

5th ICSAE 2018
International Conference on Sustainable Agriculture and Environment
City of HAMMADET - TUNISIA

(ICSAE-5)

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5th International Conference on Sustainable Agriculture and Environment

2018

8-10 October
Hôtel Méhari,
City of Hammamet, Tunisia

PROGRAMME

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Logos of participating organizations: UNS (Université de Sfax), SELÇUK UNIVERSITY, ESAM (الجمعية التونسية للعلوم الزراعية), IRESA (International Research Institute for Sustainable Agriculture), ICARDA (International Center for Agricultural Research in the Dry Areas), Istanbul GEDİK University, and Benali College.

CONFERENCE PROGRAM	
October 8, MONDAY Diar Lemdina Hotel, City of Hammamet, Tunisia Saloon 1 – AMPHITHEATER CESAR	
Time	Speakers
9:00	<ul style="list-style-type: none"> ➤ Dr. Slim Slim - Conference Chair Vegetable Production, School of Higher Education in Agriculture of Mateur, Carthage University, Tunisia ➤ Dr. Mithat Direk - Conference Chair Agricultural Economy, Selcuk University, Konya, Turkey ➤ Dr. Ahmad Yunus - Conference Co-Chair Agronomy (Agroecotechnology), Sebelas Maret University, Indonesia
9:20	<ul style="list-style-type: none"> ➤ Dr. Elies Hamza President, Institution of Agricultural Research and Higher Education (IRESA), Tunisia
9:30	<ul style="list-style-type: none"> ➤ Dr. Olfa Benouda Sioud President, Carthage University, Tunisia
9:40	<ul style="list-style-type: none"> ➤ Dr. Gouider Tibaoui Director, School of higher education in agriculture of Mateur, Tunisia
9:50	<ul style="list-style-type: none"> ➤ Dr. Sami Mili Director, Higher Institute of Fisheries and Aquaculture of Bizerte, Tunisia
10:00	<ul style="list-style-type: none"> ➤ Mr. Atef Dhahri Présentation des actions de la GIZ en Tunisie en faveur d'une agriculture durable
10:10	<ul style="list-style-type: none"> ➤ Dr. Gianluca Pizzuti The recent experimentation of basalt in sustainable agriculture in Tunisia and Italy.
10:20	<ul style="list-style-type: none"> ➤ Dr. Burton L. Johnson - Keynote Speaker Increasing agricultural sustainability while providing food for an increasing world population Plant Science, North Dakota State University, Fargo, ND, USA
11:05	Coffee Break- 15 minutes
11:20	<ul style="list-style-type: none"> ➤ Dr. Hichem Ben Salem - Keynote Speaker Adaptation of livestock production systems to water scarcity and salinization under the context of climate change General Director Institution of Agricultural Research and Higher Education (IRESA),
12:05	END Technical sessions will start at 14:00.

TECHNICAL SESSIONS – October 8, MONDAY – Saloon 1 – CESAR 1, **Afternoon**

Session name		Horticulture and Plants Production
Moderator		Dr. Mounir Louhaichi
Assistant Moderator		Dr. Fertouna Bellakhal Mouna
Time	Presentation Title	Authors & Institutions
14:00	Double fruit formation of sweet cherry (<i>Prunus avium</i>) in northern Tunisia	Azizi Thouraya, Ammari Youssef National research institute in rural engineering, water and forests Tunisia
14:15	The effects of soil and foliar applications of humic acid on some quality criteria in Sultani seedless grapes (<i>Vitis vinifera L.</i>)	Senay Aydin, E. Dilsat Yegenoglu Manisa Celal Bayar University Alasehir Vocational School, Turkey
14:30	Effect of thermal stress (low temperatures) on the accumulation of proline, sugars in some grassland species (grasses and legumes)	N. Tedjari, K. Abbas, C. Mouffok Department of Biology, University Ferhat Abbas, Sétif, Algéria. INRA, Unit of Setif, Algéria. Department of Agronomy, University Ferhat Abbas, Agéria.
14:45	Evaluation of drought tolerance indices for the selection of barley (<i>Hordeum vulgare.L</i>) cultivars	Wejden Brahmi, Anissa Sahli, Yosr Arbi, Ali Ltifi Laboratory of Biotechnology Applied to Agriculture, National Institute of Agronomic Research of Tunisia (INRAT), Tunisia.
15:00	Differences in phosphorus, phytate contents and phytase activity during germination of hydroponic barley (<i>Horedeum vulgare L.</i>) cultivars	Bouajila A., Ammar H., Hamdi Z., Khechini J., Zaidi S., Lopez S., Abdelwahed Ghorbel Centre de Biotechnologie de Borj-Cédria, Hammam-Lif, Tunisia. Ecole Supérieure d'Agriculture de Mograne-IRESA, Mograne-Zaghouan, Tunisia; Institut Supérieur des Sciences Appliquées et de Technologie de Mahdia, Tunisia. Instituto de Ganadería de Montaña (CSIC-Universidad de León), León, Spain.
15:15	Study of spray retention on globe artichoke and soil of fluorescent tracer brilliant sulfoflavine on filed condition and wind tunnel in Tunisian conditions	Asma Allagui, Hassouna Bahrouni, Youssef M Sadak, Aymen Ouni, Mohamed A. B. Abdallahi National Institute of Research in Rural Engineering, Water and Forestry (INRGREF), University of Carthage, Tunisia. Higher Institute of Agronomic Sciences in Chott Mariem, University of Sousse, Tunisia. Technical Center of Potato and Globe Artichoke, Tunisia.
15:30	Quality of tomato in different levels of zinc as foliar application	Sakya A. T., Sulandjari, Yeyen A.K. Department of Agrotechnology, Sebelas Maret University, Surakarta, Indonesia.
15:30 – 16:00		Networking Break- 30 minutes

TECHNICAL SESSIONS – October 8, MONDAY – Saloon 1 – CESAR 1, Afternoon

Session name		Integrated Pest Management and Fertilizer Application
Moderator		Dr. Ahmad Yunus
Assistant Moderator		Dr. Halis Simsek
Time	Presentation Title	Authors & Institutions
16:00	Effect of a biofertilizer on the biochemical composition of a variety of industrial tomato (<i>Solanum lycopersicum</i> L.)	Lila Abidi, Sid Ahmed Snoussi, Maria Stela Bradea Khemis Miliiana University. Department of Agronomy. Algeria. University of Blida1, Department of Biotechnology, Research laboratory of plants productions, Algeria.
16:15	Green manure based on Fodder radish (<i>Raphanus sativus</i> L.) residues as an eco-friendly alternative for potato growth enhancement and wilt suppression	Hayfa Jabnoun-Khiareddine, Rania Aydi Ben Abdallah, Fakher Ayed, Mouna Gueddes-Chahed, Ahmed Hajlaoui, and Mejda Daami-Remadi UR13AGR09-Integrated Horticultural Production in the Tunisian Centre-East, Regional Research Centre on Horticulture and Organic Agriculture, University of Sousse, Chott-Mariem, Tunisia. Technical Center of Organic Agriculture, Chott-Mariem, Tunisia.
16:30	Actions antropiques sur les pucerons d'agrumes	Boukoftane A., Benrima-Guendouz A. Université SAAD DAHLEB, Algérie.
16:45	How to prevent the appearance of gregarious hatchlings in responses to endocrine changes in <i>Locusta migratoria</i> ?	Amel Ben Hamouda, Seiji Tanaka, Mohamed Ammar, Abderrahmen Bouain, Mohamed Habib Ben Hamouda Locust Research Laboratory, National Institute of Agro-biological Sciences at Ohwashi (NIASO), Ohwashi 1-2, Tsukuba, Ibaraki, Japan. Faculty of Sciences of Gafsa, Sidi Ahmed Zarrouk, Gafsa, University of Gafsa, Tunisia. National Agronomic Institute of Tunisia, University of Carthage, Tunisia. Faculty of Sciences of Sfax, Sfax, University of Sfax, Tunisia
17:00	Evolutionary relationships of <i>Serratia symbiotica</i> living as symbiont of aphids	Sabrina Attia, Hajer Sahraoui, Kaouthar Grissa Lebdi, Thierry Hance National Agronomic Institute of Tunisia, Tunis, (UR : Bio-agresseurs et lutte intégrée en agriculture). University of Carthage, Tunisia Citrus Technical Center, Plant protection service, Beni Khalled, Tunisia. Catholic university of Louvain, louvain-la-Neuve. Belgium
17:15	Bio-acaricidal activity of hydrosols of three <i>lamiaceae</i> plant species against the two spotted spider mite <i>Tetranychus urticae</i> (Koch)	Sahraoui Hajer, Attia Sabrina, Othman Hafed, Rezgui Tarek, Jridi Mourad, Lebdi-Grissa Kaouther Centre Technique des Agrumes, Tunisie. Laboratoire de Recherche: Bio-agresseurs et lutte intégrée en agriculture (LR14AGR02), Institut National Agronomique de Tunisie, Université de Carthage) Institut Supérieur de Biotechnologie de Béja

TECHNICAL SESSIONS – October 8, MONDAY – Saloon 2 - CESAR 4, Afternoon

Session name		Biodiversity
Moderator		Dr. Bayrem Jemmali
Assistant Moderator		Dr. Ammar Hajer
Time	Presentation Title	Authors & Institutions
14:00	Morphological and phytochemical characterization of Tunisian melon landraces (<i>Cucumis melo</i> L.)	H. Chikh-Rouhou, R. Sta-Baba Centre Régional des Recherches en Horticulture et Agriculture Biologique (CRRHAB/IRESA), Chott-Mariem, Tunisia.
14:15	Investigation on the Tunisian donkey genetic diversity with DNA microsatellites	Mohamed Aroua, Bayrem Jemmali, Hatem Ouled Ahmed, Sana Khaldi, Samia Ben Said, Rania Baccouche, Mokhtar Mahouachi. National Agronomique de Tunisia, Tunisia. Ecole Supérieure d'Agriculture de Mateur, Université de Carthage, Tunisia. Laboratoire d'Analyse Génétique Animale, Institut de la Recherche Vétérinaire de Tunisie Ecole Nationale de Médecine Vétérinaire, Université de Mannouba, Tunisia. Ecole Supérieure d'Agriculture du Kef, Université de Jendouba, Tunisia
14:30	Potato cyst nematodes in Ain Defla region of Algeria: occurrence, population densities in soil and species identification	Tirchi Nadia, Mokabli Aissa Faculty of Natural Science and Life and Earth Sciences, University Khemis Miliana, Algeria
14:45	Molecular analysis of hardness genes in Bread wheat in Tunisia	Aymen Ezzine, Salma Ben Abdallah, Hnia Chograni, Rhouma Sayari, Issam Smaali Kef Higher School of Agriculture (ESAK), University of Jendouba, Le Kef, Tunisia. Laboratory of Protein Engineering and Bioactive Molecules (LIP-MB) LR11ES24; INSAT, University of Carthage, Tunisia.
15:00	Influence des traitements post pollinisation sur la production d'haploïdes de blé dur par croisement blé x maïs	Anissa Sahli, Wejden Brahmi, Ali Ltifi Institut National de la Recherche Agronomique de Tunisie, Tunisia.
15:15	Soil Arthropods associated with olive trees in Sfax Region (Tunisia)	Boutheina Lagneb, Ines Ksentini, Mohieddine Ksantini Laboratory of Genetic Resources of the Olive Tree: Characterization, Valorization and Phytosanitary Protection. Tunisian Olive Institute, University of Sfax, Tunisia.
15:30	Effects of agricultural burning practices on soil structure stability: Laboratory investigation	Khaled Ibrahimi, Abdelhamid Belaid Higher Institute of Agricultural Sciences of Chott-Mariem, The University of Sousse, Tunisia.
15:30 – 16:00		Networking Break- 30 minutes

TECHNICAL SESSIONS – October 8, MONDAY – Saloon 2 - CESAR 4, Afternoon

Session name		Agricultural Biotechnology
Moderator		Dr. Manel Ben Larbi
Assistant Moderator		Mr. Ahmet Direk
Time	Presentation Title	Authors & Institutions
16:00	Effectiveness of Ty-2 gene resistance as expressed in homozygous and heterozygous tomato genotypes	Mounira Elbaz, Monaam Timoumi, Peter Hanson UR13AGR09-Production Horticole Intégrée au Centre-Est Tunisien, Centre Régional des Recherches en Horticulture et Agriculture Biologique (CRRHAB/IRESA), Université de Sousse, Tunisia. The World Vegetable Center, Taiwan.
16:15	Performance of mentik wangi rice M3 from gamma ray irradiation	Dessya Putri Prasetyo, Parjanto, Nandariyah, Ahmad Yunus Undergraduate of Agrotechnology Study Program, Agriculture Faculty, Universitas Sebelas Maret, Surakarta, Indonesia, Lecturer of Agrotechnology Study Program, Agriculture Faculty, Universitas Sebelas Maret, Surakarta, Indonesia
16:30	Selection of short stem mentik susu rice M3 from gamma ray Irradiation	Dessy Rachmawati, Parjanto, Nandariyah, Ahmad Yunus Undergraduate of Agrotechnology Study Program, Agriculture Faculty, Universitas Sebelas Maret, Surakarta, Indonesia, Lecturer of Agrotechnology Study Program, Agriculture Faculty, Universitas Sebelas Maret, Surakarta, Indonesia
16:45	Induction of gamma radiation on Fe content in local black rice	Edi Purwanto, Amalia T. Sakya, Shafira K. Department of Agrotechnology, Sebelas Maret University, Jl. Ir. Sutami 36 A, Kentingan, Surakarta, , Indonesia
17:00	Valorisation des ressources génétiques ovines par l'identification de gènes candidats de prolificité	Jemmali B., Bedhiat-Romdhani S., Djemali M. Laboratoire d'Amélioration et de Développement Intégré de la Productivité Animale et des Ressources Alimentaires, Ecole Supérieure d'Agriculture de Mateur, Université de Carthage, Tunisie, Laboratoire des Productions Animales et Fourragères, INRA Tunisie Laboratoire-des-ressources-animales-et-alimentaires, INAT-TUNISIA
17:15	Effect of genetic polymorphism at the FGF2 gene on fertility traits in Tunisian Holstein dairy cattle.	Sihem Amiri, Bayrem Jemmali, Mohamed Amine Ferchichi, Abderrahmane Ben Gara National Agronomic Institution of Tunisia Laboratory of Improvement and Integrated Development of Animal Productivity and Food Resources, Higher School of Agriculture of Mateur, University of Carthage, Tunisia
17:30	Synthesis and study the physico-chemical properties of nano ZnO doping with different percentage of iron by sol-gel method with absence of surfactant	Wafaa A. Kadhim¹, Mohd Hasbi Bin Ab. Rahim Faculty of Oil Technology, University of Technology, Iraq Faculty of Industrial Sciences & Technology, Universiti Malaysia Pahang

TECHNICAL SESSIONS – October 8, MONDAY – Saloon 3 - CESAR 6, Afternoon

Session name		Integrated Agriculture Management
Moderator		Dr. Sana Dhane
Assistant Moderator		Dr. Hela Chikh-Rouhou
Time	Presentation Title	Authors & Institutions
14:00	Growth of corn plant under strip tillage compared to full width tillage in Middle Anatolia	Kazım Çarman, Ergün Çitil, Tamer Marakoğlu, K. Gür University of Selcuk, Faculty of Agriculture, Department of Agricultural Machinery and Technology Engineering Konya, Turkey
14:15	Determination of acid detergent fiber (ADF) in corn grain by using NIR technology	Ömer Gümüştas, İsmail Bayram Veterinary Surgeon, Ministry of Agriculture and Forestry Department of Animal Nutrition and Nutritional Disorders, Faculty of Veterinary Medicine, Afyon Kocatepe University, Turkey
14:30	Direct seeding applications in second crop maize production	Tamer Marakoğlu, Kazım Çarman Selcuk University Faculty of Agriculture Department of Agricultural Machinery and Technology Engineering, Turkey
14:45	Tillage effect on the dynamics of seed bank and weed flora	M. A. Feddal, Z. Mohammedi, D. Bougdal Laboratoire Maitrise de l'eau en agriculture. Département de Génie Rural, machinisme agricole et agro équipements, Ecole Nationale Supérieure Agronomique (ENSA), El Harrach, Alger
15:00	Effect of seeding rate on the yield of legume-cereal bi-crops in rainfed production systems of Afghanistan	Serkan Ates, Mounir Louhaichi, Sawsan Hassan, Harun Cicek, Shinan Kassar, Soofizada Qudratullah, Abdul Haq Farhang, Hayatullah Esmati Department of Animal and Rangeland Sciences, Oregon State University, USA. International Centre for Agricultural Research in the Dry Areas (ICARDA), Jordan. Research Institute of Organic Agriculture (FIBL), Switzerland Caritas, Tajikistan. Agriculture Adaptive Research (ARIA), Afghanistan; ICARDA, Afghanistan
15:15	Growth performance of beetal goat kids on dried sugar beet pulp based concentrate	Hassan Khan, Mian Faiz ul Hassan, Ghulam Habib Animal husbandry in-service training institute Peshawar, Pakistan. Directorate of Livestock Research & Development NWFP, Pakistan. Department of Animal Nutrition, NWFP Agricultural University Peshawar, Pakistan.
15:30	Can we talk about the sustainability of the dairy cattle farms in the Mitidja Plain?	Laribi Sabria, Lazerg Messaoud Associate Researcher , Cread, Bp n 197, Rostomia, Bouzréah, Algérie
15:30 – 16:00		Networking Break- 30 minutes

TECHNICAL SESSIONS – October 8, MONDAY – Saloon 3 - CESAR 6, Afternoon

Session name		Integrated Agriculture Management
Moderator		Dr. Houcine Selmi
Assistant Moderator		Dr. Rym Ennouri
Time	Presentation Title	Authors & Institutions
16:00	User management grassland in semi-arid area in Sétif	N. Tedjari, T. Madani, C. Mouffok, K. Abbas Department of Biology, University Ferhat Abbas, Sétif, Algéria Algeria INRA, Unit of Setif, Algéria Department of Agronomy, University Ferhat Abbas, sétif, Agéria
16:15	Pastoral improvement of Sbaihia Tunisian region in arid environmental conditions	Mounir Louhaichi, Oumaima Ben Rhomdhane, Slim Slim, Jamel Klaine, Mouldi Gamoun, Ates Serkan International Centre for Agricultural Research in the Dry Areas (ICARDA), Amman, Jordan. Research unit of Biodiversity and Valorization of Resources in Mountainous Areas (UR17AGR04), Higher School of Agriculture of Mateur, University of Carthage, Tunisia. General Directorate of forests, Tunisia Agriculture Ministry. International Centre for Agricultural Research in the Dry Areas (ICARDA), Tunisia. Department of Animal and Rangeland Sciences, Oregon State University, Corvallis, USA.
16:30	Impact of rhizobial inoculation on forage crops cultivated with minimal chemical inputs	S. Dhane Fitouri, S. Tounsi Hammami, A. Ben Romdhane, F. Ben Jeddi Ecole Supérieure d'Agriculture de Mateur, Tunisie. Institut National Agronomique de Tunisie.
16:45	Sclerotium collar rot suppression and tomato growth promotion achieved using different compost teas	Fakher Ayed, Hayfa Jabnoun-Khiareddine, Rania A. B. Abdallah, Mejda Daami-Remadi Integrated Horticultural Production in the Tunisian Centre-East, Regional Research Centre on Horticulture and Organic Agriculture, University of Sousse, Tunisia. National Agronomic Institute of Tunisia, Tunis, University of Carthage, Tunisia. Technical Centre of Organic Agriculture, Chott-Mariem, Sousse, Tunisia.
17:00	Effectiveness of Arachis pintoï Karp. & Greg. as Biomulch to Reduce Soil Erosion and Increase Soil Fertility on Maize Cultivation	Ade Sumiahadi, M. A. Chozin, dan Dwi Guntoro Department of Agrotechnology, Faculty of Agriculture, University of Muhammadiyah Jakarta, Jl. K.H. Ahmad Dahlan, Cirendeui, Ciputat, Jakarta Selatan, Indonesia, Departement of Agronomy and Horticulture, Faculty of Agriculture, Bogor Agricultural University, Jl. Meranti, Kampus IPB Darmaga, Bogor, Indonesia
17:15	Root characteristics of drought tolerance in barley (Hordeum vulgare.L)	Andrea Carter, Martha Hawes, Michael Ottman Department of Plant Science, University of Arizona Tucson, Arizona. United States.

TECHNICAL SESSIONS – October 8, MONDAY – Saloon 4 - CESAR 7, Afternoon

Session name		Plant Genetic
Moderator Assistant Moderator		Dr. Abderrahmen Ben Gara Dr. Darej Cyrine
<u>Time</u>	<u>Presentation Title</u>	<u>Authors & Institutions</u>
14:00	Coastal Oases of Zarat in Southeastern Tunisia: An environment for rehabilitation and in situ conservation of plants genetic resources	Fateh Aljane, Mokhtar El Bekkay, Yassine Yahia, Mohamed Hichem Neily, Hammadi Hamza Arid Land and Oasis Cropping Laboratory, Arid Regions Institute (IRA) of Medenine, Medenine, Tunisia.
14:15	Stability parameters of some Egyptian cotton genotypes under different environments	El-Seidy E.H., Elgamaal A.A.E, H.H. El-Adly, A.B. Ahmed Agron.Dept. Fac. Agric., Tanta Univ. Egypt. Cotton Res. Inst., Agric. Res. Center, Giza, Egypt.
14:30	Characterization of some 'traditional' local varieties in comparison with improved varieties of durum wheat (<i>Triticum durum</i>) registered in Algeria, under semi-arid conditions	Haddad Leïla, Bachir Adel, Ykhelef Nassima Institute of Agronomic and Veterinary Sciences, University of Souk Ahras –Algeria. Technical Institute of Field Crops, - Sétif – Algeria. Faculty of Life and Nature Sciences, University of Setif-1. Algeria.
14:45	Effet des milieux de culture sur l'androgenèse in vitro de l'orge (<i>Hordeum vulgare</i> L.)	Yosr Arbi, Anissa Sahli, Wejden Brahmi, Insaf Nefzi, Ali Ltifi Institut National de la Recherche Agronomique de Tunisie, Rue Hédi Karray, Tunisie
15:00	Caractérisation morpho-biométrique des ressources asines en Tunisie	Mohamed Aroua, Bayrem Jemmali, Samia Ben Said, Imen Touati, Mokhtar Mahouachi Institut National Agronomique de Tunis ADIPARA Lab, Ecole Supérieure d'Agriculture de Mateur, Université de Carthage, Tunisia. Ecole Supérieure d'Agriculture du Kef, Université de Jendouba, Tunisia.
15:15	Composés phénoliques et évaluation d'activité antioxydant d'extrait du Lentisque pistachier de différentes régions du Nord de la Tunisie	Azouzi Mahjoubaa^b, Slim Slimb, Selmi Houcine^c, Chaoui Abdelilaha a: Faculté des Sciences de Bizerte, Université de Carthage, 7021 Jarzouna, Tunisie., b: École Supérieure d'Agriculture de Mateur, Université de Carthage, Route de Tabarka - 7030 Mateur, 7030, Tunisie., c: Institut Sylvo-pastoral de Tabarka Tunisie
15:30 – 16:00		Networking Break- 30 minutes

TECHNICAL SESSIONS – October 8, MONDAY – Saloon 4 - CESAR 7, Afternoon

Session name		Agricultural Microbiology
Moderator		Dr. Lyudmyla Symochko
Assistant Moderator		Dr. Fateh Aljane
Time	Presentation Title	Authors & Institutions
16:00	Antimicrobial study of selected medicinal plants on healthcare products against oral isolates	Muna Jalal Ali, Essam A. Makky, Mashitah M. Yusoff Faculty of Industrial Sciences & Technology, Universiti Malaysia Pahang, Kuantan, Pahang, Malaysia. Department of pathological analyses, Al-Haweeja Technical Institute, Northern Technical University, Kirkuk, Iraq. Center of Excellence for Advanced Research in Fluid Flow (CARIFF), University Malaysia Pahang, Kuantan, Pahang, Malaysia.
16:15	Antimicrobial activity of <i>Citrullus colocynthis</i> Schard seed oils (<i>Cucurbitaceae</i>) harvested in the Algerian Sahara	Herouini Amel, Kemassi Abdellah, Zegaieb Halima, Ould El Hadj Mohamed Didi Laboratory of Mathematics and Applied Sciences, University of Ghardaia, Algeria. Laboratory of Protection the Ecosystems in Arid and Semi-Arid Zones, University of Kasdi-Merbah Ouergla, Algeria.
16:30	Antimicrobial and entomopathogenic activity of endophytic bacteria isolated from Tunisian olive orchards	Gharsallah H., Ksentini I., Abdelhedi N., Naayma S., Schuster C., Hadj Taieb K., Sahnoun M., Triki M.A., Ksantini M., Leclerque A. Improvement and Protection of Genetic Resources of the Olive Tree laboratory, Olive Tree Institute, Sfax University, Tunisia. Institute for Microbiology and Biochemistry, Geisenheim University, Germany.
16:45	Investigation of antibiotic resistant enterobacteriaceae in the human food	Haydar Özpınar, İsmail Hakkı Tekiner Graduate School of Health Sciences, Istanbul Gedik University, Turkey. Gastronomy Department, Istanbul Gelişim University, Turkey.
17:00	A new bacteria can nodulate the roots of legume <i>Phaseolus coccineus</i> grown in Eastern of Algeria	Mouna Saoudi, Ali Gargouri, F. Zohra Sebihi, Samia Dekkiche, Yacine Benhizia Laboratory of molecular and cellular biology, University Frères Mentouri, Algeria. Laboratory of Molecular Biotechnology of Eucaryotes, Centre of biotechnology, University of Sfax, Tunisia.
17:15	Tomato growth promotion and Fusarium wilt suppression displayed by endophytic bacteria naturally associated with two wild <i>Solanaceous</i> species	Rania Aydi Ben Abdallah, Ahlem Nefzi, Hayfa Jabnoun-Khiareddine, Mejda Daami-Remadi UR13AGR09-Integrated Horticultural Production in the Tunisian Centre-East, Regional Research Centre on Horticulture and Organic Agriculture, University of Sousse, Tunisia.

END of MONDAY SESSIONS

TECHNICAL SESSIONS – October 9, TUESDAY – Saloon 1- CESAR 1, Morning

Session name		Agricultural Microbiology
Moderator		Dr. Edi Purwanto
Assistant Moderator		Dr. Wafaa A. Kadhim
Time	Presentation Title	Authors & Institutions
9:00	Antibacterial activity of new peptide from bovine casein hydrolyzed by a serine metalloprotease of <i>Lactococcus lactis</i> subsp <i>lactis</i> BR16	Fateh Bougherra, Abdelkader Dilmi-Bouras, Rafik Balti, Rémi Przybylski, Faiza Adoui, Hacene Elhameur, Mickaël Chevalier, Christophe Flahaut, Pascal Dhulster, Nedjar Naima Laboratoire de Bio-ressources Naturelles, Université Hassiba Benbouali de Chlef, Algeria. Laboratoire d'Amélioration de Plantes et Valorisation des Agro-ressources (LAPVA), National School of Engineering, University of Sfax, Tunisia. Institut Charles Viollette, équipe ProBioGEM, Polytech'Lille, Boulevard Paul Langevin, France. Institut de la Nutrition de l'Alimentation et des Technologies Agro-alimentaires (INATAA), Algeria.
9:15	Valorization of agro-food wastes - olive pomace- for the production of novel biomaterials in Algeria.	Yasmina Hammoui, Asma Boudria, Nawel Adjeroud, Nabila Djerrada, Khodir Madani Laboratoire de Biomathématiques, Biophysique, Biochimie, et Scientométrie (L3BS), Faculté des Sciences de la Nature et de la Vie, Université de Bejaia, Algérie. Département de biochimie et de microbiologie, Faculté des Sciences, Université de M'sila, Algérie.
9:30	Phytopathogenic fungi associated with <i>Chaetopteliusvestitus</i> (Coleoptera, Curculionidae) infesting pistachio (<i>Pistaciavera</i>) in Tunisia	Karama Hadj Taieb, Houda Gharsallah, Ines Ksentini, Christina Schuster, Andreas Leclerque, Mohamed Ali Triki, Mohieddine Ksantini Olive Tree Institute, University of Sfax, Tunisia. High Agronomic Institute of Chott-Meriem, University of Sousse, Tunisia. Institute for Microbiology and Biochemistry, Geisenheim University, Germany.
9:45	Food Security in Agroecosystems - Risks for Human Health	Lyudmyla Symochko, Olena Demyanyuk Faculty of Biology, Uzhhorod National University, Ukraine. Research and Development Centre of Molecular Microbiology and Mucosal Immunology, Uzhhorod National University, Ukraine. Institute of Agroecology and Environmental Management, Ukraine.
10:00	Implication des rejets de ballast dans L'introduction de dinoflagelles nuisibles dans la Lagune De Bizerte	Fertouna Bellakhal Mouna, Bellakhal Meher, Souad Turki, Lotfi Aleya Institut Supérieur de Pêche et d'Aquaculture de Bizerte, Unité de recherche: Exploitation des Milieux Aquatiques, Tunisie. Institut National des Sciences et Technologies de la Mer (INSTM), Laboratoire Milieu Marin, Tunisie. Université de Bourgogne Franche-Comte', Laboratoire de Chrono-Environnement, France.
10:15	PGPR ability ex situ of actinomycetes strains isolated from saline soils	Djebaili Rihab, Smati Maria, Kitouni Mahmoud Biotechnology and microbial valuation of extreme ecosystems, Laboratory of Microbiological Engineering and Applications, University of the Mentouri Brothers, Algeria.
10:30 – 11:00		Networking Break- 30 minutes

TECHNICAL SESSIONS – October 9, TUESDAY – Saloon 1 - Amphitheater Cesar - Morning

Session name		Keynote Speech
Moderator		Dr. Slim Slim
Assistant Moderator		Dr. Birol Dag
Time	Presentation Title	Authors & Institutions
11:00	Emerging Contaminants in the Sustainable World	Dr. Eakalak Khan Professor and Director of Water Resources Research Program, Department of Civil and Environmental Engineering and Construction, University of Nevada, Las Vegas, NV, USA
11:45	Benefits of integrating livestock in conservation agriculture systems in Mediterranean environments	Dr. Pieter A Swanepoel Department of Agronomy, Stellenbosch University, South Africa
12:30 – 14:00		Lunch Break- 90 minutes

TECHNICAL SESSIONS – October 9, TUESDAY – Saloon 2 - CESAR 4, Morning

Session name		Food Quality
Moderator		Dr. Ahmad Yunus
Assistant Moderator		Dr. El Hentati Haifa
Time	Presentation Title	Authors & Institutions
9:00	Raw camel milk production in four Algerians southeastern arid provinces: Composition and physico-chemical quality, constraints related to collection, storage and transport	Abdelmalek Meribai, Ahmed Bahloul Laboratory of Characterization and Valorization of Natural Products, Faculty of Nature and Life Sciences, University El bachir El ibrahimi, Algeria.
9:15	Prediction of grain quality traits in durum wheat breeding populations	Rifka Hammami, Sripada M Udupa, Susanne Dreisigacker, Mohamed Salah Gharbi National Institute of Agronomic Research of Tunis- INRAT, Tunisia. International Center for Agricultural Research in Dry Areas- ICARDA, Morocco. Centro Internacional de Mejora de Maíz y Trigo-CIMMYT, México.
9:30	Effect of soy protein on sensory properties and physicochemical characteristic of vegan ice cream	Ben Moussa Olfaa, Ouerda Amiraa, Ouerda Jomaac, Hassouna Mnassera Research unity 'Bio-preservation and valorization of agricultural products UR13-AGRO 02', High school of Food Industries (ESIAT), Tunisia. Poulina Holding Group
9:45	Effet de la méthode artisanale d'extraction sur les caractéristiques chimiques de l'huile végétale de lentisque pistachier du nord de la Tunisie (<i>Pistacia lentiscus</i> L.)	Slim Slim, Fadwa Messaoudi, Balcem Dali, Chahine Karmous, Mahjoubia Azouzi, Mounir Louhaichi Higher School of Agriculture of Mateur, University of Carthage, Tunisia. Faculty of Sciences of Bizerte, University of Carthage, Tunisia. International Center for Ag. Res. in Dry Areas, Jordan.
10:00	Biometric characterization of fruits and kernels of <i>Crataegus azarolus</i> L.	Refka Zouaoui, Youssef Ammari, Mejda Abassi, Sana Jebali Laboratory of Forest Ecology, National Research Institute of Rural engineering, Water and Forests (INRGREF), Higher Institute of Biotechnolog, Beja (ISBB)
10:15	Detection and efficiency of new develop antibiotic residues screening test for milk	L. M. Warsama, N. E. M. Mustafa, I.E.M. El Zubeir Department of Dairy Production, Faculty of Animal Production, University of Khartoum, Sudan. Department of Food Hygiene and Safety, Faculty of Public and Environmental Health, Univ. of Khartoum, Sudan. Department of Dairy Production, Faculty of Animal Production, University of Khartoum, Sudan.
10:30	Proximate and fatty acid composition of <i>Cakile maritima</i> (<i>Brassicaceae</i>) collected on tow northern Tunisian coasts	Mohamed EL Getari, Safa Bejaoui University of Carthage, Higher Institute of Fisheries and Aquaculture of Bizerte, Tunisia. University of Tunis El Manar, Faculty of Sciences of Tunisia, Department of Biology, Bio-Ecology and Evolutionary Systematics, Unit of Physiology and Aquatic Environment, Biology Department, Faculty of Science of Tunis, University of Tunis El Manar, Tunisia.
10:45	Future Prediction of Edibl Oils Consumption in Egypt	Mahmoud Abdelsalam Ahmed Department of Agricultural Economics, Faculty of Agriculture, Fayoum University, Egypt
10:30 – 11:00		Networking Break- 30 minutes
Please attend to Keynote Speech between 11:00 to 12:30 at Saloon 1 - Amphitheater Cesar		

TECHNICAL SESSIONS – October 9, TUESDAY – Saloon 3 - CESAR 6, Morning

Session name		Food Security
Moderator		Dr. Samanhudi
Assistant Moderator		Mr. Ade Sumiahadi
Time	Presentation Title	Authors & Institutions
9:00	State of the art on food security and climate change research: a bibliometric study from 2000 to 2017	Amal Barkouti Higher School of Engineers of Medjez El Bab, University of Jendouba, Research Unit Renewable Energies in Agriculture and Agro –industry (ERAA), Medjez El Bab, Tunisia.
9:15	Food security in the Nile Basin countries	Nashwa El-Tatatwy, Sahar Elbahai Faculty of Agriculture, Alexandria University-Egypt, National Planning Institute, Cairo- Egypt.
9:30	L'agriculture durable en permaculture: le cas Tunisien	Saida Hammami Habibi Institut Supérieur Agronomique Chott Mariem Sousse, Tunisie
9:45	The olive tree facing climate change in arid area of Tunisia: Development, growth and yield of “Chemlali Sfax” olive orchards	Bechir Ben Rouina Institut de l’Olivier, Tunisia
10:00	Modelisation of the different alteration factor of durum wheat stored in Tunisia	Bouslah Fatima, Mohamed Elyes Hamza High School of Engineer of Medjez El Bab, Bèja, University of Jendouba, Tunisia. Department of Agricultural Engineering Forestry water, National Agronomic Institute of Tunisia.
10:15	Behavior of the introduced olive, Arbequina and Koroneiki, under Tunisian culture conditions	Dhouha Saidana, Samia Ben Mansour, Ali Ben Dhiab, Mohamed Braham Institute of the Olive tree, Tunisia.
10:30 – 11:00		Networking Break- 30 minutes
Please attend to Keynote Speech between 11:00 to 12:30 at Saloon 1- Amphitheater Cesar		

TECHNICAL SESSIONS – October9, TUESDAY – Saloon 4 – CESAR 7, Morning

Session name		Agriculture Social Economics
Moderator		Dr. Amalia Tetrani Sakya
Assistant Moderator		Dr. Halil Selcuk Biricik
Time	Presentation Title	Authors & Institutions
9:00	Household resilience to food insecurity in the North-West of Tunisia: Case study in two villages: Zoghmar and Selta	Dhraief M. Z., Dhehibi B., Dali-Hassen H., Oueslati M., Khatoui C., Jebali O. National Agronomic Research Institute of Tunisia (INRAT), University of Carthage, Tunisia International Center for Agricultural Research in the Dry Areas – ICARDA, Jordan. Director General of National Observatory of Agriculture
9:15	Economic activities results of production of potatoes in Elbasan province in Albania	Gentian Lami, Mithat Direk Department of Agricultural Economics, Agriculture Faculty, Selçuk University, Turkey
9:30	Peut-on parler de la durabilité des exploitations bovines laitières de la plaine de Mitidja ?	Laribi Sabria, Lazreg Messaoud Cread, Rostomia, Bouzréah, Algérie,
9:45	Dynamiques des systèmes de production au sein des exploitations agricoles familiales dans le Gouvernorat de Zaghouan	Abed Hanen, Fouza Ayoub, Hammami Aymen, Hammami Mohamed Ecole Supérieure d'Agriculture de Mograne, Tunisia. Ecole Supérieure d'Agriculture de Mateur, Tunisia.
10:00	The optimal economic distribution of Egypt's exports of grapes in the world market	Walaa Mahmoud Mohamed, Al Shaimaa Mohammed Fangary Faculty of Agriculture, South Valley University Egypt
10:15	Promising methods for Tunisian olive oil authentication	Amira Araouki Institute of the Olive tree, Tunisia
10:30	The effect of economic of climate changes on the production of the main cereal crops in Egypt	Moustafa Mohamed El-Saadany, Ali Rizk Moustafa, Olfat Ali Moulok, Afaf Abd El Menam Mohamed, Hala Shawky Harby Professor Emeritus of Agricultural Economics, Faculty of Agriculture, Damanhour University, Egypt. Head Emeritus of Research, Research Institute of Agricultural Economics, Agricultural Research Center, Cairo, Egypt. Professor of Agricultural Economics, Faculty of Agriculture, Damanhour University, Egypt. Professor of Agricultural Economics, Faculty of Agriculture, Damanhour University, Egypt. Assistant of Research, Research Institute of Agricultural Economics, Agricultural Research Center, Cairo, Egypt
10:30 – 11:00		Networking Break- 30 minutes
Please attend to Keynote Speech between 11:00 to 12:30 at Saloon 1 - Amphitheater Cesar		

TECHNICAL SESSIONS – October 9, TUESDAY – Saloon 1 - CESAR 1, Afternoon

Session name		Agriculture Social Economics
Moderator		Dr. Mohammed Hammami
Assistant Moderator		Dr. Fouzai Ayoub
Time	Presentation Title	Authors & Institutions
14:00	Analytical economics of yellow maize and food security in Egypt	Mohamed S. Mashaal, Mahmoud A. Arafa Cairo University, Faculty of Agriculture, Cairo-Egypt
14:15	The competitive ability of Egyptian orange exports in the global market through the period (2000 – 2015)	Shahinaz Eid Moussa, Magda Mohamed Reda Agricultural Economics Department, Fayoum University, Egypt.
14:30	Price war, selective advertising and active deception stark contrast about consumer ethics	Razia Anjum, Mithat Direk, Aisha Anjum Government College Women University, Sialkot, Department of Psychology, Pakistan. Selçuk University, Agriculture Faculty, Department of Agricultural Economy, Turkey. Livestock & Dairy Development Department, Punjab Veterinary Medicine Doctor (DVM) Lahor, Pakistan.
14:45	Transforming lives through a livestock intervention; a case study of barkat project Pakistan	Zafar Iqbal NGO World Foundation (TNW Foundation), Pakistan.
15:00	Role of small and medium enterprises in Albanian economy: Factors affecting their profits in the region of Tirana and Durres	Rozeta Tusha, Mithat Direk Department of Agricultural Economics, Faculty of Agriculture, University of Selçuk, Turkey.
15:30 – 16:00		Networking Break- 30 minutes

TECHNICAL SESSIONS – October 9, TUESDAY – Saloon 1 - CESAR 1, Afternoon

Session name		Agriculture Social Economics
Moderator		Dr. Ahmed Mohamed Ahmed
Assistant Moderator		Dr. Aymen Ezzine
Time	Presentation Title	Authors & Institutions
16:00	Financement et endettement de l'agriculture Tunisienne	Fouzai Ayoub, Abed Hanen, Barakat Narjes, Hammami Mohamed Ecole Supérieure d'Agriculture de Mograne, Tunisia. National Institute of Agronomy of Tunisia, Tunisia. Ecole Supérieure d'Agriculture de Mateur, Tunisia
16:15	The structural position of plum production in the municipality of Gradacac and its development opportunities	Sumedina Spahić, Mithat Direk Selcuk University, Faculty of Agriculture, Department of Agricultural Economics, Turkey
16:30	Determinants of the adoption of improved cassava technologies for sustainable agriculture in Oyo State Nigeria	Oyewo.I.O, Adepoju, A.O. Forestry Research Institute of Nigeria (FCF), Jericho, Nigeria.
16:45	Small farmers can rent laser levelers, enabling more efficient use of water and boosting food security	Hamayoon Amini Ministry of Agriculture Irrigation and Livestock (MAIL), On-Farm Water Management Project Afghanistan (OFWMP)
17:00	The apple chain and its impact on water and soil resources Case of Sbiba region, Tunisia	Anissa Gara, Hssan Abdelhafidh, Mohamed Hammami, Marwa Aloui National Institute of Agronomy of Tunisia National Agricultural Research Institute of Tunisia High School of Agriculture of Mograne, Tunisia High School of Agriculture of Mateur, Tunisia
17:15	Chaine de valeur de la viande ovine dans la région de Zaghouan en Tunisie	Darej Cyrine, Hechlef Haikel, Bdiri Mariem, M'Hamdi Naceur, Moujahed Nizar Laboratoire des Ressources Génétiques, Animales et Alimentaires, Institut National Agronomique de Tunisie, Direction générale de productions Agricoles. Ministère De L'agriculture Et Des Ressources Hydrauliques De La Tunisie.
17:30	Breeding for host resistance to fire blight resistance in apple in Turkey	Ahmet Direk Bilkent University, Science Faculty, Molecular Biology and Genetics Department, Ankara, Turkey

TECHNICAL SESSIONS – October 9, TUESDAY – Saloon 2 - CESAR 4, Afternoon

Session name		Soil Health
Moderator		Dr. Senay Aydin
Assistant Moderator		Dr. Anissa Gara
Time	Presentation Title	Authors & Institutions
14:00	Is Biochar an efficient tool to improve the foliar transpiration and the root growth on maize under drought and climate change conditions?	Leila Romdhane, Leila Radhouane, Teofilo Vamerali Laboratory of Science and Agronomic Technical, National Institute of Agronomic Research of Tunisia, University of Carthage, Tunisia. Department of Agronomy, Food, Natural Resources, Animals and the Environment, University of Padova, Italy.
14:15	Activation of defense mechanism against root-knot nematode infection treated with <i>Verticillium chlamydosporium</i>	Lobna Hajji-Hedfi, Emna ben Khaled, Noura Chihani-Hammas, Asma Larayedh, Hajer Regaeig, Najet Horrigue-Raouani Higher agronomic Institute of Chatt-Mariem, Sousse University, Tunisia.
14:30	Structuration géographique des rhizobiums, nodulant le pois chiche (<i>Cicer arietinum</i> L.), dans l'Est algérien	Samia Dekkiche, Kaouthar Taha, Mouna Saoudit, Gilles Bena Faculté des sciences biologiques, Université Batna 2, Fisdis, Batna. Faculté des Sciences, Université Mentouri I, Ain Elbye, Constantine, Algérie. Faculté des Sciences, Université Mohammed V- Agdal, Rabat, Maroc. Laboratoire des Symbioses Tropicales et Méditerranéennes (LSTM), Montpellier, France
14:45	L'utilisation de la culture de Quinoa " <i>Chenopodium quinoa</i> " pour le phytodessalement des sols salés	Benbessis Yamina, Salhi Nasrine, Halilat Med Taher Ecole Normale Supérieure d'Ouargla, Département Des Sciences De La Nature Et De La Vie, Université Kasdi Merbah Ouargla Algérie. Laboratoire De Bio-Ressources Sahariennes : Préservation Et Valorisation, Faculté Des Sciences De La Nature Et De La Vie Ouargla Algérie.
15:00	Contamination of soils and plants by heavy metals in the Biskra Region	N. Chellouai, K. Guimeur Laboratoire de recherche en diversité des écosystèmes et dynamiques des systèmes de production agricoles en zones arides (Laboratoire Dedspaza). Université de Biskra
15:15	Study of soil nematode communities associated with apple in center of Tunisia and their diversity in relation with environmental impacts	Noura Chihani Hammas, Asma Larayedh, Lobna Hajji Hedfi, Hajer Regaeig, Najet Horrigue Raouani Higher agronomic Institute of Chatt-Mariem, Sousse University, Tunisia.
15:30 – 16:00		Networking Break- 30 minutes

TECHNICAL SESSIONS – October 9, TUESDAY – Saloon 2 - CESAR 4, Afternoon

Session name		General Agriculture, Aquaculture
Moderator		Dr. Cevat Aydın
Assistant Moderator		Andrea Y. Carter
Time	Presentation Title	Authors & Institutions
16:00	Diagnosis of the current situation and opportunities for future development of mullets fishery in Tunisian reservoirs	Sami Mili, Rym Ennouri, Houcine Laouar, N. Romdhane, Hechmi Missaoui Institut Supérieur de Pêche et d'Aquaculture de Bizerte, Unité de recherche: Exploitation des Milieux Aquatiques, Tunisie. Institut National des Sciences et Technologies de la Mer (INSTM), Tunisie. Centre Technique d'Aquaculture: Sahel Montfleury, Tunisie. Direction Générale de la Pêche et de l'Aquaculture, Tunisie.
16:15	Risk assessment of metallic trace elements in freshwater fishes from Bezirkh dam, Tunisia	R. Ennouri, S. Mili, H. Laouar Unité de recherche : Exploitation des milieux aquatiques, Institut Supérieur de Pêche et d'Aquaculture de Bizerte, Tunisie. Centre Technique d'Aquaculture, rue du Sahel Montfleury, Tunisie.
16:30	Analytical economics of yellow maize and food security in Egypt	Mahmoud A. Arafa, Mohamed S. Mashaal Assistant Professor at Cairo University, Faculty of Agriculture, Egypt. Professor at Cairo University, Faculty of Agriculture, Egypt.
16:45	Conversion of <i>Hibiscus sabdariffa</i> seeds oil to biodiesel using optimized transesterification parameters and heterogeneous catalyst	Khalil Hasni, Zul Ilham, Arshad Nabi, Noor Hana Hanif Abu Bakar, Mahendra Varman Institute of Biological Sciences, Faculty of Science, University of Malaya, Malaysia. Department of Chemistry, Faculty of Science, University of Malaya, Malaysia. School of Chemical Sciences, Universiti Sains Malaysia, Malaysia. Department of Mechanical Engineering, Faculty of Engineering, University of Malaya, Malaysia.
17:00	Assessment of platforms used in remote sensing in precision agriculture	Nurettin Kayahan, Cevat Aydın Selçuk University, Faculty of Agriculture, Department of Agricultural Machinery and Technology Eng. Turkey
17:15	Study and analysis of a spraying system with flow control by PWM	Z. Mohammedi, M A. Feddal, L. Boudhar Laboratoire Maitrise de l'eau en agriculture. Département de Génie Rural, machinisme agricole et agro équipements, Ecole Nationale Supérieure Agronomique (ENSA), El Harrach, Alger
17:30	Proximate and fatty acid composition of <i>Cakile maritima</i> (Brassicaceae) collected on tow northern Tunisian coasts	Mohamed El Getari, Safa Bejaoui University of Carthage, Higher Institute of Fisheries and Aquaculture of Bizerte, Tunisia, University of Tunis El Manar, Faculty of Sciences of Tunis, Department of Biology, UR11ES11 Bio-Ecology and Evolutionary Systematics, Manar II Unit of Physiology and Aquatic Environment, Biology Department, Faculty of Science of Tunis, University of Tunis El Manar, Tunisia.

TECHNICAL SESSIONS – October 9, TUESDAY – Saloon 3 - CESAR 6, Afternoon

Session name		Environmental Engineering and Environmental Modeling
Moderator		Dr. Eakalak Khan
Assistant Moderator		Dr. Ismail Bayram
Time	Presentation Title	Authors & Institutions
14:00	Harmful algae and their Potential impacts on shellfish aquaculture in Tunisia	Bellakhal Meher, Fartouna Bellakhal Mouna Institut Supérieur de Pêche et d'Aquaculture de Bizerte, Unité de recherche: Exploitation des Milieux Aquatiques, Tunisie.
14:15	Prediction of freshwater harmful algal blooms in western Lake Erie using artificial neural network modeling techniques	Haci Osman Guzel, Bilal Cemek, Dean D. Steele, Halis Simsek School of Natural Resource Sciences, North Dakota State University, USA. Department of Agricultural Structures and Irrigation, Faculty of Agriculture, Ondokuz Mayıs University, Turkey. Department of Agricultural and Biosystems Engineering, North Dakota State University, USA.
14:30	Effect of renewable energy, nonrenewable energy consumption and agriculture and on CO ₂ emissions in Middle East and North Africa countries	Kais Saidi, Hassen Toumi University of Economics and Management of Sfax, (URED), Tunisia. Taibah University, College of Business Administration at Yanbu, Department of Management, Kingdom of Saudi Arabia. University of Economics and Management of Sfax, Tunisia.
14:45	Clean environment through using child to child approach (C2CA) in rural coastal villages of Sindh, Pakistan	Mumtaz Ali University of Sindh, Pakistan.
15:00	Optimization of combined electrocoagulation and electrooxidation process in the treatment of sunflower oil refinery wastewater	Swati Sharma, Halis Simsek Department of Agricultural and Biosystems Engineering, North Dakota State University, USA.
15:30 – 16:00		Networking Break- 30 minutes

TECHNICAL SESSIONS – October 9, TUESDAY – Saloon 3 - CESAR 6, Afternoon

Session name		Irrigation and Water Stress
Moderator		Dr. Öner Çetin
Assistant Moderator		Dr. L. M. Warsama
Time	Presentation Title	Authors & Institutions
16:00	Technical efficiency of water user associations in coastal oases of Gabès, south-eastern Tunisia	N. Mahdhi, A. Romdhane, F. Soudi Institut des Régions Arides de Médenine (IRA), Tunisia.
16:15	Multiobjective modeling approach for the management of irrigation water demand: Compromises and regulatory instruments	Houcine Jeder, Mohamed Amine Ben Alaya, Lamia Mokaddem Chercheur au Centre Régional de Recherche en Horticulture et Agriculture Biologique de Chott-Meriem, Tunisie. Membre de laboratoire d'Économie et Sociétés Rurales, Institut des Régions Arides, Tunisie. Unité de recherche: Economie de l'Environnement, des Ressources naturelles et Agriculture, Faculté des Sciences Économiques et de Gestion de Tunis, Université de Tunis EL-Manar
16:30	Improvement efforts on water and irrigation management in Turkey	Öner Çetin, Neşe Uzen Dicle University, Agricultural Faculty, Dept. of Agricultural Structures and Irrigation, Turkey.
16:45	Effects of water stress and shade level on the growth of <i>tribulusterrestris</i>	Samanhudi, Ahmad Yunus, Bambang Pujiasmanto, Edi Purwanto, Wahdah Nur Septyaningsih Department of Agrotechnology, Faculty of Agriculture, Universitas Sebelas Maret Jl. Ir. Sutami 36A, Surakarta, Indonesia
17:00	Applicable water management procedures in agriculture for water-scant environments: an evaluation in Konya basin, Turkey	Bilal Acar Department of Farm Buildings and Irrigation, Faculty of Agriculture, University of Selçuk, Turkey.
17:15	Effet de l'irrigation avec les eaux saumâtres sur les comportements agrophysiologiques de deux espèces de <i>sulla</i>	Amor Boughdiri, Gouider Tibaoui Institute of Biological Sciences, Faculty of Science, University of Malaya, Malaysia. Department of Chemistry, Faculty of Science, University of Malaya, Malaysia. School of Chemical Sciences, Universiti Sains, Malaysia. Department of Mechanical Engineering, Faculty of Engineering, University of Malaya, Malaysia.
17:30	Effects of different irrigation regimes on fruit quality and exportability of 'Washington' Navel orange fruit (<i>Citrus sinensis</i> L.)	Alaa El-Din K. Omar, Mohamed S. Abo El-Enin Horticulture Dept. (Pomology), Fac. of Agric., Kafrelsheikh Univ., Egypt. Citrus Dept., Hort. Res. Ins., Agric. Res. Center, Giza, Egypt.

TECHNICAL SESSIONS – October 9, TUESDAY – Saloon 4 - CESAR 7, Afternoon

Session name		Animal Husbandry Related Subject (Livestock Farming)
Moderator		Dr. Haydar Ozpinar
Assistant Moderator		Dr. Birol Dag
Time	Presentation Title	Authors & Institutions
14:00	Traditional animal farming in eastern Mediterranean region of Turkey	Nazan Koluman, Dilek Arsoy, Ahmet Koluman Çukurova University, Faculty of Agriculture, Dept. Of Animal Science, Turkey. Near East University, Veterinary Medicine Faculty, Department of Animal Science, Nicosia, North Cyprus (TRNC) Pamukkale University Technology Faculty, Dept. Biomedical Engineering, Turkey.
14:15	Sicilo-Sarde breeding system in Northern Tunisia: production and reproduction performances	Ammar, H., Khlass, M., Jebnoun, K., Amdouni, K., Mansouri, M., Mezi, K. Higher School of Agriculture of Mograne, Zaghuan, Tunisia. Higher Institute for Preparatory Studies in Geology Biology (ISEP-BG), Tunisia. Higher School of Agriculture of Mateur, Tunisia.
14:30	The effects of straw and inorganic bedding material on cow behavior and milk production in housing system	Serap Göncü Çukurova University, Faculty of Agriculture, Department of Animal Science, Turkey.
14:45	The camel herd reproductive performance as a key component for species subsistence and production in a changing environment, case of the southeastern Algeria	Gherissi D.E. Bouzebda Afri F., Bouzebda Z., Lamraoui R., Chacha F. Laboratory of Biotechnology, Animal Production and Health, University of Souk Ahras, Algeria.
15:00	Contribution to the conservation of local cattle breed in Tunisia	El Hentati Haifa, Thamri Najia, Hadhli Mouna, Ben Sassi Mohsen National Gene Bank, ministry of local affairs and environment, Tunisia. Directorate of genetic improvement of Sidi Thabet, Office of livestock and pasture, Tunisia. Regional directorate of Mateur, Office of livestock and pasture, Tunisia
15:15	Determination of animal rescue capacity of Konya fire agency	Halil Selçuk Biricik, Safa Gürcan, Gürbüz Aksoy Eyüp Eren Gültepe Afyon Kocatepe Univ., Fac. Vet. Med., Department of Lab. Anim., Turkey Ankara Univ., Fac. Vet. Med., Department of Biostatistics, Turkey Harran Univ., Fac. Vet. Med., Dept. of Internal Medicine, Turkey Afyon Kocatepe Univ., Fac. Vet. Med., Dept. of Anim. Nutr. and Nutr. Diseases, Turkey
15:30	Les caractéristiques morphométriques de la population caprine locale dans la région d'Oum El Bouaghi en Algérie	Besma Abdeltif, Sana Guedoudji, Safia Tennah, Farida Ghalmi Institut des sciences agronomiques et vétérinaires Taoura, Université de Souk Ahras- Algérie. Laboratoire de recherche de la Gestion des Ressources Animales locales (GRAL). Ecole nationale supérieure vétérinaire d'Alger Algérie.
15:45	Paramètre de diversité génétique des étalons en Tunisie	Jlassi Mariem, Jemmali Bayrem, Lasfer Faten, Ouled Ahmed Hatem, Ben Gara Abderahmane Asipara Lab Esam instead of National Agricultural Institute of Tunisia, Tunisie. Laboratoire d'Amélioration et de Développement Intégré de la Productivité Animale et des Ressources Alimentaires, Ecole Supérieure d'Agriculture de Mateur, Université de Carthage, Tunisie. Fondation Nationale d'Amélioration de la Race Chevaline, Sidi Thabet, Tunisie. Laboratoire d'Analyse Génétique Animale, Institut de la Recherche Vétérinaire de Tunisie.
15:30 – 16:00		Networking Break- 30 minutes

TECHNICAL SESSIONS – October 9, TUESDAY – Saloon 4 - CESAR 7, Afternoon

Session name		Animal Health
Moderator		Dr. Nazan Koluman
Assistant Moderator		Dr. Serap Goncu
Time	Presentation Title	Authors & Institutions
16:00	Invited Speech by Prof. Muhammad Ovais Omer In vivo evaluation of hepato-renal protective potential of potato peel extracts against heavy metal induced toxicity	Mubbashar Abbas, Muhammad Ovais Omer, Aqeel Javeed, Muhammad Asad Ali, Muhammad Khurram Waqas Department of Pharmacology and Toxicology, University of Veterinary and Animal Sciences, Pakistan
16:15	Medical treatment of abomasal displacements of cattle with zeolite	Gürbüz Aksoy, Halil Selçuk Biricik Harran Univ., Fac. Vet. Med., Dept. of Internal Medicine, Turkey. Afyon Kocatepe Univ., Fac. Vet. Med., Department of Lab. Anim., Turkey
16:30	Effect of zeolite mineral on ruminal motility of cattle	Gürbüz Aksoy, Mehmet Aci, Halil Selçuk Biricik, Oktay Kaplan, Muğdat Yertürk Harran Univ., Dept. of Internal Medicine, Turkey. Harran Univ., Dept. of Anim. Nutr. and Nutr. Diseases, Turkey. Afyon Kocatepe Univ., Department of Lab. Anim., Turkey. Dicle Univ., Dept. of Anim. Nutr. and Nutr. Diseases, Turkey. Yüzüncü Yıl Univ., Department of Zootechnique, Turkey.
16:45	Prévalence d'anticorps dirigés contre Neospora caninum chez la vache de population locale	Besma Abdeltif, Safia Tennah, Farida Ghalmi Institut des sciences agronomiques et vétérinaires Taoura, université de souk ahras- Algérie. Laboratoire de recherche de la gestion des ressources animales locales (GRAL). Ecole nationale supérieure vétérinaire d'Alger Algérie.
17:00	Pysiopathology study of two sweeteners aspartame and steviol on two animals models	Benazouz F, Bencharif M. University : Blida, Department of biology
17:15	A comparison of the serum antibody levels generated against Infectious Bronchitis infection in commercial laying hens and broilers in some Central Anatolian provinces by Hemagglutination Inhibition test (HI) and Enzyme linked Immunosorbent Assay (ELISA)	Esra Kocabay, Beytullah Kenar Dicle District Directorate of Food, Agriculture and Livestock, Turkey Department of Microbiology, Faculty of Veterinary Medicine, Afyon Kocatepe University, Turkey.
17:30	Intermittent complementation during mating period does not affect reproductive performances of Barbarin rams	Samia Khnissi, Imene Ben Salem, Mourad Rekik and Narjess Lassoued National Institute of Agronomic Research in Tunisia (INRAT), Tunisia. National School of Veterinary Medicine Sidi Thabet, Tunisia. International Center for Agricultural Research in the Dry Areas (ICARDA), Amman, Jordan.

END of TUESDAY SESSIONS

TECHNICAL SESSIONS – October 10, Wednesday– Saloon 1 - CESAR 1, Morning

Session name		Food Sciences and Technology
Moderator		Dr. Lyudmyla Symochko
Assistant Moderator		Dr. Ivan Šimunić
Time	Presentation Title	Authors & Institutions
9:00	Virgin olive oil volatile compounds from lipoxigenase and characterization of monovarietal olive oils obtained from different Tunisian Mills	Hédia Manai–Djebalia, Imen Oueslatia, Bechir Baccouria, Salma Nait Mohameda, Mokhtar Zarrouka, Manuel A. Martínez-Cañasb, Jacinto Sánchez-Casasb, Guido Flaminic Laboratoire de Biotechnologie de l'Olivier, Centre de Biotechnologie de Borj-Cédria. Hammam-Lif, Tunisia. CICYTEX-Technological Agri-Food Institute (INTAEX), Badajoz. Spain. Dipartimento di Scienze Farmaceutiche, sede Chimica Bioorganica e Biofarmacia, Pisa, Italy.
9:15	Industrial production of liquid sugar and juice concentrate from dates	Bassi Naimaa, Belguedj Naimab, Agli Abdenacera Laboratoire de la Nutrition et de la Technologie Alimentaire (LNTA), INATAA, Université Frères Mentouri de Constantine, Algérie. Division phoeniculture, Centre De Recherche Scientifique Et Technique Sur Les Régions Arides, Algérie.
9:30	Exploration of the stability of physicochemical and microbiological qualities of a soft cheese, type: camembert, after storage for three weeks at different temperatures	Meribai A., Bahloul A., Diafat A. Laboratory of Characterization and Natural Resource Development - (L.C.V.R): Agronomy Science Department - Faculty SNV-STU- Bordj Bou Arreridj University- Algeria.
9:45	Bioactive compounds and antioxidant activity in melon (<i>Cucumis melo</i>) seed oil	Leila Rezig, Moncef Chouaibi, Wiem Meddeb, Kamel Msaada, Salem Hamdi Food Preservation and Valorization Laboratory: Higher Institute of Food Industries, Tunisia. Faculty of Science of Bizerte, Tunisia. Laboratory of Medicinal and Aromatic Plants, Biotechnology Center of Borj-Cedria Technopole, Hammam-Lif, Tunisia.
10:00	Effect of triacylglycerols and derivatives on the variation of the volatile profiles of virgin olive oils during microwaves and conventional heating	Imen Oueslatia, Hédia Manaïa, Mónica Madrigal-Martínezb, Manuel A. Martínez-Cañasb, Jacinto Sánchez-Casasb, Guido Flaminic Laboratoire de Biotechnologie de l'Olivier, Centre de Biotechnologie de Borj-Cédria, Hammam-Lif, Tunisia. CICYTEX- Technological Agri-Food Institute (INTAEX), Government of Extremadura, Badajoz. Spain. Dipartimento di Farmacia, Pisa, Italy.
10:15	Behavior of olive tree under pluvial and irrigated mode in different phenological stages	Samia Ben Mansour–Gueddes, Dhouha Saidana-Naija, Ali Ben Dhiab, Mohamed Braham Olive Tree Institute, Tunisia.
10:30	Effects of high temperature stress on biochemical behavior and yield of olive trees under desert climate of Rjim Maâtoug oasis	Yasmine Ben Rouina, Mohamed Bouaziz, Cl. Faiez Ben Rjeb, Béchir Ben Rouina Olive Tree Institute, Tunisia. Faculty of Sciences of Sfax, Tunisia. Institut Supérieur de Biotechnologie de Sfax, Tunisie. Office de Développement de Rjim Maâtoug (Kebili)
10:30 – 11:00		Networking Break- 30 minutes

TECHNICAL SESSIONS – October 10, Wednesday– Saloon 1 - CESAR 1, Morning

Session name		Animal Nutrition
Moderator		Dr. M. Azam Kakar (Invited Speaker)
Assistant Moderator		Dr. Hammadi Rouissi
Time	Presentation Title	Authors & Institutions
11:00	Invited Speech by Prof. M. Azam Kakar Manipulation of histrotrophic nutrition for quality embryonic growth in ewes	M. Azam Kakar, Mithat Direk, S. Maddocks, S.K. Walker Faculty of Biotechnology and Informatics, BUITEMS, Pakistan. Department of Agricultural Economy, Faculty of Agriculture, Selçuk University, Turkey. The University of Adelaide, Australia.
11:15	Effet de l'addition d'huile essentielle de Rosmarinus officinalis dans l'eau d'abreuvement sur les paramètres zootechniques et la qualité des œufs chez la poule pondeuse	Ben Larbi M., Omri B., Kadardar H., Jebbari A., Arbi T., Ben Gara A. School of Higher Education in Agriculture of Mateur, Carthage University
11:30	Seasonal effect on some minerals content of camel milk under traditional and intensive management systems in Butana Area-Sudan.	M. H. M. Elbashir, Sijoud. F. Elhassan Tumbool Camel Research Center, Animal Resources Research Corporation, Khartoum, Sudan.
11:45	Effect of Lemon juice on performance, egg quality trait, and some blood parameters in laying hens	Ismail Bayram, E. Eren Gültepe, Cangir Uyarlar, Aamir Iqbal, Ümit Özçınar, I.Sadi Çetingül Department of Animal Nutrition and Nutritional Diseases, Faculty of Veterinary Medicine, Afyon Kocatepe University, Turkey.
12:00	Energy and protein inputs of flushing diet: Effect on reproductive performance of Barbarine ewes raised in Tunisian semi-arid condition	Samia Khnissi, Imene Ben Salem, Mourad Rekik, Narjess Lassoued National Institute of Agronomic Research, Tunisia (INRAT), National School of Veterinary Medicine Sidi Thabet, Tunisia. International Center for Agricultural Research in the Dry Areas (ICARDA), Jordan.
12:15	Milk production characteristics of maltese goats raised in Konya province of Turkey	Birol Dağ Selçuk University, Agricultural Faculty, Department of Animal Science, Turkey.
12:30 – 14:00		Lunch Break- 90 minutes

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TECHNICAL SESSIONS – October 10, Wednesday – Saloon 2 – CESAR 4, Morning

Session name		Agricultural Biotechnology
Moderator		Dr. Muhammad Ovais Omer (Invited Speaker)
Assistant Moderator		Dr. Bellakhal Meher
Time	Presentation Title	Authors & Institutions
9:00	Phytochemical screening, antioxidant activity and in vitro fermentation from <i>Smilax aspera</i> , <i>Rhamnus alaternus</i> and <i>Calycotum villosa</i> from ewes and goats	H. Selmi, O. Hammami, A. Dhifallah, S. Dallali, R. Mouhbi, H. Rouissi Sylvo-Pastoral Institute of Tabarka, University of Jandouba Department of Animal Productions, Higher School of Agriculture of Mateur, Tunisia
9:15	Phytochemical screening and evaluation of the antioxidant and antimicrobial activity of essential oils and extracts of <i>Pinus halpensis</i> , <i>Pinus pinea</i> and <i>Pinus pinaster</i> species	Aloui Foued, Salhi Oumaima, Bouchnak Rahma, Jedidi Saber, Dallali Sana, Bouraoui Hanène, Ben Hsouna Anis, Khedhri Ayda Institut Sylvo-Pastoral de Tabarka, Tunisie. Faculté des sciences de Tunis, Tunisie. Faculté des sciences de Gafsa, Tunisie.
9:30	Thermal stability of natural actomyosin extracted from sardine (<i>Sardina pilchardus</i>) muscle affects reactivity to cross-linking by microbial and sardine transglutaminases	Imen Zaghib, Soumaya Arafa, Mnasser Hassouna High Graduate School of Food Industries of Tunisia, Bio-preservation and Valorization of Food Products Laboratory, Tunisia
9:45	A drift model validation in the Tunisian cereal context	Hassouna Bahrouni, Asma Allagui, Mohamed Ali Ben Abdallah, Aymenouni National Institute of Research in Rural Engineering, Water and Forestry (INRGREF), University of Carthage, Tunisia. Higher Institute of Agronomic Sciences in Chott Mariem, University of Sousse, Tunisia. Technical Center of Potato and Globe Artichoke, Essaïda Mannouba, Tunisia. CTPTA, Tunisia.
10:00	Effect of some Rhizobium strains on chickpea growth and biological control of <i>Fusarium redolens</i>	Hemissi I., Hammami R., Hachana A., Mabrouk Y. Laboratoire des Sciences et Techniques Agronomiques de l'Institut National de la Recherche Agronomique de Tunisie. Laboratoire des grandes cultures de l'Institut National de la Recherche Agronomique de Tunisie. Laboratoire de Biotechnologie et Technologies Nucléaires, Centre National des Sciences et Technologies Nucléaires, Technopôle de Sidi Thabet, Tunisie
10:30 – 11:00		Networking Break- 30 minutes

TECHNICAL SESSIONS – October10, Wednesday– Saloon 2 – CESAR 4, Morning

Session name		Environmental Engineering and Environmental Modeling
Moderator		Dr. Sami Mili
Assistant Moderator		Dr. Orlović-Leko Palma
Time	Presentation Title	Authors &Institutions
11:00	Approche de modélisation pour la conception et le dimensionnement des réacteurs UV de traitement des eaux usées. Etude des cas pour les réacteurs annulaires et les réacteurs à canaux ouverts	Mohamed Habib Sellami Ecole Supérieure des Ingénieurs de Medjez El Bab, IRESA, Université de Jendouba, Tunisie.
11:15	Preliminary results on <i>Procambarus clarkii</i> in Tunisia: Geographical distribution and spontaneous activity	Mohamed Wajih Bouaoud, Mohamed El Gtari, Mohamed Yosri Tayachi, Raouia Larafa, Faouzia Charfi-Cheikhrouha University of Tunis El Manar, Faculty of Sciences of Tunis, Department of Biology, Bio-Ecology and Evolutionary Systematics, Manar University of Carthage, Higher Institute of Fisheries and Aquaculture of Bizerte,
11:30	Recent progress in the environment-friendly synthesis of Single and Multilayer Graphene	May Ali, Mohamed Abdel Rahman Abdel Ghany, Bamidele Ayodele Victor Department of Chemical Engineering, University of Technology Baghdad, Iraq. Faculty of Chemical and Natural Resources Engineering, Universiti Malaysia Pahang, Lebuhraya Tun Razak, Gambang-Kuantan Malaysia.
11:45	Balance-sheet examined to irrigation cooperatives in Cumra district in Konya, Turkey	Mithat Direk, Hikmet Erdem Selçuk University, Agriculture Faculty, Department of Agricultural Economy, Turkey.
12:00	Effect of different water table levels on soybean water use and growth parameters	Yavuz F. Fidantemiz, Xinhua Jia, Aaron L. Daigh, H. Hatterman-Valenti, Dean D. Steele, Ali R. Niaghi, Halis Simsek Department of Agricultural & Biosystems Engineering, North Dakota State University, USA. Department of Soil Science, North Dakota State University, USA. Department of Plant Science, North Dakota State University, USA.

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POSTER SESSIONS

October 8, Monday – Saloon 1 - CESAR 1 – Afternoon

Time: 14:00 – 16:00

Session name	POSTER SESSION
<u>Presentation Title</u>	<u>Authors & Institutions</u>
Production and Cost Functions for Wheat Crop in Graduates pattern in Al-Beheira Governorate	Ahmed Mohamed Ahmed, Ahmed Maher Al-Gohary, Hany Kamal El-Sayed Mohamed Department of Agricultural Economics - Faculty of Agriculture - Tanta University
Stability parameters of some egyptian cotton genotypes under differint environments	El-Seidy, E.H. El-Gamal, A.A.E; H.H.El-Adly ; I.B.Ahmed Agron.Dept. Fac. Agric., Tanta Univ., Cotton Res. Inst., Agric. Res. Center, Giza, Egypt
Perceptions of agricultural extension agents for the extension role in the governorate on the agricultural environment of pollution in Qalioubia governorate	Saied Abbas Rashad Department of Economics and Agricultural Extension Faculty of Agriculture - Benha University, Benha City - Egypt
Dissolved organic carbon (DOC) in the surface waters in the agricultural area (Lonja field, Croatia)	Orlović-Leko Palma, Šimunić Ivan, Ciglenečki Irena, Dautović Jelena University of Zagreb, Faculty of Mining, Geology and Petrology Engineering, Zagreb, Croatia, University of Zagreb, Faculty of Agriculture, Department of Soil Amelioration, Zagreb, Croatia , Divisin of Marine and Environmental Research, Ruđer Bošković Institute, Zagreb, Croatia
Monitoring of minerals and biochemical compounds content in olive leaves under various weather conditions	Samia Ben Mansour–Gueddes, Dhouha Saidana-Naija, Mohamed Braham Olive Tree Institute, Ibn Khaldoun, Sousse, Tunisia
Effet du stress hydrique induit par le PEG sur la germination de la Gesse fourragère (Lathyrus sativus)	Salma Sai Kachout, Salah Benyoussef, Aziza Zoghلامي, Boutheina Naffai, Mohamed Chakroun Laboratory of Animal and Forage Production of INRAT, Ariana, Tunisia
Biochemical characterization of rhizobia nodulating Common bean (Phaseolus vulgaris L.)	KOUKI Saoussen; ROUAISSI Mustapha; BOURAOUI Manel, SIFI Bouaziz Laboratory of Agronomic Sciences and Techniques, National Agricultural Research Institute of Tunisia National Agronomic Institute of Tunisia, Tunisia., Biotechnology and Physiology Laboratory, National Institute for Agricultural Research of Tunisia, Tunisia
Etude de la bioécologie de l'aleurode noir d'olivier, Aleurolobus olivinus en Mitidja orientale	Abbassi Fethi, Achouche Abderrahim, Benzehra Abdelmadjid Ecole Nationale Supérieure Agronomique ENSA, Alger, Algérie

Chemical composition and oil properties of pumpkin (<i>Cucurbita pepo</i>) seed oil	Leila Rezig, Moncef Chouaibi, Wiem Meddeb, Kamel Msaada, Salem Hamdi Food Preservation and Valorization Laboratory: Higher Institute of Food Industries, El Khadra City, Tunisia. Faculty of Science of Bizerte, Zarzouna, Tunisia., Laboratory of Medicinal and Aromatic Plants, Biotechnology Center in Borj-Cedria Technopole, Tunisia.
Contibution a l'étude des interactions : plantes, pucerons et hymenopteres parasitoïdes en milieux naturel et cultivate dans la region de batna	Hasna Seghir, Malik Laamari
Real- time, fluorogenic PCR (Taq - Man) assay and fatty acids profiling in detecting <i>Ralstonia solanacearum</i> the causal of potato brown rot disease	El-Habbaa G.M., M.S. Hanafy Plant Pathol. Dept., Fac. Agric., Moshtohor, Benha Univ., Egypt, Bacterial Diseases Research Dept., Plant Pathology Research Institute, Agric. Res. Center (ARC), Giza, Egypt
Oasis de Ouargla- Algérie une agriculture périurbaine : défis et opportunités	Benbessisse Yamina, Ngais Hamza, Bouaamar Boualem Université kasdi merbah Ouargla, Fac. Science de la Nature et de la vie, Lab. Phoenixe ,Ouargla, Algeria
Update of the list of freshwater Gammarids species in Tunisia with the description of two new species for science and a new species for Tunisia	Khaoula Ayati, Sonia Dhaouadi, Piscart Christophe, Ezzeddine Mahmoudi University of Carthage, Faculty of Sciences of Bizerte, Laboratoire de Biosurveillance de l'Environnement, Jarzouna, Tunisia., Université Rennes 1, Campus de Beaulieu, Rennes, France.
Effect of salt stress (Sodium Chloride) on plant growth of <i>Myrtus communis</i> L.	Malek Ben Khelil, Ahlem Abidi, Lamia Hamrouni Département des sciences et techniques de la production végétale- School of Higher Education in Agriculture of Mateur, Tunisia (ESAM), Laboratoire de Gestion et de Valoriation des Ressources Forestières – INRGREF- IRESA- Université de Carthage.Tunisia
Effet du stress hydrique sur les parametres agro-physiologiques de deux varietes d'avoine	Amor Boughdiri, Gouider Tibaoui Ecole Supérieure d'Agriculture de Mateur
Impacts of agricultural reuse of treated wastewater on the microbiological quality of groundwater in Ouargla bassin (Northern Algerian Sahara)	Bouhanna Amal University of Kasdi MERBEH Ouargla
Use of benthic macroinvertebrates as bioindicators of the state of three limnic biotopes of Tunisia	Sonia Dhaouadi, Salsabil Rejeb Higher Institute of Environmental Sciences and Technologies of Borj-Cédria, Tunisia.
Main phytoparasitic nematodes of oasis vegetable crops (case of the region of Daya ben dahoua, Ghardaia Wilaya)	Araba Fatna, Khene Bachir University of Ghardaïa, Algérie. Laboratory of Mathematics and Applied Sciences. University of Ghardaia Faculty of Science of Nature and Life and Earth Sciences

Insecticidal activity of some local spontaneous plants against <i>Tribolium castaneum</i> (Herbst) (Tenebrionidae: Coleoptera), post-harvest wheat pest	Karahacane Tahar, Mokabl Aissa Research Laboratory "WATER-Roche-Plante" University Djillali Bounaama de Khemis Miliana, Route de Theniet EL-had, Ain Defla Province, Algeria
The genotoxicity potential of soils subjected to long-term irrigation with treated wastewater: a case study of the Cebala-BorjTouil irrigation perimeter.	Dalila Souguir, Georg Hörmann, Mohamed Hachicha, Halis Simsek Institut National de Recherches en Génie Rural, Eaux et Forêts. Université de Carthage, Ariana, Tunisie. Department of Hydrology and Water Resources Management, Kiel University, Germany. Department of Agricultural and Biosystems Engineering, North Dakota State University, USA.
Comparative study of the physicochemical and biological parameters of "traditional and modern" olive oils from Eastern Algeria	Gherib A. Applied Biochemistry Laboratory Faculty of Sciences Constantine 1 Frères Mentouri University Constantine 1
Morphological and Phytochemical characterization of onion new breeding lines (<i>Allium cepa</i> L.)	R. Sta-Baba, H. Chikh-Rouhou Centre Régional des Recherches en Horticulture et Agriculture Biologique (CRRHAB/IRESA), Tunisia
In vivo effects of probiotic <i>Lactobacillus fermentum</i> on the fecal microflora of rabbits	Ben Moussa Olfaa, Boukriba Saidaa, Mahmoudi Imena, Boulares Mounaa, Hassouna Mnassera Research unity 'Bio-preservation and valorization of agricultural products UR13-AGRO 02', High school of Food Industries (ESIAT), Tunisia
Prevalence and sensitivity to antibiotics of <i>Escherichia coli</i> isolated from fish of the Bizerte lagoon (North of Tunisia)	I. Boukef-Ben Omrane, A. Amiri, M. El Bour Monia Higher Institute of Fisheries and Aquaculture of Bizerte (ISPAB), Tunisia Laboratory of Marine Microbiology, National Institute of Marine Sciences and Technologies, Salammbô, Tunisia
PGPR ability ex situ of actinomycetes strains isolated from saline soils	Djebaili Rihab, Smati Maria, Kitouni Mahmoud Biotechnology and microbial valuation of extreme ecosystems, Laboratory of Microbiological Engineering and Applications, University of the Mentouri Brothers, Constantine 1, Algeria.
Treatment and valorization of agro-food industry effluents for the algal biomass production	Nadia Khelifi, Lobna Akili, Sheyma Khemiri, Mustpha Galaâoui, Issam Smaali Institut Supérieur de Pêche et d'Aquaculture Laboratoire LIP-MB (LR11ES24) Proteins and bioactive molecules engineering-INSAT STEP El-Mazraâ, Paulina
The decline of camel production systems in Algerian Northern Sahara case study of the basin of Ouargla, M'zab and Ziban	Hafsia BEDDA University of Ouargla
Contribution to the study of entomological complex of cereals in the region of Sidi Bel Abbes (West of Algeria)	Belhadj Tahar Kamel Jillali Liabès University, Faculty of Natural and Life Sciences, Department of Environmental Sciences, Sidi Bel Abbes, Algeria

Species composition and population dynamics of thrips (thysanoptera) in apple orchards of the south-east of Tunisia	Sabrineattia, Ghouli Emna, Essia Limem, Hajersahraoui, Nermine Ben Fredj kaouthargrissa Lebdi Laboratoire d'Entomologie-acarologie. Institut National Agronomique de Tunisie, (UR : Bio-agresseurs et lutte intégrée en agriculture). Tunisia Service de protection des plantes. Ministère de l'agriculture et des ressources hydrauliques et de la pêche. Tunisia Centre Technique d'agrumes, Tunisia.
Study of the effect of urea foliar spraying on Citrus clementina flowering and the phenomenon of alternate bearing	Nourhene Younes, Mohamed Karim Aounallah, Neirouz Ben Krima, Mohamed Hedi Moez Institut National Agronomique de Tunisie Centre Technique des Agrumes
The Astragalus sp. Species within Agricultural Systems	Ramazan Acar, Nur Koç, Mithat Direk Selçuk University, Agriculture Faculty, Department of Agricultural Economy, Turkey, Selçuk University, Agriculture Faculty, Department of Agricultural Economy, Turkey
The optimal economic distribution of Egypt's exports of grapes in the world market	Walaah Mahmoud Mohamed, Al Shaimaa Mohammed Fangary Department of Agricultural Economics, Faculty of Agriculture Tanta University
Spatial distribution of the protozoan parasite <i>perkinsus sp.</i> found in tunisian coast	Refka Elgharsalli Tunissia
Valorization of vermicompost: effects on morpho-physiological parameters of organic tomato plantlets (<i>Lycopersicon esculentum</i> L.)	Akef Bziouech S., Gharsallah S., Dhen N., Talik J. and Al Mohandes Dridi B. High Institute of Agronomy of Chott-Mariem, Tunisia. Research unit of Biochemistry and Environmental Eco-Toxicology
Contribution to the study of the underground irrigation in olive plants with saline water: Effects on the soil and the plant	Zouari Mohamed, Ben Abdallah Ferjani, Ben Rouina Bechir Laboratory of Improvement of Olive Productivity and Product Quality, Olive Tree Institute, Tunisia Laboratory of Plant Biodiversity and Dynamics of Ecosystems in Arid Area, Faculty of Sciences of Sfax, University of Sfax, Tunisia
Phytochemical diversity and antioxidant activity of both main Tunisian olive cultivars under different climatic conditions	Dhouha Saidana, Samia Ben Mansour, Mohamed Braham Institute of the Olive tree, Ibn Khaldoun BP14, 4061, Sousse, Tunisia
Lactation performance and milk traits of local sheep and goat breeds of cyprus	D. Arsoy, M.Çelik, N. Koluman, T. Kayaalp Near East University, Veterinary Medicine Faculty, Department of Animal Science, Nicosia, North Cyprus (TRNC) Cukurova University, Agriculture Faculty, Department of Animal Science, Turkey

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