majority Voting: Game-Theoretic Assurance against False Consensus in Multi-Agent Climate Intelligence**

AUTHORS Abdessamad IMIDER, Omar BENCHAREF

ONLINE

2

Online Session 2

MODERATOR

Mr Ahmed KHADRA Multidisciplinary Faculty of Safi, Cadi Ayyad University

CONTRIBUTIONS

01 **L'exploitation minière des grands fonds marins à l'ère du BBNJ : entre exploitation des ressources et protection de la biodiversité marine**

AUTHORS Bilal BAHAJJI, Samira LAHSSINI, Sara SEFRIOUI

02 **Scientific Valorization of Endemic Moroccan Argan Honey: A Sustainable Approach to Enhance Argan Forest Conservation under Climate Change**

AUTHORS Zineb LAKOUAM, Khaoula BENBNIDAK, Houssam LAKHMILI, Abdelilah EL ABBASSI, Laila EL BOUZIDI, Khalid BEKKOUCHE

03 **Structure du capital à l'épreuve de la transition climatique : effets de la divulgation environnementale, des investissements durables et de la pression réglementaire sur les choix d'endettement des entreprises marocaines non financières cotées**

AUTHORS Mounir EL MRABIT, Nabil BOUAYAD AMINE

04 **Inter-annual dynamics of mycorrhizal symbioses in endemic Moroccan thyme: implications for the climate resilience of ecosystems**

AUTHORS Sara JOUAL, Hiba BOUQOUROU, Lahcen OUAHMANE, Abdelaziz BOUIZGAREN, Hanane DOUNAS

05 **Comparative study of the mineralogical and microstructural properties of materials used as additives in traditional clay bricks**

AUTHORS Abir CHAREF, Jalaldine SAKTINE, Mohammed BOUKENDIL, Younes BAHAMMOU, Lahcen EL MOUTAOUAKIL

06 **Solar Furnace Coupled with a Scheffler Concentrator for Biochar Production from Olive Pomace: Design, Experimental Investigation and Characterization**

AUTHORS Amal JOHARI, Mohammed BOUKENDIL, Abdelhamid KHEIRI, Yassir BELLAZIZ, Mohammed KHALIS, Faissal AZIZ, Fatima AIT NOUH

07 **Transient Numerical Parametric Study of a PCM-Integrated Solar Water Heater with an Adaptive-Conductivity Photo-Thermal Absorber**

AUTHORS Ayoub ABIDAR, Lahcen EL MOUTAOUAKIL, Mohammed BOUKENDIL, Zakaria BAJDOU

ONLINE

3

Online Session 3

MODERATOR

Mr Abdelmohcine AIMRANE École Normale Supérieure of Marrakech (ENS Marrakech)

CONTRIBUTIONS

01 **Solar Pumping, Drip Irrigation, and Climate Finance in Morocco: A Triple Co-Benefit Framework for Agricultural Decarbonization and Water Conservation**

AUTHORS Mey EL MOUSTAPHA, Najat OUAALINE

02 **Climate Change and Socioeconomic Cohesion: A Bibliometric Analysis of the Scientific Literature (1978–2025)**

AUTHORS Khalid AGBALU, Jamal Eddine EL ABDELLAOUI

03 **Résilience des systèmes de santé et stratégies d'adaptation sanitaire face au changement climatique: enjeux et perspectives pour le Maroc**

AUTHOR BEN MHAMED BELHAFIDI

04 **Wastewater treatment reuse as a climate change adaptation strategy in a water-scarce region: Performance of sand filtration coupled with UV disinfection at Agadir WWTP, Morocco**

AUTHORS ABDELLAH EL BOULANI, Khaddouj Amzil, Nour Eddine Chaouky, Fatima Hamadi

05 **Updated checklist and ecological assessment of green seaweeds from Essaouira coastline (Morocco)**

AUTHORS Hasnae SABRI, Afaf AMAZZAL, Kholoud KAHIME, Ouafa CHERIFI, Asmae MANSORI

06 **Seasonal Environmental Gradients Shape Phytoplankton Community Dynamics in a Moroccan Atlantic Coastal Ecosystem: Insights from Imessouane Bay**

AUTHORS Afaf AMAZZAL, Hasnae SABRI, Zahra OKBA, Kholoud KAHIME

07 **Cooling of Electronic Components via Phase Change Materials and PID-Driven Forced Convection**

AUTHORS Zakaria BAJDOU, Lahcen EL MOUTAOUAKIL, Mohammed BOUKENDIL, Ayoub ABIDAR

DAY 1 · POSTERS

Poster Presentation Programme

Thursday 29 October 2026 · 19:00 – 20:00

EVALUATORS

Mr Azeddine SEDKI FSSM, Cadi Ayyad University
Mrs Elise MACHLINE, Director of the Center for Climate Change Policy and Research
Mr Yakir PREISLER, Volcani Institute, Agricultural Research Organization

POSTERS

01 **Évaluation numérique d'un échangeur air-sol dans un pavillon rural en climat semi-aride aux environs de Marrakech**
AUTHORS Abderrahim BRAKEZ, Ayman LAHBABI

02 **Forest dieback in native and reforestation species: Retroanalysis, predictive modelling and early warning through the integration of ecological approaches and machine learning**
AUTHORS Yacine LAIDI, Mohamed EL MDERSSA

03 **INTEGRATED APPROACH TO WATER AND SOIL CONSERVATION AND THE DEVELOPMENT OF A GIS: CASE STUDY OF THE OUARZAZATE REGIONAL OFFICE FOR AGRICULTURAL DEVELOPMENT (ORMVAO)**
AUTHOR Houda NASSAH

04 **Tourism, Psychological Well-Being, Emotional Regulation and Coping Strategies: A Systematic Review**
AUTHORS Anna Lisa AMODEO, SEBASTIANO CACEFFO, Erica ALFIERI, Veronica GIAQUINTO, Miriam BELLUZZO

05 **MHD Double-Diffusive Natural Convection of a Water-NEPCM Suspension in a Wavy Porous Cavity with Partial Cooling and Internal Cylindrical Sources**
AUTHORS Layla FOURA, Youssef DAHANI, Abdelkhalek AMAHMID, Ayoub NABBAGUI, Mohammed HASNAOUI, MALIKA BOUFKRI

06 **Path-Dependent Flow Behaviour in Double-Diffusive Convection with Internal Heat Generation: A Hybrid LBM–FDM Approach**
AUTHORS Safae HASNAOUI, Othmane TAZMAITE, Mohammed ER-RAKI, Abderrahim BAZGAOU, Mohammed HASNAOUI

07 **Valorization of organic waste into biofertilizers for climate-resilient pepper growth under drought conditions**
AUTHORS Wiam YACOUBI, Abdelghani CHAKHCHAR

08 **Microbial Diversity in a Climate-Vulnerable Coastal Wetland: Halophilic Actin...**
AUTHORS Ahmed NAFIS, Brahim SABOUR, Abdellatif CHAOUTI, Elmostapha OUTAMAMAT, Anas RAKLAMI

09 **Environmental conditions shape molluscan assemblages in intertidal Mytilus galloprovincialis beds of northwestern Morocco: Trophic guilds and spatiotemporal variability**
AUTHORS Zakaria EL-AZZOUZI, Abdallah DAHBI, Amal NADRI, Brahim SABOUR, Abdellatif CHAOUTI

10 **Seasonal patterns of agar yield, rheological and chemical properties of agar extracted from the non-native red alga Agarophyton vermiculophyllum**

AUTHORS Amal NADRI, Abdellatif CHAOUTI, Fouad BENTISS, Charafeddine JAMA, Zahira BELATTMANIA, Brahim SABOUR

11 **Concentration Ratio Optimization of a CPVT–ORC Hybrid System: An Exergy-Based Assessment**

AUTHORS Malika BOUFKRI, Abdelfattah EL MANSOURI, Abdelkhalek AMAHMID, Mohammed HASNAOUI

12 **Molluscan assemblages associated with native and introduced red macroalgae in the Oualidia coastal lagoon (NW Morocco): Environmental filtering and functional trait structure**

AUTHORS Amal NADRI, Zakaria EL-AZZOUZI, Abdallah DAHBI, Zahira BELATTMANIA, Brahim SABOUR, Abdellatif CHAOUTI



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