



Wednesday, November 26th, 2025

08:30 - 09:00	Registration
09:00 - 09:30	Opening Ceremony & Opening Speeches ▪ Dr. Amina KHALDI President of Seminar ▪ Pr. Merahi BOUZIANI Rector of University Djilali Liabes of Sidi Bel Abbès

PLENARY CONFERENCES

Plenary Session 1

Moderators	Dr. Amina KHADLI, Dr. Ahmed MELLALIH, Dr. Hayet MEHIDA
09:30 - 10:00	Pr. Abdelkader HARIZIA University of Mustapha Stambouli / Mascara. <i>"Integrated Crop Production : Innovations for sustainability and food security focus on low-input practices to enhance crop health and yield"</i>
10:00 - 10:30	Pr. Khalladi MEDERBAL University of Ahmed Zabana/ Relizane. <i>"Utilisation de l'intelligence artificielle et la digitalisation en agriculture : quelle stratégie adopter ?"</i>
10:30 - 11:00	Scientific Debate
11:00 - 11:30	Coffee Break



ORAL SESSIONS

ROOM 1 (auditorium) Topic 3

Moderators	Dr. Kada Moulay Djelti Dr. Boudouaya Manel Dr. Reguieg Mohamed mokhtar
11:30 – 11:45	Yahia BOUKHARI University of Mascara. <i>" Contribution of agricultural production to reinforced food security in the wilaya of Mascara "</i>
11:45 – 12:00	Roumaissaa BELKACEM University of Mostaganem. <i>" Characterization of biotechnological properties and safety profiles of lactic acid bacteria isolated from artisanal dairy products "</i>
12:00 – 12:15	Nabila BERRIGHI University of Mostaganem. <i>" Effects of Using Certain Natural Antioxidant Sources in Sausage on Color and Rate of Lipid Oxidation After Freezing "</i>
12:15 – 12:30	Fatiha HAMITRI-GUERFI University of Bejaia. <i>"The Role of Metrology in Enhancing Food Security within the Algerian Olive Oil Sector: Implications for Sustainable Development"</i>
12:30 – 12:50	Scientific Debate

12:50 - 13:45

Lunch Break





ORAL SESSIONS

Moderators		ROOM 1 (auditorium) Topic 1
13:45 - 14:00		Dr. Mellalih Ahmed, Dr. Bendeddouche Soria Dr. Mellah Rabha
14:00 - 14:15		Hayet MEHIDA University of Sidi Bel Abbès. <i>"Nutritional and Therapeutic Potential of Algerian Rocket (Eruca sativa Mill.): Contribution to Food Security and Sustainable Agriculture"</i>
14:15 - 14:30		Touria HADJ SLIMANE Université Oran 1. <i>"Le rôle du sol dans la transmission des parasites zoonotiques"</i>
14:30 - 14:45		Zeyneb TIFOURI ITCMI, Alger. <i>"Évaluation de la Diversité Agro-Morphologique d'Écotypes Locaux de Tomate (Solanum lycopersicum L.)"</i>
14:45 - 15:00		Hayat HADJ ALI University of Sidi Bel Abbès. <i>"Role of agroforestry in sustainable agriculture: challenges of soil degradation and solutions for food security in the Relizane region, Algeria y"</i>
15:00 – 15:20		Farouk MEHTOUGUI University of Sidi Bel Abbès. <i>"l'usage des différentes zones humides de l'ouest Algérien et les interactions socioprofessionnels"</i>
15:20 - 16:00		Scientific Debate
		Coffee Break + Poster Communications (Topic 1 and 3)



Thursday, November 27th, 2025

08:30 - 09:00

Registration

ORAL SESSIONS

	Topic 2	ROOM 1 (auditorium)	Topic 5
Moderators	Dr. Sidhoum Mohammed, Dr. Redouane Zaid Dr. Limani Ouafia		
09:00 – 09:15	Rabha MELLAH University of Sidi Bel Abbes. <i>" Pistacia terebinthus L. : Capacités adaptatives et menaces parasites dans un contexte de dégradation de l'habitat Cas du Mont Tessala (Sidi Bel abbés, Algérie)"</i>		
09:15 – 09:30	Sarah Bensakhria University of Mostaganem. <i>" Effets du semis direct sur les paramètres agronomiques du blé tendre (Triticum sativum L., variété Aïn Abid)"</i>		
09:30 – 09:45	Karima OULDEYEROU University of Sidi Bel Abbes. <i>" Etude des activités biologiques in vivo de l'extrait aqueux de syzygium aromaticum"</i>		
09:45 – 10:00	Khadidja ALLALI University of Laghouat. <i>" Optimization by the response surface methodology of the Indole-3-acetic acid production by Streptomyces rochei PT2"</i>		
10:00 – 10:15	Ouafia LIAMANI University of Sidi Bel Abbes. <i>"Characterization of Spearmint Essential Oil and Development of an Antiseptic and Moisturizing Hand Cream: From In Vitro Analysis to Formulation"</i>		

10:15 – 10:40	Scientific Debate
10:40 - 11:10	Coffee Break + Poster Communications (Topic 2 and 5)
Moderators	ROOM 2 (la chapelle) Topic 4
	Dr. Mehida Hayet, Dr. Esma ZINEDDINE Dr. Zidane Nadia Dr. Moussa kheira
	Lyna HADJII University of Sidi Bel Abbès. " <i>Epidemiology of brucellosis and toxoplasmosis and their influence on human fertility : case of Oran province</i> "
	Fawzia HANIS University of Relizane. " <i>Prévalence et antibiorésistance des souches d'Escherichia coli isolées de lait cru dans la région d'Ain Témouchent</i> "
	Esma ZINEDDINE University of Sidi Bel Abbès. " <i>Pratique de l'insémination artificielle bovine au niveau de l'Ouest Algérien</i> "
09:00 – 09:15	
09:15 – 09:30	
09:30 – 09:45	
09:45 – 10:00	Khaoula BOUAOUD University of Sidi Bel Abbès. " <i>Effects of aqueous extract of spice mixtures (MelEpi) on the inflammatory reponse in Wistar rats</i> "
10:00–10:30	Scientific Debate
10:30 - 11:10	Coffee Break + Poster Communications (Topic 4)
11:10 – 12:10	Exploratory Visit – Reflections and Exchanges
12:15 - 13:00	Lunch Break

POSTER SESSIONS

Wednesday, November 26th, 2025

Topic 1 and 3 | 15:20-16:00

	Topic 1	ROOM 1 (auditorium)	Topic 3
Evaluators	▪ Dr. Bennaoum Zineb ▪ Mme. Hemame Salima ▪ Dr. Mehtougui Farouk ▪ Dr. Ardjoum Safia		
	▪ Dr. Redouane Zaid ▪ Dr. Elaoufi Manel ▪ Dr. Bouaoud Khaoula ▪ Dr. Nabila Berrighi		

Code	Communication's Title / Authors / Affiliations
T1-01	Exploitation des bactériophages pour renforcer la protection des cultures. Moubarek Mébarki, Abderrahmane Yahia cherif. <i>University of Saida.</i>
T1-02	La synthèse de bilan des incendies dans la région d'Ain Defla. Ouaar djilali, Mehaiguene Madjid, Sadou Fatima Zahra, Sari Hiba, Houacine elhoucine. <i>University of Khemis Miliana.</i>
T1-03	characterization of suitability of undrgrawndwater in Oued El Maleh basin for irrigation (Algeria-WN). Zahra Benkhamallah, Ahmed Benkhamallah, Mohamed Tounsi, Lydia Aissaoui.
T1-04	Bio-insecticide effect of Schinus molle leaf essential oil against a pest of stored products. Zineb Bourakna, Elhoucine Houacine, Fatiha Assia, Kada Righi. <i>University Amar Telidji, Laghouat.</i>
T1-05	Assessment of the adaptive response to water stress in local cowpea (<i>Vigna unguiculata</i> subsp. <i>unguiculata</i> (L.) Walp.) populations from Algeria. Lalia AMMAR, Zineb SAFA, Sawesan MOUSSAOU. <i>Mascara University, Algeria..</i>
T1-06	Occurrence and Characterization of antibiotic-resistant Salmonella Isolates from fresh produce in Agricultural environments. BELLIL Zahra, BELLIL Dassine, MAIRI Assia, De CHAMPS Christophe, BARRAUD Olivier, TOUATI Abdelaziz ¹ . <i>Université de Bejaia.</i>
T1-07	Bioinsecticide activity of Lavandula angustifolia against Tribolium confusum (Coléoptère : Tenebrionidae). Manal Maliha Elaoufi, Karim Bouterfas, Narimène Madouni, Safia Ardjoum, Khawla Bouaoud. <i>Université de Sidi Bel Abbès.</i>
T1-08	Evaluation of antifungal activity of Eucalyptus camaldulensis essential oil against tomato fungal disease. Nariman Madouni, Manal Maliha Elaoufi, Hadjer Ghafir, Ikram Adouani. <i>Université de Sidi Bel Abbès.</i>
T1-09	Impact of salt stress on the germination of Solanum lycopersicum seeds. Amina AISSAT, Tijania HELLAL et Yahya Zakaria AISSAT. <i>Djillali Liabes University. Sidi Bel Abbès.</i>
T1-10	Influence de différentes souches PGPR sur les paramètres de germination des graines de Tomate. Elhoucine Houacine; Tayeb Mahi; Sanaa Halima Benslimene; Hidayat Mendoud; Nouredine Abdelkrim. <i>Université de Sidi Bel Abbès.</i>
T1-11	Comparaison des caractéristiques physiques, physiologiques, biochimiques et technologiques de nouvelles variétés de blé dur cultivées en conventionnel et en agroécologie dans le but de les introduire en Algérie. LAHMISSI Amina, GHADI Imene, GHEZALI Hamida, MADANI Manissa. <i>Université des Sciences et de la Technologie Houari Boumediene Bab Ezzouar, Alger.</i>



T1-12	Etude de l'activité insecticide des huiles essentielles d'Eucalyptus globulus L. et Thymus vulgaris L. à l'égard du ravageur des denrées stockées Tribolium confusum (Coleoptera : Tenebrionidae) dans la région de Mostaganem. BOUTAIBA BENKLAOUZ Mohammed, BOUSSIF Sofiane, SEBAI Abdelmouaiz. <i>Ecole Supérieure d'Agronomie de Mostaganem.</i>
T1-13	Histological Aspect Of Pistacia atlantica Galls. HEMMAM Salima, BENHASSAINI Hachemi, <i>Université de Sidi Bel Abbès.</i>
T1-14	Modélisation des mécanismes d'élimination d'un polluant environnemental. Boudia Rabia, Mimanne Gousseem, Asli Naima <i>Université de Sidi Bel Abbès.</i>
T3-01	Évaluation de la dynamique de la culture de sécurité sanitaire des aliments dans une entreprise productrice de boissons : cas de la NCA Rouiba (Algérie). Houria Hadjloune, Ahcène Kaci, Lala Meriem SNOUCI, Fathi Abdellatif Belhouadjeb. <i>Centre de Recherche en Agropastoralisme (CRAPAST), Djelfa.</i>
T3-02	Conservation et valorisation durable des dattes Deglet Nour : évolution de la qualité biochimique et biologique. Lahouaria LABGA, Ouafia Liamani, Samira Meziani, Kheira Rebbah, Fatima Bouighi, Fatima Zohra Cheni. <i>Université Djillali Liabès, Sidi Bel Abbès.</i>
T3-03	Assessment of Salinity Tolerance in Bread and Durum Wheat: Agronomic Responses under Controlled and Semi-Arid Conditions. Asmaa BEMMOUSSAT, Amina BELLATRECHE, Adel BEREZZOUG, Yacine MAHDAD. <i>Abou-Bekr-Belkaïd University of Tlemcen.</i>
T3-04	Contribution of Local Onion (Allium cepa L.) Varieties Cultivated in Algeria to Food Security: Phytochemical Characterization and Antioxidant Potential. Zellit Rania Soumia; El Kadi Fatima Zohra, Messaoud Amira, Abdallah Touati Djihene. <i>Djillali Liabès University of Sidi-Bel-Abbès.</i>
T3-05	Natural Antioxidant Potential of Lavandula angustifolia Essential Oil for Enhanced Food Preservation. AYACHI AMAR Fatma Zohra, GOUDJIL Mohamed Bilal, MAHCENE Zineb, AYACHI AMOR Asma, AYACHI AMOR Chaima. <i>Ouargla University.</i>
T3-06	Bioactive Compounds and Antioxidant Activities of Xanthoria parietina: Agricultural Applications as Natural Bioproducts. Bendeddouche Mansouria Souria, Benouis Khedidja, Liamani Ouafia, Labga Lahouaria, Benghalem Ibtissem. <i>Djillali liabès university of sidi bel abbès.</i>
T3-07	Improving wheat Triticum durum and Triticum aestivum productivity under salinity stress through understanding some physiological and chemical responses. MOBAREK SABRINA, BRINIS AMIR. <i>Badji Mokhtar University of Annaba.</i>
T3-08	Urtica dioica: A Functional Plant for Food Security and Public Health. Bekhedda Hadjer; Derradjia Amina; Hanis Fawzia; Aouedj Sid Ahmed; Hamad Hanane; Demmouche Abbassia. <i>University Ahmed Zabana, Relizane.</i>
T3-09	Ethnobotanical survey on the use of different spices in the northern Algerian region. Khaoula Bouaoud, Hayat Hadj Ali, Rabha Melleh, Manal Maliha Elaoui, Abbassia Demmouche, Amina Khaldi, Charif Khadidja Chial, Ouafia Liamani. <i>Djillali liabès university of sidi bel abbès.</i>
T3-10	Olive Polyphenols: Natural Antioxidants And Antimicrobial Agents For Enhancing Food Quality And Security. Merah Houria, Meddah Boumedien. <i>University of Mascara.</i>
T3-11	Évaluation in vitro de l'activité antifongique de fongicides sur Verticillium dahliae isolés d'oliviers atteints de verticilliose en Algérie. Boutkhil Samir, Benaïssa Keddar Youcef, Benyelles Samir, Diaf Mustapha. <i>Université de Sidi Bel Abbès.</i>
T3-12	Évaluation et Caractérisation Phéno-agronomique de quatre variétés de Vesce Commune (Vicia sativa L.) dans les Hautes Plaines de Sétif. REGAZ Katia; CHENITI Khalissa; MOUJAHED Nizar; DAREJ Cyrine. <i>Université Ferhat Abbas, Sétif1.</i>



	Topic 2	ROOM 1 (auditorium)	Topic 5
Evaluators	▪ Dr. Hadi Ali Hayet ▪ Dr. Djebari Mourad ▪ Dr. Asli Naima ▪ Dr. Bennaoum Zineb ▪ Dr. Mellah Rabha		
	- Dr. Liamani Ouafia ▪ Dr. Madouni Narimene ▪ Dr. Boudia Rabia ▪ Dr. Moussa kheira ▪ Dr. Houacine Elhoucine		

Code	Communication's Title / Authors / Affiliations
T2-01	Impact of irrigation with ozonated water on potato (solanum tuberosum L.) Behavior and yield. Mohamed SIDHOUM, Zeyneb Benzina TIFOURI, Younes AISSANI. <i>Institute of Agricultural Sciences, University of Djillali Liabès. Sidi Bel Abbès.</i>
T2-02	Promoting Sustainable Agro-Food Management: Tackling Whey Pollution through Protein Beverage Development. Mellali Sarah, BENAÏSSA Miloud, BENAÏSSA Maroua, NADOR Sabah, OUSAAD Samia, Haoud Khadidja. <i>University of Relizane.</i>
T2-03	Agri-tech Is a new Indicator of global dominance. MOULAY DJALTI. <i>Institute of Agricultural Sciences, University of Djillali Liabès. Sidi Bel Abbès.</i>
T2-04	IoT-Based Smart Greenhouse for Efficient Irrigation and Climate Regulation. Khaled Benkouider, Akram Bendjedid, Haitham Belkhir, Fadi Ferhati. <i>Badji-Mokhtar University of Annaba.</i>
T2-05	Inventory and Integrated Management of Major Insect Pests Affecting Apple Orchards in the Sidi Bel Abbès Region. ARDJOUN Safia, MEHTOUGUI Mohamed Samir. <i>Djilali LIABES University, Faculty of Natural and Life Sciences, Sidi Bel Abbès.</i>
T2-06	Assessment of the Technology and Efficiency of the Sidi Bel Abbès Wastewater Treatment Plant and Its Potential for Irrigation Use. MEHTOUGUI Mohamed Samir, ARDJOUN Safia, MEHTOUGUI Farouk, KERFOUF Ahmed. <i>Djilali LIABES University, Faculty of Natural and Life Sciences, Sidi Bel Abbès.</i>
T2-07	Evaluation de l'impact de la sécheresse sur le couvert végétal dans la région du haut et moyen Chélif, Algérie. Meriem FELLAG, Abdelhak BOUHARIRA, Nassira SALHI, Nesrine BELMILOUD. <i>Hassiba Benbouali University of Chlef.</i>
T2-08	Evaluation et cartographie de la qualité des eaux souterraines utilisées en irrigation par IWQI: cas de la plaine du Bas-Chélif. Nassira SALHI, Abdelkader DOUAOU, Abdelhamid BRADAI, Meriem FELLAG. <i>Hassiba Benbouali University of Chlef.</i>
T2-09	Analyse SWOT de la filière oléicole Algérienne : Etat des lieux, défis et des perspectives. Boutkhil Samir, Benaïssa Keddar Youcef, Benyelles Samir, Diaf Mustapha. <i>Université de Sidi Bel Abbès.</i>
T2-10	Étude comparative de l'effet des deux formes de compost urbain (solide et liquide) sur les paramètres physico-chimiques du sol ainsi que morphométrique de la culture d'haricot vert. Ouafaa AMIRI, Hayame Feryel DEGHMICHE, Kamel CHAFA, Naima Leila MEGHOUEFEL, Said NEMICHE, Mohamed BENKHLIFA. <i>Université de Mostaganem.</i>

T2-11	Impact des bios fertilisants organiques dans la promotion de la croissance et le développement de la tomate (<i>Solanum Lycopersicum</i> L.) vis-à-vis du stress salin.. Chabane Ait ouahioune, Ahmed Zouaoui , Karima Ghebbi. <i>Université de Saad Dahlab Blida 1.</i>
T2-12	Évaluation de la qualité des eaux de drainage pour l'irrigation. Noureddine Abdelkrim, Hartani Tarik, <i>Université de Sidi Bel Abbes.</i>
T2-13	Adaptation du quinoa (<i>Chenopodium quinoa</i> Willd.) au stress salin : une alternative pour la durabilité agricole en zones arides. Laredj Zazou Rahma, Kadri Wahiba. <i>Centre universitaire de Naâma.</i>
T2-14	The use of electron emitting devices in agricultural fields. Asli Naima1, Liamani Ouafia2, Boudia Rabia3. <i>Université de Sidi Bel Abbes..</i>
T5-01	Antibacterial, antibiofilm activities and chemical composition of essential oil of <i>Calendula</i> sp plant from Algeria. Yamina tahar, Ourida chouitah, Fatima kiari. <i>University of Mascara Mustapha Istambouli.</i>
T5-02	Évaluation comparative de la composition biochimique et phytochimique des pelures de l'écorce de deux types d'orange (<i>citrus sinensis</i> et <i>citrus clementina</i>) a differents stades de maturite. LABGA Lahouaria, MEZIANI Samira, LIAMANI Ouafia, REBBAH Kheira, MENADI Noureddine. <i>Université Djillal iLiabes, Sidi Bel Abbes.,</i>
T5-03	Study of the biological properties of essential oils from Fennel seeds : <i>Foeniculum vulgare</i> Mill. BOUKHATMI Fafa, SEKRANE Fatima zohra Youssra, BATOUCHE Amira, BOUGHAF FOUR Marwa. <i>Djilali Liabès university of Sidi-Bel-Abbès.</i>
T5-04	Biological Assessment of Virgin Rapeseed Oil (ZITNA Variety) on Experimental Colitis: Anti-inflammatory and Antioxidant Properties. Kheira Rebbah, Ouafia Liamani, AmineAchmaoui, Lahouaria labga, Gheffari Ibtissem, Samira Meziani, Abbassia Demmouche. <i>Djilali Liabès university of Sidi-Bel-Abbès.</i>
T5-05	Phenolic compound profiles and antioxidant activity of <i>Ruta chalepensis</i> L. leaves, a spontaneous medicinal herb: influence of harvest zone (Western Algeria). Benadda Imen, EL-Kadi Fatima Zohra. <i>Djilali Liabès university of Sidi-Bel-Abbès..</i>
T5-06	Characterization of Physicochemical and Phytochemical Properties of Ethanolic Extracts from <i>Opuntia ficus-indica</i> Cladodes Collected in Different Algerian Regions. Djihène Abdallah Touati, Fatima Zohra EL KADI, Rania Soumia Zellit. <i>University Djilali liabes of Sidi bel abbes.</i>
T5-07	Effect of Different Culture Media on the Growth of <i>Verticillium dahliae</i> Kleb., the Causal Agent of Verticillium Wilt in Olive (<i>Olea europaea</i> L.). OGAB Saliha, MAHIOUT Djamel, MAZA Tahar. <i>University of Relizane.</i>
T5-08	Phytochemical analysis and evaluation of the allelopathic properties of volatile organic compounds from <i>Ruta</i> sp. on the growth of <i>Triticum aestivum</i> L. Zineb BENNAOUM, Rabha MELLAH, Ouafia LIAMANI, Salima HEMMAM, Malika TIRSE. <i>University Djilali liabes of Sidi bel abbes.</i>
T5-09	Valorization by composting of olive pomace generated by a few oil mills in the region of Sidi Bel Abbes using the Berkley method. Bouterfas Karim, Elaoufi Manal Maliha. <i>University Djilali liabes of Sidi bel abbes.</i>
T5-10	Optimisation de la production de chitinase par <i>Streptomyces mutabilis</i> SSG et ses applications en agriculture et en sécurité alimentaire. MISSOURI Amira, BENINE Mohamed Lamine, KHALDI Amina. <i>University Djilali liabes of Sidi bel abbes.</i>
T5-11	Harnessing Plant Biodiversity for the Textile Day by coagulation Flocculation. A Novel Green Synthesis. Malika Chenna, Kahina Boumala, Nadia Lardjane, Hakim Lounici et Djouhar Chenna. <i>Université de M'sila.</i>
T5-12	Citrus Tristeza Virus Diversity in Chlef: A Case Study Linking Agritech and Sustainability. Abdallah Nabil BENTURQUA, Malika MEZIANE, Samir ALI AROUS, Zellit Rania Soumia. <i>Hassiba Benbouali University of Chlef.</i>
T5-13	Isolement et extraction de la pectine naturelle des agrumes. Kadri wahiba, Khaldi Amina, Messoud amira. <i>Université Djillali Liabes de Sidi-Bel-Abbès.</i>



T5-14	Ethnobotanical Survey of Medicinal Plant Applications in Polycystic Ovary Syndrome Treatment in Western Algeria. Amira MESSAOUD, Khalida ZEMRI, Rania Soumia ZELLIT. <i>University Djilali liabes of Sidi bel abbes.</i>
T5-15	Lytic Enzymes production by actinobacteria: a meta-analysis. Boukaya Nassira, Naimi Mostefa and Abid Amar. <i>Nour Bachir University Center of El-Bayadh.</i>
T5-16	Caractérisation physico-chimique, analyse CPG/SM et évaluation de l'activité antioxydante des extraits de Curcuma longa. Moussa Kheira, Meddah Boumediene. <i>Djillali Liabes University, Sidi Bel Abbès.</i>
T5-17	Study of the allelopathy of aqueous extracts from Eucalyptus globulus leaves on the germination of weeds associated with durum wheat in the Sidi Bel Abbès region. Ahmed MELALIH, Khadidja Chaieb. <i>Université Djilali liabes of sidi bel Abbès.</i>
T5-17	Utilisation de Bio-Stimulant de Croissance à Base d'Algues sur la Culture du Blé Tendre dans la Région de Sidi Bel Abbès Ahmed MELALIH, Azzeddine OULDAISSA. <i>Université Djilali liabes of sidi bel Abbès.</i>

Topic 4 | 10:30- 11:10

ROOM 2 (chapelle)

Evaluators	▪ Dr. Zidane Nadia ▪ Dr. Mahi Tayeb ▪ Dr. Bouaoud Khaoula
-------------------	---

Code	Communication's Title / Authors / Affiliations
T4-01	Protective effect of Rosmarinus officinalis on nephrotoxicity of Nickel Chloride in Wistar rats. Hichem Saker., Benkhedir Abdelkarim, Gasmi Salim, Samira Boussekine. <i>Larbi Tebessi University, Tebessa.</i>
T4-02	Effet de la supplémentation énergétique sur la croissance pondérale, testiculaire et la testostéronémie chez les agneaux de race Ouled Djellal en phase pubertaire dans l'Ouest Algérien. ZINEDDINE Esma et BEREKSI REGUIG Karim. <i>Université Djillali Liabes de Sidi Bel Abbès.</i>
T4-03	Typology of technical management pathways of Panicum maximum in Algeria. OUHIBA RAFIK, BENDI DJELLOUL BAHAEEDDINE, OUAAR DJILALI, GIANINAZZI SILVIO. <i>University of Tlemcen.</i>
T4-04	Contribution of Animal Health and Sustainability of Production Systems to Strengthening Food Security. Khadidja ZOUAOUI, Assia BENMAHIEDDINE. <i>University Dr. Moulay Tahar, Saida,.</i>
T4-05	Efficacy of Thymus surpyllum essential oil in vitro by fumigation against the tick (Rhipicephalus sanguineus). Tayeb Mahi; Narimene Madouni; Amira Meslek; Elhoucine Houacine; Noureddine Abdelkrim. <i>Université Djillali Liabes de Sidi Bel Abbès.</i>
T4-06	Microalgae: Impact to replace conventional protein feeds for sustainable dairy cow diet: Meta-analysis. <u>Naimi Mostefa</u> and Khaled Méghit Boumédiène