

Centre d'études Doctorales Sciences et Techniques

Faculté des Sciences

Université Mohammed v de Rabat

## **Programme des Journées doctoriales 2023**

**Du 15 au 20 Mai 2023**

**Lundi 15 Mai 2023 :**

14h30- 15H : Cérémonie d'ouverture des doctoriales

15H-16H : Conférence plénière : Dr. Ouali BENMEZIANE,  
*Les tendances du digital que vous devez comprendre et intégrer dans  
votre carrière: Web3, A.I, Blockchain, Data Analytics & Automation.*

16H-16H30 : Débat

**Du Mardi 16 Mai 2023 au Samedi 20 Mai 2023**

- Conférences thématiques
- Présentations orales des travaux des doctorants (C.O et C.A)
- Ateliers de formation

*N.B. L'ensemble des étudiants auront à présenter leurs travaux devant un jury :*

- Communication orale (PPT): 15min
- Poster : 5 min (en présentation orale)
- Des communications auront lieu à distance pour les doctorants en stage à l'étranger.

**Thematics: High Energy Physics, Gravitation and Cosmology - Quantum Physics and Applications**

**Tuesday 16<sup>th</sup>, May 2023**

**Room: Amphi Birouni**

**Jury : Pr Lalla Btissam Drissi, Pr Rachid Ahl Laamara, Pr Hanane El Hadfi, Pr Farida Fassi**

10:15	MALAK AIT TAMLIHAT	A search for gravitons in light by light scattering at the LHC
10:30	HAJAR BELMAHI	Black holes in AdS spaces
10:45	MOHAMED BENALI	On optical behaviors of cosmological black holes
11	MERIEM BENDAHMAN	Multi detector Core Collapse Supernova neutrino analyses
11:15	SARRA BENELMALIH	CALIBRATION OF SUPER KAMIOKANDE USING AN ELECTRON LINAC
11:30	YOUSSRA BOUJAKHROUT	Integrable Superspin Chains in String Theory
pause	pause	pause
12 :00	OMAR CHAHBOUN	Le paradigme MOND : une solution simple aux courbes de rotation des galaxies
12:15	AHMED EDDYMAOUI	Search for magnetic monopoles with the KM3NeT neutrino telescope
12:30	HOUDA FILALI	Holographic F(Q,T) gravity with Lambert solution
12:45	LAMAAOUNE MUSTAPHA	Inflation cosmologie
13 :00	ZAINAB SOUMAIMI	Search for Higgs boson decays to beyond the Standard Model light bosons in four lepton final states with the ATLAS detector at the LHC
13:15	MOHAMMED ABDELLAOUI	Quantum Fisher information and skew information correlations in dipolar spin system

**Wednesday 17<sup>th</sup>, May 2023**

**Room: Amphi Birouni**

**Jury : Pr Lalla Btissam Drissi, Pr Rachid Ahl Laamara, Pr Hanane El Hadfi, Pr Farida Fassi**

10:15	MOHAMED HOUSNI EL MOUBARAKA BEN ABDOU CHAKOUR	ON THE COUPLING OF AUTONOMOUS QUANTUM REFRIGERATORS
10:30	NOUR EDDINE ABOUELKHIR	Estimating phase parameters of a three level system interacting with two classical monochromatic fields in simultaneous and individual metrological strategies
10:45	HICHAM AIT MANSOUR	Quantum Otto engine using InAs quantum dots
11	FATIMA AZZAHRAA AMARCHA	Set Covering Problem With paraphrase Unmanned Aerial Vehicle Considering Fixed Radius Coverage Constraint
11:15	FADWA BENABDALLAH	Thermal quantum correlation via skew information of a spin 1/2 Heisenberg trimer system
11:30	SOUHAIB BENBOUAZZA	Support Vector Machines: A Powerful Tool for Classification Tasks
pause	pause	pause
12	TAOUFIQ BOUASSA	évaluation neutronique de divers concepts de gainage tolérants aux accidents pour un potentiel de combustible annulaire à double refroidissement (Th 233U 235U)O <sub>2</sub> pour les réacteurs avancés à eau pressurisée
12:15	ZAKARIA DAHBI	On the effect of induced transition on quantum resources of two qubit DQDs
12:30	FADWA EL AYACHI	General Classification of Entanglement Using Machine Learning
12:45	OUMAYMA EL BIR	Study of quantum correlation in Optomechanical cavities
13	KHADIJA EL HAWARY	Performance of an XXX Heisenberg model based quantum heat engine, and tripartite entanglement
13:15	ABDELKADER EL MAKOURI	Enhancing the performance of coupled quantum Otto thermal machines without entanglement and quantum correlations

**Thursday 18<sup>th</sup>, May 2023**

**Room: Amphi Birouni**

**Jury : Pr Lalla Btissam Drissi, Pr Rachid Ahl Laamara, Pr Hanane El Hadfi, Pr Farida Fassi**

10:15	MOHAMMED EL QESSOUAR	Informations de Fisher Quantique dans la teleportation Quantique
10:30	JAMAL ELFAKIR	Geometry of quantum states space and its appearance in quantum correlations
10:45	NADA IKKEN	Controlled quantum teleportation between discrete and continuous physical systems
11	MOHAMED LKOUZ	resolution de l equation de transport neutronique par la methode Pij moyennant le code APOLLO2 et la comparaison avec le code MCNP
11:15	HANAN SAIDI	Quantum metrology with superposition spin coherent states
11:30	HAMID SAKHOUF	Quantum process tomography of the single shot entangling gate with superconducting qubits
11 :45	SAIDA TAHIR	The Effect Of Inhomogeneity Of Seismic Faults On The Dynamics Of Earthquakes

**Thematic: Materials Sciences: Corrosion**

**Tuesday 16<sup>th</sup>, May 2023**

**Room: Amphi IBN HAYAN**

**Jury : Pr Najoua Labjar, Pr Ghita Benabdellah, Pr Dalimi, Pr M.Benmessaoud**

10:15	BRAHIM ABIDI	Use of different alcoholic extracts of TALF to inhibit corrosion of C38 steel in 1M HCl medium
10:30	MOHAMMED ABOUCHANE	Exploratory Experiments Supported by Modeling Approaches for TGEEA New Epoxy Resin as a Contemporary Anti Corrosion Material for C38 Steel in 1 0 M HCl
10:45	FARID AIT HADDOU	Etude de la corrosion abrasion des alliages inoxydables dans l industrie phosphoriques
11	HEFDH ALDEEN AL SHARABI	Inhibition of corrosion of C38 in HCl medium by an alcoholic extract of the Boswellia Serrate plant from Yemen
11:15	ZAKARIA AMRANI	Etude d'inhibition de la corrosion d acier doux en milieu HCl 1 M par le nouveau derive de quinoleine
11:30	BOUISSOUI EL MEHDI	Electrochemical analysis of combined effects of SF waste on the corrosion reinforced concrete
pause	pause	pause
12	MOHAMMED BASSIM EL IDRISI	study of corrosion inhibitors of steel and coper by a organic compounds such as quinoxaline in an aggressive environment
12:15	HOSSAM KOURI	Inhibition of corrosion of C38 steel in 1M H3PO4 medium

		by an esomeprazole drug waste
12:30	NOUHAILA BENCHAABANE	Valorisation of the essential oil against the corrosion of mild steel in hydrochloric acid medium 1M
12:45	OUIAM BENYAHYA	The effect of pH on the corrosion of Cobalt Chrom dental alloy
13	ICHAQ BOUHOUCHE	From Waste to Resource: Utilizing Green Tea Waste for Sustainable Development for various sectors
13:15	KHALID BOUITI	Effect of temperature on corrosion inhibition by ethanolic extract of Eriobotrya Japonica seeds in chloride medium 1M
13 :30	NABIL OUADGHIRI	Inhibiting effect of the Fruits of Schinus Terebinthifolius essential oils on corrosion of carbon steel in 1M HCL

### Wednesday 17<sup>th</sup>, May 2023

#### Amphi-ENS

**Jury : Pr Saufi, Pr A. EL BOUKILI, Pr O. Sassi**

10:15	NOURA EL GHOUBALI	Clay based materials for solar energy
10:30	ASMA BARRAHI	Electrochemical study on the anticorrosive characteristics of benzothiazole derivative on carbone steel in 1M HCl acid solution
10:45	MILOUD ERRILI	etude electrochimique d une nouvelle molecule a base de mercaptobenzimidazole contre la corrosion du Cu 30Ni dans une solution de NaCl a 3 \%
11	FATIMA IBOURK	Etude comparative du comportement de l'alliage nickel aluminium bronze (NAB) en differentes milieux aqueuses
11:15	CHADINE BELMEJDOUB	Experimental study of the anticorrosive behavior of a derivative of hydroxyquinoline (Product 1) for carbon steel in 1M HCL
11:30	SARA KSAMA	The corrosion inhibition of mild steel in 1M HCl acid solution by DAB fish extract
pause	pause	pause
12	GHIZLANE LAADAM	Corrosion inhibition of carbon steel in 1M HCl using new compound: Electrochemical adsorption and DFT studies
12:15	SARA LAHMADY	Performance and efficiency of Carob seed vegetable oil (CSVO) as an eco friendly inhibitor for carbon steel in 1 0 M HCl
12:30	HASSNAE MAHER	Effet du mode de semis et des doses d'azote sur le rendement du ble dur (Triticum durum Desf) sous semis direct dans le site de Marchouch
12:45	AYOUB MARZAQ	Evaluation of corrosion inhibition properties against mild steel in an acidic environment using new synthesized organic molecule
13	ANSAR	New epoxy resin as a corrosion inhibitor for the protection of

	MOHAMED ELMAHDI	carbon steel C38 in 1M HCl Experimental and theoretical studies
13:15	MANAL NACIRI	An experimental evaluation of a new 1,2,4 triazole derivative as a potential corrosion inhibitor for carbon steel in HCl
13 :30	NADIA TIMOUDAN	Electrochemical, surface analysis, and computational investigations of newly imidazole derivative as corrosion inhibitor for C steel in diluted hydrochloric acid

**Thematic: Material Sciences: Environment**

**Tuesday 16<sup>th</sup>, May 2023**

**Room: Salle 7 (département de Chimie)**

**Jury: Pr G. Kaichouh, Pr A. Zarrouk, A.Khabbazi, Pr A.Kabouri**

10:15	MERYEM ABBADI	An efficient Ce <sub>1-x</sub> Zn <sub>x</sub> O <sub>2</sub> solid solution catalysts for the mineralization of diclofenac under solar light
10:30	MARIYEM ABOURI	Synthesis of semiconductor based composites for use in the photodegradation of organic pollutants in water
10:45	HIND AGOURRAME	The effects of NaOH concentration of Synthesis of Hydroxyapatite from Blast Furnace black Slag and evaluation of adsorption properties
11	CHEIKH AHMED BABE	Etudes, caractérisations des argiles mauritaniennes en vue de leurs utilisations comme membranes naturelles pour le traitement des eaux
11:15	KHALIL AHRAIFOU	Elaboration and structural investigation of the new phosphate (Ba, Zn) <sub>3</sub> Fe <sub>4</sub> (PO <sub>4</sub> ) <sub>6</sub>
11:30	YASMINA ALAOUI	Structural properties analysis of a ternary phosphate based glass system
pause	pause	pause
12	FOUAD ALLOUN	Ag <sub>4</sub> CoFe <sub>2</sub> (PO <sub>4</sub> ) <sub>4</sub> : synthesis, crystal structure, and electrical and magnetic behaviors
12:15	BADR AOUAN	Application du plan composite central pour l'optimisation du développement d'un géopolymère à base de metakaolin comme adsorbant pour le traitement de l'eau
12:30	AMINA BADIR	Plasmonic nanoparticles synthesis and their application for enhancing visible absorption of dye molecules
12:45	OUMAIMA BARZALI	Effect of the Na <sub>2</sub> O on the structure and chemical durability of the xNa <sub>2</sub> O (45 x) B <sub>2</sub> O <sub>3</sub> yP <sub>2</sub> O <sub>5</sub> zMnO system borophosphate glasses
13	IBRAHIM BOUDENE	Diode red light induced holographic gratings in smart azo polymer materials
13:15	OMAR BOUKRA	Adsorption of levomepromazine drug using hydroxyapatite

**Wednesday 17<sup>th</sup>, May 2023**

**Room: Salle 7 (département de Chimie)**

**Jury : Pr A. El Hamidi, Pr H. Ezzaki, Pr M. Dahhou**

10:15	ALI BOUKRA	Study of the adsorption process of levomepromazine by a amino acid (glycine) grafted hydroxyapatite
10:30	HANANE BOUTKHIL	Physico chemical Properties and durability of fly ash based geopolymer
10:45	IMANE BROGI	Experimental and theoretical partial and integral enthalpies of mixing of liquid quaternary Cu In Sn Zn alloys
11	CHAYMAE EL ALAMI	Prospective silver ion based conductors Ag <sub>2</sub> MII <sub>3</sub> (HPO <sub>4</sub> )(PO <sub>4</sub> ) <sub>2</sub> (MII=Co, Ni) : Geometry and energy simulation
11:15	SIRINE EL ARNI	Synthesis, structural characterization and magnetic properties of CoInOPO <sub>4</sub> with the a Fe <sub>2</sub> OPO <sub>4</sub> structure
11:30	YASSINE EL MAATAOUI	Transforming Brick Waste into Sustainable Geopolymer: A Promising Solution for the Construction Industry
pause	pause	pause
12	ASMAE EL YAHYAOU	Synthesis and characterization of high quality MAPbCl <sub>3</sub> thin films via hot airflow
12:15	MOURAD EL YOUSSEFI	Investigation of Trace Elements in Some Spices Commercialized in Morocco by Inductively Coupled Plasma Mass Spectrometry (ICP MS)
12:30	AICHA ELAOUNI	Hydrothermal synthesis and characterization of three dimensional Bi <sub>2</sub> WO <sub>6</sub> and Bi <sub>2</sub> MoO <sub>6</sub> for enhanced visible light photocatalytic reduction of CO <sub>2</sub> to CH <sub>4</sub>
12:45	ASMAE ER RAFAI	The Effect of $\$Li_{20}/K_{20}\$$ Ratio on the Electrical and Dielectric Properties of $\$Li_{20}-K_{20}-MoO_{3}-P_{20}O_{5}\$$ Glasses
13	HATIM FATTOUMI	Synthesis of nitrogen doped ZnO nanoparticles by sol gel process for UV light photodegradation of azo dye
13:15	MOUAD HARRAMI	Elaboration of fired clay composite employing coal waste and olive pomace as raw materials

**Thursday 18<sup>th</sup>, May 2023**

**Room : ENS**

**Jury : Pr O. Sassi, Pr A. Ben Ali, Pr A. Benzaouak, Pr K. Benbouya**

10:15	NADIA IBEN SINA	Synthese et caracterisation des mousses geopolymeres et applications dans l adsorption des metaux lourds
10:30	SARA IBN ELHAJ	Study of thermal and mechanical properties of clay based material with Alfa fibers
10:45	AICHA IQAJTAOUUNE	Development and optimization of bentonite adsorbent for water treatment
11	AYOUB KAAOUASS	Synthesis, characterization and photocatalytic properties of CaO B <sub>2</sub> O <sub>3</sub> V <sub>2</sub> O <sub>5</sub> Borovanadate glasses

11:15	YOUSSEF KHALLOUKI	Valorization of biomaterials based on calcium phosphate
11:30	ANAS KRIME	Optimization of CIP adsorption onto Moroccan oil shales using a factorial design
pause	pause	pause
12	OUMAIMA TATLALOU	Conversion catalytique du 4 nitrophenol en 4 aminophenol par les nanoparticules de nickel supportées sur un hydroxyde bimétallique
12:15	AMINE RAFIK	Algebraic description of the vibrational spectroscopy of HCN and HNC isomers
12:30	SOUHAYLA LATIFI	Functionalized Hydroxyapatite as an efficient flame retardant for textile materials: Preparation and combustion behavior
12:45	NOUR EDDINE LAZAR	Photocatalytic enhancement of a ferroelectric lithium tantalate doped lithium niobate $\text{LiNb}_3\text{Ta}_2\text{O}_7$ for organic dyes degradation
13	ILYASS LISSER	Synthèse de nouveaux nanomatériaux ferrite pour des applications industrielles
13:15	SAFIA LOTFI	Rare Earth Orthovanadates: Synthesis, characterization and photocatalytic application

**Friday 19<sup>th</sup>, May 2023**

**Room : Salle 7, Département de Chimie**

**Jury : Pr H. Ait Ahsaine, Pr J. Khmias, Pr A. Guessous**

10:15	JIHANE MOUDAR	Characterization of belitic phase elaborated from shell and glass powders
10:30	FATIMA ZAHRA MOUFAKKIR	Electrosynthèse en milieu phosphorique d'un matériau pseudo capacitif utilisé dans le stockage d'énergie
10:45	AZZEDINE MOUSSADIK	Mineralogical study of a binder based on alkali activated coal gangue
11	LHACHMI MOUSSAOUI	Use of algae based materials for wastewater treatment
11:15	FATIMA OUZOUN	Chloride transport resistance of aerated Alkali activated fly ash/electric arc furnace slag mortars
11:30	NABIL LAHRACHE	introduction to multifunctional coatings surfaces
pause	pause	pause
12	SORAYA LAKHLOUFI	Electrochemical Evaluation of the Effect of pH and Temperature on the Degradation of Lithium Disilicate Glass Ceramics
12:15	AMAL ZAHROUR	Synthesis and study of titanium integration into the sulfoaluminate phase



## Thematic: Physical Properties of Materials I and II

**Room: SALLE 17**

**Tuesday 16th, May 2023**

**Jury : Pr Y CHRAFIH, Pr F-Z Ramadan, Pr. M. Benaissa, Pr. Salmani, Pr. O Mounkachi, Pr S. Aazou**

10:15	ABDELALI AIT TALEB	Study the effects of metal doping on electronic structure, magnetic and optical properties of two dimensional materials: Density function theory
10:30	ABDELHAMID AMAHOUC	Etudes des proprietes electroniques et magnetiques des DMS pour la spintronique
10:45	WIAM AMGHAR	A DFT study of electronic, magnetic, optical and transport properties of rare earth element (Gd, Sm) doped GaN material
11	ABDELAZIZ AMGHOUS	etude les proprietes structural, magntique et dynamique de de composant SiGe dope par les metaux de transition
11:15	ABDELHAKIM ARBAOUI	Propriete magnetiques et thermodynamique des systeme nano
11:30	HIND ASSERGHINE	Proprietes electroniques et magnetiques des nanorubans 1T TiSe2
pause	pause	pause
12	EL MOUTAOUAKIL AYOUB	A study of the structural, electronic, optical, and lattice dynamical properties of AgGaS <sub>2</sub> using density functional theory
12:15	AMINE AZDOUH	l etude des proprietes magnetiques et thermodynamiques des nanostructures type nanofil et nanotube a structure hexagonale: methode de Monte carlo
12:30	SOUKAINA AZERGUE	Electronic and magnetic properties of ZnO doped with doubles impurities (Cr, Fe) :Ab initio calculations
12:45	ANASS BOURFOUNE	Effect of size and shape of carbon quantum dots on their optoelectronics properties
13	BENTAIBI BRAHIM	Isolants topologiques
13:15	MOHAMMED CHAKIR	Simulation des quelques proprietes de nanomateriaux par le modele d Ising

**Wednesday 17th, May 2023**

**Room: SALLE 17**

**Jury : Pr Y. CHRAFIH, Pr F-Z Ramadan, Pr. M. Benaissa, Pr. El Mehdi Salmani, Pr. O Mounkachi, Pr S. Aazou**

10:15	KHAOULA EL AAQUITA	Structural, electronic and elastic properties of the cubic CaTiO <sub>3</sub> under pressure: A DFT study
10:30	ILHAM EL ARARI	electronics and magnetics owned by SiC
10:45	ABDERRAHMANE EL GHAZRANI	Magnetic properties of (Fe-Ni) core-shell nanostructures: Heisenberg Monte Carlo simulations
11	YASSINE EL HADDAD	Effet du dopage sur les proprietes electroniques et optiques

		des boites quantiques a base de graphene
11:15	NOUHAILA EL HIDAOUI	A comparative study of Undoped and Fe doped of CsSnCl <sub>3</sub> and CsPbCl <sub>3</sub> for optoelectronics applications
11:30	ZAKARIA EL MGHABAR	Monte Carlo Study of Critical and Compensation Behaviors of Mixed Spin(1,3/2) Ising System with Interpenetrating Sublattices
pause	pause	pause
12	ABDERRAHMANE ELBAHRI	Supraconducteurs topologiques, couplage faible et couplage fort, et chaine de Kitaev
12:15	KENZA ELKABIRI	Drug Delivery: Role of nanomaterials in nanomedicine applications
12:30	FATIMA EZZAHRAE ELKEZAINI	First Principles Calculations of Thermoelectric Properties of IV-VI Chalcogenides 2D Materials
12:45	ADIL ELKHOUB	Electronic and Magnetic properties of La doped SrRuO <sub>3</sub> by GGA+U
13	LAYLA ESSEBBAHI	etude du premier principe de l effet de deformation et le ferromagnetisme demi metallique dans les alliages Cd <sub>1-x</sub> V <sub>x</sub> Te : Approches super cellulaires
13:15	KARJOUH IBTISSAME	Matériaux thermoelectriques utilisant des matériaux bidimensionnels

**Thursday 18<sup>th</sup>, May 2023**

**Room: SALLE 17**

**Jury : Pr Y. CHRAFIH, Pr F-Z Ramadan, Pr. M. Benaissa, Pr. El Mehdi Salmani, Pr. O. Mounkachi, Pr S. Aazou**

10:15	HASSAN JALAL	Nanomateriaux
10:30	CHAYMAA KASBAOUI	Transport et performances thermoelectriques des feuilles de Ge carbure fonctionnalise au fluor
10:45	SALMA LAGHZAOU	A study by DFT of electronic, magneto optic and thermoelectric properties of co doped SnO <sub>2</sub> by coupled Mn and A=Mo or Tc
11	ENNAKRI MAHJOUBA	les proprietes thermiques et thermoelectriques des matériaux
11:15	NADIA MEDIANE	Enhanced Electronic and Magnetic Properties of Cr and Mn Doped GeC Zinc Blende
11:30	HAMID MISKAOUI	MONTE CARLO SIMULATIONS FOR MAGNETIC CORE SHELL MATERIALS
pause	pause	pause
12	LAGHRISSE MOULOUD	DFT Investigation on Structural Stability and Ferromagnetism in V doped MgTe for spintronic Applications
12:15	MOUAD OUSTI	HALF METALLIC FERROMAGNETS FOR SPIN TORQUE APPLICATIONS
12:30	HASSAN OUGRA	Doubles perovskites ferromagnetiques pour la haute conversion

		photovoltaïque dans les cellules solaires: calcul ab initio
12:45	AIT EL HAJ YOUSSEF	Synthesis and characterization of CoFe <sub>2</sub> O <sub>4</sub> magnetic nanoparticles prepared by coprecipitation method
13	SAMIRA AIT BAHADOU	First Principles Study of Corundum V <sub>2</sub> O <sub>3</sub> Material as a Promising Anode Electrode for Li/Mg/Al ion Batteries
13:15	BOUTAINA AKENOUN	The effect of chalcogensdoped with dilation strain on the electronic, optic, and thermoelectric properties of perovskite BaSnO <sub>3</sub> compound

**Friday 19<sup>th</sup>, May 2023**

**Room: SALLE 17**

**Jury : Pr Y. CHRAFIH, Pr F-Z Ramadan, Pr. H. ZAARI, Pr. N.BEKKIOUI, Pr S. Aazou**

10:15	ASMAE AKROUCHI	Materials for Solid Electrolytes in Solid state Battery Application
10:30	INASS AMGHAR	Theoretical investigation of electronic, optical and thermoelectric properties of Tellurium doped barium titanate(BTO) through modified Becke johnson exchange potential
10:45	HOUDA EL ALEM	Numerical study on the performance of a hydrogen storage tank based on metal hydride
11	ABDELMAJID EL BADRAOUI	Etude des materiaux perovskites pour l'applications photovoltaïques
11:15	JAWAD EL HAMDAOUI	Enhancing the Optoelectronic Performance of Janus GeSnS <sub>2</sub> Monolayers using Strain and Electric Field
11:30	FATIMA EL HIRI	Diffusion of Lithium ion in Phosphorene in lithium ion batteries
pause	pause	pause
12	HICHAM ERAKI	The Core Size Effects on the Compensation Temperature in a Ferrimagnetic Bathroom Nano System: Monte Carlo Study
12:15	IBTISSAM JAMAI	Theoretical investigation of electronic, optical, and thermoelectric properties of cubic spinel semiconductors for energy harvesting
12:30	ISLAH JAWAD	les proprietes physiques des perovskites halides
12:45	HOUDA JEBARI	The Physico chemical properties of the Iron sillenite material for the photocatalysis application
13	KAMAL LAKAAL	Hole Phonon Coupling and Magnetic Field effect on Magneto Transport Properties of Ga <sub>1-x</sub> Mn <sub>x</sub> As in Confined Systems
13:15	ZOUHIR MANSOURI	Surface chemical modification and stability of two dimensional black phosphorus with impurities: First principles insights

**Saturday 20<sup>th</sup>, May 2023**

**Room: SALLE 17**

**Jury : Pr Y. CHRAFIH, Pr F-Z Ramadan, Pr. N. TAHIRI, Pr. O. EL BOUNAGUI, Pr S. Aazou**

10:15	BOUCHAIB MOUHIB	matériaux perovskites pour les applications photovoltaïque
10:30	HASNAE OUICHOU	Investigation of the magnetocaloric properties of LaCoO <sub>3</sub> compound with high and intermediate spins as a promising candidate for the refrigeration magnetic application at low temperature: A theoretical study
10:45	LHOUSSAIN OUZAROUAL	Propriétés magnétiques de sphère pleine à couches disques de spins mixtes
11	SAMIA RACHIDI	Solid State Hydrogen Storage Materials
11:15	NOHAYLA REGRAGUI	Substitution effect by selenium and tellurium elements on electronic structures, optical and thermoelectric features of FeS <sub>2</sub> : DFT + U
11:30	ER RAHMANY SOUKAINA	Conception de nouveaux matériaux supraconducteurs: Composés à base de CuO <sub>2</sub> en multicouches et systèmes bidimensionnels à base de phosphorene
pause	pause	pause
12	ABDERRAHMANE TOUMLILIN	Functionalized Graphene Surfaces for Selective Gas Sensing

**Thematic: Mechanical Energy**

**Room: Amphi Zaoui**

**Tuesday 16<sup>th</sup>, May 2023**

**Jury: Pr B. Fares, Pr.I. ABERDANE, Pr. D. EL HACHMI, Pr. M. CHERRAJ**

10:15	CHARKAOUI ABDALLAH	Comparative study uses of hardwoods and softwoods in construction
10:30	HANI ABOBAKR HUSSEIN ABOBAKR	Gypsum Bio Blocks Based on Palm Fibers to Replace Conventional Insulation Materials for Building insulation
10:45	MOHAMED ALLA	Semiconductor Applications
11	RANDA BAKARI	Phase Change Materials (PCMs) incorporation into Construction Materials: A Comprehensive Review
11:15	ABDELLAH BOUCHKAREM	Assessing the impact of varying cement quantities on the thermal conductivity of compressed earth blocks (CEBs) with different thermal parameters
11:30	AMINE BOUSLIHIM	Optimizing Mechanical Properties of Stabilized Compressed Earth Blocks: Exploring the Relationship between Grain Size and Chemical Composition of Cement and Clay
pause	pause	pause
12	NAJWA CHAWKI	Synthesis and Characteristics of CuO thin films for

		photovoltaic application
12:15	ASMAA DGHOUGH	Production of packaging material using high density polyethylene and lignin argan shells for Vitamin C drug
12:30	KABLAN VINCENT JUNIOR EBAH	Morphological, Physical Mechanical, and Rheological Properties of Composites and Hybrids based on Polyethylene Reinforced by Kaolinite Particles and Ground Tire Rubber (GTR)
12:45	AYOUB EL BEY	Synthesis and characterisation of multiferroic $\text{Bi}_{1-x}\text{TR}_x\text{FeO}_3$ systems (TR=Eu,Nd,Gd ; 0 20)
13	YASSINE EL MAATOUFI	COMPARATIVE APPROACH IN THE DIMENSIONING AND THE THEORETICAL AND NUMERICAL STUDY OF COMPOSITE BEAMS, STEEL CONCRETE AND STEEL WOOD (CLT FLOOR)
13:15	AHMED FILALI ADIB	Investigating the impact of crushed sand sourced from the Marrakech region of Morocco on the durability of compressed earth concrete (CEC)

**Wednesday 17<sup>th</sup>, May 2023**

**Room: Amphi Zaoui**

**Jury: Pr. I. ABERDANE, Pr. D. EL HACHMI, Pr. M. CHERRAJ**

10:15	MOHAMED GHANI	modelisation numerique de la pollution atmospherique au niveau de la surface libre
10:30	FATIMA KANIBOU	Thermal conductivity of concrete
10:45	MEHDI KHELTENT	INFLUENCE OF THE SIZE AND AMOUNT OF CORK PARTICLES AND LIME ON THE MECHANICAL AND THERMAL CHARACTERIZATION OF SOIL BASED COMPRESSED EARTH BLOCKS (CEB) FROM MARRAKECH SAFI REGION IN MOROCCO
11	MOUNA LAATAR	Assessing the feasibility of improving Plastic Fibre (polypropylene fibers) to increase the strength and deformability of compressed earth blocks for use in building
11:15	HAJAR LBAKHKHOUC	Earthen blocks reinforced with Coconut fiber A review
11:30	HAJAR MOUMINE	Perovksite solar cells
pause	pause	pause
12	KARIMA OUAAZIZI	Characterization and study of the effect of incorporation of natural agricultural residues on the thermophysical properties of building materials
12:15	HAMZA OUACHTOUK	"Analysis of Structural, Vibrational, and Electronic Properties of Double Perovskite $\text{La}_2\text{XMnO}_6$ (for $x=\text{Zn}^{2+}/\text{Co}^{2+}/\text{Ni}^{2+}$ ) Powders: Synthesis and Study Using X Ray Diffraction and Infrared Spectroscopy Based on Chemical Composition Effects"

12:30	HOUDA SOULAMI	Caracterisation thermo physique d'un materiau composite a base de ciment destine a la construction efficace
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**Thematic: Renewable Energy and Storage**

**Room: SALLE 3 Dept Physique**

**Tuesday 16<sup>th</sup>, May 2023**

**Jury : Pr O. El Fatni, Pr Oubella, Pr. Atourki, Pr. H. ZAARI, Pr. N. TAHIRI**

10:15	MOUNIA ACHQRAOUI	Electronic and optical properties of a 2D MXene monolayer called Sc <sub>2</sub> CT <sub>2</sub> (T = F, P, Cl, Se, Br)
10:30	NORA ARBAOUI	Etude comparative d un systeme solaire passif et actif d une serre agricole
10:45	OUSSAMA AZIZ	Calculated properties of GdNi intermetallic compound for the nitrogen liquefaction process: Insight into Ab initio Computations and Monte Carlo Simulation
11	MANALE BATTAS	Enlighten some photophysical analysis for CsPbBr <sub>3</sub> :Li perovskite films M Battas <sup>1</sup> , L Atourki <sup>1</sup> , M Abd lefdil <sup>1</sup> , M Reragui <sup>1</sup> MANAPSE Lab, Faculty of Science - Mohammed V University in Rabat, Morocco
11:15	HAMZA BEKKALI	Transition Metal Dichalcogenide Heterostructures as High Performance Anode Materials for Lithium and Sodium Ion Batteries
11:30	HASSNA BELHAJ	Doping effect on the electrochemical properties of titanium based phosphite anode for Lithium ion batteries
pause	pause	pause
12	MOHAMMED BENCHRIFA	Improving the energy efficiency of buildings through the application of artificial intelligence
12:15	ABDELGHANI BENSASSI	study of the magnetic and magneto caloric properties of GdH <sub>2</sub> and TbH <sub>2</sub>
12:30	ABDALLAH BNIHOUM	Hydrogen Storage Properties of Magnesium Hydride MgH <sub>2</sub> by ab initio Calculations
12:45	YOUSSEF BOU OUZOUKNI	Electrosynthèse des matériaux phosphatés et leur utilisation dans le domaine de stockage de l'énergie
13	YOUSSEF CHARIF ALAOUI	: Study of the Magnetic and Magnetocaloric Properties of the Mn <sub>3</sub> XC(x=Ge) anti perovskite Compound
13:15	MIHADE EL AKKEL	DFT Analysis of Halide Substituted K <sub>2</sub> AgSbX <sub>6</sub> Double Perovskite for Solar Cells Applications
13 :30	OTMANE ZOUBIR	Microstructural engineering of Li <sub>1-3</sub> Al <sub>10-3</sub> Ti <sub>1-7</sub> (PO <sub>4</sub> ) <sub>3</sub> solid electrolyte for high energy All solid state batteries

**Wednesday 17<sup>th</sup>, May 2023**  
**Room: SALLE 3 Dept Physique**

**Jury : Pr O. El Fatni, Pr A. Guessous, Pr. Atourki, Pr. H. ZAARI, Pr. N. TAHIRI, Pr M. Benmessaoud**

10:15	NABLOUS EL HAJJAM	Comparative study with performance testing of photovoltaic technologies in different installation locations
10:30	ABDELLAH EL MAAROUFI	Mixed renewable energies
10:45	HICHAM EL MOUAHID	Voie de synthèse d'un film mince $MnPO_4 \cdot H_2O$ et sa caractérisation en tant que matériau Pseudo capacitif
11	NASSIMA EL OUARIE	Study by numerical simulation of the solar cell based on SnS by SCAPS
11:15	MOHAMED FANGOUR	contribution a la renovation énergetique des batiment
11:30	YOUNES FAOUZI	Green hydrogen production technologies through seawater electrolysis powered by renewable energy
pause	pause	pause
12	ILHAM IHOUME	Impact d un systeme solaire durable sur la croissance des plants de fraises dans une serre agricole
12:15	OUMAIMA KANIBOU	Optimizing Daylighting Strategies: A Comparison of Active and Passive Technologies for Energy Efficiency and Occupant Comfort
12:30	HOUDA KHATTAB	Novel Black Phosphorus Based Anode Strategies for High Performance Sodium Ion Batteries
12:45	HIND KRABCH	Study, design and construction of an indirect drying solar dryer with a single compartment
13	OUTMAN LABDERE	Calculated properties of GdNi intermetallic compound for the nitrogen liquefaction process: Insight into Ab initio Computations and Monte Carlo Simulation
13:15	MOHAMMED MJAHED	The Effect Of Rear Earth Doping $Sr_{x}Sn_{1-x}O_3$ On Structural And Optical proprieties: DFT Study
13 :30	HAKIMA ZEROUGA	Properties of ZnO with DFT and Characterization of Cu doped ZnO thin film assimilated by Sputtering and Sol gel

**Thursday 18<sup>th</sup>, May 2023**

**Room: SALLE 3 Dept Physique**

**Jury : Pr O. El Fatni, Pr K. Ouali, Pr. Atourki, Pr. A. Rachadi, Pr. N. TAHIRI**

10:15	SALMA NAIMI	First principle study of the electronic, structural, optical properties of CuI and doped CuI
10:30	KHAOULA OUASSOUL	Effect of orientation of the cation $CH_3NH_3$ on exciton's mobility in $CH_3NH_3PbI_3$
10:45	SALMA RIAD	Operation Of Connected Homes With Photovoltaic Battery Energy Storage Systems And The Role Of These Systems In Preserving The Environment

11	NOUREDDINE SABER	Monte Carlo Study of Magnetic properties and thermal behavior of the monolayer Rubrene like nano island
11:15	YOUSSEF SALHI	Reducing Recycling Costs and Complexity through Minimized Separation Step: An Innovative Approach to Lithium Ion Battery Recycling
11:30	ZAIM SALMA	Evaluation of the particulate matter concentration variability related to meteorological factors in Rabat city
pause	pause	pause
12	HIND SARGHINI	EXPERIMENTAL INVESTIGATION OF HUMIDIFICATION DESHUMIDIFICATION DESALINATION SYSTEM COUPLED WITH HEAT PUMP
12:15	YASSIN SELMANI	Effects of Mg doping on physical properties of Zinc Blende Mercury Selenide HgSe compound
12:30	IKRAME TAOUFIK	A new phosphite material as negative electrode for Li ion batteries
12:45	WISSAL TOUT	Nanosized phosphite compound SnHPO <sub>3</sub> : a novel anode material for all solid state Li ion batteries
13	LASSANA TRAORE	Nettoyage des panneaux solaires par l'eau de rosee
13:15	ECH CHARQY ZAKARIA	Materiaux perovskite de type ABX <sub>3</sub> pour les application photovolta <sup>i</sup> que
13:30	ISMAIL ZERGOU	First principle study and Monte Carlo simulation of full Heusler Ni <sub>2</sub> MnGa for magnetic refrigeration application

### Thematic: Health Sciences

**Room: Salle 18**  
**Tuesday 16<sup>th</sup>, May 2023**

**Jury : Pr k. Chkirate, Jury : Pr S. BENAICH, Pr O. ABOUSSI**

10:15	BASMA ABDALLAH	Identification and characterization of new anti infective solutions from the medieval Arabic pharmacopoeia
10:30	MANAL ABOUELOUFA	SarsCov 2 et procreation medicament assistee
10:45	AYOUB AIT BELLA	Evaluation de la qualite du systeme de gestion des dechets hospitaliers cas de CHU Mohamed 6 Marrakech
11	ROKAYA AITLHAJ MHAND	Evaluation of an in house real time PCR for detection of Neisseria gonorrhoeae from anal specimens
11:15	GAMAL ABDULLAH MOQBEL AL ATI	Synthesis of new molecules of pyrazole acetamide and pyrazol benzimidazole from 1,5 benzodiazepine and study of its crystallographic and antioxidant properties
11:30	BASMA AL BANYAHYATI	Development and prospective validation of an RT qPCR based test for the quantification of HER2 gene expression in breast cancer



pause	pause	pause
12	MALIKA ALLALI	Analysis of the impact of the vulvo vagino cervical / HPV microbiota on cervical cancer in Morocco: Case / control study
12:15	AFAF ALLAOUI	Platelet function in viral immunity and SARS CoV 2 infection
12:30	SAADIA AZEROUAL	Breast cancer recurrence prediction using machine learning algorithms
12:45	WALID BABA	Cancer colorectal et métabolisme des folates
13	TOMFEY ESSAKPA BAKOLIA	L'impact de l'interposition d'un corps entre une source et une cible sur le rendement en profondeur d'un faisceau de proton de 150MeV et la fluence des neutrons secondaires: investigation à l'aide du code Monte Carlo FLUKA
13:15	FATIMA BEN ALI	épigénétique des cancers gynécomammaires

**Wednesday 17<sup>th</sup>, May 2023**  
**Room: Salle 18**

**Jury : Pr k. Chkirate, Pr N. BOUHADDOU, Pr A. MOUFID**

10:15	SOUKAINA BENMOKHTAR	Clinical Significance of Somatic Mutations in RAS/RAF/MAPK Signaling Pathway in Moroccan and North African Colorectal Cancer Patients
10:30	ZAKARIA BERNOUSSI	The neuroprotective role of melatonin rhythm against seizures in a PTZ model of epilepsy
10:45	ABDERRAHMAN BIMOUHEN	Etiologie virale des syndromes grippaux et infection respiratoires aiguës sévères au Maroc, septembre 2014 à décembre 2016
11	IKBAL BOUADEL	Practical application of a dosimetric CT: between adult and pediatric patient phantoms
11:15	KHAADIJA BOUALAM	Mentha rotundifolia (L.) Huds aqueous extract attenuates H <sub>2</sub> O <sub>2</sub> induced oxidative stress and neurotoxicity
11:30	SAMIA BOUKAIRA	Screening and follow up of patients affected by the hepatitis C virus in Morocco within the framework of the National Program for the Fight against Viral Hepatitis
pause	pause	pause
12	SIHAM BOUMHAOUAD	Ex vivo model of synaptic plasticity mediated by differential manipulation of tonic frequencies
12:15	ASMA DAHMI	Impact de l'alimentation sur la santé publique au Maroc, du diagnostic au déploiement de recommandations
12:30	NISRINE EL ARROUF	Mercurial waste from dental amalgam: what risk to the environment?
12:45	SARA EL IDRISSE	Restraint Stress Exacerbates Apoptosis in a 6OHDA Animal Model of Parkinson Disease
13	ISLAM EL JADDAOUI	Microbiome of the built environment

13:15	AYOUB EL MAHMOUDI	Design, Synthesis, and Insecticidal Activities of Novel Isoxazoline sulfonamide Hybrid against Sphodroxia Maroccana Ley
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**Thursday 18<sup>th</sup>, May 2023**

**Room: Salle 18**

**Jury : Pr Y.BAKRI , Pr AMEZIANE EL HASSANI RABII, Pr I ALLALI**

10:15	FATIMA ZAHRA EL MSKINI	ETUDE DE L'EFFET ANTIDIABETIQUE DES EXTRAITS DE CANNABIS SATIVA L ET DES CANNABINOIDES SYNTHETIQUES CHEZ DES SOURIS SUISSES RENDUES DIABETIQUES
10:30	SARA EL ZAITOUNI	Mutation status of full RAS and BRAF in 169 Moroccan Colorectal cancer patients
10:45	MERIEM ELHOUDI	Host genetic predisposition to COVID 19 and oxidative stress
11	NOUHAILA ERRAGZI	The Role of Deep Learning in Advancing Breast Cancer Segmentation Using Different Imaging Modalities
11:15	IMANE FARAJ	Synthesis of novel N1 substituted benzimidazole derivatives: caracterisation by 1H and 13C NMR, and crystal X ray diffraction
11:30	IKRAM GHAZAL	Profile distribution of Covid 19 vaccines for Spatio temporal vaccination
pause	pause	pause
12	SARA HOUMINE	le mercure dans les produits éclaircissants et leur impact sur la sante humaine
12:15	CHAIMAE HOURMA	An efficient green synthesis of novel 1,4 disubstituted 1,2,3 triazole pyrimido benzimidazoles hybrids
12:30	HIND IBORK	Acute toxicity, Neurotoxicity and analgesic effect of Cannabis sativa L extract: Khardala Moroccan variety
12:45	FOUZIA IMHARKEN	Study of the rheological properties of blood in cardiovascular vessels
13	MERYEM JAFARI	Prevalence and patterns of mutations in RAS/RAF/MEK/ERK/MAPK signaling pathway in colorectal cancer in North Africa
13:15	MANAL LAHYAOUI	Valorisation ethnomedicinale, biochimique et pharmacologique de quelques plantes medicinales de la Province de Settat

**Friday 19<sup>th</sup>, May 2023**

**Room: Salle 18**

**Jury: Pr A. MADKOUR, Pr N.DAKKA , Pr R. AMEZIANE EL HASSANI**

10:15	KHADIJA LARHRISSI	capillary network flow of white blood cells in vivo
10:30	MOUNA LEMAAMER	NANOTECHNOLOGY RENOVATES TISSUE ENGINEERING IN DENTAL IMPLANTOLOGY
10:45	SANAE	Caracterisation of non polio enterovirus isolates from acute

	LEMRAJET	flaccid paralysis children in Morocco reflects rare genotypes: EV A76, EV B74 and EV C99
11	KENZA MANSSOURI AZZOUZI	Segmentation of proliferating nuclei of tumour spheroids
11:15	OUMAIMA MAZOUR	POFUT1 et miARN, une combinaison de biomarqueurs pour le cancer colorectal ?
11:30	NARJISS MESSY	HLA G : Biomarqueur de l'implantation des embryons des patients infertiles
pause	pause	pause
12	LOUBNA MOKHI	One pot green synthesis of new hybrid isoxazole/isoxazoline triazole compounds
12:15	KHADIJA MZIBRI	Design, Green Synthesis and In Silico activity of anti cancer and anti inflammatory activity of Novel Indole analogues
12:30	HASSAN NAIT-BOU-GANZA	Tensor numerical methods
12:45	NOUHAILA NAJIMI	Humoral and Cellular immune responses Against COVID 19 and vaccination
13	YASSIRE OUBADDOU	Prevalence of BRCA1 promoter methylation in breast cancer of Moroccan women
13:15	FATIMA EZZAHRAE OUBAQUI	Cervical cancer Biomarkers

**Saturday 20<sup>th</sup>, May 2023**

**Room : Salle 18**

**Jury : Pr k. Chkirate, Pr I. Bourais, Pr A. Bouyahya**

10:15	YOUNES RAMI	Arabic language and the cognitive sciences challenges : Reading
10:30	HARIVOLA ZAVA NY AINA RANDRIAMIALY	Exploring the Effects of Benzodiazepines on Platelet Function, Antimicrobial Activity, and Antidiabetic Potential
10:45	YASSER RAOUI	Application of a Hybrid Planning Technique for Radiotherapy in Moroccan Breast Cancer Patients, Incorporating Supraclavicular and Axillary Lymph Nodes
11	CHAIMAA SERBOUTI	la borreliose au Maroc : etat de connaissances
11:15	MOHAMED SRHIR	Synthesis and theoretical study of some benzimidazolones derivatives obtained by 1,3 dipolar cycloaddition reaction
11:30	AMINE WALIA ALLAH	Evaluation of Size Specific Dose Estimates for Optimizing Abdomen CT Protocol in pediatric
11 :45	KHAOULA YOUNOUS	Particle Therapy: Clinical Strategies and Biological Insights

## Thematic: Biodiversity and Sustainable Ecosystem Management

Tuesday 16<sup>th</sup>, May 2023

Room: Albaytar

Jury: Pr B. Kartah, Pr H. El Monfalouti

10:15	SAFAA ABID	Contribution a la valorisation des champignons basidiomycetes Pleurotus Ostreatus
10:30	BASMA AGHOUTANE	Study of the effect of the extraction method on the polyphenols, flavonoids contents, and antioxidant activity of an endemic medicinal plant growing in Morocco
10:45	EPTESAM AL ZALAEI	Gas Chromatography Mass Spectrometric (GCMS) analysis of aerial parts of Caralluma Q and antimicrobial activity
11	AIDAH ALRUFAID	Faculte des Sciences RABAT
11:15	OUMAYMA BELHOUSSEINE	Differenciation des extraits des graines brunes de Linum usitatissimum issues du Maroc par leurs profils phytochimiques
11:30	NOURA BENTARHLIA	Activite biologique et composition chimique de la plante Dittrichia viscosa
pause	pause	pause
12	IHSSAN BOUJEMAA	Effet de la torrefaction sur la qualite et l'activite antioxydante de l'huile issue des graines de Cucurbita maxima et Cucurbita pepo (L)
12:15	NASRI CHAIMAE	Comparer l'impact des techniques d'extraction sur la composition chimique et la qualite de l'huile vegetale de P americana
12:30	MERYEM DAFIR	Antioxidant properties of Rosmarinus Officinalis: Application on Olive Oil
12:45	FATIMA ZAHRA EDDAHHAOUI	Natural source of active nutritional ingredients and antioxidants: Fruits of C humilis
13	FATIMA ZAHRA EL ARNABI	Nutritional value variability of Moroccan capers of endemic Capparis: Capparis atlantica Inocencio
13:15	AAFAP EL BAAKILI	Comparison and optimization of conventional and ultrasound assisted extraction for bioactive compounds and antioxidant activity from Moroccan Retama sphaerocarpa

Wednesday 17<sup>th</sup>, May 2023

Room: Albaytar

Jury: Pr H. Harhar, Pr A. El Yadini

10:15	SARA EL BERNOUSSI	Influence de la composition chimique sur la conservation des amandes douces et ameres locales de la region d'Aknoul
10:30	YOUSRA EL IDRISI	Degradation of Cosmetic and Edible Argan Oils Post Exposure to UV Light Effect
10:45	ASMA EL KAOURAT	Valorisation of B aegyptiaca fruit

11	CHAIMAE EL KOURCHI	Approche phytochimique et activite biologique in vitro des extraits de Salvia officinalis cultivee dans la region d Oumazza
11:15	ABDELILAH ELHAMIL	Phytochemical analysis of the methanolic extracts of three Moroccan toxic plants, and the comparaison of their chemical composition when using different extraction methods
11:30	ABDELLAH ELMAKAOUI	Biological and antioxidant activities of the essential oil of Pistacia atlantic leaves
pause	pause	pause
12	MOUNIA ELMOTAOUAKKEL	The traditional medicinal knowledge of the Settat region
12:15	YOUSSEF ELOUAFY	etude de la stabilite oxydative des huiles de noix, sous des conditions de stockage accelere
12:30	MOHAMED ELOUARDI	Valuation of the botanical properties of toxic plants in Morocco
12:45	CHAIMAA HAOUFAZANE	Effects of aqueous extract of Zygodophyllum Gaetulum on weight gain in rats
13	SANAE KARIM	Huile essentielle de l'espece X ; Effet de l'activite antibacterienne et comparaison de son effet avec des antibiotiques
13:15	ZAKARIA LAHBOUB	Lavandula mairei Humbert essential oil and hydrolate exhibit substantial antioxidant and antibacterial activities

**Thursday 18<sup>th</sup>, May 2023**

**Room: Amphi Albaytar**

**Jury : Pr L. El Ghyati, Pr H. El Mouden**

10:15	ZINEB LAKHLIFI EL IDRISSE	Bioactive compounds, antioxidant potential, and oxidative stability of peanut (Arachis hypogaea L ) oil
10:30	ZINEB MAAROUFI	phytochemical screening and Evaluation of antioxydant activity of aloysia citrodora from Morocco
10:45	IATIDAL MAHDAD	Ultrasonic formulation of a sunscreen SPF 30 with herbal extracts
11	AFAF MOUFADDEL	Valorization of vegetal biomass waste: Extraction and use of plant protein based biopolymers
11:15	YASSINE MOURABIT	HPLC DAD ESI/MS phytochemical investigation, antioxidant, and antidiabetic activities of Moroccan R canina extracts
11:30	AMAL NAAMA	Evaluations of the effect of the extraction solvent on the Antioxidant Activity of Medical Plant Grown in Morocco By Different Methods
pause	pause	pause
12	JAPHET NZOYISUBIZIKI	Traditional uses and phytochemistry of the five anti infectious medicinal plants most widely used in Burundi

12:15	NIHAD SAHRI	Euphorbia Honey: Quality Parameters and therapeutic merits
12 :30	MERYEM OULAD GOUMI	HYDRODYNAMIC STUDY OF THE HIGH EFFICIENCY ALGAL REACTOR

**Thematic: Environment and Sustainable development**

**Tuesday 16<sup>th</sup>, May 2023**

**Room: Salle 19**

**Jury : Pr A. Ben Ali, Pr R. Khaoulaf, Pr M. Baamarouf, Pr L.Saafadi**

10:15	MOHAMED ABA	A review of soil heavy metals pollution from mines in Morocco: implication for human health
10:30	FATIMA ZAHRA ABAHDOU	Elimination of methylene blue by adsorption on biochar: kinetic, isothermal and thermodynamic studies
10:45	SANAE ABIDA	Determination of Acrylamide in potato chips commercialized in Morocco by high performance liquid chromatography-diode array detector (HPLC DAD)
11	KHALID AIT BEN BRAHIM	Enhancing Sulfadiazine Detection in Various Samples with Modified Carbon Electrodes: A Comprehensive Review
11:15	MERYEME AJANI	Optimisation de la valorisation des déchets de plastique et de sédiments dans des liants recomposés : Activation Formulation de mortiers Stabilisation physico chimique
11:30	ABDURABOH ALRAAE	Green Synthesis and Catalytic Activity of metal Nanoparticles Deposited on Expanded Vermiculite for the Chemoselective Reduction of organic pollutants
pause	pause	pause
12	AICHA ASSAL	Un nouveau bioadsorbant durable pour l'élimination de la toxicité dans les eaux usées
12:15	MERYEM ASSIDI	Ecologically based rodent management in Africa
12:30	DRISS AZDEM	THE EFFECT OF BRINE DISCHARGE FROM DESALINATION PLANT DOUIRA AGADIR MOROCCO
12:45	BOUCHRA BELAHRACH	MXenes composites in water purification and environmental remediation
13	MAJDA BEN ALI	Valorisation des boues d'épuration : une innovation durable pour l'élimination des polluants et la production de charbon actif
13:15	MARIA BENBOUZID	Vertical flow constructed wetland system for domestic wastewater treatment

**Wednesday 17<sup>th</sup>, May 2023**

**Room: Salle 19**

**Jury : Pr R. Slimani, Pr Y. Abrouki, Pr B. EL Otmani, Mme Slaoui Pr Kouzer, Pr Mme Rahali, Pr K.Brouzi**

10:15	MOHAMED HASSAN BENDANY	la détection des antibiotiques par voie électrochimique
10:30	WAFAA	Electrochemical oxidation of organic pollutants in an aqueous

	BENKAYBA	solution using the anode of MnO <sub>2</sub>
10:45	OUMAYMA BENSLIMANE	Analysis of Moroccan soil macronutrient's using a novel method
11	MERIEB BERDOUZ	Activite catalytique de Ag <sub>2</sub> Sn <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> dans la reduction du 4 nitrophenol en 4 aminophenol
11:15	LOUBNA BOUHACHLAF	Air pollution monitoring systems based on Big Data and Internet of Things
11:30	YOUNESS BOUREZGUI	synthese et valorisation d'argiles pour l'elimination des micropolluants dans le traitement des eaux
pause	pause	pause
12	CHAIMAE BOUSSAQ	A state of the art on the use of recycled solid waste future application
12:15	LOUBNA EL JOURRI	Olive Mill Wastes Management
12:30	EL KHABBAZ CHOUKRI	Contribution of Multivariate Analysis to the In Vitro Dissolution Profile for Testing Clopidogrel Drugs Similarity
12:45	NOUHAILA GADDA	Treatment of wastewater containing dyes by adsorption using an organic waste
13	EL MEHDI EDDARAI	Chitosan nanoparticle fertilizer (NPK) and spent coffee grounds (SCG) mixture as an organic amendment on soil fertility and coriander growth in agricultural soils
13:15	WIAM EL FADEL	Thermodynamic properties data of ternary system NH <sub>4</sub> H <sub>2</sub> P <sub>04</sub> electrolyte water : Water activity, osmotic coefficient, activity coefficient, excess Gibbs energy at 298 15 K

**Thursday 18<sup>th</sup>, May 2023**

**Room: Amphi à l'ENS**

**Jury : Pr A. El Boukili, Pr H. SAUFI**

10:15	SOUKAINA EL HANTATI	New thermodynamic data of mixed phosphate and electrolyte : Water activity, osmotic coefficient, activity coefficient, excess Gibbs energy at 298 15 K
10:30	CHAIMAA BOUYAHIA	Huile essentielle de la sciure de Cedrus atlantica comme inhibiteur écologique contre la corrosion de l'acier doux dans une solution de HCl 1M
10:45	MOUAD EL MOUZAHIM	Effect of Kaolin clay and Ficus carica mediated silver nanoparticles on chitosan food packaging film for fresh apple slice preservation
11	IMANE EL OUTAR	Study of the purification performance of a bio filter for the treatment of water from aquaculture
11:15	KHALID ELFILALI	Sewage sludge valorization
11:30	MOHAMED ESSOUFY	Efficient removal of pharmaceutical compounds from aqueous solutions using a low cost adsorbent: kinetics and isotherms modeling

pause	pause	pause
12	GHIZLANE FAHDI	The assessment of water resources in the Tensift Basin for an integrated management in the face of climate change
12:15	MAJDA DGHOUGHI	La contribution de l'enseignement de l'énergie au développement durable : état des lieux et perspectives revue de littérature
12:30	FARAH GOURCHANE	La phytoépuration par les lentilles d'eau et valorisation
12:45	IMANE HAJI	Procédé électrochimique d'oxydation avancée Electro Fenton: application à la dégradation/ minéralisation/ biodégradabilité de l'antibiotique CFX Na en milieux aqueux
13	ABDELLAH HALLOUB	Production and characterization of rectangular cellulose nanocrystals (type II) from nutshells: argan nutshells (ANS) as a case study
13:15	ZINEB HAMMI	Production of green hydrogen employing proton exchange membrane water electrolyzer : Characterization of electrolyte membrane A critical review

**Friday 19<sup>th</sup>, May 2023**

**Room: Amphi à l'ENS**

**Jury: Pr H. El Herradi, Pr S. Alhyen**

10:15	EL BAKRAOUI HOURIA	Chromochloris Zofingiensis for Wastewater Treatment and Bioenergy Production
10:30	ABDELJABBAR JADDI	An ab initio study of the photodissociation of acetaldehyde
10:45	SALMA KAISS	Valorisation des déchets industriels
11	IMANE KARIM	Recovery of red wood and beech wood waste Contribution to the protection of the environment
11:15	SIHAM KHERRAF	Modélisation d'une station de dessalement par osmose inverse
11:30	HAJAR KOURTI	Valorisation des boues dans la fabrication des matériaux de construction
pause	pause	pause
12	HAKIMA LAZAR	Oued Ykem watershed: Environmental degradation and water pollution
12:15	SORAYA LIBRAHIMI	Treatment of Olive Oil Mill Wastewater by Adsorption via Natural Adsorbents
12:30	NACIRI LOUBNA	La mise en place d'un système de management intégré au sein d'un établissement de santé
12:45	FADWA MAANANE	Correlation between adsorption and photocatalytic activity of TiO <sub>2</sub> of both cationic and anionic dyes in the presence of synthesized TiO <sub>2</sub>
13	ABDERRAHIM MAFTOUH	Experimental and Mathematical Modelling of Reverse Osmosis System to investigate the impact of Feed Water Pressure: a case study



13:15	AKDIM MAOUAN	etude comparative des plantes utilisees a la phytoepuration et Faisabilite de les combiner avec d autres systemes de traitement
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**Saturday 20<sup>th</sup>, May 2023**

**Room : Salle 19**

**Jury : Pr A. Ghanimi, Pr A. Sifou**

10:15	IBTISSAM MARIAMI	Cartographie et analyse de la qualite de l'eau d'irrigation dans la region cotiere de Skhirat, Maroc
10:30	YASSINE MEROUANE	IMPACT OF THE DRAA BASIN WATER QUALITY ON DRINKING WATER SUPPLY, IRRIGATION AND SOIL (South East Morocco)
10:45	FATIMAZAHRA MOUSLI	Water Quality Monitoring System for a Smart Environment
11	LOUBNA NACIRI	la mise en place d un systeme de management integre au sein d un etablissement de sante
11:15	KAOUTAR NAJY	STUDY OF THE KINETICS AND THERMODYNAMICS OF THE ADSORPTION OF A BASIC DYE ON A LOW COST ADSORBENT
11:30	IKRAM NAOUT	Pour une education a l energie durable dans le cycle d';enseignement primaire au Maroc : enjeux et perspectives
pause	pause	pause
12	SOUKAINA NEHHAL	AN OVERVIEW OF HETEROGENEOUS PHOTOCATALYSIS APPLICATIONS FOR THE WATER TREATMENT
12:15	HAJAR OUMOUSA	amoxicilin detection based on modified carbon electrodes
12:30	NAJAT QISSE	Upgrading of a raw waste coffee grounds product for the treatment of Zn adsorption in wastewater effluents
12:45	BADREDDINE RAGAOUI	Elaboration et optimisation d un gel ionique de Chitosan incorpore a la margine pour une application pharmaceutique ou cosmetique potentielle
13	IMANE ROUICHAT	Recycling End of life vehicules in Morocco
13:15	NORA SAMGHOULI	Characterization of activated carbons prepared from low cost material and tested by methylene blue adsorption from aqueous solution

**Saturday 20<sup>th</sup>, May 2023**

**Room: Salle 20**

**Jury : Pr N. Labjar, Pr G. Benabdellah**

10:15	ZAKIA SEGDALI	Modelisation statistique et analyse du comportement dynamique d';un systeme d';electrolyse PEM soumis a des sources intermittentes
10:30	BILAL SERRAR	Effect of biochar amendment on soil structure and growth

		parameters of peas
10:45	BOUDEN SIHAM	Study of the adsorption of a basic dye (BB41) on a new biomaterial
11	AMTAGHRI SMAIL	Antihypertensive and vasorelaxant activities of Hammada scoparia on vascular contractility mainly through calcium channels blockade pathway on Rat Aorta
11:15	FATIMA ZAABOUL	Comparison of two semiconductors (P25) and (UV100) for the photodegradation of textile blue dye
11:30	HAMMAM ZAHDI	Numerical optimization study of silicon based cell for photoelectrochemical wastewater treatment
pause	pause	pause
12	ZAHRA ZAYAT	Life cycle assessment of plastic waste recycling
12:15	MOHAMMED ZINE	Recovery of Polyphenols from Olive Mill Wastewater(OMWW) using adsorbent co polymeric resins: An optimization of the overall efficiency extraction

**Thematic: Optimization, Modeling, Algebra and Statistics**

**Tuesday 16<sup>th</sup>, May 2023**

**Room: Salle séminaires Dept Math**

**Jury: Pr Douiri, Pr Zoglat**

10:15	BADR BELLALA	Integration of seismicity and gravimetry data for mapping active faults along the Larach Fez axis (Rif belt, Morocco)
10:30	TAJ BENYOUNES	Approches géotechniques et apport de la tomographie électrique (ERT) pour étudier l'instabilité des pentes sur le littoral du Rif interne Etude du versant au PK 176+800 de la Rocade Méditerranéenne
10:45	YOUSSEF BOUSABAA	Lithospheric seismicity of the High and Middle Atlas
11	CHAIMAA DAKIR	Apport de la géophysique et la géomagnétique dans la détermination des dérangements d'exploitation dans le gisement Oulad Abdoun
11:15	MOHAMMED EL BRAHIMI	Erosion Risk Modeling Using Morphometric Analysis: A Case Study of the Oued Amter Watershed in Northeast Morocco
11:30	MOHAMED EL HILALI	HVSR (Nakamura technique) and MASW methods : a tool for seismic site effects assessment in sedimentary basin
pause	pause	pause
12	MARIAM EL MARMAR	Monitoring and evaluation of the quality and quantity of water resources of Guelmim center to enforce the water provision of the center
12:15	ASMA GHARNATE	Signature of an extreme event deposits along the Moroccan Atlantic Coast of Morocco: evidences from Cores and GPR investigations
12:30	HATIM HADDAOUI	Study of the geomorphological evolution and impacts of the coastal spit of the Moulay Busselham lagoon

12:45	ZAKARIAE JAMIL	Les risques sismiques dans les zones urbaines : une etude de cas
13	LATIFA LADEL	Mapping Flood Susceptibility and Detection Using Sentinel 1 Remote Sensing Data Case of study: Province of Taounate Morocco
13:15	ABDELAZIZ MOJAHID	Rocks response to electromagnetic waves using Ground Penetrating Radar (GPR) methods

**Wednesday 17<sup>th</sup>, May 2023**

**Room: Salle séminaires Dept Math**

**Jury : Pr M. Douiri, Pr Zoglat**

10:15	NICOLAS ISAAC MONSARD	Contribution of electrical tomography to clarify the structural organization of the Paleozoic Zone in the Rabat Tiflet region (Morocco)
10:30	FARTAS NAJIA	Assessment of Drainage Morphometry and Watersheds Prioritization of oued Joumouaa, western Prerif, Morocco
10:45	ABDELKARIM NAJIM	Geological mapping and lineament detection in High Atlas central and Middle Atlas ridges zone from satellite imagery: case of Imilchil Aghbala region
11	SLIMANE SASSIOUI	Contribution of the airborne magnetic field to the structural and mineralogical study of Jbel Ougnat Eastern Anti Atlas of Morocco
11h15	ACHRAF BOUHMADY	Beyond Market Forces: Leveraging Control Theory for Optimal Pricing Strategy Under Price Controls
11H30	HAMZA BERGA	Mathematical models of anaerobic co digestion: effect of growth function and mortality of bacteria on biogas production

**Thematic: Analysis and Dynamic Systems**

**Tuesday 16<sup>th</sup>, May 2023**

**Room: Salle 16**

**Jury: Pr M. Ghanmi et Pr BenAzza**

10:15	MOHAMMED AMINE ABOUCOUAR	A characterization of $r$ convex functions ( $r > 0$ )
10:30	ABDELKADER ABOURICHA	Removable Singularities of Separately Holomorphic Functions
10:45	ISSAM ABOUTAIB	Reflexivity in weighted vector valued sequence spaces
11	ILYASS AHLAMINE	Numerical modelling of gas production in landfills with acidogenic and methanogenic biomasses
11:15	CHAIMAA ASSILA	fractional-order prey-predator model in the presence of the harvesting, competition and toxicity.
11:30	CHAYMAA BENEICH	Measuring and Evaluating the multi compartment vehicle routing problem in dynamic environment using two hybrid

		Meta heuristics approaches
pause	pause	pause
12	OTHMAN CHERKAOUI DEKKAKI	Optimal control of a bioeconomic model applied to the recovery of household waste
12:15	HAJAR DKHISSI	Fractional Zernike functions
12:30	ABDERRAZZAK ECH CHARYFY	Truncatef matrix moment problem on R and their solution (A recursive approach)
12:45	MOHAMMED EL HAMMANI	Mathematical Modeling of Gastrointestinal Stromal Tumor Growth with Drug Resistance: A Spatial Partial Differential Equation Approach
13	YOUSSEF EL KHATIRI	ORDER AUTOMORPHISMS OF THE SET OF UNBOUNDED OBSERVABLES
13:15	ADAM HAMMAM	On dual fractional Hankel transform

**Wednesday 17<sup>th</sup>, May 2023**

**Room: Salle 16**

**Jury: Pr M. Ghanmi et Pr BenAZza**

10:15	LAHCEN IMLAL	Planar poly analytic automorphic functions
10:30	ABDERRAHIM KRAITA	Characterization of periodic points set for functions in finite sets
10:45	OUMAIMA LARAJ	Anaerobic digestion process with leachate recirculation in landfills: Mathematical model analysis and perspectives on optimal control
11	LAMIAE MAIA	The method of lower and upper solutions, applied to a system of Stieltjes differential equations describing the dynamics of an exploited fishery
11:15	MAZIGHI MOHAMED	Baire functional calculus for bounded locally operators
11:30	SALMA OUAHIDI	Polynomial interpolation
pause	pause	pause
12	ANASS OUANNASSER	Parametric Anisotropic Elliptic Problems with Variable Exponents and Convections Terms
12:15	BADR OULGIHT	New Fractional Operator
12:30	BOUTAINA OURIARHLI	HMM based Supervised Machine Learning Framework for the Credit Risk Analysis
12:45	RACHID SEMMAMI	On some properties of n EP and n HEP operators
13	CHAIMAA TAFTAF	Mathematical analysis of a Malaria transmission model with the Lyapunov technique
13:15	SALIHA YASSINE	Using Artificial Intelligence Tools in the Judicial Domain and the Evaluation of their Impact on the Prediction of Judgments



Faculté des Sciences  
Université Mohammed V de Rabat



CEDoc - SCIENCES ET TECHNIQUES

# Les journées doctoriales 2023

Recherche scientifique : levier du développement durable

**Thematic: Artificial Intelligence, Cryptology and Security**  
**Tuesday 16<sup>th</sup>, May 2023**

**Room: Salle Mécatronique**

**Jury : Pr Y. Raoui, Pr M. Souidi, Pr M. Esghir, Pr. Ibrihich**

10:15	WAFAE ABBAOUI	The Synergy of AI and Precision Medicine: A New Era of Healthcare
10:30	OUTHMAN ABBASSI	Application of machine learning on drug discovery
10:45	OTMAN ABERKANE	les techniques de machine learning appliquees dans le secteur de la logistique
11	AHMED AHMED LOULY	monolithic to microservices architecture
11:15	GHYZLANE AKRIM	MACHINE LEARNING POUR LA PREVISION DES SERIES CHRONOLOGIQUES
11:30	ANGE GABRIEL BELINGA	Knowledge Distillation : an overview
pause	pause	pause
12	IBTISSAM BENCHAJI	Contextual analysis for Credit Card Fraud detection based on PV DM Model (Paragraph Vector Distributed Memory)
12:15	HALIMA BOUKBIR	Plant Diseases Detection Using Complex Networks and Deep Learning
12:30	SALIMA BOURBIA	No reference 3D Point Cloud Quality Assessment using Multi View Projection and Deep Convolutional Neural Network
12:45	FATIMA AZAHRAA BOURHIM	Optimal Wind Turbine design based Artificial Neural Network
13	MEHDI BOUSKRI	Some Machine Learning Methods to Predict Patients with Nasopharyngeal Cancer
13:15	YOUNESS BOUTYOUR	Artificial Intelligence and Assessment Generators in Education: A Comprehensive Review

**Wednesday 17<sup>th</sup>, May 2023**

**Room: Salle Mécatronique**

**Jury : Pr Y. Raoui, Pr M. Souidi, Pr M. Esghir, Pr. Ibrihich, Pr S. Mouline, Pr K. Minaoui**

10:15	HAMZA BOUZID	Facial expression video generation based on spatio temporal convolutional GAN: FEV GAN
10:30	AISSATA DIA	Analysis of different recommendation algorithms
10:45	SALMA EL ANIGRI	SOTA of Clinical NLP
11	SAIDA EL HAMZI	Facial expression recognition using deep learning approach
11:15	ABDESSELAM EL HARRAJ	Similarity measurements method impact on fake news detection accuracy
11:30	WASSIMA ELALLAKI	Detecting Alzheimer s Disease using Deep Learning : A Review of Neuroimaging Based Approaches

pause	pause	pause
12	IMANE ENNEJJAI	A novel approach to fake news detection applying machine learning classifiers
12:15	MOHAMMED ESSOUJAA	Using Machine Learning to Predict Public Prosecution Judges Decisions in Moroccan Courts
12:30	SELLAK HASNAE	Contribution au developpement des systemes intelligents
12:45	ZAKARIA HASSOUN	Une approche deep learning pour la classification des battements cardiaques ECG
13	SANAA HMAIDA	Comparison of backbone filtering techniques
13:15	YOUNESS KARAFI	Model Reduction Using Artificial Neural Networks for Parametric Shape Optimization

**Thursday 18<sup>th</sup>, May 2023**

**Room: Salle Mécatronique**

**Jury: Pr B. ABOU EL MAJD, Pr Y. Raoui, Pr S. Mouline, Pr K. Minaoui, Pr I. BELHAJEM**

10:15	NADIA LAASRI	A Vaccination Strategy Based on Dynamic Community Detection for Epidemic Networks
10:30	ASMAA LAMJID	Predictive hiring for soft and hard skills
10:45	KHALIL LARDHAM	Comparative Analysis of Recurrent Neural Networks (RNN) and Neutrosophy Neural Networks (NRNN) in Arabic Text Sentiment Analysis
11	KHALIL LARDHAM	Comparative Analysis of Recurrent Neural Networks (RNN) and Neutrosophy Neural Networks (NRNN) in Arabic Text Sentiment Analysis
11:15	NABAOUIA LOURIDI	Identification of cardiovascular risk factors using ML
11:30	ISSAM MALLOUK	AutoML approach for decision making in a manufacturing context
pause	pause	pause
12	ABDELLAH MAZIGHI	Effects of feature selection with information gain on the performances of some machine learning algorithms Experimentation on CICIDS2017 Dataset
12:15	MOHMED EL MOUSTAPHA MOHAMED CHEIKH	Applications de Machine Learning et Big Data aux Systemes de Recommandation
12:30	ZAKARIA MOUSSAOUI	Robust shape optimization Application to the optimization of an aircraft wing profile
12:45	ADNANE MZIBRI	Efficient Anomalous Traffic Detection in Software Defined Networks using Machine Learning
13	NAIMA OUBALOUK	Artificial Intelligence for seismic risk prediction
13:15	AICHA OUSSOUS	Effective Machine Learning Techniques for Disease Prediction Review

**Friday 19<sup>th</sup>, May 2023**

**Room: Salle Mécatronique**

**Jury: Pr S. Mouline, Pr K. Minaoui, Pr M. Souidi, Pr M. Esghir, Pr Ibrihich**

10:15	MOHAMMED SABRI	Accurate photovoltaic power prediction models based on deep convolutional neural networks and gated recurrent units
10:30	SIHAM SADIKI	Using AI algorithms in Autonomous Motion Trajectory Planning Modeling
10:45	NAZIF TCHAGAFO	BIGDATA ANALYTICS FOR OPTIMISATION OF RECOMMANDATIONS SYSTEMS
11	ELJABRI YOUSSEF	Solving partial differential equations in framework of neural networks
11:15	MARYEM ZAHID	Analyse de données par l'apprentissage automatique
11:30	AICHA ZIZOUNE	Development of sign language reader and interpreter
pause	pause	pause
12	RACHID AIT MOULAY	IOT Security and privacy Challenges
12:15	MOHAMMED AMRAOUI	Audio confidentiality
12:30	SAID EL KAMLI	Theorie de Bohm et intrication quantique
12:45	ELMEHDI FDIL	Sybil attack in vanet
13	ACHRAF LACHHEB	The Blackhole Attack on Vehicular Network
13:15	NABIL RAZQI	cybersecurite et veracite de communication de l'automobile connectee/autonome utilisant l'intelligence artificielle
13:30	HICHAM YZZOGH	Machine Learning Techniques for detecting DDoS Attacks in SDN environment

**Thematic : Innovation, Technology 4.0**

**Room : SALLE MASTER SID département de Physique**

<b>Mardi 16/05/2023</b>		
<b>Communications orales :</b>		
<b>Session 1 :</b>		
<b>Pr. Mohamed Benkhalifa, Pr. Hajar El Hannach, Adil Bouhouch</b>		
<b>Salle : MASTER SID</b>		
<b>Horaire</b>	<b>Auteur principale</b>	<b>Titre</b>
09 :45— 10 :00	Chaimae Saadouni	Identification of IoT objects in a zero-trust context
10 :00— 10 :15	Meryem BOURAS	Algorithm parallelisation: Top-k and KNN as an example



10 :15—10 :30	EL ASRY CHADIA	A COMPARATIVE STUDY FOR INTRUSION DETECTION WITH IMBALANCED DATASET
10 :30—10 :45	Kamal NAJEM	Optimization of Education Technologies - Adaptive Learning System (SoftSkills)
10 :45—11 :00	Oumaima Mechehoul	Urbanization of the information systems
11 :00—11 :15	Fatima Zahrae El Azhary	Generative Adversarial Networks (GANs) for Person Re-Identification: A Powerful Image Generator
11 : 15—11 :30	Wafae Abbaoui	The Synergy of AI and Precision Medicine: A New Era of Healthcare
<b>Pause</b>		
<b>Session 1 :</b>		
<b>Pr. Redoune Benaïni , Pr. Oussama Mohamed Reda, Pr. Ali Ouacha, Pr. M'hamed Ahmed</b>		
12 :00—12 :15	Chaymae Talbi	5G technology revolutionizes smart cities: a study of its impacts and opportunities
12 :15—12 :30	Mohamed EL BOUKHARI	Integrating NLP with User Stories for Agile Software Architecture Choice
12 :30—12 :45	Nouhaila MOUSSAMMI	Optimizing Energy Consumption in Mobile Edge Computing through Offloading Decisions
12 :45—13 :00	SAMIRA BOULAAID	La prediction des problemes des reseaux d'assainissement a base de l'IA
13 :00—13 :15	El Mehdi Bouchamama	A Survey of Layer-Two Blockchain Protocols - State Channels and Sidechains
13 :15—13 :30	Chaimae AHOUEAT	Developing a Forex Expert Advisor Based On A New Indicator Model.
13 :30—13 :45	Oumaima Nadi	Developing A Gold Expert Advisor Based On A New Indicator Model

<b>Mercredi 17/05/2023</b>		
<b>Communications orales :</b>		
<b>Session 1</b>		
<b>Pr</b>		
<b>Pr. Bouabid Ouahidi, Pr. Samira Douzi, Pr. Abderrahmane Ez-zahout</b>		
<b>Salle : MASTER SID</b>		
<b>Horaire</b>	<b>Auteur principale</b>	<b>Titre</b>
09 :45—10 :00	Milouda BOUICHOUE	Towards a Systematic Approach to Algorithm Choice in Machine Learning
10 :00—10 :15	Halima Benarafa	WordNet Semantic Relations Based Enhancement of KNN Model for Implicit Aspect Identification in Sentiment Analysis
10 :15—10 :30	Anass ARISS	Monitoring system: global views on the approach and existing methods
10 :30—10 :45	Amine KHARBOUCH	Sustainable Agriculture through Smart Farming
10 :45—11 :00	Sara Lahlou	Literature review for the accuracy of Deep Learning methods for the treatment of Tuberculosis using chest imaging.
11 :00—11 :15	Soukaina Elansari	Analytic performance between 4G and 5G networks using big data
11 :15—11 :30	Hiba KANDIL et al	The Internet of Things(IoT) security : issues and solutions

<b>Pause</b>		
<b>Session 1 :</b>		
<b>Pr. Hicham Gueddah , Pr. Adil Bouhouch, Pr. Driss Namly, Pr. Ouardi Faissal, Pr. Khalifi Hamid, Pr. El Amrani M.</b>		
12 :00—12 :15	Hamza EL MEZOUARI	Method to hybridize two consensus mechanisms in a single blockchain
12 :15—12 :30	NDAYIKENGURUKIYE Aristide	OVERVIEW OF METAHEURISTIC METHODS APPLIED TO VIRTUAL MACHINE PLACEMENT
12 :30—12 :45	Hicham Yzzogh	Machine Learning Techniques for detecting DDoS Attacks in SDN environment
12 :45—13 :00	Mohammed Amraoui	Audio confidentiality
13 :00—13 :15	Asmae Zaitar	Thompson automata for Extended to multi-tilde-bar Regular Expressions
13 :15—13 :30	OUAFAE BENOUDIFA	Continuous adaptation intelligent automatic of controller placement problem in SDN
13 :30—13 :45	Adnane Mzibri	Efficient Anomalous Traffic Detection in Software-Defined Networks using Machine Learning

<b>Jeudi 18/05/2023</b>		
<b>Communications orales :</b>		
<b>Session 1</b>		
<b>Pr. Fouzia Omary, Pr. Meryem Belhiah, Pr. Hafssa Benaboud</b>		
<b>Salle : MASTER SID</b>		
<b>Conférence thématique</b>		
<b>Saiida Lazaar, ENSA Tanger, Université Abdelmalek Essaadi,</b>		
<b>Cybersecurity challenges in industry 4.0</b>		
09 :15—10 :00		
<b>Horaire</b>	<b>Auteur principale</b>	<b>Titre</b>
10 :00—10 :15	Youness BOUTYOUR	Artificial Intelligence and Assessment Generators in Education: A Comprehensive Review
10 :15—10 :30	Aissata Dia	Analysis of different recommendation algorithms
10 :30—10 :45	OUTHMAN ABBASSI	Application of machine learning on drug discovery
10 :45—11 :00	SELLAKHASNAE	Contribution au developpement des systemes intelligents
11 :00—11 :15	GHLANA AMARA	Medical recommender systems-based AI algorithms
11 :15—11 :30	Wassima Elallaki	Detecting Alzheimer's Disease using Deep Learning : A Review of Neuroimaging Based Approaches
<b>Pause</b>		
<b>Session 1 :</b>		
<b>Pr. Yasmine Zaoui Seghroucheni, Pr. M'Hamed Errahmouni, Pr. Echoukairi Hassan, Pr. Driss Namly</b>		
12 :00—12 :15	KHALILLARDHAM	Comparative Analysis of Recurrent Neural Networks (RNN) and Neutrosophy Neural Networks (NRNN) in Arabic Text Sentiment Analysis
12 :15—12 :30	Aicha OUSSOUS	Effective Machine Learning Techniques for Disease Prediction Review

12 :30—12 :45	Mehdi Bouskri	Some Machine Learning Methods to Predict Patients with Nasopharyngeal Cancer.
12 :45—13 :00	Imane Ennejjai	A novel approach to fake news detection applying machine learning classifiers
13 :00—13 :15	asmaa lamjid	Predictive hiring for soft and hard skills
13 :15—13 :30	Nabaouia Louridi	Identification of cardiovascular risk factors using ML
13 :30—13 :45	Ibtissam BENCHAJI	Contextual analysis for Credit Card Fraud detection based on PV-DM Model (Paragraph Vector-Distributed Memory)

<b>Vendredi 19/05/2023</b>		
<b>Communications orales :</b>		
<b>Session 1</b>		
<b>Modérateurs : Pr. Mouad Benmamoune , P. Ahmed Mhamedi , P. EL Yahyaoui Ahmed, Pr. Belhiah Meryem</b>		
<b>Salle : MASTER SID</b>		
<b>Horaire</b>	<b>Auteur principale</b>	<b>Titre</b>
10 :00—10 : 15	Khaoula BOUBA	A Methodology for transforming informal language to formal language for of critical systems
10 :15—10 :30	Imane ECH-CHRIKI	Chatbots: The Future of Learning
10 :30—10 :45	My Lakbir Tahiri Alaoui	Data quality improve through Outlier detection
10 :45—11 :00	Abir Nasry	People Tracking In Video Surveillance System
11 :00—11 :15	Najoua el hajjaji el idrissi	A Taxonomical Comparison of Object Detection and Object Tracking in Intelligent Video Surveillance Systems
11 :15—11 : 30	Ayoub Nfissi	Artificial Intelligence-based Data Encryption
11 :30—11 :45	Hachimi Nada	Test automation and AI
<b>Pause</b>		
<b>Session 1 :</b>		
<b>Modérateurs : Pr. Abderrahim Ait WAKrime, Pr. Abdellah Idrissi, Pr. Soumia Ziti, Pr. Gueddah Hicham</b>		
12 :00—12 :15	Imane El Khammar	Enhancing the Utilization of the Skyline Algorithm in the Research and Selection System for Cloud Services
12 :15—12 :30	KhawlaElansari	Spell Correction using Neural Networks
12 :30—12 :45	Abdelkrim Imghoure	Certificateless scheme based on Elliptic Curve Cryptography in V2X
12 :45—13 :00	MOSSAAB IDRISSE ALAMI	Intelligent Videosurveillance system: People Re-identification techniques evaluation based CMC/CDF metrics.
13 :00—13 :15	Nihal ferhane	Intelligent video surveillance systems
13 :15—13 :30	Anouar BEN HALIMA	Different strategies to achieve success in load balancing
13 :30—13 :45	SIDI BOUBACAR Zeidane	Automating Recruitment Process using NLP: A Novel Approach for Efficient and Accurate Candidate Selection

**Thematic: Telecommunications & Signal Processing**  
**Tuesday 16<sup>th</sup>, May 2023**  
**Room: Salle 20**

**Jury: Pr M. Ouadou, Pr K. Minaoui**

10:15	SANA AKOURMIS	Deployment of nodes in wireless sensor networks
10:30	HANAE BELMAJDOUB	Automatic detection of Moroccan coastal upwelling from chlorophyll a concentration images using the Expectation Maximization method
10:45	NADA BENDAHDAN	A novel centrality based measure for influential nodes detection in social networks
11	BOUTAINA BENHMIMOU	Glass Based Parasitic Slot Antenna for unlimited lifetime 1U and 2U CubeSat Missions
11:15	MOHAMMED AMINE BOUZAIDI TIALI	Augmented perception for autonomous Vehicles
11:30	YASSINE GOUNINE	The security of clinical sharing of radiological images
pause	pause	pause
12	MOHAMMED AMINE HAJJI	New approach of interoperability between different blockchain networks
12:15	HABIB IDMOUIDA	Designing AIS Link based on Software Defined Radio for LEO Satellites
12:30	AMINE JILBAB	Artificial intelligence applied to the Parkinson 's disease diagnosis
12:45	ABDELOUAHED LAAZOUFI	Saliency based point cloud quality assessment method using aware features learning
13	MAJDA LAFHEL	The similarity between movie scripts using Multilayer Network Laplacian Spectra Descriptor
13:15	FOUAD OMARI	High Gain Metal Only Planar Antennas for 3U CubeSats
13:30	YAHIA SERBOUTI	Characterization of electromagnetic coupling with cables buried in stratified soil

**Thematic: Geosciences, Water and Environment**

**Tuesday 16<sup>th</sup>, May 2023**

**Room: Salle DAGUIN dept géologie**

**Jury : Pr. L. TERHZAZ, Pr. A. AMINE, Pr. S. HAKDAOUI**

10:15	ZINEB AAFIR	Contribution de la methode geophysique a l'evaluation du potentiel minier dans le sud est de la boutonniere de Saghro, Anti Atlas Oriental, Maroco
10:30	TALIH AMINE	Geodynamique du Carbonifere inferieur de Tisdafine, a la frontiere meridionale de la Meseta marocaine : Evolution paleo environnementale, stratigraphique et structurale
10:45	SIHAM AOUZAL	MORPHOMETRIC CHARACTERISTICS OF THE OUED RHERIS WATERSHED (SOUTH EAST MOROCCO)
11	MARYAME AZIZ	Modeling groundwater quality by coupling artificial intelligence and remote sensing
11:15	SOUFIANE BOULMANI	L'UTILISATION DU SOL ET L'ETALEMENT URBAIN DANS LE CAS DE LA VILLE DE RABAT AU MAROC : APPROCHE INTEGRE PAR TELEDETECTION, MODELISATION GEOSPATIALE, DEEP ET MACHINE LEARNING
11:30	MOSTAPHA BOUZEKRAOUI	Basement structure of the Tinghir Errachidia Boudenib basin (Pre African Trough, Morocco)
pause	pause	pause
12	HIND BOUZNAKARI	The conceptual hydrostratigraphical model of the Tinejdad Touroug aquifer
12:15	BOUISS CHARAF EDDINE	Modeling the risk of landslide in the Tamdrost watershed Settat, Morocco
12:30	SAID COURBA	Mineralogical characterization and fluid inclusion investigation of the mineralization of the Jbel El Machhot eastern anti atlas
12:45	SAIDA DADA	Calcul du bilan Hydrologique de la nappe phreatique plio Quaternaire du plateau de Meknes
13	WIAME EL MOUTCHOU	Contribution of aeromagnetic mapping for studying the North Middle Atlas Accident and neighbouring anticline ridges during the Maastrichtian (South West, Middle Atlas, Morocco)
13:15	OUMAIMA ERRAMI	Contribution a l'evaluation des potentialites du Maroc dans le stockage geologique du CO2

**Wednesday 17<sup>th</sup>, May 2023**

**Room: Salle DAGUIN dept géologie**

**Jury : Pr. Mounia Tahiri, Pr T. BOURAMTANE**

10:15	FATIMA GHZAL	les geomateriaux de la region de rabat sale kenitra et la geologie regionale de region
10:30	FATIMA ZAHRA HAFFOU	Evaluation of the geothermal potential in the eastern region of Morocco
10:45	SANAE HAJJIOUI	LA TELEDETECTION AU SERVICE DE LA

		CARTOGRAPHIE GEOLOGIQUE : CAS DE LA BOUTONNIERE KERDOUS
11	MARYEM HAMIDI	Comparison of Machine Learning Methods for Landslide Susceptibility Mapping in Morocco s Mountainous Rif Region
11:15	YASSINE HAMMOUD	Assessing the Reliability of Satellite Climate Data as an Alternative to Gauge Measurements for Water Resources Management in Meknes Plateau
11:30	BENANI HICHAM	Modelisation 3d des grottes cas de la grotte Aziza Province Errachidia
pause	pause	pause
12	HALIMA HILAL	Modeling of groundwater levels by coupling remote sensing and artificial intelligence
12:15	ABDELHADI IFLILISS	Application des methodes; geophysique, teledetection et SIG en prospection des ressources en eau en milieu fracture; Cas de l'Anti Atlas Occidental, Maroc
12:30	KHADIR IKRAM	etude geologique sur la zone de berchid
12:45	KHADIR IKRAM	etude de zone de berchid
13	ADIL IMAM	Foraminiferes du Cretace dans le Rif marocain : Outil pour comprendre l evolution des paleoenvironnements, promouvoir la durabilite et gerer les ressources geologiques
13:15	OUMECHTAQ ISMAIL	Impact of data imputation on the assessment of climate trends (case study of precipitation in the Souss Massa watershed

**Thursday 18<sup>th</sup>, May 2023**

**Room: Salle DAGUIN dept géologie**

**Jury : Pr. Saadia LHARTI, Pr. Sahar EL KASMI**

10:15	SARA KOUCAR	MODELISATION ET CARTOGRAPHIE DU RISQUE DE L'EROSION HYDRIQUE PAR L'APPLICATION DES SIG ET DES DIRECTIVES PAP/CAR CAS DU BASSIN VERSANT
10:30	IMANE KOUNTI	Caracterisation physico chimique des gisements argileux au Maroc
10:45	FADOUA LAGHRIB	Contribution of Physico Chemical Parameters of Groundwater to the Improvement of the Knowledge of Aquifers of the Cretaceous Basin of Errachidia Boudenib (Morocco)
11	AZIZA LAMCHAIMECH	Caracteriser la capacites des eaux souterraines a se recharger artificiellement une etude de cas du bassin du ziz, au sud est du Maroc
11:15	OUMAIMA LAMGHARI	L'Information Spatial, Une Realite Devouee a l'Amelioration De la Cartographie Geologique
11:30	HAJAR LAZAR	Zonation des masses d'eaux souterraines en Corse (France) a partir des caracteristiques bacteriologiques et physicochimiques
pause	pause	pause

12	WALID MAHBOUBI	Application de la technologie geo spatiale a la correction des cartes geologique du Jbel Saghro (Anti Atlas Orientale Maroc)
12:15	AYACH MERYEM	cartographie multi parametres de la qualite des eaux souterraines de la region AUVERGNE RHONE ALPE
12:30	HANANE MEZIANE	Evaluation spatiale de l'erosion des sols agricoles par le modele RUSLE dans le bassin versant de Mazer plateau de Settat Maroc
12:45	ISMAIL MOHSINE	Assessing the Spatial Scale of Groundwater Quality in the PACA Region of France: Combining Clustering approaches with Machine Learning Methods
13	BEN DRISS MOULAY AHMED	Cartographie du potentiel en eau souterraine des aquiferes fractures a l aide de la teledetection et des technologies SIG dans la region de Fritissa Tissaf du bassin du Moyen Moulouya, Maroc
13:15	BTISSAM MOUTAOUAKKIL	l intelligence artificielle pour la cartographie geologique a l aide des donnees de teledetection

**Friday 20<sup>th</sup>, May 2023**

**Room: Salle DAGUIN dept géologie**

**Jury : Pr JAYDAWI, Pr SAADANE, Pr DAGHMOUMI, Pr F-Z Tabyaoui, Pr A. Ouzzaouit**

10:15	EL MILOUDIYA NAJI	Action erosive et temoins de recul de la ligne de rivage dans le secteur de Rabat Sale : impact sur l aménagement cotier
10:30	KAWTAR NASSRI	IMPORTANCE DE LA CARTOGRAPHIE DETAILLEE AU (1/1000eme) DANS LA MISE EN EVIDENCE D'UNE TECTONIQUE SYNSEDIMENTARE EN REGIME EXTENSIF A TRANSTENSIF DANS LES SERIES DU PASSAGE DEVONIEN TERMINAL - VISEEN SUPERIEUR (Nord de la Bande de Benslimane, Meseta NW, Maroc)
10:45	LAHCEN OUSAIID	Identifying Favorable Zones for Mineral Exploration in the Saghro Massif Using GIS and Geoscience Datasets
11	FATIMA SAADI	ETUDE MORPHO SEDIMENTAIRE ET PALEO ENVIRONNEMENTALE DES FORMATIONS HOLOCENES DE LA MARGE NORD OUEST SAHARIENNE PLAINE DE DRAA, MAROC
11:15	FATIMA SEGAOUUI	A STUDY OF HOLOCENE CONTINENTAL FLUVIAL DEPOSITS IN THE MIDDLE MOULOUYA BASIN (MOROCCO) AIT ICHOU: FIRST MALACOLOGICAL, LITHOBIOSTRATIGRAPHIC AND PALEOENVIRONMENTAL DATA
11:30	OMAR TALEB	L integration de la teledetection dans la cartographie geologique de la boutonniere d Agadir Melloul
pause	pause	pause
12	HAMZA YOUSFI	Evaluation of the paleogeography, and characterization of the lead zinc mineralization High plateaus Morocco

12:15	HOUDA ZITOUNI	Contribution des résultats des reconnaissances géologiques des sites de barrage Ribat Al khayr région de Sefrou à la perfection de la cartographie géologique
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## Thematic : Diversité du vivant, génomique et biotechnologie

### Room : Amphi Al Khawarizmi

Diversité du vivant, génomique et biotechnologie			
Sous thème : Biotechnologie et Valorisation des Bio-ressources			
Intitulé & Auteurs		Lieu	Jury
10h15 - 10h30	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Morphological, chemical, genetic diversity and nutritional characteristics of Moroccan <i>Mentha</i> species</li> <li>• <b>Auteur:</b> BENJEDDI ABIR</li> </ul>	Amphi Al Khawarizmi	<b>Modérateur :</b> Pr. TRIQUI Zine El Abidine <b>Rapporteurs :</b> Pr. HENKRAR Fatima Pr. MOUKRIM Said
10h30 – 10h45	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Comparison of the antioxidant activity of Carob pulps and seeds (<i>Ceratonia siliqua</i> L.) collected in different sites of Morocco</li> <li>• <b>Auteur:</b> ETTALEB ISMAIL</li> </ul>		
10h45 – 11h00	<ul style="list-style-type: none"> <li>• <b>Intitulé :</b> Contribution à la valorisation des huiles essentielles du romarin, cas de la province de Taourirt</li> <li>• <b>Auteurs :</b> FARHANI FAOUZI</li> </ul>		
11h00- 11h15	<ul style="list-style-type: none"> <li>• <b>Intitulé :</b> Contribution à la valorisation des protéines de lupin : Mise au point des procédés d'extraction et caractérisation de leurs propriétés techno-fonctionnelles et structurelles</li> <li>• <b>Auteur:</b> PATERNE NAHIMANA</li> </ul>		
11h15 - 11h30	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Front face fluorescence spectroscopy enable rapid differentiation of Moroccan extra virgin argan oils with respect to their geographic origin</li> <li>• <b>Auteur:</b> EL HADDAD YOUSRA</li> </ul>		
11h30 – 11h45	<ul style="list-style-type: none"> <li>• <b>Intitulé :</b> "Argania spinosa L. Skeels" <i>in vitro</i>: entre la germination et la multiplication en masse</li> <li>• <b>Auteur:</b> FARHOUNE HASSANIA</li> </ul>		
11h45 – 12h00	<b>PAUSE</b>		
12h00 – 12h15	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Effect of Culture conditions on Growth, Morphology and C-phycoyanin concentration of Helical and Linear <i>Arthrospira platensis</i></li> <li>• <b>Auteur:</b> LIJASSI IBTISSAM</li> </ul>	Amphi Al Khawarizmi	<b>Modérateur :</b> Pr. GUENNOUN Naima <b>Rapporteurs :</b>



12h15 – 12h30	<ul style="list-style-type: none"> <li>• <b>Intitulé :</b> Évaluation des niveaux de pathogénicité/parasitisme des espèces d'Orobanche/Phelipanche vis-à-vis différentes espèces de légumineuses au Maroc</li> <li>• <b>Auteurs :</b> EL AMRI MAJDA</li> </ul>		Pr. BEN SALEM Abdelkrim Pr. KASMI Manal
12h30-12h45	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Phenotypic characterization of <i>Botrytis cinerea</i> isolates in grapevine</li> <li>• <b>Auteurs :</b> EL MERROUNI SANAË</li> </ul>		
12h45 – 13h00	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Présence of Ochratoxinogenic Fungi and Ochratoxin A in Durum Wheat Seeds from Different Regions of Morocco: An Investigation on Contamination and Climate Influence.</li> <li>• <b>Auteurs :</b> ASTATI SALMA</li> </ul>		
13h00 - 13h15	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Identification of Aflatoxigenic <i>Aspergillus</i> Species in Moroccan Durum Wheat using Multiplex PCR and High-Performance Liquid Chromatography</li> <li>• <b>Auteurs :</b> BOUSTA AMINE</li> </ul>		
13h15 – 13h30	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Prevalence of Adverse Reactions of Medicinal Plants used in Diabetic Patients at Ibn-Sina Hospital in Rabat, Morocco</li> <li>• <b>Auteurs :</b> SEKKAT ZINEB LAAZIZA</li> </ul>		

**Wednesday 17<sup>th</sup>, May 2023**  
**Room : Amphi Al Khawarizmi**

Sous-thème: Diversité génétique, génomes et bioinformatique			
	Intitulé & Auteurs	Lieu	Jury
10h15 - 10h30	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Comparative genomics of <i>Enterobacter rhormaechei</i> subsp. <i>xiangfangensis</i> MDMC82 isolated from the Merzouga desert: genomic insight into its environmental adaptation and biotechnological potential.</li> <li>• <b>Auteurs:</b> ZOUAGUI HOUDA</li> </ul>	Amphi El Khawarizmi	<p><b>Modérateur :</b> Pr. MISBAH EL IDRISSE Mustapha</p> <p><b>Rapporteurs :</b> Pr. TALBI Chouhra Pr. BOUZROUD Sarah</p>
10h30 – 10h45	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Functional analysis and comparative genomics of <i>Rahnella perminowiae</i> S11P1 and <i>Variovorax</i> sp. S12S4, two plant growth-promoting rhizobacteria isolated from <i>Crocus sativus</i> L. (saffron) rhizosphere</li> <li>• <b>Auteurs:</b> ZOUAGUI RAHMA</li> </ul>		
10h45 – 11h00	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Oxford Nanopore Sequencing a new technology for detecting Multidrug-Resistant (MDR) <i>Mycobacterium tuberculosis</i> strains</li> <li>• <b>Auteurs:</b> ELKASSIMI SAFAË</li> </ul>		
11h00-11h15	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Genetic profiling of antibiotics resistant mycobacterial strains (MDR/XDR), isolated from Moroccan tuberculosis patients, by targeted NGS high-throughput sequencing</li> </ul>		

	<ul style="list-style-type: none"> <li>• <b>Auteur:</b> LAATRI SAID</li> </ul>		
11h15 - 11h30	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Assessment of <i>Retama</i> genetic diversity using ISSR, rep, ITS-RFLP and phylogeny and DNA-barcoding.</li> <li>• <b>Auteur:</b> KADDOURI KAOUTAR</li> </ul>		
11h30 – 12h00	<b>Pause</b>		
	<b>Intitulé &amp; Auteurs</b>		
12h00 – 12h15	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Phylogenetic analysis of fatty acid desaturase gene family in oil crop species: Implications for functional divergence and quality oil production</li> <li>• <b>Auteur:</b> EL FAQER ABDELMOIEZ</li> </ul>	<b>Amphi El Khawarizmi</b>	<b>Modérateur :</b> Pr SBABOU Laila <b>Rapporteurs:</b> Pr. MEDRAOUI Leila Pr. RAHMOUNI Imane
12h15 – 12h30	<ul style="list-style-type: none"> <li>• <b>Intitulé :</b> Plant DNA barcoding</li> <li>• <b>Auteur:</b> LHAYANI KAWTAR</li> </ul>		
12h30- 12h45	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Study of the diet of the European otter (<i>Lutra lutra</i>) in a section of the Beht wadi with the Metabarcoding technique</li> <li>• <b>Auteur:</b> MAHAMOUD ABDELLAH</li> </ul>		
12h45 – 13h00	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Comparison of three statistical approaches for feature selection for fine scale genetic population assignment in four pig breeds</li> <li>• <b>Auteur:</b> HAYAH ICHRAQ</li> </ul>		
13h00 - 13h15	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Assessing Milk Yield and Fertility Traits in Moroccan Holstein Friesian Cattle: A Comprehensive Analysis Using Univariate and Multivariate Animal Models</li> <li>• <b>Auteur:</b> CHAFAI NARJICE</li> </ul>		

**Thursday 18<sup>th</sup>, May 2023**  
**Room: Amphi Al Khawarizmi**

Sous thème : Biodiversité et Gestion Durable des Écosystèmes		
Intitulé & Auteurs	Lieu	Jury
10h15 - 10h30	Amphi Al Khawarizmi	<b>Modérateur :</b> Pr. BAZAIRI Hocein  <b>Rapporteur :</b> Pr. ICHEN Abdellah Pr. HAMID Aicha
<ul style="list-style-type: none"> <li><b>Intitulé:</b> Phenology of the digenean trematodes of the cockle <i>Cerastoderma edule</i> in the lagoons of Oualidia, Merja Zerga and Arcachon</li> <li><b>Auteur:</b> NAZIK ALFEDDY</li> </ul>		
<ul style="list-style-type: none"> <li><b>Intitulé:</b> <i>Chromochloris Zofingiensis</i> for Wastewater Treatment and Bioenergy Production</li> <li><b>Auteur:</b> HOURIA EL BAKRAOUI</li> </ul>		
<ul style="list-style-type: none"> <li><b>Intitulé:</b> Spatial study and management perspectives: Case of the Maâmora forest (North-west of Morocco)</li> <li><b>Auteur:</b> ABDERRAHYM GHOULDAN</li> </ul>		
<ul style="list-style-type: none"> <li><b>Intitulé:</b> An unexpected presence in urban environment: factors governing occurrence of the vulnerable European turtle-dove (<i>Streptopelia turtur</i>) in the city of Rabat, Morocco</li> <li><b>Auteur:</b> EDDAJJANI AICHA</li> </ul>		
<ul style="list-style-type: none"> <li><b>Intitulé :</b> Evaluation de la pollution des eaux usées de la ville de Benguerir et impact de leurs utilisations sur la faune et la flore des sols irrigués.</li> <li><b>Auteur:</b>HAFID CHAIMAA</li> </ul>		
<ul style="list-style-type: none"> <li><b>Intitulé:</b> The study of species diet in the Moroccan South Atlantic marine ecosystem</li> <li><b>Auteur:</b> KHATTAB ANAS</li> </ul>		
11h45 – 12h00	Pause	
12h00 – 12h15	Amphi Al Khawarizmi	<b>Modérateur :</b> Pr. NACIRI Meryem  <b>Rapporteur:</b> Pr. WARIGHLI Fatima Pr. DALLAHI Youssef
<ul style="list-style-type: none"> <li><b>Intitulé:</b> Database of toxic plants in Morocco: a tool for research and prevention</li> <li><b>Auteur:</b> LABRIGHLI KHAOULA</li> </ul>		
<ul style="list-style-type: none"> <li><b>Intitulé:</b> Effect of tree shelters and regeneration method on survival and growth of cork oak plantations in the Maâmora forest, Morocco</li> <li><b>Auteur:</b> LAHLIMI EL ALAMI SANAE</li> </ul>		
<ul style="list-style-type: none"> <li><b>Intitulé:</b> Modeling the probability of occurrence of wild boar in Morocco</li> <li><b>Auteur:</b> MAAROUF SELMA</li> </ul>		
<ul style="list-style-type: none"> <li><b>Intitulé:</b> Estimating forest leaf area index of <i>Argania spinosa</i> using satellite images</li> <li><b>Auteur:</b> MOUAFIK MOHAMED</li> </ul>		

13h00 - 13h15	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Impact of drought on agronomic and quality parameters in durum wheat varieties in the context of climate change</li> <li>• <b>Auteur:</b> MACKAYE MOUSSA HASSANE</li> </ul>		
13h15 – 13h30	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Taxonomic and functional beta-diversity of marine communities along the Moroccan South Atlantic coast</li> <li>• <b>Auteur:</b> RBIAI OUSSAMA</li> </ul>		
13h30 – 13h45	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b> Otolith shape provides new insight into the stock structure of <i>Scomber colias</i> along the North West African coast</li> <li>• <b>Auteur:</b> SBIBA SALAH EDDINE</li> </ul>		

**Friday, 19<sup>th</sup> Mai 2023**  
**Room : Amphi Al Khawarizmi**

Sous thème : Biotechnologie et Valorisation des Bio-ressources			
Intitulé & Auteurs		Lieu	Jury
10h15 - 10h30	<ul style="list-style-type: none"> <li>• <b>Intitulé :</b> Valorization of Moroccan Phosphate Sludge through Isolation and Characterization of Phosphate Solubilizing bacteria and Assessment of Their Growth Promotion Effect on <i>Phaseolus vulgaris</i></li> <li>• <b>Auteur:</b> AIT-OUAKRIM EL HOUCINE</li> </ul>	Amphi Al Khawarizmi	<p><b>Modérateur :</b> Pr. RAHOUTI Mohamed</p> <p><b>Rapporteurs :</b> Pr. O. Chlyah. Pr. TAHA Kaoutar</p>
10h30 – 10h45	<ul style="list-style-type: none"> <li>• <b>Intitulé :</b> Caractérisation agromorphologique et moléculaire des accessions du sorgho local Mauritanien et la sélection pour leur tolérance aux stress hydrique</li> <li>• <b>Auteur:</b> SECK FATIMADA AMADOU</li> </ul>		
10h45 – 11h00	<ul style="list-style-type: none"> <li>• <b>Intitulé:</b>Different species of <i>Bradyrhizobium</i> from symbiovars genistearum and retamae nodulate the endemic <i>Retama dasycarpa</i> in the High Atlas Mountains</li> <li>• <b>Auteur:</b> LAMRABET MOUAD</li> </ul>		
11h00- 11h15	<ul style="list-style-type: none"> <li>• <b>Intitulé :</b> Effect of Rhizobia x wheat genotypes interaction on drought tolerance and agronomic performance of wheat in Morocco</li> <li>• <b>Auteur:</b> ED-DAOUDY LAMYAE</li> </ul>		
11h15 - 11h30	<ul style="list-style-type: none"> <li>• <b>Intitulé :</b> The inoculation with <i>Ensifer meliloti</i> sv. rigiduloides improves considerably the growth of <i>Robinia pseudoacacia</i> more than <i>Ensifer kummerowiae</i> sv. meliloti under lead-</li> </ul>		

	stress		
	• <b>Auteur:</b> ALAMI SOUFIANE		
11h30 – 11h45	• <b>Intitulé:</b> Conception et modélisation d'un système aquaponique au Maroc • <b>Auteur:</b> RHARROUR HAYTAM		
En ligne	• <b>Intitulé:</b> Phytoextraction of rare earth elements from Bauxite residues using <i>Phytolacca americana</i> • <b>Auteur:</b> LAMWATI YOUSSEF		

**Wednesday 17<sup>th</sup>, May 2023**  
**Room: Amphi Ibn Sina**  
**Présentations Posters**

TM07 : Diversité du vivant, génomique et biotechnologie Sous thème : Biodiversité et Gestion Durable des Écosystèmes			
10h15 – 11h45	Intitulé & Auteurs	Lieu	Jury
5 min par présentation	<b>Intitulé :</b> Les Biologistes s'interrogent, les Monogènes répondent. <b>Auteur:</b> ARCHIMEDE MUSHAGALUSA MULEGA	Amphi IBN SINA	<b>Modérateur :</b> Pr. BENHOUSSA Aziz  <b>Rapporteurs :</b>  Pr. ICHEN Abdellah Pr. HAMID Aicha
	<b>Intitulé :</b> Study of the monogenea of <i>Mugilidae</i> <b>Auteur:</b> ARMEL STEPHANE ASSI		
	<b>Intitulé :</b> Systématique, écologie et Phylogénétique des Monogènes parasites branchiaux des Mormyridae du bassin de la Sanaga Cameroun <b>Auteur:</b> NGO BOUM ALICE LAKEN		
	<b>Intitulé:</b> Parasites of the invasive American blue crab <i>Callinectes sapidus</i> Rathbun, 1896 (Decapoda, Portunidae) in coastal ecosystems of Morocco: a One-Health approach. <b>Auteur:</b> AMAL LAMKHALKHAL		
	<b>Intitulé:</b> Bio-Ecology of the blue crab <i>Callinectes sapidus</i> , Rathbun, 1896 in the Marchica lagoon <b>Auteur:</b> NASSIR KADDOURI		
	<b>Intitulé:</b> Socio-ecology of the invasion of the American blue crab ( <i>Callinectes sapidus</i> ) in Morocco: The lagoon of Marchica <b>Auteur:</b> HOUDA EL HADAD		

	<p><b>Intitulé :</b> Evaluation qualitative et quantitative des communautés zooplanctoniques de la lagune de Merja zerga. Impact des facteurs anthropiques sur la distribution de cette communauté.</p> <p><b>Auteur:</b> MAHA MOUTIK</p>		
	<p><b>Intitulé:</b> The composition of the phytoplankton community and how it relates to the productivity of the phytophagous species <i>Oreochromis niloticus</i> and <i>Oreochromis leucosticus</i> in Lake Edward and Lake George (East Africa).</p> <p><b>Auteur:</b> ELYSEE NZIGIRE RUTAKAZA</p>		
	<p><b>Intitulé :</b> Etude de la dynamique d'<i>Anguillaanguilla</i> L.1758 au Maroc : cas du bassin de Sebou</p> <p><b>Auteur:</b> ABDERRAHIM EL HARRAK</p>		
11h45 – 12h00	<b>PAUSE</b>		
12h00 – 13h30	<b>Intitulé &amp; Auteurs</b>	<b>Lieu</b>	<b>Jury</b>
<b>5 min par présentation</b>	<p><b>Intitulé:</b> Culicidae (Insects, Diptera) of Djibouti-Ville and its region: Ecology and evaluation of the sensitivity of the species <i>Aedes aegypti</i> towards the four families of insecticides used.</p> <p><b>Auteur:</b> ABDOULGABAR ABDOURAHMAN OMAR</p>	<b>Amphi IBN SINA</b>	<p><b>Modérateur :</b> Pr. EL ABOUDI Ahmed</p> <p><b>Rapporteurs :</b> Pr. BEN SALEM Abdelkrim Pr. MOUKRIM Said</p>
	<p><b>Intitulé :</b> Cartographie des lots de chasse amodie au Maroc : Une pré-étape pour l'étude de l'effet du paysage sur la sélection des sites de nidification de la Perdrix gamra (<i>Alectoris barbara</i>)</p> <p><b>Auteur:</b> LAILASABRATE</p>		
	<p><b>Intitulé:</b> The snail as a sentinel species for monitoring environmental pollution</p> <p><b>Auteur:</b> FALL COUMBA DAGA TOURE</p>		
	<p><b>Intitulé:</b> Assessment of lead and zinc tolerance and accumulation in metallicolous and a non metallicolous of <i>P. harmala</i>: potential use in phytostabilization</p> <p><b>Auteur:</b> ALASSANE DIALLO</p>		
	<p><b>Intitulé:</b> Experimental study of the effect of salinity on the plant communities of temporary ponds in Western Morocco</p> <p><b>Auteur:</b> BOUDJAJ ABDESSADEQ</p>		
	<p><b>Intitulé:</b> Characterization of the plant</p>		

	communities of the littoral dunes of the bay of El Haouzia (Province of El Jadida) <b>Auteur: JIHANE TELLAL</b>		
	<b>Intitulé:</b> Climate change and carbon sequestration potential of Moroccan forestry and agroforestry ecosystems <b>Auteur: NABILA EL BAKKOUCHI</b>		
	<b>Intitulé:</b> Effect of tuber spp. on <i>Quercus</i> species <b>Auteur: CHAIMAE MEYAD</b>		
	<b>Intitulé:</b> Impact des incendies sur l'occupation du sol: cas du rif (forêt d'Izaren) et des pinèdes du Moyen Atlas (forêt de Tamrabta) <b>Auteur: RACHED MOHAMED</b>		

**Thursday 18<sup>th</sup>, May 2023**  
**Room : Amphi Ibn Sina**

Diversité du vivant, génomique et biotechnologie			
Session 1 : Sous thème/ Biotechnologie et Valorisation des Bio-ressources			
10h15 – 11h45	Intitulé & Auteurs	Lieu	Jury
5 min par présentation	<b>Intitulé:</b> The <i>in vitro</i> antifungal potential of <i>Mentha pulegium</i> extracts and essential oil for the biocontrol of <i>Fusarium oxysporum</i> f. sp. albedinis. <b>Auteur: Bouchtaoui EL Mehdi</b>	Amphi IBN SINA	<b>Modérateur :</b> Pr. SKALLI Souad <b>Rapporteur:</b> Pr. WAHBY Imane Pr. TALBI Chouhra
	<b>Intitulé:</b> Physiological, biochemical and molecular study of the nitrogen fixation symbiosis of <i>L. albus</i> -Bradyrhizobium under Pb stress <b>Auteur: BOUASSISS Ayoub</b>		
	<b>Intitulé:</b> Phytic Acid-Mineral Complexation in Wheat: How can we Improve its Bioavailability? <b>Auteur: EL HOUSSNI Imane</b>		
	<b>Intitulé:</b> Effect of organic carbon as alternative source of bicarbonates on the <i>Spirulina platensis</i> growth <b>Auteur: Mansouri Zineb</b>		
	<b>Intitulé:</b> Isolement et caractérisation moléculaire de rhizobactéries multi-stress-tolérantes favorisant la croissance des plantes dans la rhizosphère de l'olivier au sud du Maroc		

	<b>Auteur: AJDIG Mohammed</b>		
	<b>Intitulé:</b> la transformation de l'orge en produits alimentaire original		
	<b>Auteur: Mahrz Salma</b>		
	<b>Intitulé:</b> Isolation and characterization of plant growth-promoting rhizobacteria from the rhizosphere of date palms in the south of Morocco		
	<b>Auteur: MBARKI Ahlam</b>		
	<b>Intitulé:</b> Étude des stratégies d'adaptation aux effets des changements climatiques des élevages caprins conduits sur pâturages de hautes montagnes du Nord du Maroc		
	<b>Auteur: ELJANDARI Rim</b>		
<b>11h45 – 12h00</b>	<b>PAUSE</b>		
<b>Session 2 : Sous thème / Diversité génétique, génomes et bioinformatique</b>			
<b>12h00 – 13h30</b>	<b>Intitulé &amp; Auteurs</b>	<b>Lieu</b>	<b>Jury</b>
<b>5 min par présentation</b>	<b>Intitulé :</b> Investigating the Presence of European Otter ( <i>Lutra lutra</i> ) using Environmental DNA Technique in Bouregreg and Beht Rivers in Morocco <b>Auteur: Ondiba Melvin Kerubo</b>	<b>Amphi IBN SINA</b>	<b>Modérateur :</b> Pr.MEDRAOUI Leila  <b>Rapporteur:</b> Pr. RAHMOUNI Imane Pr. BOUZROUD Sarah
	<b>Intitulé :</b> Investigating the Presence of European Otter ( <i>Lutra lutra</i> ) using Environmental DNA Technique in Bouregreg and Beht Rivers in Morocco <b>Auteur: Simma Safae</b>		
	<b>Intitule:</b> Phenotypic characterization of Beldi (local) chicken ( <i>Gallus gallus</i> ) in Morocco <b>Auteur: Ait Tizi Saida</b>		
	<b>Intitule:</b> Pb-induced metabolomic and Biochemical changes in <i>Hirschfeldia incana</i> <b>Auteur: El khattabi Oumaima</b>		
	<b>Intitule:</b> Genomic characterization of Oregano in the Morocco using DNA barcoding <b>Auteur: TAZI Saloua</b>		
	<b>Intitulé:</b> Genome scan approach to predict climate response and adaptation of <i>Quercus suber</i> L., in the Maamora forest using specific SSR markers. <b>Auteur: Assemar Fatima ezzahra</b>		



<b>Thematic : GéoBiodiversité</b>			
<b>Tuesday 16/05/2023</b>			
<b>Room : Institut Scientifique</b>			
	<b>Intitulé &amp; Auteurs</b>	<b>Lieu</b>	<b>Jury</b>
<b>10h15 - 10h30</b>			
<b>10h30 – 10h45</b>	<p>Exploring Ni<sub>2</sub>P<sub>2</sub>O<sub>7</sub> and Ni<sub>2</sub>V<sub>2</sub>O<sub>7</sub> as Alternative Low-Cost Cathode Catalysts for Microbial Fuel Cells</p> <p>Hamza KHARTI</p> <p><i>Geobiodiversité (Institut Scientifique IS)</i></p>	<b>IS</b>	<p>Pr Himmi</p> <p>Pr Tahri</p> <p>Pr Sammoudi</p>
<b>10h45 – 11h00</b>	<p>Synthèse et caractérisation de matériaux éco-responsables à base de laitier-boue : implications industrielles</p> <p>Saadia LAGRANI</p> <p><i>Geobiodiversité (Institut Scientifique IS)</i></p>	<b>IS</b>	<p>Pr Himmi</p> <p>Pr Tahri</p> <p>Pr Sammoudi</p> <p>Pr. Aziz</p>
<b>11h00- 11h15</b>	<p>Study of the geomorphological evolution and impacts of the coastal spit of the Moulay Bouselham lagoon.</p> <p>HATIM HADDAOUI</p>	<b>IS</b>	<p>Pr Himmi</p> <p>Pr Tahri</p> <p>Pr Sammoudi</p> <p>Pr. Fekhaoui</p>
<b>11h15 -11h30</b>	<p>Mise en place et développement des tourbières et des marais du Rif au cours des derniers millénaires dans leurs relations avec les changements climatiques et l'histoire des activités humaines</p> <p>Aziz EL MARBOUH</p> <p><i>Geobiodiversité (Institut Scientifique IS)</i></p>	<b>IS</b>	<p>Pr Himmi</p> <p>Pr Tahri</p> <p>Pr Sammoudi</p>
<b>11h30 – 11h45</b>	<p>Evaluation de la qualité du système de gestion des déchets hospitaliers « cas de CHU Mohamed 6 Marrakech »</p> <p>Ayoub AIT BELLA</p> <p><i>Geobiodiversité (Institut Scientifique IS)</i></p>	<b>IS</b>	<p>Pr Himmi</p> <p>Pr Tahri</p> <p>Pr Sammoudi</p>
<b>11h45 – 12h00</b>	<p>Study of the diet of the European otter (<i>Lutra lutra</i>) in a section of the Beht wadi with the Metabarcoding technique</p> <p>Abdallah MAHAMOUD</p> <p><i>Geobiodiversité (Institut Scientifique IS)</i></p>	<b>IS</b>	<p>Pr Himmi</p> <p>Pr Tahri</p> <p>Pr Sammoudi</p>
<b>12h00 – 12h15</b>	<p>An unexpected presence in urban environment: factors governing occurrence of the vulnerable European turtle-dove (<i>Streptopelia turtur</i>) in the city of Rabat, Morocco</p>	<b>IS</b>	<p>Pr Himmi</p> <p>Pr Tahri</p> <p>Pr Sammoudi</p>

	Aicha EDDAJJANI <i>Geobiodiversité (Institut Scientifique IS)</i>		
<b>12h15- 12h30</b>	Morphologie et Sédimentologie des Habitats de Nidification de l'Hirondelle paludicole au Maroc Mohammed HILMI <i>Geobiodiversité (Institut Scientifique IS)</i>	<b>IS</b>	Pr Himmi Pr Tahri Pr Sammoudi
<b>12h30 – 12h45</b>	High resolution palynological analysis and palynofacies across the Paleocene-Eocene transition from the Sekada section, Larache region, Salma ABOUTOFAIL <i>Geobiodiversité (Institut Scientifique IS)</i>	<b>IS</b>	Pr Himmi Pr Tahri Pr Sammoudi Pr. Slimani

<b>Thematic : Géophysique, et risques naturels : Tuesday 16/05/2023 Institut Scientifique</b>			
	<b>Intitulé &amp; Auteurs</b>	<b>Lieu</b>	<b>Jury</b>
<b>10h15 - 10h30</b>	<ul style="list-style-type: none"> <li>Lithospheric seismicity of the High and Middle Atlas</li> <li>YOUSSEF BOUSABAA</li> </ul> <i>Geophysique, et risques naturels (Institut Scientifique IS)</i>	<b>IS</b>	Pr. Bouiflane Pr. Kettani Pr Ibn Brahim
<b>10h30 – 10h45</b>	<ul style="list-style-type: none"> <li>Integration of seismicity and gravimetry data for mapping active faults along the Larach Fez axis (Rif belt, Morocco)</li> <li>BADR BELLALA</li> </ul> <i>Geophysique, et risques naturels (Institut Scientifique IS)</i>	<b>IS</b>	Pr. Bouiflane Pr. El Ouai Pr Ibn Brahim
<b>10h45 – 11h00</b>	<ul style="list-style-type: none"> <li>HVSR (Nakamura technique) and MASW methods : a tool for seismic site effects assessment in sedimentary basin</li> <li>MOHAMED EL HILALI</li> </ul> <i>Geophysique, et risques naturels (Institut Scientifique IS)</i>		Pr. Bouiflane Pr. Moudnib Pr Timoulali
<b>11h00- 11h15</b>	<ul style="list-style-type: none"> <li>Contribution of electrical tomography to clarify the structural organization of the Paleozoic Zone in the Rabat Tiflet region (Morocco)</li> <li>NICOLAS ISAAC MONSARD</li> </ul> <i>Ecole Normale Supérieure de Rabat (ENS)</i>	<b>IS</b>	Pr. Bouiflane Pr. Moudnib Pr Timoulali
<b>11h15 -11h30</b>	<ul style="list-style-type: none"> <li>Geological mapping and lineament detection in High Atlas central and Middle Atlas ridges zone from satellite imagery: case of Imilchil Aghbala region</li> <li>ABDELKARIM NAJIM</li> </ul> <i>Géophysique, et risques naturels (Institut Scientifique IS)</i>	<b>IS</b>	Pr. Bouiflane Pr. Moudnib Pr Timoulali
<b>11h30 – 11h45</b>	<ul style="list-style-type: none"> <li>Approches géotechniques et apport de la tomographie électrique (ERT) pour étudier l'instabilité des pentes sur le littoral du Rif interne</li> </ul>	<b>IS</b>	Pr. M. Hakkou Pr. M. Mastère Pr.D. El Ouai

	<p>Etude du versant au PK 176+800 de la Rocade Méditerranéenne</p> <ul style="list-style-type: none"> <li>• TAJ BENOYOUNES</li> </ul> <p><i>Géophysique, et risques naturels (Institut Scientifique IS)</i></p>		
<b>11h45 – 12h00</b>	<ul style="list-style-type: none"> <li>• Assessment of Drainage Morphometry and Watersheds Prioritization of Oued Joumouaa, western Prerif, Morocco</li> <li>• FARTAS NAJIA</li> </ul> <p><i>Geophysique, et risques naturels (Institut Scientifique IS)</i></p>	<b>IS</b>	Pr. M. Hakkou Pr. M. Mastère Pr. Basri
<b>12h00 – 12h15</b>	<ul style="list-style-type: none"> <li>• Contribution of the airborne magnetic field to the structural and mineralogical study of Jbel Ougnat Eastern Anti Atlas of Morocco</li> <li>• SLIMANE SASSIOUI</li> </ul> <p><i>Ecole Normale Supérieure de Rabat (ENS)</i></p>	<b>IS</b>	Pr. Bouiflane Pr. Nouayti Pr Moudnib
<b>12h15 – 12h30</b>	<ul style="list-style-type: none"> <li>• Erosion Risk Modeling Using Morphometric Analysis: A Case Study of the Oued Amter Watershed in Northeast Morocco</li> <li>• MOHAMMED EL BRAHIMI</li> </ul> <p><i>Géophysique, et risques naturels (Institut Scientifique IS)</i></p>	<b>IS</b>	Pr. M. Hakkou Pr. M. Mastère Pr. D. El Ouai
<b>12h30- 12h45</b>	<ul style="list-style-type: none"> <li>• Signature of an extreme event deposits along the Moroccan Atlantic Coast of Morocco: evidences from Cores and GPR investigations</li> <li>• ASMA GHARNATE</li> </ul> <p><i>Géophysique, et risques naturels (Institut Scientifique IS)</i></p>	<b>IS</b>	Pr. Rahali Pr. Bouiflane Pr. Nouayti
<b>12h45 – 12h50</b>	<p>Mapping Flood Susceptibility and Detection Using Sentinel 1 Remote Sensing Data Case of study: Province of Taounate Morocco.</p> <p>LATIFA LADEL : Poster</p>	<b>IS</b>	Pr. Rahali Pr. Bouiflane Pr. Nouayti
<b>12h50-13h00</b>	<p>Rocks response to electromagnetic waves using Ground Penetrating Radar (GPR) methods.</p> <p>- ABDELAZIZ MOJAHID: Poster</p>	<b>IS</b>	Pr. Rahali Pr. Bouiflane Pr. Nouayti