

HEURE	LUNDI 20 DÉCEMBRE 2021				HEURE	MARDI 21 DÉCEMBRE 2021			
8H30 - 9H00	INSCRIPTION DES PARTICIPANTS				9H00 - 10H00	Conférence 2: Pr. Christophe RAMSEYER (Amphi 01)			
9H00 - 9H30	OUVERTURE DES JDD 2020 - Amphi 01				10H00-11H00	Conférence 3 : Pr. Kamel BESBES (Amphi 01)			
9H30-10H00	Compétition: Ma thèse en 180 secondes - (Amphi 01)				11H00-12H30	SESSION ORAL II			
10H00-10H30	PAUSE-CAFÉ					Endroit	Amphi 01 (SRSN)	Amphi 02 (MEC + EME)	
10H30 - 12H00	SESSION ORAL I					Chairman	H. Barhoumi	R. Mgaieth	
	Endroit	Amphi 01 (MCT)	Amphi 02 (MEC)	Amphi 03(SRSN)		11H00-11H15	M. Jeribi	M. Ben arbia	
	Chairman	M. Debbichi	M. H. Gazzah	S. Dridi Dhaouadi		11H15-11H30	B. Messai	F. Gaabel	
	10H30-10H45	A. Sagaama	S. Naceur	S. Hrichi		11H30-11H45	A. Ayeb	N. Souawda	
	10H45-11H00	I. Sboui	I. Daldoul	F. Necibi		11H45-12H00	A. Zgolli	O. Hassayoun	
	11H00-11H15	M. Medimagh	W. Malek	K. Hamrouni		12H00-12H15	M. Ben Mustapha	A. Jebnouni	
	11H15-11H30	T. Brahim	Z. Mighri	S. Toumi		12H15-12H30	I. Chihi	N. Zalfani	
	11H30-11H45	O. Noureddine	W. Sghaier	F. Dhaouadi	12H30-14H00	SESSION POSTERS II			
	11H45-12H00	M. Tlili	F. Yahia	R. Chhoud	14H00-15H30	SRSN1 - SRSN17 + MEC1 - MEC7 + MOE1 - MOE4			
12H00-14H00					15H30-16H00	PAUSE-CAFÉ			
14H00-15H00	Conférence 1: Pr. Mohamed Mehdi CHEHIMI (Amphi 01)					SESSION POSTERS I			
15H00 - 16H30	SESSION POSTERS I MCT1 - MCT8 + EME1 - EME08					Clôture et remise des prix			

- MCT : Modélisation et Calcul Théorique
- MEC : Matériaux : Élaboration et Caractérisations
- SRSN : Synthèse, Réactivité et Substances Naturelles
- EME : Électronique et Microélectronique
- MOE : Matériaux Organiques et Environnement

Conférences plénieres (Amphi 01)		
Lundi 20/12/2021 (14H00-15H00)	C01 : Pr. Mohamed Mehdi CHEHIMI	Spectroscopie de photoélectrons X (XPS) : Principes de base et quelques applications
Mardi 21/12/2021 (09H00-10H00)	C02 : Pr. Christophe RAMSEYER	La simulation numérique au service de la santé
Mardi 21/12/2021 (10H00-11H00)	C03 : Pr. Kamel BESSBES	Accès aux technologies spatiales à travers les nano-satellites

SESSION ORAL I: Lundi 20/12/2021 (10H30-12H00)

Thématique	Modélisation et Calcul Théorique - MCT (Amphi 01)		
Code	Nom	Prénom	Titre de la Communication
0-MCT1	SAGAAMA	Abir	Molecular structure, electronic and docking studies of carboxylic acids based on 1-benzofuran
0-MCT2	SBOUI	Insaf	Vibrational description of the LiAr molecule in its $X^2\sigma^+$ and $A^2\Pi$ electronic states in the framework of an algebraic model
0-MCT3	MEDIMAGH	Mouna	Experimental and DFT calculations for 2-(3,4-dihydroxyphenyl) ethanaminium nitrate: molecular structure, non-covalent interactions, chemical reactivity and biological activity analysis
0-MCT4	BRAHIM	Tesnim	Numerical modeling of intersubband optical properties in ZnSe/ZnS core-shell quantum dot
0-MCT5	NOUREDDINE	Olfa	A computational, structural and electronic investigation with molecular docking studies on 4-phenylpiperazine-1-ium dihydrogen phosphate
0-MCT6	TLILI	Mouadh	Intermolecular interactions in an equimolar methanol-water mixture as studied by neutron scattering and DFT calculations

Thématique	Matériaux: Élaboration et Caractérisations - MEC (Amphi 02)		
Code	Nom	Prénom	Titre de la Communication
0-MEC1	NACEUR	Syrine	Nitridation of InAs/GaAs self-assembled quantum dots: experimental study
0-MEC2	DALDOUL	Imen	Simulation of in situ time-reflectance during high temperature growth of GaN by MOVPE on GaAs (110) substrate
0-MEC3	MALEK	Wafa	Thermal decomposition effects on GaN films
0-MEC4	MIGHRI	Zaineb	Sol-gel method synthesis and characterization of new chromium phosphate belonging to α -crpo4 type structure
0-MEC5	SGHAIER	Wouroud	Étude de cycle d'adsorption : conception des différents cycles, modélisation, calcul de rendement énergétique et interprétation par la physique statistique
0-MEC6	YAHIA	Faiza	Growth of a-plane GaN epi-layers on r-plane sapphire substrates with optimization of high growth temperature

Thématique	Synthèse, Réactivité et Substances Naturelles - SRSN (Amphi 03)		
Code	Nom	Prénom	Titre de la Communication
0-SRSN1	HRICHI	Soukaina	Identification et quantification de triacylglycérols d'extraits de noyaux de la plante Prunus armeniaca L de TUNISIE par HPLC-APCI/MS.
0-SRSN2	NECIBI	Feriel	Electrophilicité ambidente des 4-nitrobenzochalcogenadiazoles : étude cinétique et corrélations structure-reactivité
0-SRSN3	HAMROUNI	Khaoula	Synthesis, structural characterization and photophysical properties of 14-acétoxymethyl-7-cyano-thiahexahelicene
0-SRSN4	TOUMI	Safa	Effect of gamma irradiation on thermoluminescence characteristics of Cu ⁺ -Na ⁺ ion-exchanged silicate glasses
0-SRSN5	DHAOUADI	Fatma	Interpretation of adsorption isotherms of Zn ²⁺ , Ni ²⁺ , Cd ²⁺ and Cu ²⁺ ions on carbon-based adsorbents via physical modeling
0-SRSN6	CHIHI	Imen	Structural and dielectric study of Mg-Ag spinel ferrites

SESSION ORAL II: Mardi 21/12/2021 (11H00-12H30)

Thématique	Synthèse, Réactivité et Substances Naturelles - SRSN (Amphi 01)		
Code	Nom	Prénom	Titre de la Communication
0-SRSN7	JERIBI	Malek	Synthèse, détermination structurale et étude des propriétés d'un nouveau Polyoxomolybdate hybride
0-SRSN8	MESSAI	Boutheina	Concentration et répartition du Cadmium dans le gisement des phosphates (Bassin Gafsa) et Essais de décadmiation
0-SRSN9	AYEB	Aicha	Variation of Sorption potential with the nature of the organophosphorus insecticide dimethoate in Tunisian agricultural soils
0-SRSN10	ZGOLLI	Amira	Preparation and characterization of activated carbon from food waste by chemical activation H ₃ P ₀ 4
0-SRSN11	BEN MUSTAPHA	Mayssa	Fractionnement et Efficacité insecticide de l'huile essentielle de la plante Criste marine contre un ravageur des denrées alimentaires stockées : <i>Tribolium castaneum</i>
0-SRSN12	CHHOUD	Rihab	Extraction, physicochemical characterization and evaluation of anti-herpetic activity of polysaccharides from <i>Ficus carica</i> L.

Thématique	Matériaux: Élaboration et Caractérisations - MEC + Électronique et Microélectronique - EME (Amphi 02)		
Code	Nom	Prénom	Titre de la Communication
O-MEC7	BEN ARBIA	Marwa	Investigation of In-rich InGaAs by structural, morphological, and optical techniques
O-MEC8	GAABEL	Fatma	Conduction mechanisms study in CaCu _{2.8} Ni _{0.2} Ti ₄ O ₁₂ ceramics sintered at different temperatures
O-MEC9	SOUAWDA	Nada	Effect of thickness on the Structural and optical properties of cubic GaN on GaAs (114) substrate by metalorganic vapor phase epitaxy
O-MEC10	HASSAYOUN	Oumayma	The effect of Ni doping on the dielectric properties of La _{0.8} Na _{0.2} MnO ₃
O-EME1	JEBNOUNI	Abdelwaheb	Conception et implémentation d'un système d'apprentissage profond pour la détection des anomalies dans les images médicales
O-EME2	ZALFANI	Nozha	Miniaturized Antenna design for UHF Small Satellite Communication

SESSION POSTERS I: Lundi 20/12/2021 (15H00-16H30)

Thématique	Modélisation et Calcul Théorique - MCT		
Code	Nom	Prénom	Titre de la Communication
P-MCT1	BEN DHIA	Zohra	Thermodynamic study of the phase equilibria in the Ga-Sb-Bi compounds
P-MCT2	MAOUI	Jawaher	Enhanced mid-infrared emission by energy transfer in Er ³⁺ /Yb ³⁺ and Nd ³⁺ /Pr ³⁺ co-doped zinc tellurite glass
P-MCT3	CHEBIL	Samaher	Experimental and theoretical investigation of new anthracene grafted oligophenylene for optoelectronic applications
P-MCT4	SMATI	Houda	Modeling by statistical physics and interpretation of the adsorption of odorants thiols on the OR2M3 human olfactory receptor
P-MCT5	MAHMOUDI	Chaima	Isomers in organic semiconducting dumbbell-shaped molecules for cell solar application: A computational and experimental investigation
P-MCT6	KOUIRA	Oumaima	Modeling and interpretation based on statistical physics treatment of adsorption of gram-negative bacteria onto nanostructured silicon carbide
P-MCT7	SAID	Imen	Electronic properties of Zr ₆ S and Zr ₆ Se mono and bi-layers using ab-initio calculations
P-MCT8	CHERNI	Ayoub	Effect of dielectric matrix and optical intensity on linear and third-order nonlinear optical properties of CdS/ZnSe core/shell QD-Matrix

Thématique	Électronique et Microélectronique - EME		
Code	Nom	Prénom	Titre de la Communication
P-EME1	AJMI	Nader	A Virtual Sensor Network Architecture Based on Cloud Computing for Wireless Sensor Network
P-EME2	CHEBBAH	Amani	Contribution aux applications de traitement des images hyper spectrales spatiales
P-EME3	LATAOUI	Jihene	Crosstalk analysis in homogeneous Raised-cosine multi-core 6-mode fiber
P-EME4	BACHA	Sawssen	Contribution à la reconnaissance de forme d'images par les méthodes à noyaux
P-EME5	AYACHI	Riad	Traffic signs recognition for advanced driving assisting system using deep learning
P-EME6	MHAOUCH	Ayoub	Area Efficient Implementation for LED Lightweight Block Cipher on FPGA
P-EME7	ZAIBI	Ameur	Object classification model for autonomous vehicles using Machine Learning and Deep Learning
P-EME8	BOUAAFIA	Soulef	A Convolutional Neural Network Approach for Reducing HEVC Complexity

SESSION POSTERS II: Mardi 21/12/2021 (14H00-15H30)

Thématique	Synthèse, Réactivité et Substances Naturelles - SRSN		
Code	Nom	Prénom	Titre de la Communication
P-SRSN1	AMAMOU	Ons	Synthèse des nouveaux complexes à base des tétrazine
P-SRSN2	BOUICHA	Mohamed Achraf	Synthesis and characterization of new copper metalloporphyrin's complexes. Application as catalysts in the degradation and reduction of certain chemical pollutants
P-SRSN3	ZIDANI	Jacem	Rare Earths Effect on Structural, Electrical and Optical Properties of Na _{0.4} K _{0.1} Bi _{0.5} Ti _{0.3} ceramics
P-SRSN4	MOKNI	Ines	Synthesis and characterization of a novel alkali mixed magnesium-aluminum phosphate with a layered structure-KMgAl(Po ₄) ₂
P-SRSN5	TRIMECH	Rihab	Solid state synthesis and characterization of the Na ₂ Co ₂ Cr _{0.75} Al _{0.25} (Po ₄) ₃ phosphate materials
P-SRSN6	CHAABANI	Amal	Voltammetric Determination of Sulfamethoxazole at a Glassy Carbon Electrode Modified With a Multi-Walled Carbon Nanotubes
P-SRSN7	JABLI	Souhir	Synthesis and spectroscopic characterization of (oxo)(octaethylporphyrinato) vanadium(iv) complex and (oxo)(octachlorotetraphenylporphyrinato) vanadium(iv)
P-SRSN8	HAJJI	Ibtissem	Synthesis and photophysical properties of new heptacyclic helicene

P-SRSN9	MAJDOUB	Siwar	Effect of Pressure Variation on the Composition Profiles from Wild Carrot (<i>Daucus carota susbp. maritimus</i>) Extracts using Supercritical Carbon Dioxide
P-SRSN10	DEBBABI	Haifa	Chemical composition, antibacterial and antifungal activities of <i>Plantago afra</i> L. essential oil
P-SRSN11	GUERGUEB	Mouhieddinne	Zinc(II) triazole meso-arylsubstituted porphyrins for uv-visible chloride and bromide sensing
P-SRSN12	ZARROUG	Rim	Synthesis, characterization and X-Ray structure of a new decavanadate (C ₇ H ₁₁ N ₂) ₄ [H ₂ V10028]
P-SRSN13	TOUMI	Amani	Synthesis, antidiabetic activity and molecular docking study of rhodanine-substituted spirooxindole pyrrolidine derivatives as novel α-amylase inhibitors
P-SRSN14	GHABI	Amira	Quantification et insertion du 2-x-3,5-dinitrothiophene dans l'échelle universelle de mayr
P-SRSN15	BEN LATIFA	Sirine	Anti-scaling magnetic processes in natural waters
P-SRSN16	MABROUK	Chama	Electrochemical study of modified glassy carbon electrode by nickel nanoparticle and poly-2-nitroaniline for dopamine detection
P-SRSN17	MKACHER	Hayfa	Preparation, spectroscopic characterization and molecular structure of a manganese (III) porphyrin complex
P-SRSN18	BOUYAHYA	Chaima	Degradability of novel biobased (co)polyesters under different environmental conditions

Thématique	Matériaux: Élaboration et Caractérisations - MEC		
Code	Nom	Prénom	Titre de la Communication
P-MEC1	ABIEDH	Khouloud	The effect of defect induced_ localized centers on the luminescence mechanism in CsPbBr ₃ perovskite film investigated by steady state and time resolved photoluminescence spectroscopies
P-MEC2	OUNI	Sabri	Colloidal development and photocatalytic application of Mn doped ZnS nanocrystals
P-MEC3	SELMI	Olfia	The effect of copper doping on the optical and electrical properties of nickel oxide thin films deposited by spin coating technique
P-MEC4	BEN ABDELWAHED	Amira	Effects of Thermal Annealing on the Optical Properties of GaAsBi/GaAs quantum dots
P-MEC5	AISSA	Mohamed	The effects of Nd and Er elements on structural, electrical and optical properties of 0.975KNN-0.025NBT ceramics
P-MEC6	RHIMI	Najah	Microstructural, structural and dielectric analysis of Na _{0.5} Bi _{0.5} TiO ₃ perovskite ceramic

Matériaux Organiques et Environnement - MOE				
Thématique	Code	Nom	Prénom	Titre de la Communication
P-MOE1	JEDIDI	Asma		Numerical modeling of dye transport in unsaturated layered soil
P-MOE2	DARDOURI	Nour Elhouda		Synthesis, spectroscopic and structural characterization of a new Cadmium(II) porphyrin complex
P-MOE3	HFAIED	Amira		New organic materials with a conjugated p-electron
P-MOE4	DHIFAOUI	Hassen		Electro-optical properties enhancement in MEH-PPV by incorporation of DABMN small organic molecules