



1st International Conference on Smart Systems, Renewable Energy, Traditional Foods & Environment Protection

Higher School of Technology of Agadir and Souss-Massa Innovation City May 29-31, 2024 | Agadir, Morocco

ICSREFE'24 Program – Wednesday May 29th, 2024

8H00 – 9H00	Hall ESTA Welcome and Registration of Participants - Higher School of Technology, Agadir Morocco			
9H00 - 9H30	AMPHI II Opening ceremony: Honorary committee, Sponsors, Organizing Committee addresses			
9H30 – 10H30	AMPHI II Keynote Speech of Opening Ceremony Moderators : Prof. F. Achemchem / Prof. G. Ait Baddi "Enhancing microbiological safety Animal-Origin Foods Through emerging technologies", Prof. Poliana Mendes de Souza			
10H30 – 11H15	Hall ESTA Networking & E-Poster Session Coffee Break			
11H15 – 12H00	"AMPHI II" Keynote Speech Smart Systems & Renewable Energy Moderator : Prof. Driss Youssfi "Power Electronics and its Application to Renewable Energy" Prof. Jeyraj Selvaraj	"Salle de Conférence ESTA" Keynote Speech Traditional Foods & Agropastoralism Moderators : Prof. A. Kaaya / Prof. F. Hamadi/ Prof. H. El Hatmi "Insights and Perspectives on Processing Techniques and Characteristics of Moroccan Traditional Fermented Dairy Products" Prof. Samir Ananou	"Salle de Conférence Cité d'Innovation" Keynote Speech Environment Protection Moderators: Prof. M. Souhassou / Prof. S. Gharby / Prof. J. Ayour Gouvernance climatique, un enjeu majeur pour l'avenir de la Région Souss Massa Eng. Ouafae Ez-Zahrani Ville d'Agadir un modèle de territoire intelligent résilient et durable à bas carbone Eng. Laila Oubaali	
Oral Session				
12H00-13H30	"AMPHI II" Oral Session Renewable Energy Moderators: Prof. H. Jakjoud / Prof. B. Bahani / Prof. A. Atmani ICSREFE24_ER1 ICSREFE24_ER2 ICSREFE24_ER3 ICSREFE24_ER4 ICSREFE24_ER5 ICSREFE24_ER6	"Salle de Conférence ESTA" Oral Session Traditional Foods & Agropastoralism Moderators : Prof. A. Kaaya, Prof. F. Hamadi, Prof. H. El Hatmi ICSREFE24_TFA1 ICSREFE24_TFA2 ICSREFE24_TFA3 ICSREFE24_TFA4 ICSREFE24_TFA5 ICSREFE24_TFA6	"AMPHI I" Oral Session Environment Protection Moderators: Prof. M. Banaoui / Prof. A. Ait Addi / Prof. L. Askarne ICSREFE24_ENV1 ICSREFE24_ENV2 ICSREFE24_ENV3 ICSREFE24_ENV4 ICSREFE24_ENV5 ICSREFE24_ENV6	"Salle de Conférence Cité d'Innovation" Oral Session Environment Protection Moderators: Prof. M. Souhassou / Prof. I. Bari / Prof. S. Gharby ICSREFE24_ENV7 ICSREFE24_ENV8 ICSREFE24_ENV9 ICSREFE24_ENV10 ICSREFE24_ENV11
Lunch Break				
14H30 – 16H00	"AMPHI I" Oral Session Smart Systems Moderators: Prof. W. Jenkal / Prof. R. Latif / Prof. A. Moumen ICSREFE24_SS1 ICSREFE24_SS2 ICSREFE24_SS3 ICSREFE24_SS4 ICSREFE24_SS5	"AMPHI II" Oral Session Renewable Energy Moderators: Prof. N. Elghazal / Prof. M. El Azzaoui / Prof. B. Bouachrine ICSREFE24_ER7 ICSREFE24_ER8 ICSREFE24_ER9 ICSREFE24_ER10 ICSREFE24_ER11 ICSREFE24_ER12	"Salle de Conférence ESTA" Oral Session Traditional Foods & Agropastoralism Moderators: Prof. K. Majourhat, Prof. S. Ananou, Prof. E. Khay ICSREFE24_TFA7 ICSREFE24_TFA8 ICSREFE24_TFA9 ICSREFE24_TFA10 ICSREFE24_TFA11	"Salle de Conférence Cité d'Innovation" Keynote Speech Environment Protection Moderators: Prof. E. Ait Addi / Prof. L. Benjelloun / Prof. B. Mouria "Mitigation Of GHG Emissions and Nutrient Conservation Through Integrated Waste Management Strategies", Prof. Balasubramani Ravindran ICSREFE24_ENV12 ICSREFE24_ENV13 ICSREFE24_ENV14
14H30 – 16H00	Hall ESTA Networking & E-Poster Session Coffee Break			

Oral Session

16H45 – 18H15	<p style="text-align: center;">"AMPHI I" Oral Session Smart Systems Moderators: Prof. W. Jenkal / Prof. R. Latif / Prof. A. Moumen</p> <p>ICSREFE24_SS6 ICSREFE24_SS7 ICSREFE24_SS8 ICSREFE24_SS9 ICSREFE24_SS10</p>	<p style="text-align: center;">"AMPHI II" Oral Session Renewable Energy Moderators: Prof. M. Oubella / Prof. M. Zebiri / Prof. A. Qazdar</p> <p>ICSREFE24_ER13 ICSREFE24_ER14 ICSREFE24_ER15 ICSREFE24_ER16 ICSREFE24_ER17 ICSREFE24_ER18</p>	<p style="text-align: center;">"Salle de Conférence ESTA" Oral Session Traditional Foods & Agropastoralism Moderators: Prof. K. Majourhat, Prof. S. Ananou, Prof. E. Khay</p> <p>ICSREFE24_TFA12 ICSREFE24_TFA13 ICSREFE24_TFA14 ICSREFE24_TFA15</p>	<p style="text-align: center;">"Salle de Conférence Cité" Oral Session Environment Protection Moderators: Prof. E. Ait Addi / Prof. B. Mouria / Prof. S. El Hizazi</p> <p>ICSREFE24_ENV15 ICSREFE24_ENV16 ICSREFE24_ENV17 ICSREFE24_ENV18 ICSREFE24_ENV19 ICSREFE24_ENV20</p>
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ICSREFE'24 Program - Thursday May 30th, 2024

8H00 – 9H00	2 nd session of welcome and Registration - Higher School of Technology, Agadir Morocco			
9H00 – 9H45	<p style="text-align: center;">"AMPHI I" Keynote Speech Smart Systems & Renewable Energy Moderator : Prof. A. Elfanaoui</p> <p>"Recent trends on renewable energy and smart grid test systems" Prof. Driss Youssfi</p>	<p style="text-align: center;">"Salle de Conférence ESTA" Keynote Speech Traditional Foods & Agropastoralism Moderators : Prof. V. Cadavez / Prof. M. Hassi/ Prof. R. Mamouni</p> <p>"Current innovative free tools for ensuring safety of food processes and the future outlook" Prof. Ursula Gonzales Barron</p>	<p style="text-align: center;">"AMPHI II" Keynote Speech Environment Protection Moderators: Prof. R. El Boulani / Prof. O. El Asri / Prof. M. Alouani</p> <p>"Climate smart fertilization practices: Insights from a ten-year field experiment in an organic olive orchard", Prof. Miguel Angel Sanchez-Monedero</p> <hr style="border: 0.5px dashed black;"/> <p>"Sustainable wastewater management and climate change: challenges and opportunities for action", Prof. Tawfik El Moussaoui</p>	
9H45 – 10H30	Hall ESTA Networking & E-Poster Session			
Coffee Break				

Oral Session

10H30 – 12H30	<p style="text-align: center;">"AMPHI I" Oral Session Renewable Energy Moderators: Prof. A. Elfanaoui / Prof. H. Charifi</p> <p>ICSREFE24_ER19 ICSREFE24_ER20 ICSREFE24_ER21 ICSREFE24_ER22 ICSREFE24_ER23</p>	<p style="text-align: center;">"Salle de Conférence ESTA" Oral Session Traditional Foods & Agropastoralism Moderators : Prof. V. Cadavez / Prof. M. Hassi/ Prof. R. Mamouni</p> <p>ICSREFE24_TFA16 ICSREFE24_TFA17 ICSREFE24_TFA18 ICSREFE24_TFA19 ICSREFE24_TFA20</p>	<p style="text-align: center;">"AMPHI II" Oral Session Environment Protection Moderators: Prof. N. Ait Aabd / Prof. N. Amkraz/ Prof. A. Zahidi</p> <p>ICSREFE24_ENV26 ICSREFE24_ENV27 ICSREFE24_ENV28 ICSREFE24_ENV29</p>	<p style="text-align: center;">"Salle de Langues L4" Oral Session Environment Protection Moderators: Prof. I. Adraoui / Prof. M. Ait hamza/ Prof. F. El Baz</p> <p>ICSREFE24_ENV21 ICSREFE24_ENV22 ICSREFE24_ENV23 ICSREFE24_ENV24 ICSREFE24_ENV25</p>
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Lunch Break

14H00 – 14H45	<p style="text-align: center;">"AMPHI II" Keynote Speech Smart Systems & Renewable Energy Moderators : Prof. M. Ajaamoum</p> <p>"The productive university experience in Türkiye and its partnership in managing smart technological cities" Prof. Muhammed Adil</p>	<p style="text-align: center;">"AMPHI I" Keynote Speech Traditional Foods & Agropastoralism Moderators: Prof. U. Gonzales-Barron / Prof. P. Mendes De Souza / Prof. L. Benbihi</p> <p>"The Making of Fragile Agro-ecosystems Productive, Adaptive and Sustainable: Multifunctional Agro-pastoralism" Prof. Vasco Augusto Pilão Cadavez</p>	<p style="text-align: center;">"Salle de Conférence ESTA" Keynote Speech Environment Protection Moderators: Prof. R. Bouhouroud / Prof. E. Mayad/ Prof. R. El Moussaoui</p> <p>"Renewable Power to X : opportunities and challenges" Dr. Yassin Zegzouti</p>
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Oral Session

14H45 – 16H45	<p style="text-align: center;">"AMPHI II" Smart Systems Oral Session Moderators : Prof. El Ihsini / Prof. Farhat / Prof. Nadir</p> <p>ICSREFE24_SS11 ICSREFE24_SS12 ICSREFE24_SS13 ICSREFE24_SS14 ICSREFE24_SS15</p>	<p style="text-align: center;">"AMPHI I" Traditional Foods & Agropastoralism Oral Session Moderators: Prof. U. Gonzales-Barron / Prof. P. Mendes De Souza / Prof. L. Benbihi</p> <p>ICSREFE24_TFA21 ICSREFE24_TFA22 ICSREFE24_TFA23 ICSREFE24_TFA24</p>	<p style="text-align: center;">"Salle de Conférence ESTA" Oral Session Environment Protection Moderators: Prof. R. Bouhouroud R./ Prof. E. Mayad E./ Prof. R. El Moussaoui</p> <p>ICSREFE24_ENV30 ICSREFE24_ENV31 ICSREFE24_ENV32 ICSREFE24_ENV33</p>	<p style="text-align: center;">"Salle de Langues L4" Environment Protection Oral Session Moderators: Prof. R. Qessaoui / Prof. A. Tahiri / Prof. A. Wifaya</p> <p>ICSREFE24_ENV34 ICSREFE24_ENV35 ICSREFE24_ENV36 ICSREFE24_ENV37</p>
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16H45 – 20H00	City Tour & Networking Events in Agadir	<p style="text-align: center;">"Salle de Conférence ESTA" 1st Face-to-Face Meeting PRIMA project Pas-Agro-Pas - Friday May 31th, 2024 (reserved session)</p>		
		9H00-9H30	Welcoming and Registration - Higher School of Technology, Agadir Morocco	
		Coffee Break		
		10H30 – 11H30	Coordination and program	
		11H30 – 13H30	WP2 / WP3	
		Lunch Break		
		14H00 – 16H00	WP4 / WP5	
		Coffee Break		
		16H30-17H30	WP6	
		1 st Face-to-Face Meeting PRIMA project Pas-Agro-Pas - Saturday June 1 st , 2024		
		9H00-10H00	WP7	
		Coffee Break		
		10H30 – 12H30	Final Report, Minute & Closing Ceremony	
		Lunch Break		

"Salle de Conférence Cité d'Innovation"
ICSREFE'24 Program – Friday May 31th, 2024

9H00 – 10H30 Ronde Table: Industrial Research & Innovation

Coffee Break

11H00 – 12H00

- Trophy Award Ceremony: Best Oral Communications & Poster Communications per Session
- Final Report & Closing Ceremony

Smart Systems Session

- ICSREFE24_SS1 : Anas Berka, "A deep learning approach for remote monitoring of cactus health"
- ICSREFE24_SS2 : Bouchra Bendahane, "FPGA-based Hardware Implementation of An ECG Signal Pre-processing Technique".
- ICSREFE24_SS3 : Abdenbi Elyamani, "Modeling of Switching Properties of Soa Gate By The XGM Mechanism"
- ICSREFE24_SS4 : Giuseppe Todde, "Improving precision livestock farming with wearable devices and digital technologies".
- ICSREFE24_SS5 : KaoutarBoumalek, "AI-Powered Microlearning for Energy Sustainability in Modern Learners' Education".
- ICSREFE24_SS6 : Lahcen Sellak, "Comparative Analysis of ANN and ANFIS for Determining Dimensions of Miniaturized Dual-Band Antennas for 5G mmWave Applications".
- ICSREFE24_SS7 : Mohamed Oubraime, "Automatic selection of the hybrid ARIMA-ML algorithm to forecast the capacity of Moroccan dams based on SVM model classification".
- ICSREFE24_SS8 : Hanane El Ferdaoussi, "Advances in FPGA-Based Architectures for ECG Signal Processing and Classification: A Review".
- ICSREFE24_SS9 : Adnan El Bouazzaouy, Nissrine Khouna, "The contribution of NICTs to the performance of logistics chains: a verification test on the case of pharmaceutical product distribution".
- ICSREFE24_SS10: Khalid Cherifi, "Optimization of solar street lighting network by integrating data cloud logging, Optimization of solar street lighting network by integrating data cloud logging".
- ICSREFE24_SS11 : Karim Amkar, "The internet of things for smart cities: a review of technologies and applications"
- ICSREFE24_SS12 : MohammedMensouri, "Data integrity protection in the Internet of Things (IoT) using Cyclic Redundancy Check (CRC) codes".
- ICSREFE24_SS13 : MustaphaEddahibi, "Towards a geomarketing system for local products cooperatives"
- ICSREFE24_SS14 : NajibAbekiri, "Embedded Bidirectional Switching System For Remote Hands-On Experiments"
- ICSREFE24_SS15 : Rida El Abassi, "Deep learning approach to modelling oil price variations".

Renewable Energy Session

- ICSREFE24_ER1: Abdellah El Idrissi , Modeling and Performance Analysis of a PEM Electrolyzer for Renewable Energy Integration.
- ICSREFE24_ER2: Mohamed Benydir, Robust DC Bus Voltage Regulation in Microgrids Using Advanced Control Techniques.
- ICSREFE24_ER3: Mohamed Elhafydy, Optimizing and managing integration of solar and wind power in amicrogrid: A case study from morocco.
- ICSREFE24_ER4: Kaoutar Dahmane, Harmonic filtering by Shunt Active Filtering based on the Artificial Neural Network approach within a grid.
- ICSREFE24_ER5: Youssef Oubail, Study and testing of the robustness of active disturbance rejection control (ADRC) applied to a grid-connected microgrid.
- ICSREFE24_ER6: Naama El Ghazal, Analyzing the flux distribution in a novel three-phase high-voltage transformer with magnetic shunts.
- ICSREFE24_ER7: Yahya Dbaghi , Super-twisting sliding mode power control of doubly fed induction generator based on wind turbine system.
- ICSREFE24_ER8: Dyaé Daou, Comparative Analysis of MPPT Techniques for DFIG-Based Wind Turbines: TSR, PI, and Backstepping Controls.
- ICSREFE24_ER9: Rachid Zriouile, Artificial neural network MPPT with PI controller for solar battery charger.
- ICSREFE24_ER10: Yassine El Aidi Idrissi, ANN based MPPT technique applied to PV pumping system.
- ICSREFE24_ER11: Amine Elhoure, Strategies for Overcoming Secondary Side Issues in PSFB Converters for High- Power DC-DC Applications.
- ICSREFE24_ER12: Belkasem Imodane, Real-time implementation of a fuzzy logic controller for output voltage regulation in a wind turbine-boost converter system using a LAUNCHXL-F28069 DSP board.
- ICSREFE24_ER13: Hicham Idadoub, Comparison and experimental validation of photovoltaic models.
- ICSREFE24_ER14: Khalid Cherifi, Comparative analysis flat vs cylindrical photovoltaic solar streetlights design & performance.
- ICSREFE24_ER15: Mohammed Chaker, Experimental demonstration of diverse testing protocols for assessing a commercial on-grid inverter using a PV emulator-based testing system.
- ICSREFE24_ER16: Rajaa Oumghar , New technology of single-phase column-type Magnetic flux leakage transformer for HV power supplies of microwave generators.
- ICSREFE24_ER17: Soufyane Ait El Ouahab, Efficient control and monitoring of renewable energy systems using the temperature parametric (TP) method for detecting the maximum power point of PV modules with a buck converter across varying environmental conditions.
- ICSREFE24_ER18: Otman Oussalem, A Comparative Study of three classical strategies of MPPT.
- ICSREFE24_ER19: Doha Kabouchi, Enhancing hydrogen production efficiency through the photocatalytic properties of Perovskite NdMnO₃: A First-Principle Study.
- ICSREFE24_ER20: Saaida Baoubih, Experimental Studies of Indium-Doped SnO₂ Thin Films Prepared by Spray Technique for Photovoltaic Applications..
- ICSREFE24_ER21: Aicha Eddemani, High temperature air-rock bed thermal energy storage system.
- ICSREFE24_ER22: Ayoub Etrini, High Specific Capacity and High Performing Lithium-Ion Battery Anode over 2D Dirac ZrB₂C₂.
- ICSREFE24_ER23: Hanane Ziani, Strain Effects on Structural, Electronic and Optical Properties of GeAs/GaTe Van der Waals Heterostructures: A first-principles study.

Traditional Foods & Agropastoralism

- ICSREFE24_TFA1 : Houssam Abouloifa, Characterization of antimicrobial compounds obtained from the potential probiotic *Lactiplantibacillus plantarum* S61 and their application as a bio-preservative agent.
- ICSREFE24_TFA2 : Meryem Bouraqqadi, Innovative application in the natural preservation of fermented sausages: combined use of aromatic and medicinal plants and enterocin OS1 produced by *Enterococcus hirae*.
- ICSREFE24_TFA3 : Assya Aharrar, Unveiling the Dual Action of *Lavandula Mairei*: Targeting Exopolysaccharide Biosynthesis and Protein Synthesis in *Klebsiella Pneumoniae* for Potential biofilm inhibition.
- ICSREFE24_TFA4 : Youssef Ezzaky, Rosemary and thyme essential oils: potential biopreservatives for enhancing Merguez sausage safety during fermentation.
- ICSREFE24_TFA5 : Abdelmalek Mahroug, Evaluation of the in vitro antibacterial activity of extracts and essential oils from *Eucalyptus torquata* against *Clavibacter michiganensis* subsp. *michiganensis* (Cmm), the causal agent of bacterial canker in tomato.
- ICSREFE24_TFA6 : Ahmed Elidrissi, Application of lactic acid bacteria for the bioprotection of sea bass fillets against *Listeria monocytogenes*.
- ICSREFE24_TFA7 : Ikram Bachtì, Evaluation of the effect of chemical treatments on the conservation of garlic bulbs (*Allium sativum* L.).
- ICSREFE24_TFA8 : Asmaa Benkerroum, Comparative evaluation of antibacterial activities in *Crocus sativus* L. stigmas and petals extracts from Taliouine, Morocco.
- ICSREFE24_TFA9 : Rachid Boutiddar, A comprehensive in silico computational study of the antibacterial potential of fluoroisoxazolidine derivatives against *Staphylococcus aureus*.
- ICSREFE24_TFA10 : Abderrahim Asbbane, Lipid oxidation of argan compared to virgin olive and cactus oils: Rancimat test for kinetic and thermodynamic analysis.
- ICSREFE24_TFA11 : Omaira Boudaia, Antioxidant and antigenotoxic properties of Flavonoid extracts from *Tetraena gaetula* and *Smyrniolum olusatrum*: A comparative study.

ICSREFE24_TFA12 : Mariem Zanzan, Effect of Enterococcus mundtii A2 exopolysaccharides against pathogenic bacteria adhesion

ICSREFE24_TFA13 : Ziky Fatimzahra, Drying and Valorization of Capsicum annum 'Niora': Optimization of Extraction Systems.

ICSREFE24_TFA14 : Zineb Sekkout, Anti-inflammatory properties of Smyrnium olusatrum extracts: Investigating effects via Tetrahymena thermophila cell culture analysis.

ICSREFE24_TFA15 : Hamza Tami, Developing innovative meat products from the agropastoral system of goats in the argan forest in the Souss-Massa region.

ICSREFE24_TFA16 : Mohamed Amellal, Influence of Agropastoralism in Goats on Dairy Product Quality and Safety in the Souss Massa Region.

ICSREFE24_TFA17 : Sanaa Benassila, Effect of Lyophilized and Frozen Lactic Acid Bacteria starter cultures on Fresh Cheese Quality.

ICSREFE24_TFA18 : Nathalia Fernandes, Exploring the technological potential of lactic acid bacteria from alheira: insights into antimicrobial activity and species diversity for enhanced food safety.

ICSREFE24_TFA19 : Kaoutar Boussif, Enhancing vegetable products by lacto-fermentation: Technical and microbiological aspects.

ICSREFE24_TFA20 : Sabrina El Metennani, A systematic review and meta-analysis of anisakids prevalence in aquaculture in European countries.

ICSREFE24_TFA21 : Nathalia Fernandes Meta-Analysis on Autochthonous Lactic Acid Bacteria Supernatant from Dairy Goods in Suppressing Listeria monocytogenes.

ICSREFE24_TFA22 : Jrad Zeineb, Raw Milk Cheese Preservation by Using Tunisian Rosemary Extract.

ICSREFE24_TFA23 : Hamza Tami, The Agropastoral System of Goats: Characteristics of Goats' Meat in the Argan Forest in the Souss-Massa Region-Morocco.

ICSREFE24_TFA24 : Jamal Ayour, Control of cell wall enzymatic activity: A reliable technique in the fleshy fruit preservation.

Environment Protection

ICSREFE24_ENV1: Ouahid Elasri, "Genetically modified microorganisms: a new trend in the recovery of industrial waste".

ICSREFE24_ENV2: Nirjhar Chakravorti, "Life Cycle Cost Analysis: an Economic Model for Sustainable Tomorrow".

ICSREFE24_ENV3: Safa Zaidouni, "Comparative life cycle assessment of three scenarios for managing agricultural waste: Case of tomato biomass residue".

ICSREFE24_ENV4: Rachida Belaaribi, "Efficient PET waste recycling: alkaline hydrolysis for terephthalic acid production from post-consumer bottles".

ICSREFE24_ENV5: Bouchra Darkaoui, "Impact of Climate-Smart and Water-Saving Frontier Agriculture on the WEFEX Nexus in Arid Mediterranean Regions".

ICSREFE24_ENV6: Abdelhamid Nouayti, "Assessment and Prediction of Atmospheric Gross Beta Radioactivity Levels in Granada, Spain".

ICSREFE24_ENV7: Mohamed Rhaya, "Efficient photocatalytic degradation of ciprofloxacin antibiotic under natural sunlight using a novel ternary composite with dual Z-Scheme".

ICSREFE24_ENV8: Imad Rabichi, "Turning Waste into Resource: Biochar Production and Application for Olive Mill Wastewater Treatment".

ICSREFE24_ENV9: Mouad Lazrak, "Smart Composting: Real-Time monitoring of physicochemical parameters using IoT technology".

ICSREFE24_ENV10: Karim Sahla, "Assessment of the state of health of the coastal ecosystem south of Agadir Bay after the installation of the DOUIRA seawater desalination plant: Study using microbiological and physicochemical approaches".

ICSREFE24_ENV11: Fatima ezzahra Yaacoubi, "Adsorption of methylene blue on activated carbon/alginate beads".

ICSREFE24_ENV12: Ikram Beraouz, "Crocus sativus L. by-products: A natural ally in the fight against oxidative stress and diabetes".

ICSREFE24_ENV13: Othman Hallouch, "Exploring the Valorization Potential of Argan, Nigella, and Sesame Press Cakes: Proximate Composition, Antioxidant Activity, Lipid Analysis, and Elemental Profiling".

ICSREFE24_ENV14: Amina Braimi, "Optimizing Soil Nematode Ecology for Enhanced Management of Morocco's Arganeraie Biosphere".

ICSREFE24_ENV15: Hasna Befenzi, "Physicochemical characterization of domestic wastewater from antibiotics contaminated wastewater and its biological treatment".

ICSREFE24_ENV16: Hamza Ighnih, "Synergistic enhancement of pollutant removal from water by using BiOCl/BiOBr heterojunction on clay surface and sunlight irradiation".

ICSREFE24_ENV17: Brahim Ennasraoui, "An exceptionally effective CN/BiX/AgY dual Z-scheme system with solar-powered capabilities for degrading MB dye via photocatalysis".

ICSREFE24_ENV18: Ilham Karmal, "Innovative scientific study on the prevention of inorganic membrane fouling during water demineralization using eco-friendly inhibitors".

ICSREFE24_ENV19: Kawtar Ezzahi, "Sustainable polyphenol adsorption from olive mill wastewater using biochar derived from olive mill waste".

ICSREFE24_ENV20: Yazid Saadi, Irrigation Scheduling Methods: a comparison study.

ICSREFE24_ENV21: Yassine Rakcho, "Fabrication and characterization of a ceramic membrane from clay and tea waste: Application to industrial wastewater treatment".

ICSREFE24_ENV22: Kamal Ait El Bacha, "Facile synthesis and characterization of a novel Arginine doped polyaniline@OS composite for highly efficient removal of ion chromium from water".

ICSREFE24_ENV23: Imane Maimoune, "Study of drug derivatives synthesized in the laboratory as corrosion inhibitors for mild steel in 1M HCl solution".

ICSREFE24_ENV24: Abdallah Zoubi, "Understanding causes of food loss and wastes at the processing, distribution and consumption stages in Morocco".

ICSREFE24_ENV25: Zaina Izghri, "Greenhouse-Dried Olive Pomace Pellets: From Food Waste to Renewable Energy Source".

ICSREFE24_ENV26: Tariq El Orfi, "Impact of land use and land cover changes on soil erosion in the Upper Oum Er Rbia watershed (Morocco)".

ICSREFE24_ENV27: Khaoula En-Nejmy, "Microplastics in terrestrial environment: quantitative, qualitative analysis and distribution within soil profiles".

ICSREFE24_ENV28: Sanae Ouzkar, "Utilizing organic waste from sheep abattoirs to boost lipid production in Phaeodactylum tricornutum: A promising approach towards greener biodiesel".

ICSREFE24_ENV29: Mouad Lazrak, "Solar Distillation System for Treatment of Landfill Leachate: A Case Study of Agadir Landfill Site".

ICSREFE24_ENV30: Redouan Qessaoui, "Pseudomonas bacteria: Their role in promoting plant growth and controlling pests and diseases".

ICSREFE24_ENV31: Mammass Bourassen, "Antibacterial activity of two medicinal plant extracts against the causal agent of tomatoes bacterial canker: Clavibacter michiganensis Subsp. Michiganensis".

ICSREFE24_ENV32: Youssef El Hilali Alaoui, "Modeling the Nutritional Behavior of Soil-Borne Fusarium in Three Oasis Agroecosystems in Morocco".

ICSREFE24_ENV33: Youssra Zahiri, "Regional nutritional profile and antioxidant activity of Gelidium sesquipedale and résidu from the Moroccan Atlantic coast".

ICSREFE24_ENV34: Lamia Laaraj, "The mutual impact between the population dynamics of Mytilus galloprovincialis and Perna perna and the harvesting of mussels in the Massa-Tifnit area (southwest Morocco)".

ICSREFE24_ENV35: Imane Charroud, "Isolation, characterization and exploring biotechnological potential of halophilic archaea from Moroccan lagoon of Oualidia".

ICSREFE24_ENV36: M'barka Elqdhly, "Entomopathogenic Nematode as Biological control Agents Against Ceratitis capitata (Wiedemann, 1824) in Integrated Pest Management".

ICSREFE24_ENV37: Chaima Sekkouri, "Application of Biochar for plants growths parameters improvement".