



SCIENTIFIC PROGRAM

1^{er} INTERNATIONAL CONGRESS ON ENVIRONMENT, ENERGY AND MATERIALS FOR SUSTAINABLE DEVELOPMENT

(IC2EM-SDT'25)



OCTOBER 30 - NOVEMBER 01, 2025
NATIONAL SCHOOL OF APPLIED SCIENCES OF AL HOCEIMA (ENSAH)
Engineering Sciences and Applications Laboratory (LSIA)



Presentation

The **1st International Congress on Environment, Energy and Materials for Sustainable Development (IC2EM-SDT'25)** will be held from **October 30 to November 1, 2025**, in a **hybrid format** (in-person and online). The event is organized by the **Laboratory of Engineering Sciences and Applications (LSIA)** at the **National School of Applied Sciences of Al Hoceima (ENSAH)**, Morocco. This prestigious congress aims to serve as a global platform for knowledge exchange, innovation, and collaboration among researchers, educators, industrialists, policy-makers, and students who are committed to advancing sustainability in the fields of environment, energy, and materials.

IC2EM-SDT'25 will bring together participants from various disciplines to discuss the latest scientific and technological developments addressing global environmental and energy challenges. It provides an exceptional opportunity to explore how advanced materials, clean energy technologies, and sustainable engineering solutions can contribute to a greener, more resilient future. Through this event, the organizers seek to strengthen international cooperation and promote the integration of research, innovation, and industrial applications in alignment with the United Nations Sustainable Development Goals.

The scientific program will be structured around several major themes, including **advanced functional materials, green hydrogen and renewable energies, water engineering and hydrology, resource valorization and circular economy, and technological innovations for sustainable development**. Within these themes, the congress will address topics such



as nanostructured and bio-based materials, hydrogen production and storage, energy efficiency and decarbonization strategies, integrated water resource management, waste recovery and industrial ecology, as well as the role of artificial intelligence, smart cities, and digital transformation in supporting sustainability.

The congress program will feature **plenary lectures by distinguished international experts, oral and poster sessions, and specialized workshops** designed to foster interaction between academia, industry, and decision-makers. Round-table discussions will encourage participants to exchange best practices and identify innovative approaches to pressing environmental and energy issues. Additionally, a **student innovation challenge** and **best presentation awards** will be organized to recognize outstanding contributions and inspire young researchers to engage in sustainability-oriented science and technology.

All submissions will undergo a **rigorous peer-review process**, ensuring high scientific quality and originality. Accepted and presented papers will be published in **indexed conference proceedings and partner journals (SCOPUS or Web of Science)**. Selected high-quality contributions will be invited for publication in **special issues of international journals**, offering authors increased visibility and recognition within the scientific community.

Beyond the scientific sessions, IC2EM-SDT'25 aims to foster collaboration and networking. The event will include dedicated sessions for **B2B meetings, institutional partnerships, and research project development** to strengthen connections between universities, research centers, and industries. By encouraging dialogue between researchers and socio-



economic actors, the congress aspires to translate scientific advances into practical, sustainable solutions that benefit communities and ecosystems.

The congress will be hosted at **ENSA Al Hoceima**, a dynamic academic institution located in the northern Mediterranean region of Morocco, known for its exceptional natural landscapes and environmental richness. This setting provides an ideal environment for scientific reflection and exchange on sustainability challenges facing coastal and mountainous ecosystems. Participants who cannot attend in person will benefit from an interactive **online participation system**, ensuring broad international accessibility and engagement.

Ultimately, **IC2EM-SDT'25** represents not only a scientific meeting but also a collective commitment to shaping a more sustainable and innovative future. By participating in this event, attendees will have the opportunity to share their research, discover emerging technologies, and contribute actively to the global dialogue on sustainable development.



PROGRAM IC2EM-SDT "2025

THURSDAY, October 30, 2025

08:00 - 09:00	Welcome and reception of participants		
09:00 - 09:30	Opening ceremony		
09:30 - 10:30	Plenary Conference 1 Prof. ZHEN-YU TIAN Chinese Academy of Sciences, China « CLEAN COMBUSTION FOR FUTURE »		
10:30 - 11:30	Plenary Conference 2 Prof. TARIK CHAFIK FST Tangier, Morocco « VALORIZATION OF AGRICULTURAL BY-PRODUCTS THROUGH SUSTAINABLE DEVELOPMENT TECHNOLOGIES »		
Moderator: Prof. ACHRAF EL KASMI			
11:30 – 12:30	Coffee break / Poster session		
Oral Sessions (Parallel Sessions) 12:30 - 13:45			
Conference Room	Room 1	Room 2	Room 3
Moderators: Prof. I. DRIOUCH & A. AMAHMOUJ	Moderators: Prof. A. KHALED & K. AMGHAR	Moderators: Prof. K. DAOUDI & R. TISKATINE	Moderators: Prof. L. BALLI & M. HLIMI
14:00 - 15:00	Plenary Conference 3 Prof. O. BOLARINWA AYODELE University of Texas at San Antonio, USA « PROCESS INTENSIFICATION FOR TRANSFORMING INDUSTRIAL PRACTICES FOR A SUSTAINABLE FUTURE »		



15:00 - 16:00	<p>Plenary Conference 4 Prof. MOHCIN AKRI Ecole Centrale de Lille, France</p> <p>« HYDROGENATION CATALYTIQUE DIRECTE DU CO₂ CONTENU DANS LE BIOGAZ POUR LA PRODUCTION DE BIOMETHANE »</p>
16:00 - 17:00	<p>Plenary Conference 5 Prof. P. MOUNTAPBEME KOUOTOU University Ebolowa, Cameroon</p> <p>« LOW-TEMPERATURE CO CATALYTIC OXIDATION OVER MANGANESE-DOPED Co₃O₄ POROUS NANOCRYSTALS: AN EXPERIMENTAL AND THEORETICAL INVESTIGATION »</p>
Moderator: Prof. HAMMADI EL FARISSI	
17:00 - 18:00	Lunch break



FRIDAY, October 31, 2025

09:00 - 10:00	<p>Plenary Conference 6 Prof. LAHCEN BENAABIDATE FST FEZ, USMB, MOROCCO « WATER RESSOURCE MANAGEMENT IN MOROCCO : CASE OF SEBOU WATERSHED »</p>
<p>Moderator: Prof. FOUAD DIMANE</p>	

Virtual Oral Sessions (parallel sessions)
10:00 - 12:30

Room V1	Room V2	Room V3	Room V4	Room V5
Moderators: Prof. A. ZIAN & I. HANAFI	Moderators: Prof. H. IDDER & A. BOUAJAJ	Moderators: Prof. S. NAAMANE & M. S. H. ALAQUI	Moderators: Prof. S. EL KHALDI & A. LAMKADDEM	Moderators: Prof. A. WAHID & R. TISKATINE

15:00 - 16:00	<p>Plenary Conference 7 Prof. MOHAMMED SAGHIR Industry, Germany « DEVELOPMENT OF EFFICIENT GREEN HYDROGEN STORAGE SYSTEMS USING ADVANCED SOLID-STATE MATERIALS »</p>
<p>Moderator: Prof. HAMMADI EL FARISSI</p>	

Virtual Oral Sessions (parallel sessions)
16:00 - 18:30

Room V6	Room V7	Room V8	Room V9	Room V10
Moderators: Prof. A. EL YOUSSEFI & A. LAMAIZI	Moderators: Prof. F. EL BACHRAOUI & I. ACHOUKHI	Moderators: Prof. E.M. HAILY & A. BOURJILA	Moderators: Prof. O. EL ABOUTI & R. RAIS	Moderators: Prof. F. DIB & N. BENAYA

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ORAL ROOMS

ID	Corresponding Author	Communication Title
Conference Room https://meet.google.com/dbk-domk-sar		
01	MHAJIBA BELHOUS	SUSTAINABLE CLASSROOM OPTIMIZATION USING DATE PALM FIBER MATERIALS
02	HOUSSAM ATTOU	AN ANALYSIS USING DFT OF TWO-DIMENSIONAL HFSSE AS A HIGH-PERFORMANCE ANODE MATERIAL FOR LITHIUM-ION BATTERIES
03	ZAKARIAE DARHI	FIRST-PRINCIPLES STUDY OF HIGH-TEMPERATURE THERMOELECTRIC PERFORMANCE INDUCED BY HYDROGENATION OF ZNAS AND CDAS MONOLAYERS
04	ACHOUKHI ILIASS	LIFE CYCLE ANALYSIS OF MICROPLASTICS: ASSESSMENT OF ENVIRONMENTAL IMPACTS AND MITIGATION STRATEGIES
05	ELOUASSIDI ABDELHAFID	LA RÉOLUTION DU PROBLÈME DE L'ÉCHAUFFEMENT DES PANNEAUX SOLAIRES PHOTOVOLTAÏQUES DANS LES CONDITIONS ENVIRONNEMENTALES MODÉRÉES.
06	RACHID TISKATINE	ELABORATION AND EXPERIMENTAL CHARACTERIZATION OF A NEW CLAYBASED CONSTRUCTION MATERIAL INCORPORATING ALEPPO PINE AGGREGATES FOR OPTIMAL USE IN BUILDING
Room 1		
07	ER-ROUKHOU	DEFECT MODE ENGINEERING IN PHOTONIC CRYSTAL STRUCTURES FOR OPTICAL FILTERING APPLICATIONS
08	THAIKI MOHAMMED	FROM GREEN TO GREY: HOW URBANIZATION ALTERS SURFACE CLIMATE AND RUNOFF IN MOROCCO?
09	ABDELJALIL HAMDI	CONTRIBUTION TO THE DEVELOPMENT OF HETEROCYCLES BASED ON IMIDAZO[1,2-A] PYRIDINE. ELECTROCHEMICAL AND THEORETICAL APPLICATIONS
10	KODAD HAJAR	ENVIRONMENTAL AND SUSTAINABLE APPLICATIONS OF ORMENIS MIXTA ESSENTIAL OIL FROM THE PRÉ-RIF REGION OF MOROCCO
11	BEN ABDELMALEK KHALIL	OPTIMISATION D'UNE CELLULE SOLAIRE $\text{Cu}_2\text{NIGES}_4$ AVEC UNE COUCHE SNS COMME BSF
Room 2		



12	ABDELOUAHAB AMAHMOUJ	FAILURE ANALYSIS OF ACRYLONITRILE BUTADIENE STYRENE (ABS) MATERIALS AND DAMAGE MODELING THROUGH FRACTURE ANALYSIS
13	ELOUASSIDI ABDELHAFID	REFROIDISSEMENT DES PANNEAUX SOLAIRES PHOTOVOLTAÏQUES PAR LA MÉTHODE DES PCMS INTÉGRÉES DANS LES SYSTÈMES AVEC AILETTES.
14	MOHAMED REJDALI	BOTANICAL DIVERSITY AND PHYTOCHEMICAL COMPOSITION OF CANNABIS SATIVA L.
15	AHMED EL KOUKA	A HIGHLY SENSITIVE ACOUSTIC BIOSENSOR BASED ON BOUND STATES IN THE CONTINUUM FOR HEMOGLOBIN CONCENTRATION DETECTION IN BLOOD PLASMA
16	IMANE MAAJEM	DESIGN AND ANALYSIS OF A SIMPLE ACOUSTIC FILTER USING A SINGLE PMMA LAYER WITH ALUMINUM COATING
Room 3		
17	BENAISSA CHAIMAE	GROUNDWATER QUALITY ASSESSMENT IN THE BAKKOYA AQUIFER (AL-HOCEIMA, NORTHERN MOROCCO): PHYSICOCHEMICAL AND BACTERIOLOGICAL PERSPECTIVES
18	NADA OULAD MOUSSA	LIMESTONE-CALCINED CLAY AN ALTERNATIVE BINDER TO ORDINARY PORTLAND CEMENT IN 3D CONCRETE PRINTING
19	KOUBAA ZAKARYAE	SPATIO-TEMPORAL ASSESSMENT OF HEAVY METALS AND SEAWATER QUALITY INDEX IN AL HOCEIMA BAY (NORTHERN MOROCCO, MEDITERRANEAN SEA)
20	YOUNES AZOUZ	ULTRA-SENSITIVE SPR BIOSENSOR BASED ON SNSE/AU/GRAPHENE HYBRID ARCHITECTURE
21	OUISSAL BINDAR	IMPACT DE L'UTILISATION DE L'EAU DE MER SUR LA DURABILITE DU BETON : ÉTUDE DU PROCESSUS DE CORROSION DES ARMATURES ET PROPOSITION D'UNE METHODE D'ATTENUATION
Room V1		
http://meet.google.com/nvr-hrnb-vnk		
22	ABDELALI CHAREF	THE PLANTED FILTER: A PROMISING PROCESS FOR WIDESPREAD WASTEWATER TREATMENT IN RURAL CENTRES IN MOROCCO
23	CHAIMAE ELYAACOUBI	ECO-FRIENDLY WASTEWATER SLUDGE MANAGEMENT: STRATEGIES FOR VALORIZATION AND LCA PERSPECTIVES
24	ABDERRAHIM EL YAHYAOUY	LUNG CANCER CLASSIFICATION USING HYBRID MACHINE LEARNING ALGORITHM



25	ABDESLAM ASSAFI	L-CYSTEINE-FUNCTIONALIZED GRAPHENE OXIDE AS AN EFFICIENT ADSORBENT FOR THE REMOVAL OF 4-NITROPHENOL FROM ENVIRONMENTAL WATER
26	ABIDI SAID	SURFACTANT-FREE ROOM-TEMPERATURE SYNTHESIS OF CO-DOPED CAMOO ₄ NANOPARTICLES: STRUCTURAL AND MICROSTRUCTURAL CHARACTERIZATION
27	ACHABDAN MOUNA	TRANSFORMING AGRI-FOOD PROCESSING RESIDUES INTO A LOW-COST BIOSORBENT FOR THE REMOVAL OF ERIOCHROME BLACK T DYE FROM AQUEOUS SOLUTION
28	AHMED EL MAALOUM	INTEGRATING MACHINE LEARNING, GIS, AND HIGH-RESOLUTION REMOTE SENSING FOR ENHANCED FLASH FLOOD RISK MODELING
29	AIT ELMAKKI SOUKAINA	STUDY OF A TRILAYER ISING SYSTEM MIXED SPINS WITHIN A FERRIMAGNETIC NANOGRAFENE STRUCTURE
30	ANOUAR ZGHARI	STABILIZATION AND IMMOBILIZATION OF TRACE METAL ELEMENTS FROM ABANDONED MINE PROCESSING TAILINGS IN CERAMIC TILES: THE ZEÏDA MINE, HIGH MOULOYA, MOROCCO
31	MANAL EL GAROUANI	ÉVALUATION DE LA PENURIE D'EAU DANS LA PLAINE DU SAÏSS, MAROC, A L'AIDE D'UNE APPROCHE MULTIDIMENSIONNELLE
<p style="text-align: center;">Room V2</p> <p style="text-align: center;">http://meet.google.com/jva-jtuo-tpe</p>		
32	AOUNI AMINA	STRUCTURAL AND VIBRATIONAL BEHAVIOR ANALYSIS OF A MIXTURE OF COCOA BUTTER (CB), COCOA BUTTER EQUIVALENT (CBE), AND MILK FAT ACIDS (AMF) IN THE CONTEXT OF CHOCOLATE BLOOMING
33	ASSAMADI CHAIMA	FROM STRUCTURE TO FUNCTION: PHOTOCATALYTIC AND ANTIBACTERIAL BEHAVIORS OF PHOSPHATE GLASSES
34	ATIKA BENCHELLAL	ELECTRICAL AND DIELECTRICAL PROPERTIES OF BENTONITE AND ITS COMPOSITES: FUNDAMENTALS, MODIFICATIONS AND ELECTROCHEMICAL APPLICATIONS
35	AYA CHELH	COMPRESSIVE STRAIN EFFECTS ON THE PHOTOCATALYTIC AND OPTOELECTRONIC PROPERTIES OF CSINBR ₃ FOR EFFICIENT HYDROGEN PRODUCTION: A DFT STUDY
36	AYOUB BAHLAOUI	CHIRAL TUNNELING THROUGH DOUBLE BARRIER STRUCTURE IN TWISTED GRAPHENE BILAYER
37	AZIZI ZAKARIA	HEMP CONCRETE: REVIEW OF PROPERTIES, PERFORMANCE AND PERSPECTIVES
38	AZIZI ZAKARIA	OPTIMIZATION OF HEMP-LIME FORMULATIONS FOR THE MEDITERRANEAN



		CLIMATE
39	AZZOUZI SOUKAYNA	TOXICITY OF HEAVY METALS ON VEGETATION: MECHANISMS, IMPACTS AND SUSTAINABLE MITIGATION STRATEGIES
40	BAHOUC MOHAMED	ECO-FRIENDLY ADSORBENTS FOR HEAVY METAL REMOVAL FROM WASTEWATER: A COMPREHENSIVE REVIEW
41	BAKHOUC YASSER	PRESSURE-DRIVEN HOMOGENIZATION OF LITHIUM DISILICATE GLASSES
42	BEN ABOU MOHAMED	INVESTIGATION OF THE HYDROCHEMICAL QUALITY OF SURFACE WATERS OF THE OUED INAOUEN WATERSHED NEAR THE DRISS 1ER DAM (MOROCCO) USING MULTIVARIATE STATISTICAL METHODS AND DIAGRAM ANALYSIS
43	MUSTAPHA FOUAIDI	FLEXURAL ANALYSIS OF CONCRETE FOUNDATIONS FORTIFIED WITH NANO-FIBERS REINFORCED POLYMER MATRIX LAYER
44	BASSIR YOUSSEF	NONLINEAR DYNAMIC ANALYSIS OF FUNCTIONALLY GRADED STRUCTURES
<p style="text-align: center;">Room V3</p> <p style="text-align: center;">http://meet.google.com/kfg-dnme-vja</p>		
45	SOUKAINA SABSI	LIGHT MANIPULATION IN A ONE-DIMENSIONAL PHOTONIC CRYSTAL BASED ON METALIC GRATING DIELECTRIC MULTILAYERS
46	BEN KADDOUR YOUSRA	DEVELOPMENT OF GEOPOLYMER BINDERS BASED ON OLIVE MILL WASTE RESIDUES: A SUSTAINABLE APPROACH TO OLIVE OIL WASTE VALORIZATION
47	BENAHDAK KAOUTHAR	VALORIZATION OF AGRICULTURAL RESIDUES INTO FUNCTIONAL CARBON MATERIAL FOR WASTEWATER DYE REMOVAL: EXPERIMENTAL AND THEORETICAL APPROACH
48	BENJELLOUL INASSE	INTELLIGENT DEFECT DETECTION IN ELECTROLUMINESCENCE IMAGES OF PHOTOVOLTAIC MODULES USING MOBILENETV2
49	BENSADDIK MOHAMED	VALORIZATION OF DRINKING WATER TREATMENT SLUDGE FOR IRRIGATION
50	BENSITEL NIHADE	SUSTAINABLE WATER TREATMENT: SLUDGE VALORIZATION AND CONSTRUCTION APPLICATIONS
51	BILAL BRIOUAL	ENHANCED OXYGEN EVOLUTION REACTION FOR GREEN HYDROGEN GENERATION USING NIMOO ₄ NANOPARTICLES ON NICKEL FOAM
52	BOUGRINE OMAR	ENGINEERING OF AN ENVIRONMENTALLY SUSTAINABLE BUILDING MATERIAL ALIGNED WITH CIRCULAR ECONOMY PRINCIPLES



53	BRYK MUSTAPHA	IMPEDANCE SPECTROSCOPY ANALYSIS OF THIN-FILM PHOTOVOLTAIC CELLS WITH CHALCOPYRITE-STRUCTURED $\text{CuIn}_{1-x}\text{Ga}_x\text{Se}_2$ ABSORBERS: EFFECT OF GALLIUM MOLAR FRACTION ON ELECTRICAL PERFORMANCE.
54	CHAYMAE SERGENT	ANALYZING THE EFFECT OF THIOPHENE CHAIN LENGTH ON THE PERFORMANCE OF DYE-SENSITIZED SOLAR CELLS: A COMPUTATIONAL APPROACH.
55	CHAYMAE TSOULI	IMPACT OF CLIMATE CHANGE ON VARIATIONS IN GROUNDWATER STORAGE IN THE SAÏSS AQUIFER (NORTHERN MOROCCO)
56	CHLAIH SOUMAYA	LOW-COST CLAY-BASED CERAMIC MEMBRANES: EXPERIMENTAL STUDY AND OPTIMIZATION FOR TEXTILE WASTEWATER TREATMENT
<p style="text-align: center;">Room V4</p> <p style="text-align: center;">http://meet.google.com/bvq-ryqu-nwe</p>		
57	EDDARRAJI KAOUTAR	INTEGRATION DE H ₂ POUR LA DECARBONISATION DE LA PRODUCTION D'AMMONIAC
58	EL HALLAB RAHMA	CHARACTERIZATION OF HOUSEHOLD AND SIMILAR WASTE GENERATED FOR THE RABAT CITY, MOROCCO
59	EL HAROUACHI HANANE	MECHANICAL BEHAVIOUR AND MICROSTRUCTURE OF CLAY-BASED GEOPOLYMERS
60	EL MAIL NOUHA	VALORIZATION OF AGRI-FOOD WASTE AS A GREEN BIOSORBENT FOR THE REMOVAL OF CRYSTAL VIOLET FROM AQUEOUS SOLUTIONS
61	EL MANSOURI NABILA	GREEN EXTRACTION AND CHARACTERIZATION OF BIOACTIVE COMPOUNDS FROM THREE GRAPE POMACE VARIETIES (VITIS VINIFERA L.)
62	EL MANSSOURI HANAE	OPTIMIZATION OF PLASMONIC GOLD NANOPARTICLES: A TARGETED STRATEGY FOR ENHANCING THE EFFICIENCY OF PHOTOTHERMAL ABLATION IN PROSTATE CANCER.
63	EL-ASSRI YOUSSEF	ACUTE TOXICITY ASSESSMENT OF THE ETHANOLIC PULP EXTRACT OF ELAEAGNUS ANGUSTIFOLIA L. FROM MOROCCO: IN VIVO AND IN SILICO APPROACHES
64	ELJAADI YAHYA	ASSESSMENT OF THE SUSTAINABILITY OF PESTICIDE USE IN POTATO CULTIVATION IN THE LOUKKOS PERIMETER USING AGRI-ENVIRONMENTAL INDICATORS
65	ELMOUDNIA HICHAM	A BRIEF REVIEW OF ADOBES STABILIZED EARTH BRICK
66	ELYAAKOUBY YASSINE	INTEGRATION OF RENEWABLE ENERGY STORAGE SOLUTIONS IN A PHOTOVOLTAIC-POWERED REVERSE OSMOSIS DEMINERALIZATION STATION IN ZAGORA, MOROCCO.



Room V5

<http://meet.google.com/hvw-odst-tuq>

67	FATIMA AFASSI	BIOLOGICAL ACTIVITIES AND POTENTIAL APPLICATIONS OF ESSENTIAL OILS FROM MEDICINAL PLANTS: A SYSTEMATIC REVIEW
69	FATIMA EL HANKOURI	RECENT ADVANCES IN ADSORPTION AND ADVANCED OXIDATION PROCESSES FOR INDUSTRIAL WASTEWATER TREATMENT: TOWARD INTEGRATED AND SUSTAINABLE APPROACHES
70	FATIMA ENNAFAA	ELECTROCHEMICAL TESTING, SEM/EDX ANALYSIS, STUDIES OF A NEW TRIAZOLE-LINKED SACCHARIN DERIVATIVE (AGTS) AS AN ORGANIC CORROSION INHIBITOR FOR C38 STEEL IN A 1.0 M HCL ENVIRONMENT
71	FOUZIA EL HAFIANE	ÉTUDES DES PROPRIETES ELECTRONIQUE ET STRUCTURELLES DES MATERIAUX 2D UTILISANT LE QUANTUM ESPRESSO.
72	FRAIHA OUMAIMA	TOWARDS CLEANER WATER: REVISITING ADSORPTION TECHNIQUES FOR AMOXICILLIN REMOVAL
73	GHIZLANE HAMDIOUI	EVALUATION OF THE PHYSICOCHEMICAL QUALITY OF WATER AT THE MOUTHS OF THE KERT AND MOULOYA RIVERS AND INTRODUCTION TO A COMPARATIVE STUDY
74	HAFSA CHAFIK	VIBRATIONAL PROPERTIES OF METALLIC GLASSES USING MOLECULAR DYNAMICS SIMULATION
75	HAJAR HANINE	OPTIMIZING BUILDING ENERGY EFFICIENCY IN ZONE 4 (IFRANE) USING TRNSYS SIMULATIONS
76	HAMZA ZEDGUI	BULK PHOTOVOLTAIC EFFECT IN BATIO ₃ -BASED FERROELECTRIC OXIDES DFT STUDY
77	HASSAN KOURBANI	NANOINDENTATION OF (3C) SILICON CARBIDE 3C-SIC USING MOLECULAR DYNAMICS SIMULATION
78	HOSSEIN BADI	ENERGY EVALUATION OF AN INNOVATIVE PASSIVE BUILDING USING A RED CLAY, LIMESTONE, AND LIME COMPOSITE FOR MEDITERRANEAN REGIONS

Room V6

<http://meet.google.com/qxh-kshd-oho>

79	HOSSEIN BADI	TOWARD NZEB IN MEDITERRANEAN CLIMATES: CLAY, ALFA FIBER AND LIME COMPOSITES FOR HYGROTHERMAL PERFORMANCE
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80	HOUDA EL ADAK	FUNCTIONALIZED SILICA MATERIALS FOR HEAVY METAL ADSORPTION: A COMPREHENSIVE REVIEW
81	ILHAM EL-ATMANI	ACOUSTIC WAVE SPLITTING IN A RAMIFIED WAVEGUIDE SYSTEM: THEORY, COMSOL VALIDATION, AND EXPERIMENTAL MEASUREMENTS
82	IMANE CHAKER	NOVEL ELECTROMAGNETIC SWITCHING SYSTEM BASED ON WAVEGUIDE AND OPEN RESONATOR
83	AYNAOU ANASS	GROUNDWATER DEPLETION IN THE JEL AQUIFER (MOROCCO): A SATELLITE-BASED ASSESSMENT USING GRACE DATA AND INNOVATIVE TREND ANALYSIS
84	IMANE LAMRINI	OPTOELECTRONIC AND EXCITON PROPERTIES OF GAAS QUANTUM DISK UNDER HYDROSTATIC PRESSURE
85	IMANE LMARINI	OPTOELECTRONIC AND EXCITON PROPERTIES OF GAAS QUANTUM DISK UNDER HYDROSTATIC PRESSURE
86	JAMILA BOUCHGL	NUMERICAL AND ANALYTICAL STUDY OF CRACK PROPAGATION IN PRESSURE VESSELS: LINEAR AND NON-LINEAR BEHAVIORS
87	KANOUI NIDALE	PREVENTION OF CALCIUM CARBONATE SCALING IN HARD WATER USING GREEN EXTRACTS – AN ECO-FRIENDLY APPROACH TO SCALE CONTROL
88	KHADIJA BENOMAR	IMPACT DU CHANGEMENT CLIMATIQUE SUR LES RESSOURCES NATURELLES
89	KHALID BOUAICHE	OPTIMISATION PARAMETRIQUE ET ANALYSE DES PERFORMANCES D'UNE CENTRALE SOLAIRE A TOUR : UNE ETUDE DE CAS NUMERIQUE POUR L'AMELIORATION DU CHAMP SOLAIRE ET DU RECEPTEUR.
90	ACHRAF WAHID	COMPARATIVE STUDY OF THE SERVICE LIFE AND RELIABILITY OF A CENTRAL CORE AND A HELICAL STRAND CONSTITUTING THE SAME ROPE

Room V7

<http://meet.google.com/azt-ihjx-cwy>

91	KHOUSA LAHCEN	ETUDE BIBLIOGRAPHIQUE SUR LA CARACTERISATION ET LA VALORISATION DES SAUMURES ISSUES DU DESSALEMENT PAR OSMOSE INVERSE
92	KOUMIYA IMAME	ANALYSE EXPERIMENTALE ET MODELISATION DU NETTOYAGE DES MEMBRANES DE DESSALEMENT DE L'EAU DE MER
93	LAAMACH MOUNSEF	ANALYTICAL HIERARCHY PROCESS AND GEOGRAPHIC INFORMATION SYSTEM TO IDENTIFY SUITABLE AREAS FOR ARTIFICIAL GROUNDWATER RECHARGE IN THE SEMI-ARID AQUIFER OF SOUTHEASTERN TAZA, MOROCCO



94	LAHBIB ABBAS	IONIC AND ELECTRONIC CONDUCTIVITY OF SYSTEM OXIDE GLASSES: NAI- <i>Li</i> 2O- <i>W</i> 03- <i>P</i> 205.
95	LAHDYA MOHAMMED	MODELISATION, CONTROLE ET DISTRIBUTION DE CHAUFFE-EAU SOLAIRES (APPLIQUES DANS LES HOTELS)
96	LAMRANI MUSTAPHA	PHYSICOCHEMICAL CHARACTERIZATION OF WASTEWATER FROM THE FEZ INDUSTRIAL SECTOR IN MOROCCO.
97	LAYAN BADR	ASSESSING POTENTIAL FLOOD HAZARD AREAS IN DATA-SCARCE REGIONS: A CASE STUDY OF A SEMI-ARID RIVER, NORTHEASTERN MOROCCO
98	LOUBNA EL ATRACHE	SYNTHESIS STRATEGIES AND FUNCTIONAL APPLICATIONS OF FOAMED GEOPOLYMER-BASED CERAMICS
99	MERYEM ABIDA	HYDROPHOBIC MODIFICATION OF CELLULOSE AND ITS DERIVATIVES FOR DIVERSE APPLICATIONS
100	MERYEM SABRI	FIRST-PRINCIPLES CALCULATIONS TO INVESTIGATE PHOTOVOLTAIC, PHOTOCATALYTIC, AND SPINTRONIC PROPERTIES OF FE-DOPED AND ALLOYED MGSIO3 PEROVSKITE
101	MOHAMED AIT ICHOU	A MOLECULAR DYNAMICS STUDY ON THE DEPOSITION OF TINI THIN FILMS AT VARIOUS INCIDENCE ANGLES
<p style="text-align: center;">Room V8</p> <p style="text-align: center;">http://meet.google.com/fjo-jiuw-phw</p>		
102	MOHAMED AMINE DAOUD	TOWARDS LEAN 5.0: AN AI-ENHANCED AXIOMATIC DESIGN FRAMEWORK FOR SUSTAINABLE AND HUMAN-CENTRIC ADDITIVE MANUFACTURING SYSTEMS
103	MOHAMED EL FARKHANI	STARCH SOLUBILIZATION IN DEEP EUTECTIC SOLVENT, REGENERATION, CHARACTERIZATION AND STRUCTURAL MODIFICATION
104	MOHAMED EL MALLAHI	OVERVIEW OF ZEOLITES: STRUCTURE, SYNTHESIS METHODS, PROPERTIES AND APPLICATIONS
105	MOUNAIM BENCHEIKH	FIRST-PRINCIPLES STUDY OF THE HIGH-TEMPERATURE THERMOELECTRIC PERFORMANCE OF BULK TLX (X = SE, S) FOR THERMOELECTRIC APPLICATIONS
106	MOUSSAOUI LHACHMI	CARACTERISATION PHYSICO-CHIMIQUE DE LA POZZOLANE ET DU GRAVIER LOCAL POUR LEUR UTILISATION DANS LES FILTRES IMBRIQUES DE TRAITEMENT DES EAUX USEES
107	NAFISSA BENCHELLAL	GREEN VALORIZATION OF QUINOA STALKS INTO FUNCTIONAL CELLULOSE DERIVATIVES



108	NFAOUI SADIK	NUMERICAL STUDY ON THE EFFECT OF ALUMINA NANOFLUIDS IN THE THERMAL OPTIMIZATION OF A FINNED ANNULAR HEAT EXCHANGER
109	NOUGA CHAYMAA	EVALUATION DES SOURCES DE POLLUTION DE L'ESTAIRE BOUREGREG AVANT LE PROJET DE DEPOLLUTION
110	NOUHAILA EL HIDAOU	REVEALING THE POTENTIAL OF PEROVSKITES FOR SUSTAINABLE ENERGY: INSIGHTS FROM DFT AND SCAPS-1D SIMULATIONS
111	NOUHAILA HADOUDI	GLOBAL BIBLIOMETRIC ANALYSIS OF ADSORPTIVE REMOVAL OF BISPHENOL A AND PENTACHLOROPHENOL FROM AQUATIC ENVIRONMENTS
112	NOUHAYLA RIADI	RECENT ADVANCES IN BIOLOGICAL APPLICATIONS OF BENZIMIDAZOLE MANNICH BASES.
113	OUALID TEKFAOUI	MODÉLISATION MICROMÉCANIQUE DU COMPORTEMENT MÉCANIQUE DES NANOCOMPOSITES : EFFETS DE TAILLE DES NANOPARTICULES ET DES CLUSTERS
<p style="text-align: center;">Room V9</p> <p style="text-align: center;">http://meet.google.com/vgg-ssme-bkk</p>		
114	OMAR OUABOUCH	EVALUATION OF THE THERMAL PERFORMANCE OF BUILDINGS USING NEPCM UNDER VARIOUS CLIMATIC CONDITIONS IN THREE CITIES OF MOROCCO
115	OUEDAD EL-AMMARI	L'EAU AGRICOLE DANS LA LITTERATURE ECONOMIQUE
116	RABOULI MOHAMED	SUSTAINABLE VALORIZATION OF DREDGED SEDIMENTS FROM MEHDIA HARBOR (MOROCCO) IN MORTAR FOR CONSTRUCTION APPLICATIONS
117	RADOUANE ASRI	ENHANCED HYDROGEN STORAGE CAPABILITIES AND AIMD IN Y DECORATED NBS2 TMDS : INSIGHTS FROM A DFT-D3 COMPUTATIONAL ANALYSIS
118	RADOUANE CHATIT	AN EXTENDED NRTL MODEL FOR DESCRIBING THE LIQUID – LIQUID EQUILIBRIUM
119	REGRAGUI IMANE	HYDROCHEMICAL ASSESSEMENT OF GROUNDWATER IN THE GHISS-NEKKOUR PLAIN, MOROCCO
120	ROUWANE SAIDA	APPROCHE INTEGREE DE MODELISATION HYDROLOGIQUE ET D'AIDE A LA DECISION POUR UNE GESTION INTEGREE DU BASSIN VERSANT DU BOUREGREG
121	SAAD LAHRIOUIL	SUSTAINABLE MAGNETITE–SUGARCANE BAGASSE COMPOSITES FOR EFFICIENT REMOVAL DYES FROM WASTEWATER
122	SAID ELMOUSSAOUI	INVESTIGATING THE ROLE OF DECORATING ATOMS IN ENHANCING HYDROGEN STORAGE PROPERTIES OF TWO-DIMENSIONAL MATERIALS: A DFT STUDY



123	SAIDI HASSNAA	OPTIMIZATION AND APPLICATION OF WALNUT SHELL-DRIVER BIOCHAR FOR EFFICIENT REMOVAL OF SALICYLIC ACID FROM WASTEWATER: EXPERIMENT AND THEORETICAL STUDY
124	SALIHI ALAOUI IBRAHIM	COMPARATIVE EVALUATION OF DATE PALM FIBERS AND GUM ARABIC AS BIOSTABILIZERS FOR COMPRESSED EARTH BRICKS
125	SGHYAR SI MOHAMED	CONTRIBUTION A L'ETUDE DE LA QUALITE DES EAUX DE SOURCES ET DU RESEAU SKUNDO DE LA VILLE DE TETOUAN
126	NADIA NAMAT	THERMODYNAMIC OPTIMIZATION OH THE NaCl RbCl PHASE DIAGRAM
<p style="text-align: center;">Room V10</p> <p style="text-align: center;">http://meet.google.com/gff-isdv-ufq</p>		
127	SIAH HOUDA	AB-INITIO INVESTIGATION OF STRUCTURAL, ELASTIC, OPTOELECTRONIC, THERMOELECTRIC AND THERMODYNAMIC PROPERTIES OF THE PURE, DOPED AND CO-DOPED CALCIUM HAFNATE PEROVSKITE FOR PHOTOVOLTAIC APPLICATIONS
128	SOUKAINA BAKKASS	ENHANCING WASTEWATER TREATMENT WITH MOVING BED BIOFILM REACTORS
129	SOUKAINA ZOUAOUI	ON THE ATOMISTIC MECHANISMS OF HYDROGEN DIFFUSION IN AL-V NANOCRYSTALLINE NANOPARTICLES: THE INTERPLAY OF CONCENTRATION, TRAPPING, AND THERMAL ACTIVATION
130	TAIBI SOUMIA	CAROB SEEDS IN INDUSTRY: TOWARDS THE PRODUCTION OF GELLING AGENTS AND BIOMATERIALS
131	TSOULI CHAYMAE	ASSESSMENT OF MICROBIOLOGICAL QUALITY AND EXAMINATION OF HEAVY METAL PRESENCE IN THE GROUNDWATER OF THE FEZ-MEKNES AQUIFER (SAISS), MOROCCO
132	TSOULI CHAYMAE	ASSESSMENT OF HYDROGEOLOGICAL CHARACTERISTICS AND GROUNDWATER DYNAMICS OF THE FEZ-MEKNES AQUIFER (SAISS), MOROCCO
133	WATTATI HIND	SUSTAINABLE VALORIZATION OF LIGNOCELLULOSIC FIBERS VIA CATALYST-FREE GRAFTING OF POLY(E-CAPROLACTONE)
134	YASSINE ELMIZ	FABRICATION OF POROUS GEOPOLYMERS FOR LEAD ION ABSORPTION USING OUXAN AND BARITE RESIDUES
135	ZAKARIAE BOUCHKARA	EXPLORING THE INFLUENCE OF PRINTING PARAMETERS ON TENSILE PROPERTIES OF 3D-PRINTED PEI MATERIAL



136	ZAROUAL FADWA	NUMERICAL MODELING OF NATURAL CONVECTION IN A SQUARE CAVITY FILLED WITH AIR: FRACTIONAL DERIVATIVE FORMALISM
137	ZAROUKI MOHAMED AMINE	OLIVE POMACE-DERIVED GRAPHENE QUANTUM DOTS DECORATED WITH IRON OXIDE NANOPARTICLES FOR EFFICIENT MALATHION REMOVAL FROM ENVIRONMENTAL WATER



POSTERS

ID	Corresponding Author	Communication Title
138	MARYAM ESSKIFATI	TRENDS AND INSIGHTS IN CANNABIS SATIVA-BASED WASTEWATER TREATMENT: A BIBLIOMETRIC ANALYSIS
139	SAFAE TORKA	FABRICATION, CHARACTERIZATION, AND OPTIMIZATION OF KESTERITE THIN-FILM SOLAR CELLS THROUGH SOLVENT ENGINEERING
140	SAHLAOUI NOURA	PRESSURE-INDUCED ENHANCEMENT OF THE PHOTOVOLTAIC PERFORMANCE OF THE LEAD-FREE DOUBLE PEROVSKITE CS ₂ NASCI ₆ : A DFT AND SCAPS-1D STUDY
141	KEBDANI ILHAM	CHANGEMENTS CLIMATIQUES ET SARDINES D'AL HOCEÏMA : QUAND LE CLIMAT REDÉFINIT L'ABONDANCE ET L'ACCÈS À LA RESSOURCE
142	RAIT MOHAMED AMINE	ASSESSING MOROCCAN WATERS WITH WQIS: A CRITICAL SYNTHESIS OF STUDIES 2018 - 2025
143	ER-ROUKHOU REDA	A HIGHLY SENSITIVE PLASMONIC REFRACTIVE INDEX SENSOR BASED ON TRIANGULAR RESONATOR COUPLED WITH T SHAPED METAL-INSULATOR-METAL WAVEGUIDE
144	LAMAYNY KHALID	BOUND STATES IN THE CONTINUUM, FANO RESONANCE AND MAGNETICALLY INDUCED REFLECTION IN TWO CONNECTED MESOSCOPIC STRUCTURE LOOPS
145	BALLOT RIFAT	CARTOGRAPHIE ET ANALYSE DE LA SALINITÉ DES SOLS DANS LA PLAINE CÔTIÈRE DE GHISS-NEKKOUR
146	CHAKKOUR IHSSAN	LIBE _{H3} PEROVSKITE AS A PROMISING HYDROGEN STORAGE MATERIAL
147	SALMA LAGHRABLI	FIRST-PRINCIPLES INVESTIGATION OF THE STRUCTURAL AND HYDROGEN STORAGE PROPERTIES OF THE PEROVSKITE-TYPE HYDRIDE LICAH ₃ .
148	MOHAMED ALI EL-OMAIRI	INTEGRATION OF REMOTE SENSING, GEOPHYSICS, AND ARTIFICIAL INTELLIGENCE FOR THE DETECTION OF HYDRO-MINERAL STRUCTURES: APPLICATION TO AÏT SEMGANE (ANTI-ATLAS, MOROCCO)
149	ABDELKADER MIR	QUALITY OF ELECTIRICAL ENERGY DECOUPLING OF THE POWER GRADE DUE TO UNDER-FREQUENCY
150	BEN RAOUANE MINA	COMPARATIVE MODELING AND SIMULATION OF MPPT STRATEGIES IN PHOTOVOLTAIC SYSTEMS FOR INTELLIGENT ELECTRIC VEHICLE CHARGING
151	BENNANI KAWTAR	COMPREHENSIVE ANALYSIS OF ABSORBER GEOMETRY INFLUENCE ON THE



		THERMAL EFFICIENCY OF SOLAR CONCENTRATION SYSTEMS
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