

THURSDAY, DECEMBER 10, 2020 Morning

9:00-9:30

OPENING WORD OF CI3E

Pr. M. STITOU: Interim President of Abdelmalek ESSAADI University

Pr. M. BELLAIHOU: Director of the National School of Applied Sciences – AL HOCEIMA

Pr. K. HABOUBI: Chairman of CI3E and Director of the Association for Scientific Research and Sustainable Development

Pr. B. HAMMOUTI: Chairman of CI3E and President of the Moroccan Center for Development and Science

Pr. F. EL HAJJAJI: Co-Chairman of CI3E and President of the Association of Women for Scientific Research and Sustainable Development

9:30-11:00

Thematic conference 1: Pr. A. ENNAOUI

Moderator: Pr. B. HAMMOUTI

PHOTOELECTROCHEMICAL SOLAR FUELS TECHNOLOGY AND POWER TO X

11:00-12:30

Thematic conference 2: Pr. Z. IRZI

Moderator: Pr. M. TALEB

INTÉRÊT DE LA CONNAISSANCE MORPHODYNAMIQUE SPATIO-TEMPORELLE DU LITTORAL POUR UNE MEILLEURE CONCILIATION ENTRE LA PRÉSERVATION DU MILIEU NATUREL ET LE DÉVELOPPEMENT ÉCONOMIQUE

THURSDAY, DECEMBER 10, 2020 Afternoon

15:00-16:30

Thematic conference 3: Dr. N. MEJJAD

Moderator: Pr. M. ABDEL-DAIM

COVID-19 PANDEMIC CONSEQUENCES ON COASTAL WATER QUALITY USING WST SENTINEL-3 DATA: CASE OF TANGIER, MOROCCO

16:30-18 :00

Oral presentation session (I)

	ID	Session : QMWP (Room 1)	Chairmen: Pr. I.HANAFI and Pr. L. BALLI
16h30 - 18h00	ID : 103	POTENTIAL USE OF MOROCCAN PLANT EXTRACTS IN WATER PURIFICATION: A MATTER OF EFFECTIVENESS AND SAFETY	H. DOUHRI, I. RAISSOUNI, D. BOUCHTA, F. CHAOUKAT, N. AMAJOU, M. HADRI, S. TAZI, J. ABRINI, B. DOUHRI.
	ID : 105	PRODUCTION OF DRINKING WATER THROUGH DOUBLE TREATMENT (CONVENTIONAL AND DEMINERALIZATION) OF AITMASSOUD DAM WATER AT THE KASBATADLA STATION (MOROCCO)	I. IMAME, E. ABBA, A. TARIK, A. EL YAACOUBI, S. CHERROUD.
	ID : 106	ASSESSMENT OF THE WATER QUALITY OF THE OUMERRABIA RIVER BY TWO INDEXES: MQI AND WQI (MICROBIOLOGICAL AND PHYSICOCHEMICAL APPROACHES)	E. EL HASSAN, Y. BENNANI, I. IDRISSE, T. AINANE, A. EL YAACOUBI, R.BEN KADDOUR.
	D : 118	BEHAVIOR OF MASONRY WALLS WITH RESPECT TO SEISMIC STRESS, ANALYSIS AND RECOMMENDATIONS	Z. RACHID, M. SERROUKH

ID : 113	<p>ASSESSING CORROSION INHIBITION CHARACTERISTICS OF BENZIMIDAZOLE DERIVATIVES ON MS IN 1.0M HCL: INSIGHTS FROM EXPERIMENTAL DFT AND MD SIMULATION</p> <p>E. ECH-CHIHBI, R. SALIM, F. BENHIBA, A. MOUSSAIF, F. EL HAJJAJI, Z. RAIS, MOHAMED. M. ABDEL-DAIM, M. TALEB</p>
ID : 114	<p>CORROSION INHIBITION PROCESS OF NEW IMIDAZOPYRIDINE DERIVATIVES FOR MILD STEEL IN 1M HCL ACID: EXPERIMENTAL, DFT & DYNAMICS MOLECULAR STUDIES</p> <p>R. SALIM, E. ECH-CHIHBI, F. BENHIBA, F. EL KALAI, F. EL-HAJJAJI, Z. RAIS, MOHAMED. M. ABDEL-DAIM, M. TALEB</p>
D : 124	<p>AN UPDATED QUALITATIVE EVALUATION OF GROUNDWATER RESOURCES AND ITS SUITABILITY FOR DRINKING OR IRRIGATION USE WITHIN GHISS-NEKOR AQUIFER SUBJECTED TO SEAWATER INTRUSION</p> <p>S. BOUHOUT, K. HABOUBI, M.S. ELYOUBI.</p>
ID : 126	<p>STUDY OF THE BACTERIOLOGICAL AND PHYSICO-CHEMICAL QUALITY OF THE RAW ERRONEOUS WASTE WATER OF THE STEP OF THE CITY OF ERRACHIDIA: POSSIBILITY OF REUSE IN IRRIGATION</p> <p>M.OUHAMM, M. MERZOUKI</p>
ID : 226	<p>MICROBIOLOGICAL AND PHYSICO-CHEMICAL QUALITY OF FES CITY'S SURFACE WATER</p> <p>D. ANSONG ODEI, M. ALLALI, L. BENNANI, A. EL OUALI LALAMI, M. CHERIGUI, A. EL OUALTI, M. TALEB, Z. RAIS, S. BERRADA</p>
ID : 227	<p>VALIDATION OF A PROTOCOL FOR ENVIRONMENT DISINFECTING OF A HOSPITAL DEPARTMENT: CASE OF THE HEMODIALYSIS CENTER</p> <p>M. JAOUHAR, T. G. BENJELLOUN, H.T. SQUALLI, L. BENNANI, A. BOULHANA, M. CHERIGUI, M. TALEB, Z. RAIS, S. BERRADA</p>
<p>Session : CC (Room 2) Chairmen: Pr. I. DRIOUCH and Pr. H. MOHAMED</p>	
ID : 152	<p>NEWIMIDAZOPYRIDINE DERIVATIVE AS A CORROSION INHIBITION OF MILD STEEL IN 1M HCL SOLUTION: EXPERIMENTAL AND COMPUTATIONAL (DFT AND MD SIMULATIONS) METHODS.</p> <p>A. SAADY, K. ISMAILYALAUI, H. RAHMANI, N. ARROUSSE, R. SALIM, F. ELHAJAJI, M. TALEB, Y. KANDRIRODI, A. ELBIACHE.</p>
ID 153	<p>EXPERIMENTAL AND THEORETICAL TOOLS FOR CORROSION INHIBITION STUDY FOR MILD STEEL IN HYDROCHLORIC ACID MEDIUM BY NEW ALDEHYDE DERIVATIVES.</p> <p>J. LAZRAK, EL. ELASSIRI, R. SALIM, E. ECH-CHIHBI, N. ARROUSSE, A. SAADY, F. EL-HAJJAJI, M. TALEB.</p>
ID : 160	<p>DEVELOPMENT OF NEW XANTHENES DERIVATIVES AS NOVEL CORROSION INHIBITOR FOR MILD STEEL IN HYDROCHLORIC ACID SOLUTION</p> <p>N. ARROUSSE, R. SALIM, EL. MABROUK, A. ABDELAOUI, F. EL HAJJAJI, I. B. OBOT, Z. RAIS, MOHAMED. M. ABDEL-DAIM, M. TALEB</p>
ID : 138	<p>CAESIUM-137 RE-SAMPLING APPROACH AND EXCESS LEAD-210 SEDIMENT DATING TO ASSESS THE IMPACTS OF CLIMATE CHANGE AND LAND USE ON SOIL EROSION AND SEDIMENTATION IN NORTHWEST MOROCCO</p> <p>M. MOUSTAKIM, M. BENMANSOUR, A. NOUIRA, A. BENKIDAD, B. DAMNATI</p>
ID : 143	<p>IMPACT OF COVID-19 ON CIVIL AVIATION CO2 EMISSIONS</p> <p>E.A. OBAR, A. TOUATI, S. TAYANE, N. RABBAH.</p>
ID : 155	<p>3D-QSAR AND MOLECULAR DOCKING FOR DISCOVERY NEW SERIES OF 5,5-DIPHENYLIMIDAZOLIDINE-2,4-DIONE DERIVATIVES AGAINST CANCER</p> <p>R. EL-MERNISSI, K. EL KHATABI, A. KHALDAN, M.A. AJANA, M. BOUACHRINE, T. LAKHLIFI.</p>
ID : 156	<p>FTIR AND RAMAN SPECTROSCOPY STUDY OF A SOOT DEPOSITS PRODUCED IN THE INFRARED MULTIPHOTON DISSOCIATION OF VINYL BROMIDE</p> <p>B. SAMOUDI, A. ASSELMAN</p>

ID : 158	A BRIEF REVIEW OF RECENT ADVANCE IN SURFACE-ENHANCED RAMAN SPECTROSCOPY TECHNIQUE FOR THE ULTRASENSITIVE DETECTION OF PESTICIDES O. DOUASS, B. SAMOUDI, A. ASSELMAN, S. SANCHEZ-CORTES	
FRIDAY, DECEMBER 11, 2020 Morning		
9:00-10 :30		Thematic conference 4: Pr. S. JODEH Moderator: Pr. F. EI HAJJAJI OSMOTIC WATER TREATMENT: CURRENT DEVELOPMENT, CHALLENGES AND FUTURE PROSPECTS
10h30 - 12h00		Oral presentation session (II)
	Session : SW (Room 1)	Chairmen: Pr. B. SAMOUDI and Pr. M. ALAOUI
ID : 119	MUNICIPAL WASTEWATER TREATMENT BY NATIVE MICROALGAE: COMPARISON OF INDOOR AND OUTDOOR CULTURES AND BIOMASS HARVESTING BY COAGULATION-FLOCCULATION R. EL AMRI, R. ELKACMI, A. HASIB O. BOUDOUCHE	
ID : 144	LEACHABILITY OF SEWAGE SLUDGE ASHES-MORTARS S. NAAMANE, Z. RAIS, M. TALEB	
ID : 149	ESTIMATED PRODUCTION OF BIOGAS FOR THE CONTROLLED LANDFILL IN FEZ (MOROCCO) BY THE LAND-GEM MODEL A. EL ABDOUNI, K. HABOUBI	
ID : 150	SLUDGE CHARACTERIZATION FROM THE BENIBOUAYACH DRINKING WATER TREATMENT PLANT (AL HOCEIMA-MOROCCO) N. BENSITE, A. EL ABDOUNI, K. HABOUBI	
ID : 129	Distribution of Heavy Metal Pollution in Surface Soil Samples in the region of Mohammadia Benslimane (Morocco) F. ZAAKOUR, M. KHOLAIIQ, A. KHOUCHLAA, A. RAHIMI, N. SABER	
ID : 135	FLOOD FREQUENCY ANALYSIS FOR THE FLOOD EVENT IN RIVER RHISS CATCHMENT -AL-HOCEIMA REGION, NORTH MOROCCO Z. AHMED, K. HABOUBI, L. BENAABDATE, S. BOUHOUT	
ID : 161	NEW APPROACH FOR FORECASTING AND EVALUATING OF AGRICULTURALWATER QUALITY A. EL BILALI, A. TALEB, N. MAZIGH	
ID : 162	PREVISION DES APPORTS FUTURS AU NIVEAU DU BASSIN DUBOUREGREG A TRAVERS UN MODELE PLUIE-DEBIT « GR2M » A. NAFII, A. TALEB, A. BILALI	
ID : 163	ETUDE DE L'EROSION HYDRIQUE ET DE LA RETENTION DES SEDIMENTS DANS LE BASSIN VERSANT D'OUED EL MALLEH DANS LA REGION CASABLANCA-SETTAT, BASEE SUR LES MODELES INVEST SDR ET ARCGIS N. MAZIGH, A. TALEB, A. EL BILALI, M. MOUKHLISS	
	Session : AAS (Room 2)	Chairmen: Pr. K. AISSAM and Pr. A. ZIAN
ID : 139	HEALTH RISK ASSESSMENT FOR URANIUM AND RADON IN GROUND WATER IN COASTAL ABDA REGION, MOROCCO B. SAMYH, A. NACHAB, A. NOURREDDINE, A. CHARIF	
ID : 147	WASTEWATER FROM OLIVE OIL INDUSTRY: FROM A TOXIC POLLUTANT TO A HIGH-QUALITY ADSORBENT I. Mechnou, M.Hlaibi	

ID : 154	EVALUATION OF THE WATER QUALITY OF THE OUMERRABIA RIVER BY TWO INDEXES: MQI AND WQI (MICROBIOLOGICAL AND PHYSICOCHEMICAL APPROACHES) E. ABBA, Y. BENNANI, I. IDRISSE, T. AINANE, A. EL YAACOUBI, S. CHERROUD, A. AINANE, R. BEN KADDOUR
ID : 157	SYNTHESIS AND CHARACTERIZATION OF TiO₂ NANOTUBE AND ITS APPLICATION IN PHOTOCATALYTIC DEGRADATION OF PHARMACEUTICALS POLLUTANTS O. ZAKIR, R. IDOUHLI, M. ELYAAGOUBI, M. KHADIRI, A. AITYOUB, S. RAFQAH, A. ABOUELFIDA, A. OUTZOURHIT
ID : 159	OLIVE CORE AS BIO-ADSORBANT TO REMOVE TWO SYNTHETICS DYES FROM AQUEOUS SOLUTION. A. EL IMACHE, M. BOUDKHIL, F. EL MAKHOUKHI, K. OUAZZANI
ID : 129	DISTRIBUTION OF HEAVY METAL POLLUTION IN SURFACE SOIL SAMPLES IN THE REGION OF MOHAMMADIA BENSLIMANE (MOROCCO) F. ZAAKOUR, M. KHOLAIQ, A. KHOUCHLAA, A. RAHIMI, N. SABER
ID : 169	MONITORING OF THE TRANSFORMATION PROCESS OF LIQUID ORGANIC WASTE FROM THE EXTRACTION OF OLIVE OIL FOR THEIR AGRICULTURAL VALORIZATION. I. ATEMNI, I. MEHDAOUI, T. AINANE, S. JENNANE, M. BEN ABBOU, S. BERRADA, M. TALEB, Z. RAIS
ID : 132	USE OF PESTICIDES AND EVALUATION OF THEIR ENVIRONMENTAL IMPACT BY DETERMINING AGRO-ENVIRONMENTAL INDICATORS OF PESTICIDES USE: CASE OF POTATO CROP OF LOUKKOS REGION M.BENICHA, A. MOHAMED, M. CHABBI
ID : 135	FLOOD FREQUENCY ANALYSIS FOR THE FLOOD EVENT IN RIVER RHISS CATCHMENT -AL-HOCEIMA REGION, NORTH MOROCCO- Z. AHMED, K. HABOUBI, L. BENAABDATE, S. BOUHOUT
Discussion	

FRIDAY, DECEMBER 11, 2020 Afternoon

15:00-16:30 **Thematic conference 5: Pr. SAVAS KAYA**
Moderator: Pr. A. ENNAOUI
ANALYSIS OF THE RELATIONSHIP BETWEEN TOXICITY OF METAL CATIONS WITH QUANTUM CHEMICAL PARAMETERS

16h30 - 18 :00 **Thematic conference 6: Pr. Dr. L. MANDI**
Moderator: Pr. K. HABBOUBI
**NATIONAL CENTER FOR STUDIES AND RESEARCH ON WATER AND ENERGY
 CADI AYYAD UNIVERSITY, MARRAKECH, MOROCCO**

18h15- 19h00 **Oral presentation session (III)**

ID	Session : BASD (Room 1)	Chairmen : Pr. S. NAAMANE and Pr. M. ELHAIN
ID : 115	BEHAVIOR OF MASONRY WALLS WITH RESPECT TO SEISMIC STRESS, ANALYSIS AND RECOMMENDATIONS Z. RACHID, M. SERROUKH	
ID : 148	NEW BIO MICROCAPSULES SYNTHESIZED USED DIFFERENT MODES OF EMULSION POLYMERIZATION R. EL YOUSFI, A. EL IDRISSE	
ID : 127	MANUFAC OF A NEW MEMBRANE SUPPORT MADE WITH A CLAY FROM AL-HOCEIMA REGION A. TAHIRI, N. MESSAOUDI, M. TIJANI, H. ZERROUK, M. MESSAOUDI	

D : 166	EVALUATION OF THE INHIBITORY ACTIVITY OF SOME IMINE DERIVATIVES FOR MILD STEEL IN A MOLAR HYDROCHLORIC ACID MEDIA: A COMPARATIVE STUDY S. ALAOUI MRANI, N. ARROUSSE, J. LAZRAK, E. ECH-CHIHBI, CH. EL ABIAD, S. RADI, T. SAFFAJ, M. TALEB
D : 167	OLIVE WASTE: ORGANIC AMENDMENTS FOR GOOD AGRICULTURAL YIELD OF RADISHES AND POTATOES I. MEHDAOUI, I. ATEMNI, T. AINANE, S. JENNANE, M. BENABBOU, M. TALEB, S. BERRADA, Z. RAIS
ID : 131	COMPARAISON DE LA PERFORMANCE DE QUATRE INDICES DE SECHERESSE METEOROLOGIQUES POUR L'ANALYSE SPATIO-TEMPORELLE DE LA SECHERESSE DANS LE BASSIN BAS SEBOU, MAROC. H. OUALID, B. ABDENNASSER, E. K. TOURIA
ID : 134	MICROMECHANICAL MODELING BASED MORPHOLOGICALLY REPRESENTATIVE PATTERNS (MRP) FOR A HYDRATING OIL WELL CEMENT PASTE FROM EARLY AGE TO HARDENED STATE E.H. BARHDADI
ID : 115	CONTRIBUTION TO THE STUDY OF PHYSICO-CHEMICAL AND BACTERIOLOGICAL QUALITY OF WATERS IN INAOUENERIVER (TAZA, MOROCCO) F.Z. SGHIOUER, A. NAHLI, H. BOUKA ET M. CHLAIDA
ID : 165	ACCUMULATION DES MÉTAUX PAR LA PLANTE D.G (L) COLLECTÉE DE QUATRE SITES DE LA RÉGION DE FÈS-MEKNÈS J. FLIOU, A. AMECHROUQ, O. RIFFI, M. EL HOURRI, M. TALEB
ID : 122	WATER ENERGY NEXUS IN THE MENA (MIDDLE EAST AND NORTH AFRICA) REGION A. MAFTOUH, O. ELFATNI, T. BAHAJ, S. ELHAJJAJI
	Session: RE (Room 2) Chairmen: Dr. R. SALIM and Dr. E. ECH-CHIHBI
ID : 111	SYNTHESIS OF A NEW BENZOFURAN-BASED PRODUCT AS A CORROSION INHIBITOR FOR THE ALUMINUM ALLOY 2024T-3 IN 3% NaCl: EXPERIMENTAL SIMULATION, DFT. Y. FERNINE, N. ARROUSSE, E. ECH-CHIHBI, F. EL HAJJAJI, M. EBNTOUHAMI, Z. RAIS, MOHAMED. M. ABDEL-DAIM, M. TALEB
D : 138	CAESIUM-137 RE-SAMPLING APPROACH AND EXCESS LEAD-210 SEDIMENT DATING TO ASSESS THE IMPACTS OF CLIMATE CHANGE AND LAND USE ON SOIL EROSION AND SEDIMENTATION IN NORTHWEST MOROCCO M.MOUSTAKIM, M. BENMANSOUR, A. NOUIRA, A. BENKDDAD, B. DAMNATI
ID : 164	VULNERABILITY CASE STUDY OF BERRECHID AQUIFER GROUNDWATER (MOROCCO) M. MOUKHLISS, A. TALEB, M. YAZAMI ZTAIT, F.Z. OUALI ALAMI
ID : 130	IN-SILICO DESIGN OF NEW α-GLUCOSIDASE INHIBITORS THROUGH 3D-QSAR MODELING AND MOLECULAR DOCKING STUDIES A. KHALDAN, S. BOUAMRANE, R. EL-MERNISSI. K. EL KHATABI, H. MAGHAT, M. AZIZ AJANA, A. SBAI, M. BOUACHRINE, T. LAKHLIFI
ID : 110	PROSPECTS OF USING DREDGED SEDIMENTS IN THE GROUND LAYER M. BELLAOUCHI, Z. JADBANE, S. NAAMANE, N. MTARFI, W. MAHERZI, N. ABRIAKE, M. TALEB, Z. RAIS
ID : 171	CONTRIBUTION AU TRAITEMENT DE LIXIVIAT PAR SIMULATION E. SAOUDI HASSANI, Z. RAIS, M. TALEB, A. TALEB
ID : 170	A THEORETICAL AND COMPUTATIONAL INSIGHT ON THE TOXICITY OF THE ORGANIC CHEMICALS G. SERDAROGLU, S. KAYA
D : 172	ADSORPTION OF TOXIC HEAVY METAL IONS FROM SYNTHETIC WASTEWATER USING LOW-COST BIO ADSORBENT D. AZZOUNI, Z. RAIS, F. EL HAJJAJI, M. TALEB

ID : 168	CRITICAL ANALYSIS OF SLUDGE FROM AN INDUSTRIAL PHOSPHORIC ACID PRODUCTION UNIT K. HJOUI, B. SALLEK, Y. AZHARI, R. CHAMI, M. TALEB, Z. RAIS
ID : 132	USE OF PESTICIDES AND EVALUATION OF THEIR ENVIRONMENTAL IMPACT BY DETERMINING AGRO-ENVIRONMENTAL INDICATORS OF PESTICIDES USE: CASE OF POTATO CROP OF LOUKKOS REGION M. BENICHA, A. MOHAMED, M. CHABBI
SATURDAY, DECEMBER 12, 2020 Morning	
9 :00-10 :30	Thematic conference 7: Pr. A. TALEB Moderator: Pr. T. AINANE MODELISATION DU COMPORTEMENT DE POLLUANTS EN SOLUTION DANS L'ECOSYSTEME AQUATIQUE FLUVIAL
10 :30-11 :30	ATELIER : Pr. A. TALEB GESTION INTEGREE DES RESSOURCES EN EAU DANS UN BASSIN VERSANT : ETUDE DE CAS
SATURDAY, DECEMBER 12, 2020 Afternoon	
15:00-16:30	Thematic conference 8: Pr. J. EL KHARRAZ Moderator: Pr. S. JODEH DESALINATION AS A RELIABLE WATER SUPPLY OPTION IN THE MENA REGION
16h30- 18h00	Session posters
	TOPIC: QMWP - SW - BASD-RE-CC (Room 1) Chairmen : Pr. O. EL-ABOUTI, Pr. N. NOUAYTI and Pr. S. BERRADA
ID : 216	LABORATORY LEACHING STUDIES OF IMIDACLOPRID THROUGH SOILS COLUMNS F. ZOHRA ZNAGUI, M. BENICHA, MCHABBI
ID : 215	MODELISATION SPATIALE DE LA CONTAMINATION PAR LES METAUX LOURDS ET AS DES EAUX ET DES SEDIMENTS DANS LA MINE ABANDONNEE DE ZEÏDA (MAROC) E.M. BENYASSINE, A. DEKAYIR, M. ROUAI
ID : 218	TRANS-CINNAMALDEHYDE AS EFFICIENT ORGANIC INHIBITOR OF MILD STEEL CORROSION IN THE ACIDIC MEDIUM: INSIGHT FROM ELECTROCHEMICAL AND DFT THEORETICAL STUDIES. J. LAZRAK, EL. ELASSIRI, R. SALIM, E. ECH-CHIHBI, N. ARROUSSE, A. SAADY, F. EL-HAJJAJI, M. TALEB
ID : 219	CORROSION INHIBITION OF MILD STEEL BY NEW ANILINE DERIVATIVE IN A HYDROCHLORIC ACID SOLUTION: EXPERIMENTAL EVALUATION AND THEORETICAL CALCULATIONS A. SAADY, M. TALEB, K. ISMAILYALAOUI, J. LAZRAK, F. EL HAJAJJI, A. ELBIACHE, M. ALLALI, B. HAMMOUTI, Z. RAIS.
ID : 220	UNDERSTANDING THE INHIBITION MECHANISM OF FLUORESCHEIN INHIBITOR BY USING SURFACE ANALYSIS AND DFT APPROACH STUDIES FOR MILD STEEL CORROSION N. ARROUSSE, R. SALIM, EL. MABROUK, A. ABDELAOUI, F. EL HAJJAJI, A. ZARROUK, Z. RAIS, M. TALEB

ID : 203	THE ELECTROCHEMICAL STUDY OF THE INHIBITION OF CORROSION OF THE AL 2024 ALLOY USED IN THE AERONAUTICAL INDUSTRY BY AN ECOLOGICAL INHIBITOR IN IN 3.5 %NACL MEDIA Y. FERNINE, N. ARROUSSE, F. EL HAJJAJI, M. EBNTOUHAMI, Z. RAIS, M. TALEB
ID : 202	MONITORING AND CONTROL OF OUEDOULJATECHATT WATERS DOWNSTREAM FROM STEP CHRAFATE TANGIER- TETOUAN- ALHOCEIMA REGION E. AZZIRGUE, F. SALMOUN
ID : 207	WATER QUALITY ASSESSMENT IN MOROCCAN RESERVOIRS USING REMOTE SENSING TECHNOLOGY N. OUAHMANE, B. EL FATHI, T. BENABDELOUAHAB, A. TALEB
ID : 208	ASSESSING SPATIAL AND SEASONAL SHORT-TERM VARIATION OF GROUNDWATER LEVELS IN THE GHISS-NEKOR COASTAL AQUIFER USING GIS-BASED SPATIAL PREDICTION METHODS S. BOUHOUT, K. HABOUBI, M.S ELYOUBI
ID : 213	PEOPLE'S PERCEPTIONS OF CLIMATE CHANGES IN THE REGION OF TAOUNATE (MOROCCO) A. LAFTOUHI, EL. ECH-CHIHBI, F. EL-HAJJAJI, Z. RAIS. A. ABDELLAOUI, M. TALEB
ID : 221	MAPPING OF FLOOD VULNERABILITY IN MOHAMMEDIA PREFECTURE USING GIS AND THE MULTI-CRITERIA HIERARCHICAL ANALYSIS METHOD S. HOBAIZI, A. TALEB, L. NAJEM
ID : 222	PILOT STUDY OF FLOOD FORECAST CASE OF FEZ RIVER INMOROCCO B. EL FATHI, A. TALEB, M. AYACINE
ID : 223	LE PATRIMOINE HYDRAULIQUE DE LA MEDINA DE FES COMMEMODELE DE LA GESTION INTEGRE DES RESSOURCES EN EAU M. AYACINE, A. TALEB, M. YAZAMI ZTAIT
ID : 224	A WEB GIS: INTEGRATED MODEL FOR ADAPTING WATER RESOURCEMANAGEMENT TO CLIMATE CHANGE AT THE SCALE OF A WATERSHED N. SADKI, A. TALEB, M. M OUKHLISS
ID : 205	EVALUATION OF THE ANTIOXIDANT ACTIVITY AND THE PHENOLIC COMPOSITION OF MONOLLUMA E. ALZALAEI, H. HARHAR, S. HAJJAJJI
ID : 210	EVALUATION OF BIOLOGICAL INDICES I THE GASTROPOD PHORCUSLINEATUS FROM THE POLLUTED NATURAL ENVIRONMENT F. FAHMI, J. SIF, A. ROUHI

18:00-18:30

CLOSING WORD OF CI3E

(certificates, best prices and prospects)

QMWP: QUALITY, MANAGEMENT OF WATER AND POLLUTION	BASD: BIODIVERSITY AND SUSTAINABLE DEVELOPMENT
SW: SOLID WASTE	RE: RENEWABLE ENERGIES
AA: AIR AND SOIL	CC: CLIMATE CHANGE