

**Day 2: November 13, 2019**

14:00 - 15:00

Poster Session III (Salle - RDC)

TOPIC 1

Nanomaterials, Nanotechnology and Emerging Smart Materials



INTERNATIONAL SYMPOSIUMS SUSTAINABLE DEVELOPMENT, ISMSD2019/ Boumerdes- Algeria, 12 -14 November 2019

Chairman: .....

N° :	Ref. ID	Author	TITLE	Affiliation
1.	283404	Hind Chérifa Aroussi	First principle calculations of ternary alloy In <sub>0.25</sub> Ga <sub>0.75</sub> N	Univ Oran (ALG)
2.	283526	Matouk Hakima	THE INFLUENCE OF SCALE EFFECT ON THE VIBRATION BEHAVIOR OF CERAMIC BASED NANO-BEAMS	Univ Sidi Bel Abbes (ALG)
3.	283547	Daoudi Nourelhouda	ANALYSE EXPÉRIMENTALE ET SIMULATION NUMÉRIQUE DU COMPORTEMENT DYNAMIQUE DES POUTRES SANDWICHES EN NID D'ABEILLE	Univ Annaba (ALG)
4.	283681	Triaki Mounia	IMPROVEMENT OF THE THERMAL PROPERTIES OF POLYPROPYLENE NANOCOMPOSITES BY THE VALORIZATION OF A LOCAL NANOCCLAY	Univ Boumerdes (ALG),
5.	283694	Boukezzata Assia	Réalisation et caractérisation d'un capteur CO <sub>2</sub> à base de nanofils de SiC amorphe	CRTSE (ALG)
6.	283717	Dadou Abdenour	DETERMINATION PAR NANOINDENTATION DES CARACTERISTIQUES MECANIKES DE L'ACIER 100CR6 TRAITÉ THERMIQUEMENT À 780°C	Univ Boumerdes (ALG),
7.	283756	Mokrani Saida	ORIENTATION EFFECTS ON TRIPLY AND DOUBLY DIFFERENTIAL CROSS SECTIONS OF HYDROGEN CHLORIDE MOLECULE DOUBLE IONIZATION	Univ Tizi-Ouzou, Algeria
8.	283824	Sid Asma Nour El Houda	RHEOLOGICAL STUDY OF TERNARY NANOCOMPOSITES POLYPROPYLENE/POLYAMIDE66/NANOCCLAY MODIFIED BY LAYERED SILICATE NANOCCLAY	Univ Boumerdes (ALG),
9.	283885	Messaid Bachir Eddine	OPTIMIZATION OF CISE ABSORBENT LAYER BY SPRAY PYROLYSIS ONTO THE GLASS SUBSTRATE USING DIFFERENT SUBSTRATES TEMPERATURES	Univ Boumerdes (ALG),
10.	283919	Benchikh Lilia	EXTRACTION AND CHARACTERIZATION OF CELLULOSE NANOCRYSTALS (CNC) FROM "EL DISS": A NOVEL BLEACHING METHOD	Univ Setif , Algeria
11.	284061	Boudoukhani Meriem	FORMULATION, PHYSICO-CHEMICAL AND RHEOLOGICAL CHARACTERISTICS OF MULTIPLE EMULSIONS STABILIZED BY NATURAL POLYMERS FOR MEDICAL APPLICATIONS	Univ Medea, (ALG)
12.	284121	Assia Benouattas	SPECTROSCOPY AND CRYSTALLINE STRUCTURE OF DIBROMODURENE	Warda BRIHI (ALG)
13.	284151	Baziz Meriem	INTERPENETRATING NETWORK BEADS BASED ON ALGINATE AND NA-SEPIOLITE: REACTION PARAMETERS AND SWELLING CHARACTERISTICS	Univ Oran, (ALG)
14.	284226	Nihad Douas	SYNTHESIZE AND STUDY OF STRUCTURAL, OPTICAL AND MAGNETIC PROPERTIES OF Co <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> NANOCOMPOSITE	Univ Constantine (ALG)
15.	284244	Djoui Siham	Growth study of silicon nanowires by chemical method using metal catalyst	Univ Oran (ALG)
16.	284310	Meziane Lila	EFFECT OF AG ON TI OXIDE LAYER FORMED AT DIFFERENT TEMPERATURES FOR PHOTOCATALYTIC PROPERTIES	ENP (ALG)
17.	284329	Saadi Billal	SYNTHESIS AND CHARACTERIZATION OF CdS-CdO NANOCOMPOSITE THIN FILMS	Univ Sidi Bel-Abbes, Algeria
18.	284411	Soulimane Ritha	STUDY OF SUPPORTED GOLD NANOPARTICLES NEW CATALYSTS FOR THE SELECTIVE OXIDATION OF ORGANIC MOLECULES	Univ Tlemcen (ALG)

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TOPIC 2

Cementitious materials and Materials Properties



INTERNATIONAL SYMPOSIUMSUSTAINABLE DEVELOPMENT, ISMSD2019/ Boumerdes- Algeria, 12-14 November 2019

Chairman: .....

N° :	Ref. ID	Author	TITLE	Affiliation
1.	283099	Brahmi-Dahmani Abla	CARACTERISATION DE LA CALCARENITE DES THERMES DE L'OUEST DE CHERCHEL	Univ Boumerdes, (ALG)
2.	283169	Latef Mohamed	NON-DESTRUCTIVE CONTROL OF HIGH DENSITY POLYETHYLENE (HDPE) PLATES WELDED BY FRICTION STIR WELDING (FSW)	Univ Chlef, (ALG)
3.	283178	Denbri Fatih	CRYSTAL STRUCTURE AND MAGNETO-ELECTRICAL STUDIES OF La <sub>1.4</sub> Pr <sub>0.2</sub> Ca <sub>1.2</sub> Ba <sub>0.2</sub> Mn <sub>2</sub> O <sub>7</sub> RUDDLESDEN-POPPE MANGANITE	Univ Jijel, (ALG)
4.	283200	Boufligha Sadek	SYNTHESIS AND CHARACTERIZATION OF STRUCTURE AND MAGNETO-TRANSPORT PROPERTIES OF La <sub>0.7</sub> Ca <sub>0.18</sub> Ba <sub>0.12</sub> Mn <sub>0.95</sub> Sn <sub>0.05</sub> O <sub>3</sub> COMPOUND	Univ Jijel, (ALG)
5.	283214	Kabache Faycal	Effect of Wood Flour and Surface Treatment on Impact Strength and Roughness of Composite	LPCHP (ALG)
6.	283261	Hammoutene Baya	ETUDE ET CARACTERISATION DU BINAIRE TeO <sub>2</sub> -Bi <sub>2</sub> O <sub>3</sub>	Univ Tizi ousou (ALG)
7.	283333	Debili Souha	THE EFFECT OF STRETCHING TEMPERATURE AND MACROSCOPIC POLARIZATION ON STRUCTURE AND MICROSTRUCTURE IN THE POLY (VINYLIDENE FLUORIDE) (PVDF)	Univ Annaba, (ALG)
8.	283350	Zarga Djaloul	SIMULATION DE L'INFLUENCE DE L'ADHERENCE FIBRE-MATRICE DE BETON SUR LE COMPORTEMENT EN CISAILEMENT DES POUTRES	Univ Sidi-Bel-Abbes, (ALG)
9.	283353	Ait Merzeg Farid	ETUDE COMPARATIVE DE TROIS GISEMENTS DU MINERAI DE PLOMB/ZINC : GISEMENT CHAABET EL-HAMRA, GISEMENT D'EL-ABED ET GISEMENT D'AMIZOUR	CRSTAPC (ALG)
10.	283359	Lakhdar Abadlia	Study by resistivity measurement and thermoelectric power of phase transitions of materials as a function of temperature and time	Univ Boumerdes, (ALG)
11.	283367	Mourad Belaidi	ETUDE COMARATIVE DE L'EFFET DES AJOUTS DE CIMENT NATUREL ET METAKAOLIN SUR LES CARACTERISTIQUES DES MORTIER DE CHAUX	Univ Boumerdes, (ALG)
12.	283607	Belkhir Zohra	INFLUENCE DES DIMENSIONS DES FIBRES NATURELLES SUR LES CARACTÉRISTIQUES MÉCANIQUES DES COMPOSITES A MATRICE ARGILEUS	Univ Tebessa (ALG)
13.	283625	Sadoun Oualid	THE BOND PERFORMANCE OF NEAR-SURFACE-MOUNTED (NSM) REINFORCEMENT	Univ Setif, (ALG)
14.	283659	Sahraoui Mohamed	Étude de l'influence de différents types de sable sur les propriétés rhéologiques des BAP	SREML (ALG)
15.	283724	Fentazi Sekoura	EFFET DE L'ADDITION DU MAGNÉSIUM ET DU VIEILLISSEMENT NATUREL SUR LES PROPRIÉTÉS MICROSTRUCTURALES DES ALLIAGES B206	Univ Tizi ousou (ALG)
16.	283734	Ahmed Gueddouh	AB-INITIO CALCULATIONS OF THE TENSILE STRENGTH OF TITANIUM MONO-BORIDE TiB	Univ Laghouat, (ALG)
17.	283831	Fatima Chaoui	SYNTHESIS AND CHARACTERISATION OF COMPOSITE MATERIALS BASED ON SMICTITE AND NICKEL	USTOMB Oran, (ALG)
18.	283832	Moussa Deghfel	Statistical models to predict the mechanical behavior of roller compacted concrete pavement (RCCP) under hot climate	Univ M'sila, (ALG)
19.	283847	Boukhemis Ouafa	NEODYMIUM COORDINATION POLYMER WITH 1-H-BENZIMIDAZOLE-5-CARBOXYLIC ACID	CRB-Constantine, (ALG)

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TOPIC 3

Renewable energy, development sustainable, Recycl. and Env.



INTERNATIONAL SYMPOSIUMS SUSTAINABLE DEVELOPMENT, ISMSD2019/ Boumerdes- Algeria, 12-14 November 2019

Chairman: .....

N° : Ref. ID	Author	TITLE	Affiliation
1. 283033	Ghlamellah Souad	DURABILITE DU PATRIMOINE ARCHITECTURAL SAHARIENNE EN TERRE "CAS DE LA CASBAH DE TAYLOUT- KSAR TAMENTIT A ADRAR "	Univ Boumerdes (ALG)
2. 283044	Rebas Ouardia	FOR A VOLUNTARIST POLITICS OF SOLAR AND WIND DEVELOPMENT	PNS (ALG)
3. 283065	Fahima Salaa	CHARACTERIZATION AND APPLICATION OF HALLOYSITE MODIFIED WITH CATIONIC SURFACTANT IN THE REMOVAL OF 2,4,6-TRICHLOROPHENOL : ADSORPTION, DESORPTION, AND REGENERATION STUDIES.	Univ Mostagnem, (ALG)
4. 283071	Demdoun Abdellah	Influence of leachate pollution on hydromechanical properties of sandy soils-bentonite mixture	Amar Telidji University, (ALG)
5. 283084	Aissam Boukraa	Valorization of sawdust by chemical activation	University Biskra (ALG)
6. 283131	Laiadi Widad	EFFECT OF PROTON IRRADIATION FLUENCE ON THE PERFORMANCE OF THE Al <sub>x</sub> Ga <sub>1-x</sub> As/GaAs p+n+n+ SOLAR CELL	University Biskra (ALG)
7. 283147	Meziane Fares	IDENTIFICATION OF WINDY SITES OVER THE REGION OF HASSI R'MEL ALGERIA	Univ Boumerdes (ALG)
8. 283149	Ilyes Nouicer	EFFECTS OF SO <sub>2</sub> DEPOLARIZED ELECTROLYSER OPERATING PARAMETERS ON SIZING SYSTEM FOR HYDROGEN PRODUCTION	CDER (ALG)
9. 283167	Benaradj Abdelkrim	SUSTAINABLE MANAGEMENT OF RENEWABLE ENERGY POTENTIAL IN THE NAËMA REGION	Univ Cen r of Naama, (ALG)
10. 283209	Benamar Benabela	Modélisation d'une électrode en soufre, composite (soufre/carbone), pour l'adsorption chimique de plomb cationique	Univ Mascara (ALG)
11. 283248	Ouldkhaoua Younes	Using CRT glass as fine aggregates to improve the durability of Self- compacting mortar prepared with metakaolin powder	Univ laghouat, (ALG)
12. 283330	Hadidi Noureddine	EFFECT OF THE THICKNESS OF POROUS MEDIUM ON HEAT AND MASS TRANSFER NATURAL CONVECTION IN HORIZONTAL PARTIALLY POROUS ENCLOSURE	Univ Medea, (ALG)
13. 283338	Haddad Habiba	HYDROCHEMICAL CHARACTERISTICS OF THE WATERS OF THE WATERSHED OF TIZIOUZOU	USTHB, (ALG)
14. 283383	Ibrir Abdellah	PREDICTION OF URBAN AIR QUALITY (VOCs) USING ANSYS SIMULATION METHOD	Univ Medea, (ALG)
15. 283388	Nabila Benyekkou	VALORISATION D'UN DECHET AGROALIMENTAIRE POUR L'ELIMINATION DU COLORANT AG25	Univ , Mostaganem, (ALG)
16. 283497	Banoune Brahim	VALORISATION DES SEDIMENTS DE DRAGAGE EN TECHNIQUE ROUTIERE, CAS DU BARRAGE DE KHERRATA A BEJAIA AU NORD D'ALGERIE	Univ Bejaia (ALG)
17. 283520	Nabila Berkane	ETUDE DE LA BIOSORPTION DU ROUGE CONGO SUR LA POUDRE DES FEUILLES DE PALMIER	Univ Tizi-Ouzou (ALG)
18. 283767	Hachemaoui Mohammed	MESOPOROUS SILICA SUPPORTED AMINE AND AMINE-COPPER COMPLEX FOR CO <sub>2</sub> ADSORPTION: DETAILED REACTION MECHANISM OF HYDROPHILIC CHARACTER AND CO <sub>2</sub> RETENTION	Univ Oran (ALG)
19. 283802	Ikerroud Dalila	TiO <sub>2</sub> AND ZnO PHOTOCATALYSIS OF Cr(VI) FROM PHOTOVOLTAIC WASTEWATER	CRTSE (ALG)

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TOPIC 4

Materials Manufacturing and Processing



INTERNATIONAL SYMPOSIUMSUSTAINABLE DEVELOPMENT, ISMSD2019/ Boumerdes- Algeria, 12-14 November 2019

Chairman: .....

N°	Ref.ID	Author	TITLE	Affiliation
1.	284536	Noura Hamour	ELABORATION ET CARACTERISATION D'UN BLENDE A BASE DE PHBV/PP	Univ Bejaia, (ALG)
2.	284586	Aidi Amel	ELABORATION ET CARACTERISATION D'UN MATERIAU POREUX ACTIVE PAR L'ACIDE DE CITRON POUR L'ELIMINATION DE LA MATIERE ORGANIQUE DES SOLS.	Univ Biskra (ALG)
3.	284635	Youcef Kamal	IMPROVEMENT OF THE ARCHITECTURAL FRAMEWORK OF THE CITY BY TRANSFORMATION OF BUILDINGS TO ECO-ENERGY BUILDINGS (CITY OF BATNA)	Univ Biskra (ALG)
4.	284650	Lounici Yacine	ROBUST FAULT DIAGNOSIS USING UNCERTAIN HYBRID BOND GRAPH MODEL: APPLICATION TO CONTROLLED HYBRID THERMO-FLUID PROCESS	Univ ,Boumerdes (ALG)
5.	284663	Toubal Sara	Synthèse et caractérisation de résine Phénolique - formaldéhyde	Univ ,Boumerdes (ALG)
6.	284670	Zaidi Ali	Choice of cutting parameters for machining composite materials used in fishing boats	Univ Tizi-Ouzou, (ALG)
7.	284675	Hamadache Hassiba	AMELIORATION DES PROPRIETES IGNIFUGEANTES DES MELANGES PP/EVAr	Univ Bejaia, (ALG)
8.	285075	Idir Amar	PREPARATION ET CARACTERISATION DE L'OXYDE DE GRAPHENE EN VUE DE SON UTILISATION DANS LE TRAITEMENT DU LIXIVIAT	Univ ,Boumerdes (ALG)
9.	285158	Rachid Bouriche	EFFECT OF THE ACTIVATING AGENT ON THE DEPOSITION OF TITANIUM OXIDE IN ACTIVATED CARBON	ENP, (ALG)
10.	285200	Djelel Kherifi	THE EFFECT OF ADDITIONS (KAOLIN DD3 + ALUMINA) ON THE SINTERING OF NATURAL FLUOROAPATITE.	Univ M'sila (ALG)
11.	285402	Loubna Nouri	PREPARATION AND CHARACTERIZATION OF PHOTOCOMPOSITE BEADS (CALCIUM ALGINATE/ TITANIUM (IV) OXIDE): APPLICATION IN THE ADSORPTION/PHOTOCATALYTIC	USTHB (ALG)
12.	285567	Ammari Mohammed Seghir	EFFECT OF TREATMENT OF THE BARLEY STRAWS ON DESICCATION SHRINKAGE AND THERMAL PROPERTIES OF LIGHTWEIGHT SAND CONCRETE	Univ Laghouat, (ALG)
13.	285621	Bouguettaf Soufyane	STUDY OF THE INFLUENCE OF Al AND Si ON THE HARDNESS AND THE MICROSTRUCTURE OF A HEAT RESISTANT STAINLESS STEEL	Univ ,Boumerdes (ALG)
14.	285704	Hamadache Hassiba	AMELIORATION DES PROPRIETES A L'INTRFACE DES MELANGES PP/EVAr EN PRESENCE DE PE-g-MA	Univ Bejaia, (ALG)
15.	285733	Hadjeb Rihana	STUDY OF THE INHIBITING POWER OF N- (2-HYDROXYBENZYLIDENE) ANILINE DIFFERENTLY ON THE CORROSION OF A STEEL	Univ Blida (ALG)
16.	285772	Rezrazi Ahmed	ANFIS, SVM AND ANN SOFT-COMPUTING TECHNIQUES TO ESTIMATE GLOBAL SOLAR RADIATION IN ALGERIA	Univ Medea, (ALG)
17.	285787	Boualem Asmaa	PREPARATION OF SILICA POWDER FROM ALGERIAN SILICEOUS SAND FOR SOLAR GRAD SILICON FABRICATION	Univ Oran, (ALG)
18.	285818	Chadia Ihamouchen	EVALUATION OF MICROSTRUCTURE AND PROPERTIES DETERIORATION IN VEGETAL FIBER REINFORCED THERMOPLASTICS SUBJECTED TO HYDROTHERMAL AGING	Univ Bejaia, (ALG)
19.	285844	Kari Djamel Eddine	STATISTICAL ANALYSIS USING WEIBULL METHOD OF JUTE YARNS LOADED UNDER TENSILE TESTS	Univ Boumerdes (ALG)
20.	285899	Ouahiba Bouriche	THE INFLUENCE OF TITANIUM DIOXIDE IN THE PVK MATRIX ON ANTI-BACTERIAL PROPERTIES, ELECTRICAL RESISTANCE AND RESISTANCE TO UV RADIATION	CRTSPA Tipaza (ALG)
21.	286043	Azzegagh Assia	VALORISATION DES GRAINES DE CAROUBE PAR PRODUCTION DE LA GOMME DE CAROUBE	Univ Bejaia (Algeria)