



"5th ISESCO-COMSATS-INIT International Conference on Agriculture, Biotechnology and Food Security: Role of ICTs"

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"3rd TYAN International Thematic Workshop on Sustainable Agriculture, Food Security and Biotechnology: Best Strategies and Good Practices " to be held in Monastir, Tunisia

04 – 06 November 2019

Hotel El Mouradi Skanes Palace, Monastir, Tunisia

Tentative Program

Time	Activity	Speaker
Day 1: November 04, 2019 (Monday)		
08:00-09:00 hrs	Arrival of Guests at El Mouradi Hotel Palace and Registration	
Inaugural Ceremony		
09:00-09:10 hrs	Welcome Address of Dr Jalila Ben Salah-ABBES , TYAN EC member, representing the Arab Region (WS/Conf Coordinator)	
09:10-09:20 hrs	Welcome Address of Prof. Hédi BEL HADJ SALAH , President of Monastir University	
09:20-09:30 hrs	Message of Executive Director INIT To be read-out by Mr. Atiq-ur-Rehman , Representative INIT, Islamabad	
09:30-09:40 hrs	Message of Executive Director COMSATS To be read-out by Mr. Farhan Ansari , Sr. Assistant Director (Programmes), Representative of COMSATS, Islamabad	
09:40-09:50 hrs	Message of General Director of Arab ICT Organization Mr. Mohamed Ben Amor , AICTO, Tunisia	
09:50-10:00 hrs	TWAS/TYAN mission & activities, Dr Jalila Ben Salah-ABBES	



Time	Activity	Speaker
10:00-10:30 hrs	Photo Group and Coffee Break	
Day 1(Nov 04, 2019) : Session – 1 Agriculture and Sustainable Development Moderator: Dr. Mohamed FARAG , American University in Cairo, EGYPT Reporter: Dr. Anthony OJOKOH , Federal University of Technology NIGERIA		
10:30-10:45 hrs	Usage of GIS (Geographical Information Systems) and RS (Remotes Sensing) Technologies in Agricultural Field	İsmail Rakıp KARAS, Karabük University, TURKEY
10:45-11:00 hrs	Role of ICTs in Agriculture, Biotechnology and Food Security: Case of computer simulated path analysis in predicting yield and quality of agricultural produce.	Fikayo Ezekiel BABATUNDE, University of the Gambia, GAMBIA
11:00-11:15 hrs	Orphan crops in agroforestry: an approach for sustainable agriculture and circumventing environmental challenges in Africa	Alix Frank Rodrigue IDOHOU, Lab of Biomathematics and Forest Estimations, BÉNIN
11:15-11:30 hrs	Insécurités et gestion de la mobilité pastorale par les TIC en zone soudano-sahélienne du Cameroun	Natali Kossoumna LIBA'A, Université de Maroua CAMEROUN
11:30-11:45 hrs	Precision forestry towards sustainable forest management	Said Lahssini, Ecole Nationale Forestière d'Ingénieurs, Morocco



Time	Activity	Speaker
11:45-12:00 hrs	The Role of Agricultural Extension in the Development of ICT Functions, with the aim of Sustainable Rural Development	Negin Fallah Haghghi SEIGHALANI, IROST, IRAN
12:00-12:15 hrs	The potential of novel African isolates of spodoptera littoralis nucleopolyhedrovirus for the control of Tomato pest spodoptera littoralis	Saoussen Ben Tiba, CRRHAB, TUNISIA
12:15-12:45 hrs	Discussions and Q&As	
12:45-14:00 hrs	Lunch Break	
Day 1 (Nov 04, 2019): Session – 2 Climate Change adaptation for Sustainable Agriculture Moderator: Dr Lazhar KHRIJI, Sultan Qaboos University, OMAN Reporters: Dr Etinosa Igbinosa, University of Benin, Benin City, NIGERIA and Dr. Natali Kossoumna Liba’A, CAMEROON		
14:00-14:15 hrs	Decoding wheat adaptation by Triticum population sequencing	Fei LU, Chinese Academy of Sciences, CHINA
14:15-14:30 hrs	Amélioration de la résilience des populations locales par l’utilisation d’une technique de saignée améliorée de la gomme de Sterculia setigera au Sénégal	Mamoudou Abdoul TOURE, ISRA, SENEGAL
14:30-14:45 hrs	La mise à l’échelle des techniques d’agriculture intelligentes face au climat: l’approche du CILSS	Maguette KAIRE, CILSSCRA, SENEGAL



Time	Activity	Speaker
14:45-15:00 hrs	Stratergies for Sustainable Crop Production Intensification Sultan.	Muhammad Farooq Qaboos University, OMAN
15:00-15:15 hrs	Discussions and Q&As	
Day 1 (Nov 04, 2019): Session – 3 Crop improvement, protection and management Moderator: Dr Ahmad T AL-TAANI , Yarmouk University, JORDAN Reporters: Dr Muhammad Farooq Qaboos University, OMAN & Fei LU , Chinese Academy of Sciences, CHINA		
15:15-15:30 hrs	Artificiel Intelligence Based Techniques for Omani’s Dates Classification	Lazhar KHRIJI , Sultan Qaboos University, OMAN
15:30-15:45 hrs	Plant growth regulators loaded silver nano-bullets effect growth of tomato (F1 hybrid super-special) seedling plugs	Muhammad ADIL , University of Karachi, Pakistan
15:45-16:00 hrs	Genetic structure of populations of Rhizoctonia solani AG1-IA from rice in China, Japan and The Philippines	Christian Joseph Cumagun , University of the Philippines PHILIPPINES
16:00-16:15 hrs	Soil health, Weed dynamics and productivity of wheat and desi chickpea in long-term rice-based conventional and conservation production systems	Leila Romdhane , University of Carthage, TUNISIA
16:15-16:30 hrs	Discussions and Q&As	
16:30-17:00 hrs	Coffee Break & Poster discussions	



Time	Activity	Speaker
17:00-18:30 hrs	<p>Workshop 1 for TYAN member only</p> <p>Moderator: Dr Bolanle OJOKOH Federal University of Technology, Nigeria</p> <p>Reporter: Dr. Christian Joseph Cumagun, University of the Philippines PHILIPPINES</p> <p>Agriculture and Sustainable Development / Crop Improvement, Protection and Management/ Climate Change Adaptation for Sustainable Agriculture</p> <p>Initiation and discussion of Collaboration possibility between TYAN members (TGCA grant)</p> <p>Brainstorming and recommendation to the policy makers</p> <p>Presentation of Workshop 1 outcomes</p>	
19:00-21:00 hrs	Break - Dinner	
Day 2: November 05, 2019 (Tuesday)		
<p>Day 2 (Nov 05, 2019) : Session – 4</p> <p>Food Nutrition Security: new concepts and strategies</p> <p>Moderator: Dr. Mossad A Abdel-Wahhab National Research Center, EGYPT</p> <p>Reporter: Muhammad ADIL, University of Karachi, Pakistan</p>		
08:30-08:45 hrs	Beneficial Microorganisms from Sri Lankan Dairies as Candidates in Nutrition, Healthcare and Biochemical Industries	Deepani Upeka RAJAWARDHANA , ITI, SRI LANKA
08:45-09:00 hrs	Personalized Diet Recommender System using Anthropometric Indices	Bolanle Ojokoh , Federal University of Technology, NIGERIA
09:00-09:15 hrs	Future biofuel from microalgae and cyanobacteria	Zayadan Bolatkhan , Al-Farabi Kazakh National University, KAZAKHSTAN
09:15-09:30 hrs	Performance Evaluation of Collard Based Bio-Filter for Treating Fish Tank Effluent for Re-use.	Lawrence Obeti Grism , Busitema University, UGANDA



Time	Activity	Speaker
09:30-09:45 hrs	Effects of fermentation and extrusion on the proximate and organoleptic composition of unripe plantain and pigeon pea blends.	Anthony OJOKOH , Federal University of Technology NIGERIA
09:45-10:00 hrs	New Era in Solving Water Scarcity for Agriculture-Food systems	Ramia ALBAKAIN University of Jordan, JORDAN
10:00-10:30 hrs	Discussions and Q&As	
10:30-11:00 hrs	Coffee Break & Poster discussions	
Day 2 (Nov 05, 2019): Session – 5 Medicinal plants for industry and Biotechnology application Moderator: Dr. Deepani Upeka RAJAWARDHANA , ITI, SRI LANKA Reporter: Dr Ramia ALBAKAIN University of Jordan, JORDAN		
11:00-11:15 hrs	Behind the scenes of symbiotic relationships, exploitation for better plants and marine soft corals life using metabolomics	Mohamed FARAG , American University in Cairo, EGYPT
11:15-11:30 hrs	Cytotoxic and Genotoxic Effect of Purified Lantadene (A) Loaded by Synthesized Gold Nanoparticles on Tumor Cell Lines.	Emad Yousif Al-Sarraj , Al-Nahrain University, IRAQ
11:30-11:45 hrs	Medicinal and Functional Values of Natural Antioxidants.	Eqbal Mohammed Abdu Dauqan , University of Agder, NORWAY
11:45-12:00 hrs	Synthesis and characterization of novel coumarins: Medicinal and Biological activities.	Ahmed Al-Amiery , University of Technology, IRAQ
12:00-12:15 hrs	Recent Advances of AI in Agriculture and Food Security	Ahmad T Al-Taani Yarmouk University, JORDAN



Time	Activity	Speaker
12:15-12:30 hrs	Biosynthetic potential of novel bioactive Streptomyces recovered from Escravos River, Delta State Nigeria	Etinosa Igbinosa , University of Benin, Benin City, NIGERIA
12:30-12:45 hrs	A Comparative Metabolomic Study on Field Grown Desi and Kabuli Varieties of Chickpea (<i>Cicer arietinum</i> L.) under Irrigated and Drought Stress Conditions	Syed Ghulam Musharraf , University road, PAKISTAN
12:45-13:00 hrs	Curcumin Derivatives from Tumeric Medicinal Plant: Promising Novel Drug Candidates against Rheumatoid Arthritis targeting Macrophage Migration Inhibitory Factor (MIF)	Abul Bashar Mir Md Khademul Islam , University of Dhaka, BANGLADESH
13:00-13:15 hrs	Discussions and Q&As	
13:15-14:30 hrs	Lunch Break	
14:30-17:00 hrs	<p style="text-align: center;">Workshop 2 for TYAN member only</p> <p>Moderator: Dr. Eqbal Mohammed Abdu Dauqan, University of Agder, NORWAY</p> <p>Reporters: Dr Ahmed Al-Amiery, University of Technology, IRAQ & Abul Bashar Mir Md Khademul Islam, University of Dhaka, BANGLADESH</p> <p style="text-align: center;">Food Nutrition Security: new concepts and strategies / Medicinal plants for industry and Biotechnology application / Food safety</p> <p>Initiation and discussion of Collaboration possibility between TYAN members (TGCA grant)</p> <p>Brainstorming and recommendation to the policy makers</p> <p>Presentation of Workshop 2 outcomes</p>	
19:00-21:00 hrs	Break - Dinner	



Time	Activity	Speaker
Day 3: November 06, 2019 (Wednesday)		
Day 3 (Nov 6, 2019): Session – 6		
Food safety regulation and standards		
Moderator: Dr. Said Lahssini , Ecole Nationale Forestière d'Ingénieurs, Morocco		
Reporter: Bolanle Ojokoh , Federal University of Technology, NIGERIA		
09:00-09:30 hrs	The work of the international expert committees of FAO/WHO JECFA and JMPR	Angelo Moretto , Università degli Studi di Milano, ITALY
09:30-09:45 hrs	Application of foodomics for the promotion of food safety and food security	Mossad A. Abdel-Wahhab , National Research Center, EGYPT
09:45-10:00 hrs	Occurrence of Toxigenic Fungi, Aflatoxins and ochratoxin A in Algerian wheat, dried figs and nuts	Amar Riba , Université M'Hamed Bougara, ALGERIA
10:00-10:15 hrs	Cattle owners' perception of the impact of bovine trypanosomosis in East Darfur state- the Sudan	Wisal Elnour Mohamed ELHASSAN , CVRL, SUDAN
10:15-10:30 hrs	Resistance and Virulence Determinants of Faecal Salmonella spp. isolated from Slaughter Animals in Benin	Nana Mariana, Maman Chabbert Université d'Abomey-Calavi, BENIN
10:30-10:45 hrs	Discussions and Q&As	
10:45-11:15 hrs	Coffee Break	
11:15-12:00 hrs	Closing Ceremony Certificate distribution Closing remarks	
12:00-13:00 hrs	Lunch Break	
Visit & social event		