

SOMMAIRE COMMUNICATIONS ORALES

BIOCHIMIE - BIOLOGIE MOLECULAIRE

C. Orale n°:1.....	2
THE 6-AMINOCHOLESTANOL INHIBITS THE LEISHMANIA DEAD-BOX HELICASE EIF4A (LEIF) BY TARGETING THE RNA BINDING SITE	2
ABDELKRIM YOSSEZ ZINA ^{1,2,3} , EMNA HARIGUA ^{1,4} , JOSETTE BANROQUES ² , ARNAUD BLONDEL ⁴ , MICHAEL NILGES ⁴ , IKRAM GUIZANI ¹ AND N. KYLE TANNER ²	2
C. Orale n°:2.....	2
Contribution to the phytochemical study and evaluation of the antibacterial activity of green Coffea canephora seeds extracts.....	2
AISSAOUI MOHAMMED, BAREK SAÏD ET RAHMOUN MOHAMMED NADJIB.....	2
C. Orale n°:3.....	3
Therapeutic effect of probiotic on clindamycin and propionic acid, a short chain fatty acid-induced neurotoxicity in juvenile hamsters	3
AL-ORF NORA ¹ , AFAF EL-ANSARY ^{2,3} AND ABIR BEN BACHA ^{1,3,4}	3
C. Orale n°:4.....	3
Evaluation de la naringine comme agent anti-cancéreux dans le traitement des tumeurs cérébrales	3
AROUI SONIA ¹ , ANNIE-CLAIREE MEUNIER ² , ABDERRAOUFKENANI ¹	3
C. Orale n°:5.....	4
The major risk factors for fetal macrosomia in Tunisia.....	4
BEN AHMED WISSAL ¹ , MRAYHI F ² ., ACHOUR A ² ., MASMOUDI A ³ ., BEN ROMDHANE N ⁴ ., CHELLI D ² ., CHELLI H ² & BAHRI S ¹	4
C. Orale n°:6.....	4
METABOLIC SYNDROME AND CARDIOVASCULAR DISEASE IN HEMODIALYSIS PATIENTS	4
BEN OMRANE OLFA ¹ , EL ATI ZOHRA ² , BOUZIDI HASSAN ³ , KERKENI MOHSEN ¹ AND HAMMAMI MOHAMED ¹	4
C. Orale n°:7.....	5
Effects of collagenase-1 (MMP-1) and Gelatinase A (MMP-2) in Tunisian Obese subjects.....	5
BOUMIZA SOUMAYA ^{1,2} , CHAHED K. ² , NOREL X. ³ , TABKA Z. ² , JACOB M.P. ³	5
C. Orale n°:8.....	5
HIGH SENSITIVITY C- REACTIVE PROTEIN IN PREDICTING SEVERITY OF CORONARY ARTERY DISEASE IN PATIENTS UNDERGOING ANGIOGRAPHY.....	5
BOUZIDI NADIA ¹ , BEN MESSAOUD MEJDI ² , JOMAA WALID ³ ,MEJRI AYMEN ² , ALAYA RAMZI ² , ERGUEZ AICHA 1, HASSINE MAJED ² , BEN HAMDA KHALDOUN ³ , DRIDI ZOHRA ² , BETBOUT FETHI ² , GAMRA HABIB 2, MAATOUK FAOUZI 3, FERCHICHI SALIMA ¹	5

C. Orale n°:9.....	6
Lolium perenne tunisien: Etude de la diversité génétique par le marqueur chloroplastique <i>trnH-psbA</i>	6
CHARFEDDINE AMINA ¹ , AMERI MARWEN ¹ , CHAKROUN MOHAMED ² , TRIFI-FARAH NEILA ¹ ET GHARIANI SALMA ¹	6
C. Orale n°:10.....	6
A NEW PHENOLIC GLYCOSIDE INHIBITS AMYLOID- β AGGREGATION, REMODELS AMYLOID FIBRILS AND REDUCES CYTOTOXICITY.....	6
DHOUAFLI ZOHRA ^A , HICHEM BEN JANET ^B , BORHANE MAHJOUB ^C , STEFANIA RIGACCI ^D , MONICA BUCCIANINTI ^D , JEROME GUILLARD ^E , RIADH KSOURI ^A , MOUFIDA SAIDANI TOUNSI ^A , MASSIMO STEFANI ^D AND EL AKREM HAYOUNI ^A	6
C. Orale n°:11.....	7
The metal ion induced self-assembly of M42 aminopeptidases	7
DUTOIT RAPHAEL ^{1,3} , TOM VAN GOMPEL ² , NATHALIE BRANDT ³ , JEROEN VAN DYCK ² , FRANK SOBOTT ^{2,4} , LOUIS DROOGMANS ¹	7
C. Orale n°:12.....	7
Anti-inflammatory and anti-cancer effects of terpenes from oily fractions of <i>Teucrium alopecurus</i> , blocker of I κ B α kinase, through down regulation of NF κ B activation, potentiation of apoptosis and suppression of NF- κ B-regulated gene expression	7
GUESMI FATMA ^{A,B} , SAHDEO PRASAD ^A , AMIT K. TYAGI ^A , BHARAT B AGGARWAL ^C , AHMED LANDOULSI ^B	7
C. Orale n°:13.....	8
Enhancement of solubility, purification and inclusion-bodies-refolding of an active pectin lyase from <i>Penicillium occitanis</i> expressed in <i>Escherichia coli</i>	8
HADJ SASSI AZZA, HELA TRIGUI-LAHIANI, SALMA ABDELJALIL, ALI GARGOURI	8
C. Orale n°:14.....	8
DRUG REPURPOSING TOWARDS THE IDENTIFICATION OF NOVEL ANTI-LEISHMANIA MOLECULES TARGETING THE METHYLTHIOADENOSENINE PHOSPHORYLASE.....	8
HARIGUA-SOUIAI EMNA ¹ , ZEINEB MOUSSA ¹ , MOURAD BARHOUMI ¹ , IKRAM GUIZANI ¹	8
C. Orale n°:15.....	9
Identification and purification essay of a germinating almond (<i>Prunus amygdalus</i> Mill.) seedlings alpha amylase.....	9
HERMI SAOUSSEN ¹ AND SELLEMA BAHRI ^{1*}	9
C. Orale n°:16.....	9
Relationship between methylglyoxal and disease activity in patients with Rheumatoid arthritis KNANI INES ¹ , HASSAN BOUZIDI ² , SAOUSSEN ZROUR ³ , MOHAMED HAMMAMI ¹ , AND MOHSEN KERKENI ¹	9
C. Orale n°:17.....	10
Evaluation de l'effet nephro-protecteur du décocté du gingembre chez des rats Wistar contre les altérations biochimiques et histologiques induits par un insecticide organophosphoré.....	10
JELLED AICHA ^{1*} , AMIRA TAHOURI ² , AMIRA EL AREM ² , LOTFI ACHOUR ² , ZOHRA HAOUAS ¹ ET HASSEN BEN CHEIKH ¹	10

C. Orale n°:18.....	10
EFFICIENT BIOCONVERSION OF MACROALGAL BIOMASS USING A SPECIFIC THERMOSTABLE GH 12 ENDOGLUCANASE FROM <i>ASPERGILLUS TERREUS</i>	10
JMEL MOHAMED AMINE, NESRINE BEN YAHMED, M NEJIB MARZOUKI, M ISSAM SMAALI.....	10
C. Orale n°:19.....	11
Variations in Tunisian <i>Medicago minima</i> phenolic and flavone contents between different plant organs and their antioxidant activities.....	11
KABTNI SOUHIR ¹ , SDOUGADORRA ¹ , HAKIM LAMIA ¹ , FAUCONNIER MARIE-LAURE ² , TRIFI-FARAH NEILA ¹ , MARGHALI SONIA ¹	11
C. Orale n°:20.....	11
Chemical composition, Antibacterial and Antioxidant Activities of the Essential Oil Extracted from the <i>Schinus molle</i> of Algeria	11
LADJEL SEGNI, ZERROUK MOHAMED.....	11
C. Orale n°:21.....	12
Bactéries LACTIQUES: Propriétés probiotiques et technologiques.....	12
MAHMOUDI IMEN ¹ AND HASSOUNA MNASSER ¹	12
C. Orale n°:22	12
Genetic association Study of MTHFR c677t polymorphism with the primary congenital glaucoma in the west Algerian population.....	12
MAHMOUDI NABILA ¹ , H. BENAICHE ¹ , F.Z MOGHTIT ¹ , F. ZEMANI ¹ , R. ABDERRAHMANE ¹ , M. ABERKANE ² , K. MAHMOUDI ³ , A. DEHOU ³ , A. BOUBEKEUR ¹	12
C. Orale n°:23	13
STRUCTURE GENETIQUE DE QUELQUES ESPECES D'HOLOTHURIES ASPIDOCHIROTES DU GENRE HOLOTHURIA DE LA COTE ALGERIENNE	13
MANSOURI TOUFIK ^{1,2} ET KARIM MEZALI ²	13
C. Orale n°:24.....	13
Chemical composition of twelve populations of Pea (<i>Pisum sativum L.</i>) cultivated to the arid regions in Tunisia.....	13
MOHAMED AMINA ^{(1, 2)*} , MOHAMED LOUMEREM ¹ , LAILA YAHIA ¹ , MOHSEN BOUBAKER ²	13
C. Orale n°:25	14
Evaluation de la contribution du polymorphisme T6235C du gène CYP 450-1A1 au risque de développement des maladies coronariennes au sein de la population Tunisienne	14
MUFTI AFOUA ^{1*} , BAAZIZ INTISSAR1, GHAZOUANI LAKHDAR ¹	14
C. Orale n°:26.....	14
GENETIC, IMMUNOLOGIC AND PHENOTYPIC FEATURES OF TUNISIAN PATIENTS WITH LIMB GIRDLE MUSCULAR DYSTROPHY TYPE 2C.....	14
REKIK SABRINE, SALMA SAKKA, MARIEM DAMMAK, CHOKRI MHIRI.....	14
Cloning and biochemical characterization of the purified elastase from <i>PSEUDOMONAS AERUGINOSA</i>	15
RIGANE BOURMECHE EMNA ^A , RAPHAELDUTOIT ^B , SIGRIDFLAHAUT ^B , KARIMA SRIH-BELGHITH ^A .15	

C. Orale n°:28.....	15
LA COMPOSITION CHIMIQUE ET L'ACTIVITE INSECTICIDE DE L'EXTRAIT ORGANIQUE DE LA PLANTE MENTHA SPICATA AUTOCHTONE A LA REGION ARIDE BISKRA	15
SAIFI RAYANE ¹ , MOHAMED BELHAMRA ¹ , HADJER SAIFI ² , BENABDELKADER MASSAOUDA ³	15
C. Orale n°:29.....	16
Differential toxicity of antifungal protein AcAFP against mutants of <i>Fusariumoxysporum</i>	16
SKOURI-GARGOUR HOUDA ¹ , M. ISABEL G. RONCERO ² , ALI GARGOURI ¹	16
C. Orale n°:30.....	16
EFFECTS OF LAMB INTAKE OF ROSEMARY DISTILLATION RESIDUES ON MEAT'S ALPHA-TOCOPHEROL CONTENT AND OXIDATIVE STABILITY	16
YAGOUBI YATHREB ^{1*} , SMETI S ¹ , MEKKI I ¹ , MAHOUACHI M ² , ATTIN ¹	16
C. Orale n°:31.....	17
Phenolic profiles of selected Faba bean minor breed in Arid Tunisian Condition.....	17
YEHMED JAMILA ^{1,2} , LOUMEREM MOHAMED ¹	17
 <u>BIOLOGIE PHYSIOLOGIE & ECOLOGIE ANIMALE</u>	
C. Orale n°:32	19
LES OPERATIONS D'ENSEMENCEMENTS DES POSTES LARVES DE CREVETTE <i>Penaeus kerathurus</i> POUR LA DURABILITE DE L'ACTIVITE DE PECHE.....	19
ABDERRAHMANI K; SADDJABALAH M; BOUKHENANE K ET ALLOUCHE W	19
C. Orale n°:33	19
Effet de la supplémentation en enzymes fibrolytiques exogènes sur l'utilisation digestive et la fermentation ruminale <i>in vitro</i> des coproduits des palmiers.....	19
ABID KHALIL ^{1,2*} , JIHENE JABRI ¹ , HELA YAICH ¹ , ATEF MALEK ¹ , JAMEL REKHIS ¹ , YVES BECKARS ³ ET MOHAMED KAMOUN ¹	19
C. Orale n°:34	20
Effect of three Tunisian fodder resources on the exsheathment process of <i>Haemonchus contortus</i> infective stage	20
AÏSSA ASMA ^A , MANOLARIKI FOTEINI ^B , MATHLOUTHI-MAJDFOUB LINDA ^A , BEN SALEM HICHEM ^C , HOSTE HERVE ^D , KRAIEM KHEMAIS ^A ,	20
C. Orale n°:35	20
Etude des populations hypogées hivernales de <i>Bactrocera oleae</i> (Diptera; Tephritidae).....	20
BACHOUCHE NASSIMA * ET ABDELLAH KELLOUCHE ¹	20

C. Orale n°:36.....	21
EVOLUTION DE LA CHARGE PARASITAIRE : QUANTIFICATION ET IDENTIFICATION DES ECTOPARASITES DE LA POULE D'EAU GALLINULA CHLOROPUS DANS LE NORD-EST ALGERIEN	21
BELABED-ZEDIRI HASSIBA ^{1,2*} , BELABED ADNENE IBRAHIM ^{1,2&} BOUSLAMA ZIHAD ¹	21
C. Orale n°:37	21
Etude biométrique d'une population d'abeille <i>Apis mellifera</i> du Nord-Ets Algérien.....	21
BOUZERAH HOUA ¹ , MOHAMED ACHOU ¹ ET NOUREDDINE SOLTANI ¹	21
C. Orale n°:38	22
Évaluation de la variabilité génétique par radio- mutagenèse au sein d'une collection du mutants d'orge issu de l'in vitro pour la variété Rihane(<i>HordeumVulgarL.</i>).....	22
BRAHMI KARIMA*; REMLA DALILA**; NEBRI NADIA*; SI SALEM GHENIMA*	22
C. Orale n°:39	22
CHEMICAL CONTROL OF THE TOMATO LEAFMINER <i>TUTA ABSOLUTA</i> (MEYRICK) (LEPIDOPTERA: GELECHIIDAE) IN TUNISIAN TOMATO OPEN FIELD CROP	22
CHERIF ASMA [*] , KAOUTHAR GRISSA-LEBDI.....	22
C. Orale n°:40.....	23
Structural and morphometric study of folliculogenesis in a desert rodent <i>Psammomysobesus</i> (Cretzschmar, 1828).....	23
DJOUAHR NASSIMA ¹ , SADJIA HAMMOUCHE ¹	23
C. Orale n°:41.....	23
CONTRIBUTION A LA CONSERVATION DE LA RACE BOVINE LOCALE EN TUNISIE.....	23
EL HENTATI HAIFA ¹ , THAMRI NAJIA ² , HADHLI MOUNA ³ , BEN SASSI MOHSEN ²	23
C. Orale n°:42.....	24
Les dégâts causés par les rongeurs dans les champs d'orge au sud Est de la Tunisie.....	24
ETTISS KARAMA, CHAMMEM MOHSEN, KHORCHANI TOUHAMI.....	24
C. Orale n°:43.....	24
DIAGNOSTIC ÉCOLOGIQUE DES SITES « RAMSAR » EN TUNISIE : CAS DU PARC NATIONAL ICHKEUL	24
HAMDI NABIL ⁽¹⁾	24
C. Orale n°:44.....	25
SEMINIFEROUS EPITHELIUM CYCLE IN A DESERT RODENT <i>GERBILLUS TARABULI</i> : MORPHOMETRICAL AND STATISTICAL APPROACH	25
KHATI HAMIDATOU WISSAM ¹ , HAMMOUCHE SADJIA ¹	25
C. Orale n°:45.....	25
SUBLETAL EFFECT OF CADMIUM ON THE VITELLINES AND VITELLOGENINS OF <i>DONAX TRUNCULUS</i> DURING THE PERIOD OF EXPOSURE AND RESTORATION.....	25
KHEROUI NAWEL ¹ , HAMDANI AMEL ²	25

C. Orale n°:46.....	26
Direct Interaction between <i>Trichogramma cacoeciae</i> (Hymenoptera: Trichogrammatidae) and <i>Ascogaster quadridentata</i> (Hymenoptera: Braconidae), two parasitoids of the pest codling moth <i>Cydia pomonella</i> (Lepidoptera: Tortricidae).....	26
KSENTINI INES ^{1#} , ANNETTE HERZ ²	26
C. Orale n°:47.....	26
Etude du développement post-natal des structures épидidymaires chez le lapin de la population blanche en Algérie.....	26
LAKABI LYNDA ¹ , R. MENAD ² , Y. OUMOHAND ¹ , S. ALLAB ¹ , Z. HAMIDOUCHÉ ¹	26
C. Orale n°:48.....	27
Reproductive cycle of the pearl oyster, <i>Pinctada radiata</i> (Mollusca: Pteridae), in Zarat site (Gulf of Gabès, Tunisia).....	27
LASSOUED MARWA 1*, WAFA DAMAK 1 & AMEL CHAFFAI 1.....	27
C. Orale n°:49.....	27
Différenciation de l'origine géographique d'agneau de race locale Tunisienne par l'outil du ratio isotope stable	27
MEKKI ILYES ^A , S. SMETI ^A , H. HAJJI ^{A,B} , F. CAMIN ^{C,D} , M. PERINI ^D , M. MAHOUACHI ^E , E. PIASENTIER ^C , N. ATTI ^A	27
C. Orale n°:50.....	28
Colorectal cancer: level of education, alcohol consumption and smoking.....	28
NEGRICHI SAMIRA ¹ , SALIMA TALEB ^{2,3}	28
C. Orale n°:51.....	28
Nephroprotective effect of <i>Plantago albicans</i> in obese rats.....	28
SAMOUT NOURA ^{A,B} , HAFSIA BOUZENNA ^{A,B} , SABAH DHIBI ^A , SARRA AKERMI ^{A,B} , ABDELFATTAH ELFEKI ^B , NAJLA HFAIEDH ^A	28
C. Orale n°:52.....	29
Reproductive characteristics of the ram and ewe Ouled Djellal.....	29
TAHERTI MOURAD ¹ ET KAIDI R. ²	29
C. Orale n°:53	29
EPIDEMIOLOGY OF COLORECTAL CANCER IN EASTERN ALGERIA BETWEEN 2006 AND 2016..	29
TALEB SALIMA ^{1,3,4} NEGRICHI SAMIRA. ¹ BOUGHRIRA ESMA ⁴	29
C. Orale n°:54.....	30
Physicochemical characteristics of farm and exotic eggs consumed in Algeria.....	30
ZIDANE AZDINIA ¹ AND METLEF SARRA ²	30

BIOLOGIE PHYSIOLOGIE & ECOLOGIE VEGETALE

C. Orale n°:55	32
Effects of deficit irrigation on agro-physiological parameters.....	32
of pistachio (<i>Pistaciavera</i> L.) varieties	32
ABIDI ¹ , WALID, AKRIMI ¹ , R., FRIDHI ² , B., HAJLAOUI ¹ , H.	32
C. Orale n°:56	32
Effect of salt stress on molecular and osmotic response of potato: Involvement of the physical method of saline water treatment	32
AKRIMI RAWAA ¹ , HAJLAOUI HICHEM ² , DENDEN MOUNIR ³	32
C. Orale n°:57	33
Assessment of tolerance to severe water stress of olive seedlings and preliminary selection of drought-tolerant genotypes.....	33
BACCARI SAHAR 1,2,* , ANISSA CHAARI RKHIS2, AZZA CHELLI CHAABOUNI3, FERJANI BEN ABDALLAH1	33
C. Orale n°:58	33
IMPACT OF DIFFERENT FOLIAR FERTILISERS ON OLIVE OIL VOLATILES.....	33
BEN ABDELJELIL ZIED ¹ , MECHRI BELIGH ¹ , TEKAYA MERIEM ¹ , GUIDO FLAMINI ² , HAMMAMI MOHAMED ¹	33
C. Orale n°:59	34
Variability in Salt Tolerance of <i>Solanum lycopersicum</i>	34
BEN AÏCH FERIEL, MOHAMED TEBBINI, ABIR BEN HASSINE, SAMI GHRIBI, ABDELLAH CHALH	34
C. Orale n°:60	34
GLOMUS DESERTICOLA AND GIGASPORA MARGARITA INCREASE GROWTH, POLYPHENOL CONTENT AND OSMOLYTE SYNTHESIS IN OLIVE TREE UNDER TREATED WASTEWATER IRRIGATION.....	34
BEN HASSENA AMENI ^{1,*} , MOHAMED ZOUARI ² , LINA TRABELSI ² , ANISSA CHAARI ¹ , FATHI BEN AMAR ¹ , WAHID KHABOU ¹ , NACIM ZOUARI ^{3, 4}	34
C. Orale n°:61	35
CALCIUM ET CITRATE MODULENT L'HOMEOSTASIE REDOX CONTRE LES DOMMAGES OXYDATIFS INDUITS PAR LE CUIVRE CHEZ LE PETIT POIS.....	35
BEN MASSOUD MAROUANE ^(1,2) , YAO ZHU ⁽²⁾ , EZZEDINE EL FERJANI ⁽¹⁾ , DAVID SHEEHAN ⁽³⁾ , ABDELILAH CHAOUI ⁽¹⁾	35
C. Orale n°:62	35
Diversité et affinités écologiques de la flore bryologique de la Kroumirie	35
BEN OSMAN IMEN ^{1,2} , SERGE D. MULLER ³ , ZEINEB GHRABI-GAMMAR ^{2,4} & AMINA DAOUD-BOUATTOUR ^{1,2}	35
C. Orale n°:63	36
Effect of mono-ammonium phosphate upstream and downstream of the purification on growth and fruit yield of tomato (<i>Lycopersicon esculentum</i> Mill)	36
BEN SALAH YOUSRA, EL FEKIHAFED, TOUNSI SLIM	36

C. Orale n°:64.....	36
L'effet de l'interaction combinée ammonium/nitrate et NaCl sur les paramètres photosynthétiques de la Nigelle (<i>Nigella sativa</i>)	36
BENSALEM NADA ^{1*} , S. M ¹ "RAH, M. CHEBBI ET Z. OUERGHI ³	36
C. Orale n°:65.....	37
Assessment of copper (CuSO ₄ /CuO) <i>Brassica juncea</i> tolerance.....	37
BOUSLIMI HOUDA ¹ , HAGER JOUILI ¹ , ISABEL CAÇADOR ² , NOOMENE SLEIMI ¹	37
C. Orale n°:66.....	37
Inventory and contribution to the study of the major pests of tomato in the region M'RaraGama'a , Oued Souf	37
BRAHMI KARIMA * BELLABIDI MERIEM **, *** AND ACHOURE HAMID DOUMANDJI SALAHUDDIN ****37	
C. Orale n°:67.....	38
EFFET DE LA CONTRAINTE SALINE SUR L'INFLUX DU NITRATE ET DE L'AMMONIUM ET L'EXPRESSION DE LEUR GENE, AU NIVEAU DES RACINES DU FENUGREC (<i>Trigonella foenum graecum L.</i>)	38
CHEBBI MOHAMED *, THOURAYA AMDOUNI, NADA BENSALEM & ZEINEB OUERGHI	38
C. Orale n°:68.....	38
MOLECULAR CHARACTERIZATION OF AN AP2/ERF TRANSCRIPTION FACTOR ISOLATED FROM A TUNISIAN VARIETY OF DURUM WHEAT	38
DJEMAL RANIA, HABIB KHOUDI.....	38
C. Orale n°:69.....	39
THE ENHANCEMENT OF WATER STRESS RESISTANCE IN DATE PALM BY MYCORRHIZAL FUNGI AND PGPR BACTERIA	39
HARKOUSSE OUMAIMA. ^{1,2} , OUHMANE L. ³ , KOUSSA T. ² , ALFEDDY M.N. ¹	39
C. Orale n°:70.....	39
EFFECTS OF MYCORRHIZATION ON THE GROWTH OF CAROB (<i>CERATONIA SILIQUA</i>) PLANTS AND THEIR RESPONSE TO DROUGHT STRESS	39
JADRANE ISSAM ¹ , AL FEDDY MOHAMED NAJIB ² , HAFIDI MOHAMED ¹ , OUAHMANE LAHCEN ¹	39
C. Orale n°:71.....	40
Temperature Effects on Tuber Production, Carbohydrate Accumulation and Partitioning in Potato (<i>Solanum tuberosum L.</i>).....	40
MOKRANI KHAOULA ^{1*} CHRISTINA KÜHN ² NEJI TARCHOUN ¹	40
C. Orale n°:72	40
AMELIORATIVE EFFECTS OF SALICYLIC ACID ON THE PROCESS OF ORGANIC RESERVE MOBILIZATION OF FENUGREEK (TRIGONELLA FOENUM- GRAECUM.L) SEEDS GERMINATED IN THE PRESENCE OF ARSENIC AND ZINC.....	40
MABROUK BASMA, LEILA BETTAIEB BEN KAAB.....	40



ATSB

ASSOCIATION TUNISIENNE DES SCIENCES BIOLOGIQUES
29EME CONGRES INTERNATIONAL DE L"ATSB. 26-29 MARS 2018. SOUSSE. TUNISIE

C. Orale n°:73	41
SPENT COFFEE GROUND A PROMISING SOIL AMENDMENT: EFFECT ON SOIL CHARACTERISTICS AND PLANT PHYSIOLOGY	41
MAKTOUF SAMEH ¹ , MOUNA KHLIFI ¹ , HOUCINE BRINI ¹ , NABIL SOUA ¹ AND KAMEL GARGOURI ¹ ...	41
C. Orale n°:74	41
Study of the effect of water stress on the behavior of the leaves and fruits of tomato Plovdiv MEDYOUNI IBTISSEM ^{1,2} , SALMA WASTI ¹ , ANISSA NSAÏRI ¹ , HELA BEN AHMED ¹ , NADIA BERTIN ²	41
C. Orale n°:75	42
Proteomic Comparison of the Aleurone Layer in <i>Triticum Aestivum</i> and <i>Triticum Monococcum</i> Wheat Varieties	42
MEZIANI SAMIRA ^{1,2} , N. MENADI ¹ M. K. HAOUD ¹ . H. MEHIDA ¹ . FZ. EL KADI ¹ . M. ZAIR ¹ . M. BENALI ¹ AND G. BRANLARD ²	42
C. Orale n°:76	42
The impact of different irrigation systems on the properties of the olive tree in arid Tunisian environment.....	42
NAIJA AMIRA ¹ , BEN ABDALLAH FERJANI ² , DAB FATMA ¹ , BEN ROUINA BECHIR ¹	42
C. Orale n°:77	43
Foliar silicon sprays reduce the depressive effect of salt stress in tomato plants (<i>Solanum lycopersicum</i>)	43
NSAÏRI ANISSA ^{1,2} , IBTISSEM MEDYOUNI ¹ , SALMA WASTI ¹ , ABIR BEN HASSINE ¹ , HELA BEN AHMED ¹ , CATHERINE VERRET ²	43
C. Orale n°:78	43
Oxalate et EGTA protègent l'intégrité membranaire et le système antioxydant contre le cadmium dans les racines de <i>Medicago truncatula</i>	43
RAHOUI SONDES, EZZEDINE EL FERJANI, ABDELILAH CHAOUI.....	43
C. Orale n°:79	44
IMPACT OF DROUGHT ON OLIVE LEAVES ACTIVITY AND PHYSIOLOGICAL ADAPTATIONS IN ARID CLIMATE	44
TRABELSI LINA ^{1,2*} , AMENI BEN HASSENA ¹ , ANISSA CHAARI ¹ , MOHAMED GHARAB ¹ , SOUA NABIL ¹ , RADHIA GARGOURI-BOUZID ² , KAMEL GARGOURI ¹	44
C. Orale n°:80	44
EVALUATION OF THE MYCORRHIZAL INFECTIVITY OF RETAMA MONOSPERMA RHIZOSPHERIC SOILS IN MOROCCO	44
ZAARAOUA MERIEM ^{1,2} , DOUNAS HANANE ¹ , OUAHMANE LAHCEN ¹ , HAFIDI MOHAMED ¹ AND AL FEDDY MOHAMED NAJIB ²	44

BIOTECHNOLOGIE

C. Orale n°:81.....	46
IN SILICO IDENTIFICATION OF KNOWN OSMOTIC STRESS RESPONSE GENES FROM MEDICAGO TRUNCATULA IN FABA BEAN (VICIA FABA L.).....	46
ABID GHASSEN ¹ , MARWA AOUIDA ¹ , SOUHIR ABDELKRIM ¹ , SALWA HARZALLI JEBARA ¹ , FATHI BARHOUMI ¹ , MAHMOUD M'HAMDI ² , KHALED SASSI ³ , MOEZ JEBARA ¹	46
C. Orale n°:82.....	46
Probiotic properties of <i>Enterococcus faecalis</i> OB14 and OB15 isolated from tunisian traditional fermented dairy products	46
BACCOURI OLFA 1, ARTHUR ZBRE2, KURT ZIMMERMANN3, EUGEN DOMANN4, MELYSSA CAMBRONEL2,, LEILA BEN FARHAT1, MOHAMED NEJIB MARZOUKI1, MARC FEUILLOLEY2, NATHALIE CONNIL2, FERID ABIDI1	46
C. Orale n°:83.....	47
Antimicrobial activity of phenolic extract and essential oil of <i>Ceratonia siliqua L</i> (Caroub): Effect on digestive flora of malnourished children	47
BELGHARBI ASMAA ¹ , MIRVETT BENYELLESS ² ET RYM NOURIA BENAMARA ²	47
C. Orale n°:84.....	47
ANTI-INFLAMMATORY EFFECTS OF ESSENTIAL OILS FROM ROSMARINUS OFFICINALIS AND POPULUS ALBA ON EXPERIMENTAL MODELS OF ACUTE AND CHRONIC INFLAMMATION IN RATS	47
BELKHODJA HAMZA ¹ , MEDDAH BOUMEDIENE ^{1,2} , MEDDAH TIR TOUIL AICHA ¹ , SIDELARBI KHADIDJA ¹ , BELMIMOUN ASMAA ¹	47
C. Orale n°:85.....	48
BODY COMPOSITION DETERMINATION IN CHILDREN USING ISOTOPE DILUTION TECHNIQUE	48
BEN JEMAA HOUDA ^{A,B} , A MANKAÏ ^A , S KHLIFI ^A , R MINAOUI ^A , I KARMOUS ^A , F BEN SLAMA ^C , J EL ATI ^B , A AOUIDET ^{A,B}	48
C. Orale n°:86.....	48
TRACABILITE DE L'HUILE D'OLIVE : COMPARAISON DES HUILES D'OLIVE EXTRA-VIERGES TUNISIENNES MONOVARIETALES ET DES HUILES D'OLIVE ITALIENNES SUR LA BASE D'UNE APPROCHE METABOLOMIQUE.....	48
BEN MOHAMED MBARKA ^{1,2,3*} , SIHEM BEN ALI ^{1,2,3} , FERDAOUS GUASMI ² ,TEBRA TRIKI ² ,NAZIHA GRATI KAMOUN ¹	48
C. Orale n°:87.....	49
EFFECTS OF PROBIOTIC STRAINS, <i>LACTOBACILLUS PLANTARUM</i> TN8 AND <i>PEDIOCOCUS ACIDILACTICI</i> , ON MICROBIOLOGICAL AND PHYSICO-CHEMICAL CHARACTERISTICS OF BEEF SAUSAGES	49
BEN SLIMA SIRINE ^A , MEHDI TRIKI ^B , NAOUREZ KTARI ^C , IMEN TRABELSI ^A , HAFEDH MOUSSA ^B , ISKANDAR MAKNI ^B , ANA MARIA HERRERO ^D , FRANCISCO JIMÉNEZ-COLMENERO ^D ,CLAUDIA RUIZ-CAPILLAS ^D , AND RIADH BEN SALAH ^A	49



C. Orale n°:88.....	49
Saccharification des macroalgues vertes par de nouvelles cellulases thermostables produites par une souche spécifique d' <i>Aspergillus fumigatus</i>	49
BEN YAHMED NESRINE, NADIA BERREJEB, AMINE JMEL, NEJIB MARZOUKI, ISSAM SMAALI	49
C. Orale n°:89.....	50
PHARMACEUTICAL POTENTIAL AND BIOLOGICAL ACTIVITIES OF ESSENTIAL OIL FROM THYMUS MUNBYANUS SUBSP. COLORATUS.....	50
BENDIF HAMDI ^{1,2*} , MAGGI FILIPPO ³ , QUASSINTI LUANA ³ , LUPIDI GIULIO ³ , VITALI LUCA A. ³ , BRAMUCCI MASSIMO ³	50
C. Orale n°:90.....	50
Study of heavy metals and antibiotics multi-resistant bacterial strains isolated from Marchica lagoon in Morocco	50
BENGHAIT YOSRA*, M. BLAGHEN.	50
C. Orale n°:91.....	51
Optimization of gibberellic acid production by the endophytic <i>Fusarium oxysporum</i> using Plackett–Burman and Taguchi methods, and evaluation of its efficacy on the tomato growth in salinity stress	51
BENRHOUMA MARWA ^{1*} , MOUNA KRIA ¹ , YOSRI BEN NASR ¹ , RADHOUANE KAMMOUN ^{1,2}	51
C. Orale n°:92.....	51
SALICYLIC ACID AND HYDROGEN PEROXIDE IMPROVE GROWTH OF <i>Lens culinaris</i> UNDER SALT STRESS.....	51
BOUALLEGUE AMAL ¹ , FATMA SOUSSI ¹ , ZOUHAIER ABBES ² AND HAYTHEM MHADHBI ¹	51
C. Orale n°:93.....	52
EFFECT OF α -AMYLASE SOURCE ON ENZYMATIC ACTIVITY IN SORGHUM STARCH HYDROLYSIS	52
BOUDRIES-KACI NADIA ¹ , MARIANNE SINDIC ² , NAIMA BELHANECHE-BENSAMRA ³ AND BOUBEKEUR NADJEMI ¹	52
C. Orale n°:94.....	52
EFFECT OF DEGUMMING PROCESS ON MORINGA OLEIFERA SEED OIL.....	52
BOUKANDOUL SILIA ^{1,2} , SUSANA CASAL ² , FARID ZAIDI ¹	52
C. Orale n°:95.....	53
Production and characterization of a biosurfactant produced by <i>Pseudomonas Stutzeri</i> 'strain PYRK ² isolated from hydrocarbon contaminated seawater	53
CHEFFI MERIAM, OUMAIMA ELLOUMI, ASMA MAHMOUDI, SAMI SAYADI, MOHAMED CHAMKHA ...	53
C. Orale n°:96.....	53
ETUDE FONCTIONNELLE D'UN FLAVOCYTOCHROME B558 RECOMBINANT EN SYSTEME IN VITRO	53
EEZZINE AYMEN ^{1, 2, 3*} , HAGER SOUABNI ¹ ET LAURA BACIOU ¹	53
Purification and Biochemical Characterization of Polyphenol Oxidase From Algerian Dates "Ghars"	54
BENACEUR FAROUK ^{1,2*} , HICHAM GOUZI ¹ , MEDAH BOUMEDIENE ^{2,3} NEIFAR AREF, ³ GUERGOURI ALI ^{1,4}	54

C. Orale n°:98.....	54
New alkaline proteases from <i>Bacillus invictae</i> AH1:Biochemical characterization and effect of storage time on the spray-dried enzymes.....	54
HAMMAMI AMAL, AHMED BAYOUDHAND MONCEF NASRI.....	54
C. Orale n°:99.....	55
Towards increased bioavailability and ensure preservation of vitamins in fenugreek and carob seed by the Instant Controlled Pressure Drop Process (DIC Process).....	55
MELKI DALEL ^{A,E,F} , LASSAAD HEDHILI ^{†B,E,G} , LAMIA HAMROUNI ^C , MOHAMED NEGM ^D , BASSEM JAMOUSSI ^E AND KARIM ALLAF ^F	55
C. Orale n°:100	55
Pigments of <i>Fusarium verticillioides</i> and their toxicity on tumor cell lines.....	55
KAMOUN OMAMA ¹ , WAJDI AYADI ¹ , CHRISTELLE HARSCOAT ² , RAPHAELLE SAVOIRE ² , PASCALE SUBRA ² , ALI GARGOURI ¹ , ABESSATTAR HADJ SASSI ² , HELA TRIGUI-LAHIANI ¹	55
C. Orale n°:101	56
SLIMY ASPECT OF COCCAL LACTIC ACID BACTERIA	56
KERSANI IMÈNE., ZADI-KARAM HALIMA., KARAM NOUR-EDDINE.....	56
C. Orale n°:102.....	56
IMPACT D'ADDITION DES EXTRAITS PHENOLIQUES DE THYMUS VULGARIS L SUR QUALITÉ DE YAOURT	56
KHELIFI HAROUN ^{1,*} , D. AIT SAADA ¹ , A.M.A BEKADA ² ET N. DEHIMECHE ³	56
C. Orale n°:103.....	57
Caractérisation des microalgues d'intérêt nutritionnel et application dans la formulation d'un nouveau produit : « Ricotta enrichie aux microalgues ».....	57
KHEMIRI SHEYMA, NADIA BERREJEB, ISSAM SMAALI, NADIA KHELIFI	57
C. Orale n°:104	57
Application of functionalized nanoparticles in the field of biosensors.....	57
KORDOGHLI IMENE ^A , MOHSEN HANANA ^B , RAPHAËL SCHNEIDER ^C AND AHMED HICHEM HAMZAOUI ^A	57
C. Orale n°:105.....	58
CHARACTERIZATION AND KINETIC STUDY OF AN IMMOBILIZED β -AMYLASE EXTRACTED FROM PERGULARIA TOMENTOSA	58
LAHMAR IMEN ^{1,4*} , GRETA RADEVA ² , DESSISLAVA MARINKOVA ¹ , MAYA VELITCHKOVA ³ , HAFEDH BELGHITH ⁵ , FERJANI BEN ABDALLAH ⁴ , LYUBOV YOTOVA ¹ , KARIMA BELGHITH ⁶	58
C. Orale n°:106	58
antioxidant and analgesic effect of leaves methanolic extract of <i>Asphodelus microcarpus</i> and their relation with flavonoid and phenolic contents	58
MAYOUF NOZHA, LEKHMICI ARRAR, SOULEF SAOUDI, AND ABDERRAHMANE BAGHIANI	58

C. Orale n°:107	59
Evaluation of the biotechnological potential of a novel purified protease BS1 from <i>Bacillus safensis</i> S406 on the chitin extraction and detergent formulation.....	59
MHAMDI SAMIHA, INTIDHAR BKHAIRIA, RIM NASRI,TAHAR MECHICHI, MONCEF NASRI, ALYA SELLAMI KAMOUN.....	59
C. Orale n°:108	59
ISOLATION AND CHARACTERIZATION OF ENTOMOPATHOGENIC FUNGI FROM TUNISIEN SOIL.....	59
MSEDDI JIHEN, TRIKI YAHYA, BEN FARHAT DALEL, TOUNSI SLIM AND AZZOZ HICHEM.....	59
C. Orale n°:109	60
Active food packaging based on Poly(lactic acid) and essential oils.....	60
YAHYAOUI MARWA ^{A,B,C} , OIHANA GORDOBIL ^C , RENE HERRERA DIAZ ^C , MANEF ABDERRABBA ^A , JALEL LABIDI ^C	60
C. Orale n°:110	60
Production and characterization of a newly bioemulsifier produced by <i>Marinobacter hydrocarbonoclasticus</i> Sdk644	60
ZENATI BILLAL ^{1,2} , SOUMYA AMIRI ² , DJAOUIDA MAGBI ² , KAMEL EDDOUAOUDA ² , HOUCINE BOUTOUMI ² , MOHAMED EL-HATTAB ² , ABDELMALEK BADIS ²	60
C. Orale n°:111.....	61
Characterization and biological control of clementine trunk and branch canker caused by <i>Phytophthora citrophthora</i> in Tunisia	61
ZOUAOUI MOHAMED ¹ , MAROUA WESLATI ¹ , NASR BEN ABDELALI ³ , MOHAMED RABEH HAJLAOUI ² , *NAJLA SADFI ZOUAOUI ¹	61
ENVIRONNEMENT	
C. Orale n°:112	63
Surface Plasmon effect of Silver nanoparticles on renewable energy	63
ATYAOUI MALEK ¹ , BEN AMARA TEYSSIR ¹ , WISSEM DIMASSI ² AND HATEM EZZAOUIA	63
C. Orale n°:113	63
The environment in all its forms	63
BOUFERSAOUI ABDELKADER	63
C. Orale n°:114	64
THE EFFECT OF THE ADDITION OF DIFFERENT AGRICULTURAL WASTES IN SOIL ON THE CARBON STORAGE AND CO ₂ EMISSION	64
CHAKER RAYDA ^{1,2} , KAMEL GARGOURI ² , HADDA MBAREK ³ , FATMA BARAKET ¹ , SAMEH MAKTOUF ² , NABIL SOUA ¹ , MOUNA KHLIFI ² , JALEL BOUZID ¹	64
C. Orale n°:115	64
Silver nanoparticles: Biogenic synthesis and antibacterial effect	64
CHOURABI KALTHOUM ¹ , ABDELWAHEB CHATTI ^{1,2}	64

C. Orale n°:116	65
BIOCONTROL OF WHEAT FUSARIUMCROWN AND ROOT ROT BY TRICHODERMASTRAINS.....	65
DENDOUGA WASSILA ¹ , BOUREGHDA HOUDA ² & BELHAMRA MOHAMED ¹	65
C. Orale n°:117.....	65
Biochemical properties of novel dye-decolorizing heme peroxidases from the white-rot fungi for lignin biodegradation	65
JAOUADI BASSEM ^{1,*} , H REKIK ¹ , N ZARAI JAOUADI ¹ , K BOUACEM ² , A BOUANANE-DARENFED ² , BILAL ZENATI ³ , SIDALI KOURDALI ³ , M EL HATTAB ⁴ , S BEJAR ¹ , R ANNANE ³ & A BADIS ^{3,4}	65
C. Orale n°:118	66
ADSORPTION OF CONGO RED FROM AQUEOUS SOLUTIONS USING ALMOND SHELL: KINETIC AND EQUILIBRIUM STUDY	66
KACEM IMEN ^A , FATMA KALLEL ^A , MOHAMED KOUBAA ^B , SEMIA ELLOUZE CHAABOUNI ^{A,C}	66
C. Orale n°:119	66
METABOLIC DISTURBANCE AND DETERMINATION OF GST/GSH BIOMARQUERS ACTIVITY IN BIOINDICATOR PLANT	66
KHALDI FADILA ^(1,2) ,NEDJOUD GRARA ⁽³⁾ , NAILA MAIZI ⁽⁴⁾	66
C. Orale n°:120.....	67
INDUSTRIAL WASTE AND THEIR IMPACTS ON THE ENVIRONMENT AND PUBLIC HEALTH CASE OF FERTIAL -ANNABA	67
MADoui BACHIR EL MOUAZ, KAHIT IMEN, LEMMOUI MANEL, BOUTATA FATEH, BOUSLAMA ZIHAD.	67
C. Orale n°:121	67
Secretome analysis of a novel fungal strain <i>C. globosum</i> IMA1KJ472923 used for industrial textile wastewater bioremediation.....	67
MANAI IMENE ¹ , BALIGH MILADI ¹ , GUILEM BŒUF ² , FLORENCE POIRIER ³ , DIDIER LUTOMSKI ³ , MOKTAR HAMDI ¹ , HASSIB BOUALLAGUI ¹ , ABDELLATIF EL MSELMI ²	67
C. Orale n°:122	68
ACTIVITE ANTIBACTERIENNE DES EXTRAITS DE PLANTES INDIGENES DES ZONES ARIDES ET SEMI-ARIDES.....	68
MESSAOUDI MOHAMMED, SI TAYEB TAYEB, ADLI DJALALEDDINE HOUARI & MERAH MAROUA ..	68
C. Orale n°:123.....	68
EFFET DE DIFFERENTES ORIGINES ET CONDITIONS CLIMATIQUES SUR LES COMPOSES PHYTOCHIMIQUES DE L'OLIVIER, <i>OLEA EUROPAEA L</i>	68
SAIDANA-NAIJA DHOUHA, SAMIA BEN MANSOUR-GUEDDES, MOHAMED BRAHAM	68
C. Orale n°:124.....	69
Improvement of biohydrogen production from hyperthermophilic co-digestion of organic wastes (fruit –vegetable and fish wastes) by <i>Thermotoga maritima</i> in minimum medium	69
SAIDI RAFIKA ^{1,2*} , PIERRE POL LIEBGOTT ² , MOKTAR HAMDI ¹ , RICHARD AURIA ² AND HASSIB BOUALLAGUI ¹	69

C. Orale n°:125.....	69
AN EFFICIENT AND SIMPLE APPROACH FOR THE SYNTHESIS OF SOME NOVEL HYBRIDIZED QUINOLEINE-PYRAN DERIVATIVES	69
SANDELI ABDELKARIM, SAIDA BENZERKA, NAIMA KHIRI-MERIBOUT AND ABDELMADJID DEBECHE.	
	69
C. Orale n°:126.....	70
Secondary plant metabolisms as a reliable solution for the recognition of heavy metals in aqueous media.....	70
ZAZOUA ALI ^{A*} , NICOLE JAFFREZIC-RENAULT ^B	70
GENETIQUE & IMMUNOLOGIE	
C. Orale n°:127.....	72
Study of the resistance of the local cow population to abortions due to <i>Neospora caninum</i> . ..	72
ABDELTIF BESMA ^{1,2,3} F. GHALMI ^{1,2} , S. TENNAH ^{1,2} , N. AZZAG ^{1,2} , S.Y. DERDOUR ^{1,2} , F. HAFSI ^{1,2} , A. LAAMARI ^{1,2}	72
C. Orale n°:128.....	72
Evolutionary and demographic history among <i>Avena strigosa</i> accessions based on the nucleotide sequences of the chloroplast DNA barcode <i>trnH-psbA</i>	72
AMARI MARWEN ¹ , CHARFEDDINE AMINA ¹ , CHAKROUN MOHAMED ² , TRIFI-FARAH NEILA ¹ ET GHARIANI SALMA ^{1*}	72
C. Orale n°:129.....	73
MOLECULAR POLYMORPHISM STUDY OF EIGHT SPECIES OF CITRUS L. GENUS IN TUNISIA USING IRAP MARKERS.....	73
AOUNALLAH AYMEN ¹ , MAHJBI AYMEN ¹ , OUESLATI AMEL ¹ , SALHI-HANNACHI AMEL ¹ AND BARAKET GHADA ¹	73
C. Orale n°:130.....	73
PARKINSON'S DISEASE IN TUNISIA: HOW WE ARE GENETICALLY DISTINCT FROM OTHER POPULATIONS.....	73
BEN ROMDHAN SAWSSAN ^{1,2} , SUZANNE LESAGE ¹ , NOUHA FARHAT ² , MARIEM DAMMAK ² , GIOVANNI STEVANIN ¹ , ALEXIS BRICE ¹ , CHOKRI MHIRI ²	73
C. Orale n°:131	74
Mutagenesis induction for Biomass, lipid and carotenoids pigment production of the marine yeast <i>Rhodotorula muciliginosa</i> RmTun15	74
BESSADOK BOUTHEINA ^{1,2} AND SALOUA SADOK ¹	74
C. Orale n°:132.....	74
S-GENOTYPE PROFILES OF TUNISIAN APRICOT (<i>PRUNUS ARMENIACA L.</i>) GERMPLASM	74
BOUBAKRI AYDA, MOHAMED-AMINE BATNINI, LAMIA KRICHEN, NEILA TRIFI-FARAH AND HEDIA BOURGUIBA.....	74

C. Orale n°:133	75
Deux nouvelles mutations du gène BEST1 responsables de deux formes différentes de dystrophie maculaire dans deux familles Tunisiennes	75
CHIBANI ZOHRA¹, IMEN ABID², NEILA BELGHITH³, JAMEL FEKI², MOUNIRA HMANI-AIFA¹	75
C. Orale n°:134	75
ASSOCIATION OF HNF1A GENE VARIANTS WITH METABOLIC SYNDROME: A CASE/CONTROL STUDY IN THE TUNISIAN POPULATION	75
DALLALI HAMZA ^{1,3} , MERIEM HECHMI ^{1,3} , SAHAR ELOUEJ ^{1,4} , HAIFA JMEL ^{1,3} , YOSSRA BEN HALIMA ^{1,2} , MAJDI NAGARA ^{1,4} , MARIEM CHARGUI ^{1,2} , INES KAMOUN ⁵ , ZINET TURKI ⁵ , ABDELMAJID ABID ^{1,5} , SONIA BAHRI ⁶ , AFAF BAHLOUS ⁶ , RAMON GOMIS ⁷ , ABDELHAMID BARAKET ⁸ , FLORIN GRIGORESCU ⁹ , CHRISTOPHE NORMAND ⁹ , HENDA JAMOUSSI ^{1,5} , SONIA ABDELHAK ^{1,2} , RYM KEFI ^{1,2}	75
C. Orale n°:135	76
Lack of association of Leptin gene variants in Tunisian Arab women with polycystic ovary syndrome	76
DALLEL MERIEM ¹ , ZAINEB DOUMA ¹ , SAMEH SARRAY ² , DHAFER BEN LETAIFA ³ , TOUHAMI MAHJOUB ¹ , WASSIM ALMAWI ²	76
C. Orale n°:136	76
GENETIC DIVERSITY AND MOLECULAR POLYMORPHISM IN TUNISIAN POPULATIONS OF CORK OAK (<i>Quercus suber</i> L.) BASED ON CDDP MOLECULAR MARKERS	76
ELHABASSI ASMA ¹ , AMEL SALHI HANNACHI ¹ , HELA SAKKA ^{1,2*}	76
C. Orale n°:137	77
ETUDE MORPHOLOGIQUE DES ACCESSIONS MALES DE PALMIER DATTIER TUNISIEN (<i>PHOENIX DACTYLIFERA</i> L.)	77
HACHEF AFIFA ¹ , EMIRA CHERIF ^{1,2} , MOHAMED BEN SALAH ² , AMEL SALHI-HANNACHI ¹ , SALWA ZEHDI-AZOUZI ^{1*}	77
C. Orale n°:138	77
Genetic association based on SRAP markers and agro-morphological traits in <i>Coronilla scorpioides</i> germplasms using bulk DNA templates	77
AKHMETI LAMIA, SDOUGADORRA, KABTNISOUHIR, TRIFI-FARAH NEILA, MARGHALI SONIA	77
C. Orale n°:139	78
Genetic Diversity of Sunflower Broomrape Populations from Tunisia	78
JEBRI MALEK ^{1,*} , BEN K. MEKKI ^{1,2} , FAKHFAKH HATEM ^{1,2} , BEGOÑA PEREZ-VICH ³ , LEONARDO VELASCO ³	78
C. Orale n°:140	78
Distribution and domain organization of the lectin superfamily in chickpea	78
KLAI KHOLOUD ^{1,*} , SALMA DJEBBI ¹ , WIEM BEN AMARA ¹ , MOHAMED MAKNI ¹ , MAHA MEZGHANI-KHEMAKHEM ¹	78
C. Orale n°:141	79
Clinical, Molecular and Computational Analysis in two cases with mitochondrial encephalomyopathy associated with SUCLG1 mutation in a consanguineous family	79
MAALEJ MARWA ^{A,B} , AMEL TEJ ^C , JIHENE BOUGUILA ^C , SAMIA TILOUCHE ^C , SENDA MAJDOUN ^D , EMNA MKAOUAR-REBAI ^A , LEILA KESKES ^B , LAMIA BOUGHAMOURA ^C AND FAIZA FAKHFAKH ^A	79

C. Orale n°:142.....	79
A CNV MAP OF THE TUNISIAN POPULATION	79
ROMDHANE LILIA ^{1,2} , SAIDA LAHBIB ¹ , HAMZA DALLALI ¹ , RYM KEFI ¹ , SAFA ROMDHANE ¹ , LOTFI CHOUCHANE ³ , SONIA ABDELHAK ¹	79
C. Orale n°:143.....	80
Fruit morphological study of Kerkennah Islandsinsular Tunisian date palm (<i>Phoenix dactylifera</i> .L) SAFFAR WEJDENE ¹ , EMIRA CHERIF ^{1, 2} , AFIFA HACHEF ¹ , ET SALWA ZEHDI-AZOUZI ^{1*}	80
 	80
C. Orale n°:144	80
CARACTERISATION DE L'EXPRESSION DES micro-ARN DANS LE CANCER DE LA PROSTATE EN TUNISIE.....	80
SAID RAHMA ^{1,5*} , YOELISIS GRACIA MAYEA, ¹ NOUHA SETTI BOUBAKER, ³ AHLEM BLEL, ³ SOUMAYA RAMMEH, ⁴ AMINE DEROUICHE, ⁴ MOHAMED CHEBIL, ² MATILDE ELLEONART, ¹ SLAH OUERHANI	80
C. Orale n°:145.....	81
Association of FGF2 variant with Proliferative Diabetic Retinopathy independent from FGF1 and Metabolic Syndrome in Tunisian population	81
SELLAMI NEJLA ^{A,B} , LAILA BEN LAMINE ^A , GHORBEL MOUHAMED ^C , HAJER BEN AMOR ^D , SARA HAYDAR ^E , FLORIN GRIGORESCU ^E AND TOUHEMI MAHJOUB ^A	81
C. Orale n°:146	81
THE SIGNIFICANCE OF LET-7C AND MIR-143 EXPRESSION IN BLADDER CANCER IN TUNISIA.....	81
SETTI BOUBAKER NOUHA ¹ , AYMONE GURTNER ^{2*} , R. SAID ^{1*} , LUCIA CICHILLITI ⁵ , H. AYED ² , A BLEL ³ , O KARRY ² , A SAADI ² , M GHARBI ² , SRAMMEH ROMMENI ³ , M CHEBIL ² , GIULIA PIAGGIO ⁴ , S OUERHANI ¹ .	81
C. Orale n°:147.....	82
Exploration cytogénétique et moléculaire d'un CAS DE DYSMORPHIE ASSOCIEE A UN RETARD MENTAL.....	82
TOUHAMI RAHMA ¹ , HAJER FODDHA ¹ , NADIA LEBAN ¹ , SARRA DIMASSI ² , DORRA HMIDA ² , ALI SAAD ² , DAMIEN SANLAVILLE, JEMNI BEN CHIBANI ¹ , AMEL HAJ KHELIL ¹	82
C. Orale n°:148	82
Etude de l'immunoscore comme marqueur pronostique et prédictif dans la prise en charge des cancers colorectaux	82
TRABELSI MONA ^A , FATENFARAH ^B , MAHER KHARRAT ^A	82
C. Orale n°:149	83
Mariner like element annotation and dynamics in the genome of <i>Bemisia tabaci</i>	83
ZIDI MARWA ^{1*} , WIEM BEN AMARA, SALMA DJEBBI, MOHAMED MAKNI AND MAHA MEZGHANI-KHEMAKHEM ¹	83
<u>MICROBIOLOGIE & VIROLOGIE</u>	
C. Orale n°:150.....	85
ROLE OF AN ANCIENT BACTERIAL SIGNALING PATHWAY IN PLANT IMMUNITY	85
ABDELKEFI HELA. ¹² , SUGLIANI M. ² , KE H. ² , FAKHFAKH H. ¹ , ROBAGLIA C. ² AND FIELD B. ²	85

C. Orale n°:151	85
PHENOTYPIC AND MOLECULAR CHARACTERIZATION OF CLINICAL STRAINS OF <i>Streptococcus agalactiae</i> INSULATED IN GUELMA, ALGERIA AND MARSEILLE, FRANCE IDENTIFIED BY MALDI-TOF MS.....	85
BERGAL AMIRA ^{1,2*} , BENOUARETH DJAMEL EDDINE ² , BENTORKI AHMED AYMEN ³ , LOUCIF LOTFI ¹ , ABAT CEDRIC ¹ ET ROLAIN JEAN MARC ¹	85
C. Orale n°:152	86
HUMAN METAPNEUMOVIRUS A/B ACUTE RESPIRATORY INFECTIONS IN CHILDREN IN A CENTRAL-EAST REGION OF TUNISIA.....	86
BRINI INES (1,2,3,4), NAILA HANNACHI (1,2), AIDA GUERRERO (5), JIHENE BOUGUILA (6), AMIRA BOUHLEL (6), LAMIA BOUGHAMOURA (6), BENJAMIN HETZER (4), WEGENE BORENA (5), DOROTHEE VON LAER (5), JALEL BOUKADIDA (1,2) AND HERIBERT STOIBER (5).....	86
C. Orale n°:153	86
PREVALENCE OF EXTENDED- SPECTRUM β -LACTAMASES PRODUCING ENTEROBACTERIACEAE IN SHEEP MEAT MARKETED AT TEBESSA- ALGERIA.....	86
DEBABZA MANEL ¹ , MECHAI ABDELBASSET ^{1,2} , BOUAZZA SARA ¹ , BOUAKKA NESRINE ¹	86
C. Orale n°:154	87
POTENTIAL OF AN ENDOPHYTIC BACTERIA IN TOMATO GROWTH PROMOTION AND PROTECTION AGAINST VERTICILLIUM WILT DISEASE	87
DHOUBI-FEKI HANEN, TOUNSI SLIM	87
C. Orale n°:155	87
RAPID DIAGNOSIS OF MYCOBACTERIUM TUBERCULOSIS BY GENE EXPERT MTB/RIF ASSAY IN WESTERN ALGERIA	87
GUENAQUI KHEIRA ¹ ., HARIR N ¹ ., CHAMA Z ² ., MEKKIOU Z ² ., ZEGGAI S ² ., BOUCHACHIA S. ²	87
C. Orale n°:156	88
PRODUCTION AND CHARACTERIZATION OF LICHENYSIN BIOSURFACTANTS FROM A MARINE BACILLUS LICHENIFORMIS STRAIN PYR2.....	88
HENTATI DORRA *, NEILA MAKHLOUF, ASMA MAHMOUDI, SAMI SAYADI, MOHAMED CHAMKHA..	88
C. Orale n°:157	88
SYNERGISTIC INTERACTION OF ETHYL ACETATE FRACTION OF EMEX SPINOSA AND COMMERCIAL ANTIBIOTICS AGAINST PATHOGENIC BACTERIA.....	88
MAKNI SAMAR, KARAMA ZOUARI BOUASSIDA, YOSRA KAHLA, IMEN ZOUARI, MOHAMED TRIGUI, SLIM TOUNSI	88
C. Orale n°:158	89
COMPOSITION CHIMIQUE ET ACTIVITE ANTIBACTERIENNE DE L'HUILE ESSSENTIELLE D'ORIGAN (ORIGANUM COMPACTUM) ET CELLE DE LA CORIANDRE (CORIANDRUM SATIVUM) CONTRE 40 SOUCHE AVIAIRES D'E.COLI.....	89
MANSOURI NARIMEYE ¹ , LEILA AOUN ² , NABILA DALICHAOUCHE ³ , HADRI DOUNIAZED ⁴	89
C. Orale n°:159	89
Circulation du virus West Nile chez l'avifaune sauvage en Algérie.....	89
MEDROUH BACHIR ¹ , C. BECK ² , S. LECOLLINET ² , S.LAFRI ¹ , F. GHALMI ³	89

C. Orale n°:160	90
Biological activities of some Algerian olive oil samples.....	90
METLEF SARRA ¹ , ZIDANE AZDINIA ² BENALI ALI ³ ,DILMI-BOURAS ABDELKADER ⁴ ,,,	90
C. Orale n°:161	90
A large diversity of lactic acid bacteria species is involved in the fermentation of wheat used for the manufacture of couscous el hammoum.....	90
MOKHTARI SARA*,.....	90
C. Orale n°:162.....	91
Evaluation of the antifungal activity of <i>Shinus molle L.</i>	91
MOUMEN CHENTOUF OUAHIBA ;TADJEDDINE NADIA ; OULD ALI OURDIA ; SELKA AMINA	91
C. Orale n°:163.....	91
LUPINUS MICRANTHUS IS NODULATED IN TUNISIA BY A NEW SYMBIOVAR "LUPINAE" WITHIN THE GENERA BRADYRHIZOBIUM	91
MSADDAK ABDELHAKIM, MARS MOHAMED AND REJILI MOKHTAR.....	91
C. Orale n°:164	92
Characterization and biological control of Citrus blast and citrus black pit caused by <i>Pseudomonas syringae</i> in Tunisia	92
OUESLATI MAROUA ¹ , ZOUAOUI MOHAMED ¹ , ABDELALI NASR ³ , HAJLAoui MOHAMED RABEH ^{2,*} , SADFI-ZOUAOUI NAJLA ¹	92
C. Orale n°:165.....	92
Halophilic archaea isolated from Algerian Sahara: Characterization and antimicrobial potential	92
QUADRI INES ^{A,B} , IMENE IKRAME HASSANI ^A , MEKNACI RIMA ^A , STEPHANEL "HARIDON" ^B , HOCINE HACENE ^A , MOHAMED JEBBAR ^B	92
C. Orale n°:166	93
Study of the seroprevalence of <i>Anaplasma</i> spp. In goat farms of the North-East region of Algeria.	93
REGHAISSIA NASSIBA ¹ , AZZAG NAOUELLE ¹ , GHALMI FARIDA ¹	93
C. Orale n°:167.....	93
BIOLOGICAL DIVERSITY AND PATHOGENICITY OF <i>COLLETOTRICHUM GLOEOSPORIOIDES</i> , CAUSAL AGENT OF CITRUS ANTHRACNOSE IN TUNISIA.....	93
SAADANI MARIEM ¹ , BOCHRA AMINA BAHRI ¹ , GHAYA MECHICHI ¹ , WAFA ROUSSI ²	93
C. Orale n°:168	94
EFFECTS OF SELENIUM ON OXIDATIVE DAMAGE AND ANTIOXIDANT ENZYMES OF EUKARYOTIC CELLS: WINE SACCHAROMYCES CEREVISIAE	94
TALBI WAFA ^{1,2} ,TESNIME GHAZOUANI ¹ , DANIELA BRACONI ³ ,RIM BEN ABDALLAH ¹ , FATEH RABOUDI ⁴ , ANNALISA SANTUCCI ³ AND SAMI FATTOUCH ¹	94
C. Orale n°:169	94
Sequence analysis of potato virus Y (PVY) strains from Tunisia.....	94
TAYAHI MONIA ¹ , C. GHARSALLAH ¹ , N. KHAMASSY ² , H. FAKHFAKH ^{1,3} AND F. DJILANI-KHOUADJA ^{1,4}	94

C. Orale n°:170.....	95
Characterization of the Melon Necrotic Spot Virus strains in Tunisia	95
WERGHI SIRINE¹, CHARFEDDINE GHARSALLAH¹, HATEM FAKHFAKH^{1,2}, FATENGORSANE^{1,2}	95
C. Orale n°:171.....	95
POUVOIR DE CONVERSION DE L'ACIDE LINOLEIQUE EN ISOMERES CONJUGUES PAR LES	
BACTERIES PROBIOTIQUES	95
ZIAR HASNIA¹, PHILIPPE GERARD², SOPHIE LAVERROUX³, MICHEL DOREAU³ ET ALI RIAZI¹ ...	95
C. Orale n°:172.....	96
Évaluation <i>in vitro</i> du potentiel probiotique de <i>Pediococcus pentosaceus</i> MZF16, isolé d'un produit	
carné artisanal « Ossban séché ».....	96
ZOMMITI MOHAMED¹, KHALED SEBEI¹, NATHALIE CONNIL², MOUNIR FERCHICHI^{1,3}	96
 <u>TOXICOLOGIE & PHARMACOLOGIE</u>	
 C. Orale n°:173.....	98
Therapeutic potential of <i>Phoenix dactylifera</i> L. sap on bleomycin-induced pulmonary fibrosis in wistar rats: Phytochemical, histological and oxidative assessment.	98
BAHRI SANA^{A,B*}, ABDENNABI RAED^{C,D}, BEN ALI RIDHA^E, MLIKA MONA^F, GHARSALLAH NEJI^D,	
JAMELEDDINE SALOUA^{A,B}	98
 C. Orale n°:174.....	98
ANALGESIC, BEHAVIORAL EFFECTS AND CHRONIC TOXICITY OF THE NEW 3,5-DIAMINOPYRAZOLE	
AND THE THIOCYANOACETAMIDE.....	98
BEN ALI RIDHA^A, AMAL BEN OTHMAN^A, KHOULLOUD BOKRI^B, SAMIRA MAGHRAOUI^C, ADEL HAJRI^D,	
AZAIEZ BEN AKACHA^B, CHADLI DZIRI^A, MICHELE VERONIQUE EL MAY^{A,E}	98
 C. Orale n°:175.....	99
IPECAC INFUSION: ASSESSING POLYPHENOLS BIOACCESSIBILITY, BIOAVAILABILITY AND	
ANTIOXIDANT POTENTIAL USING AN IN VITRO DIGESTION SYSTEM AND A CACO₂ CELL MODEL.	99
BEN HLEL TAKOUE^{A,B}, THAYS BORGES^C, ASCENCION RUEDA^C, ISSAM SMAALI^A, ISABEL SEIQUER^C	
AND MOHAMED NEJIB MARZOUKI^A	99
 C. Orale n°:176.....	99
SYNTHESE ET ETUDE DE L'ACTIVITE ANTIBACTERIENNE DE NOUVEAUX DERIVES THIAZOLIQUES	99
BOUHERROU HOURIA¹, YAHIA RACHEDI¹, AHMED ABDERRAHMANI², LAMIA ABDELLAZIZ² AND	
FRANÇOISE DUMAS³	99
 C. Orale n°:177.....	100
Impact of a formulation based on extracts of two medicinal plants from the Mascara region on	
<i>Candida albicans</i> clinically isolated.....	100
BOUKHENNOUFA ASMA¹, B. MEDDAH¹, A.T.MEDDAH¹ ET J. A PELLICER²	100

**C. ORALE N°:183.**

C. Orale n°:178	100
Shelf life of cooked cold smoked Mediterranean mussels (<i>Mytilus galloprovincialis</i>): Evaluation of the sensory, microbiological, chemical and biochemical attributes.....	100
CHERIFI HELA ^{1,2} & SALOUA SADOK ^{1,2*}	100
C. Orale n°:179	101
Effet de traitement thermique sur l'activité anti-oxydante et anti-tumorale de mesquitol vis-à-vis des cellules de glioblastome U87	101
EL GUEDER DORRAA,B, RIHEB KHLIFIA, AIDA LAHMARA, HIND CHaabanc, IRINA LOANNOUC, MOHAMED GHOUlc, LUIS JOSED, KAMEL GHEDIRAA, LEILA CHEKIR GHEDIRAA,	
.....	10
1	
C. Orale n°:180.....	101
Protective effect of pomegranate bark extract against aluminum-induced cognitive impairments.	101
GADOUCHE LEILA, NOUREDDINE DJEBLI, AND KHAYRA ZERROUKI	101
C. Orale n°:181.....	102
Evaluation de l'effet cicatrisant de certaines huiles tunisiennes.....	102
MOALLA REKIK DORSAF ¹ , SAMEH BEN KHEDIR ² , NEILA JARDAK ² , TAREK REBAI ² , ZOUHEIR SAHNOUN ¹	
.....	10
2	
C. Orale n°:182	102
Total Polyphenol, Flavonoid, and Proanthocyanidine Contents and In Vitro Antioxidant, Antimicrobial, and Anti-enzymatic Activities of Inula Graveolens Extracts Collected from Chebba (Tunisia) Salt Marsh Coast	102
SELLEM IMEN *, AHLEM CHAKCHOUK-MTIBAA, LOTFI MELLOULI	102
C. Orale n°:183	103
IN VIVO STUDY OF THE ANTIPARKINSONIAN EFFECT OF QUERCUS SUBER (EXPERIMENTAL STUDY IN MICE).....	103
ZERROUKI KHAYRA ^{1,2} , NOUREDDINE DJEBLI ² AND LEILA GADOUCHE ²	103