



## Programme outline

**17 September**

Mid-term meeting of MedYWat "Med Water Youth Network facilitation and coordination group"

Arrival-Registration

**18 September**

### Opening Session

Chair: Maroun El Moujabber - CIHEAM Bari

09:00-09:30

Welcome addresses

**(#MEDFORUM2018 WA)**

**Maurizio Raeli** - CIHEAM Bari Director

**Giuseppe Provenzano** - Union for the Mediterranean "UfM"

**Janette Uhlmann** - Center for Mediterranean Integration "CMI"

**Placido Plaza** - CIHEAM Secretary General

09:30 - 10:30

Keynote speeches

**(#MEDFORUM2018 KS)**

Sustainable Agriculture, Food and Nutrition Security

**Marcela Villarreal** - Director, Partnerships and South-South Cooperation Division, FAO

Higher education in Sustainable Agriculture, Food and Nutrition Security: challenges and needs

**Pierre Grenier** - Agreenium - France

Parthenope University and CIHEAM Bari: a Decade of Success and the Way Ahead

**Stefano Dumontet** - Parthenope University of Naples, Italy

General discussions

End of the opening session and family photo with the graduation hat

**10:30 - 11:00**            **Coffee break**

**Session (1)**            **Protecting the Planet: Combating Waste**  
**Chair: Nahla Hwalla - President of CIHEAM Advisory Board**

**11:00-12:00**            **Keynote addresses**  
**(#MEDFORUM2018 Session 1 KN)**

CIHEAM Alumni Network: Avoiding knowledge Waste through Follow-up Research Study

**Noureddin Driouech - CIHEAM Bari**

FAO-CIHEAM field research initiative Call for PhD students and young researchers  
**Emma McInerney - Partnerships Officer, Partnerships and South-South Cooperation Division, FAO and Maroun El Moujabber - CIHEAM Bari**

Methods, technologies and devices to reduce non-beneficial water consumption on farms in water scarce regions

**Nebo Jovanovic - University of the Western Cape, South Africa**

#### **General discussions**

**12:00-13:30**            **PhD & Young Researchers Oral Presentations**  
**(#MEDFORUM2018 Session 1 OP)**

Modernization of surface irrigation systems in a Water - Food - Energy Nexus perspective: modelling approach

**Ahmed Ayoub - Egypt**

Anaerobic co-digestion of olive mill wastewater with municipal wastewater and cow dung

**Anas Tallou - Morocco**

The Hydrant risk indicator for Pressurised Irrigation Systems Perturbation

**Bilal Derardja - Algeria**

Valorization of Nador lagoon algae and proposal to use it as a means of elimination of the eutrophication in this lagoon

**Ouahid EL-Asri – Morocco (tbc)**

Agricultural Roofs: Sustainable Systems to mitigate Climate Change impacts and make Resilient Cities.

**Gilda Capano and Stefania Palermo - Italy**

Application of partial root zone drying and deficit irrigation to improve fruit quality in an early maturing peach.

**Ines Toumi – Tunisia (tbc)**

Characterization of Water and Soil Quality of the M'nasra region in the Gharb plain (Northwest Morocco)

**Serine Omrania – Morocco**

Heating an agricultural greenhouse with a solar passive water–sleeve system: Effects on microclimate, yield and *Tuta absoluta* population

**Lahoucine Gourdo – Morocco**

Etude de l'efficacité d'un système de pompage hybride (photovoltaïque / électrique) pour une meilleure gestion du milieu rural

**Naima Mebrek – Algeria (tbc)**

**General discussions**

**13:30-15:00** Lunch

**Session (2)** Inclusive Development

Chair: Mélanie Requier-Desjardins - CIHEAM Montpellier

**15:00-16:00** PhD & Young Researchers Oral Presentations

**(#MEDFORUM2018 Session 2 OP)**

Transformations spatiales et dynamiques socio-environnementales de l'oasis de Ouargla. Typologie des exploitations et acteurs en place.

**Abdelkader Salhi – Algeria (tbc)**

Comment s'organise une action collective coopérative d'économie circulaire entre les divers acteurs d'un territoire ? Le cas du Plan régional d'actions d'économie circulaire, en Occitanie.

**Anne-Claire Savy-Angeli - France**

L'étoffe "Ouabri" à poils de dromadaire de la région de Djelfa-Algérie. Une filière essentielle pour la sécurité alimentaire

**Amal Kanoun-Meguellati - Algeria**

Une nouvelle méthode à partir des traces GPS des cueilleurs en vue de la gestion durable des plantes aromatiques et médicinales en Albanie

**Valter Hoxha - Albania**

Contributing the feed sustainability in aquaculture: Nutritional programming of gilthead sea bream (*Sparus aurata*) and improvements towards better utilization of low n-3 HUFA diets

**Serhat Turkmen - Turkey**

**General discussions**

**Session (3)** PhD & Young Researchers Poster and PhD in 180" Presentations  
Divided in two parallel sessions

16:00-1800

Parallel session 1: PhD in 180''

Chair : Roula Khadra – CIHEAM Bari

*(#MEDFORUM2018 Session 3 PS1: PhD)*

Evaluation de la résistance de génotypes de pois (*Pisum* spp.) vis-à-vis de la fusariose vasculaire

**Delel Mekhaldi – Algeria**

L'utilisation des sucres de commerce pour lutter contre le carpocapse des pommes et des poires (*Cydia pomonella* L.) dans la région de Lambiridi (Wilaya de Batna, Algérie)

**Imene Brahim - Algeria**

Agriculture traditionnelle et agrobiodiversité dans les oasis du Sud du Maroc : cas de des oasis de la région Drâa-Tafilalet

**Mhammad Houssni – Morocco**

Developing a Color Scale as a New Methodology in Sensory Science: Detecting Emotions Evoked by Organic Food Consumption

**Diana Ismael - Syria**

Development and application of alternative control methods to control postharvest rots of fresh fruits and vegetables

**Imen Belgacem - Tunisia**

Development of a field recording protocol to investigate the vibro-scape composition of a site where *Philaenus spumarius* is established

**Imane Akassou - Morocco**

Water problem in Libya

**Jamal Ali Mohamed Ehdadan - Libya**

Plasticity of blackcurrant in a changing climate; focus on water efficiency

**Natasa Cerekovic - Bosnia&Herzegovina**

*Zelus renardii* (Hemiptera Reduviidae) a leafhopper assassin bug candidate for adult *Philaenus spumarius* biocontrol

**Valdete Sefa - Albania**

Investigation and characterization of phytoplasma infecting *Ligustrum ovalifolium* plants in Turkey

**Zeinab Alsaheili - Lebanon**

**General discussions**

16:00-1800

Parallel session 2: PhD & Young Researchers Poster Presentations

Chair: Mladen Todorovic – CIHEAM Bari

(#MEDFORUM2018 Session 3 PS2: PP)

Valorisation et recyclage et de la biomasse issue de l'industrie agroalimentaire sucrière  
**Amine Ouaket – Morocco**

Valorisation des produits du terroir Algérien  
**Naziha Fedala – Algeria**

Potentialities of using Tunisian Rock phosphate: an alternative insight for sustainable agriculture  
**Ameni Ben Zineb - Tunisia**

An assessment of wood bioenergy utilization in a compared analysis between Missouri and Emilia Romagna  
**Edoardo Desiderio - Italy**

An integrated process for biodiesel production and food industry wastewater treatment using the oleaginous yeast *Debaryomyces etchellsii*  
**Fatma Arous - Tunisia**

Activity of Biochar on the Effectiveness and Persistence of Some Insecticides against *Spodoptera littoralis* (Boisduval) on Cotton Plants  
**Ghada EL-Masry - Egypt**

Crop Water Requirements estimation from open satellite and agro-meteorological data  
**Giuseppe Peschechera - Italy**

Irrigation water use efficiency in the context of climate change - Case of citrus in Souss region, Morocco  
**Icham Elomari – Morocco (tbc)**

Comparison of CAS vs. MBR in Hebron city wastewater treatment plant for the reuse of effluent in agriculture  
**Omar Alzeeralhouseini - Palestine**

Participatory multi-criteria analysis of irrigation management: a case study from Albania  
**Kledja Canaj – Albania**

An integrated Decision Support tool for eco-efficiency assessment of agricultural production  
**Andi Mehmeti – Albania**

Precision agriculture for mapping olive grove facing drought challenges in Apulia region  
**Nada Mzid - Tunisia**

Isolation and use of Plant Growth Promoting Bacteria from an abandoned mine site for its rehabilitation

**Najoua Mghazli - Morocco**

Cultural landscapes for water management - A research work plan

**Stefano Basso - Italy**

Traditional irrigation techniques in an agroecological perspective

**Vladimiro Andrea Boselli - Italy**

The influence of inulin addition on nutritional composition of spelt pasta

**Jelena Perović - Serbia**

Optimization of the extrusion process in creation of snack products from spelt wholegrain flour with added betaine

**Jovana Kojić - Serbia**

Stability of ellagic acid from raspberry seeds during the extrusion process

**Boško Marić - Serbia**

Microbial oil production from yeast growing on the hydrolysate of prickly pear

**Chebbi Halima - Tunisia**

#### General discussions

Session (4)

Success stories

Chair: Giuseppe Provenzano, Union for the Mediterranean "UfM"

*(#MEDFORUM2018 Session 3 SS)*

18:00-19:30

Animated by Nouredin Driouech - CIHEAM Bari and Yasmine Seghirate - CIHEAM

- Joséphine Semaan - Lebanon
- Paul Skayem - Lebanon
- Fatima Ayoub - Morocco
- Ali Tamween Ajeel - Iraq
- Ahmed Sayed - Egypt

20:00

CIHEAM Prize to the Best MSc Theses for the year 2017

Apulian typical dinner with folkloristic dance and music

Les Conteuses du Maghreb (Algeria, Morocco, Tunisia)

**19 September**

**Session (5) Food Security and Nutrition**  
**Chair: Panagiotis Kalaitzis - CIHEAM Chania**

**09:00-09:30 Keynote address**  
**(#MEDFORUM2018 Session 5 KN)**

Food security and CAPMED agenda  
**Nahla Hwalla - President of CIHEAM Advisory Board**

**09:30-11:00 PhD & Young Researchers Oral Presentations**  
**(#MEDFORUM2018 Session 5 OP)**

Biocontrôle de *Listeria monocytogenes* CECT 4032 dans le lait et les produits laitiers, à l'aide d'une souche bactériocinogène de *Lactococcus lactis* isolée à partir du lait de chamelle fermenté du Maroc

**Abdelkhalik Elmoslih - Morocco (tbc)**

Alterations in the expression of tomato prolyl 4 hydroxylase 3 induces alterations in fruit ripening related to phytonutrients content

**Aline Monzer - Lebanon**

Phenotypical characterization and evaluation of a segregating population of sweet cherry (bing x lapins)

**Alson Time - Haiti**

Supplementation commercial prebiotic « Aviator » of broiler diet: Effect of stages of breeding on performances and caecal microflora

**Amani Askri - Tunisia**

Classification of Pulses Specific Diversity for the Provision of Three Ecosystems Services: Biological Nitrogen Fixation, Weed Suppression, and Production Stability under Mediterranean conditions

**Julie Pitchers - France**

The difficulty of measuring biological assets under IAS 41: Agriculture

**Amine Azhari – Morocco**

Effects of post-harvest low temperature conditioning of olive fruit on oil quality parameters

**Dourou Athanasia-Maria - Greece**

**General discussions**

**Parallel session 1: Chair : Mélanie Requier-Desjardins – CIHEAM Montpellier**  
**(#MEDFORUM2018 Session 5 PS1: PP)**

Effect of Moroccan seaweed polysaccharides as biostimulants of Germination and Plant Growth of tomato plants (*Solanum lycopersicum* L.)

**Abir Mzibra – Morocco**

*Penicillium gravinicaei*, a new species isolated from cave cheese in Apulia, Italy

**Antonella Susca - Italy**

Cucurbit chlorotic yellows virus p22 binds single-stranded RNA molecules

**Ferran Pamblanco Salavert - Spain**

Molecular, mycotoxin and phylogenetic characterization of *Alternaria* species from wheat grown in Italy.

**Francesca Anna Ramires - Italy**

Screening of effective native common bean (*Phaseolus vulgaris*) rhizobia and their use in mixed inocula with Plant Growth Promoting Rhizobacteria under different phosphorus conditions

**Imane El Attar - Morocco**

Bioactives metabolites for the antifungal and Plant Promoting Growth activities among Plant-associated Bacteria of *Vicia faba* L.

**Imen Haddoudi - Tunisia**

*Rhizobium laguerreae* in combination with *Enterobacter aerogenes* and *Bacillus* sp improves lentil water stress tolerance

**Kaoutar Taha - Morocco**

Une agriculture durable au service d'une alimentation durable : La culture de l'olivier dans la steppe algérienne.

**Malika Zoubeidi - Algeria**

Impact du climat sur les accroissements et la qualité du liège dans la suberaie de Beni Ouarsous (Nord-Ouest d'Algérie)

**Ahmed Chorana - Algeria**

Est-ce que les plantations de palmiers dattiers et l'oasification peuvent être utilisées comme moyen de lutte contre la désertification et l'avancement du sable dans les zones arides ?

**Ali Mihi - Algeria**

Durabilité des systèmes d'élevage pastoraux face aux changements environnementaux dans la steppe algérienne

**Mohamed Benidir - Algeria**



## General discussions

### Parallel session 2: Chair: Ramzi Belkhodja – CIHEAM Zaragoza (#MEDFORUM2018 Session 5 PS2: PP)

Assessment of the current situation of organic food consumption in an emerging organic market (Lebanon)

**Malak Tleis – Lebanon**

Controlling *Aspergillus niger* using chia essential oil and gemifloxacin-metal complexes

**Shimaa Sakr - Egypt**

Preliminary analysis of the growth performance of adults and larvae of *Tenebrio molitor* (Coleoptera: Tenebrionidae) on diets based on by-products

**Somaya Nasereldeen - Lebanon**

Indigenous food formulation: which nutritional value of legume-based traditional Mediterranean dishes?

**Sondos Njoumi - Tunisia**

Pb-resistant PGPR effect on antioxidant status and genes expression pattern associated with lead tolerance and accumulation in *Lathyrus sativus*

**Souhir Ayeid Abdelkrim -Tunisia**

Patulin effects on viability of *Penicillium* spp.

**Vincenzo Tragni - Italy**

Assessment of the resilience of cereal-based cropping systems in the Mediterranean area: The Bekaa case study

**Ali Nasrallah - Lebanon**

Trapping methodologies for functional canopy arthropod diversity in olive agroecosystem

**Anastazija Dimitrova - Macedonia**

Metagenomic investigation of endophytic microorganism's populations diversity and their interaction with *Xylella fastidiosa* in olive trees and other hosts.

**Arafat Hanani - Palestine**

Insecticidia Activity of bio-oils and biochar as pyrolysis products and their combination with microbial agents against *Agrotis ipsilon* (Lepidoptera: Noctuidae)

**Atef Mahmoud Mohamed Sayed - Egypt**

## General discussions

**Parallel session 1: Chair : Mélanie Requier-Desjardins – CIHEAM Montpellier**  
**(#MEDFORUM2018 Session 5 PS1: OP)**

Evaluation des composés phénoliques et des activités antioxydantes des figues (*Ficus carica* L.) en Tunisie

**Fateh Aljane - Tunisia**

Evaluation des facteurs structurels d'insécurité alimentaire pour une bonne gouvernance au Maroc : Cas du blé tendre

**Kawtar Rerhrhaye - Morocco**

Gouvernance de la sécurité alimentaire au Maroc : Défis et Opportunités

**Larbi Toumi - Morocco**

Effet des biostimulants en plein champs sur le développement de *Zymoseptoria tritici* chez le blé dur en Tunisie.

**Marwa Hassine – Tunisia (tbc)**

Etude de l'effet de la composition hormonale du milieu de multiplication sur le comportement des microboutures de l'arganier (*Argania spinosa*)

**Meriyem Koufan – Morocco**

Recherche des résidus de pesticides dans les tomates et évaluation de leur risque sur le consommateur Algérien

**Moussa Mokhtari - Algeria**

Potentiel allélopathique de chiendent pied de poule *Cynodon dactylon*, sur la germination et la croissance de blé dur (*Triticum durum* Desf.)

**Zohra Melakhessou - Algeria**

**General discussions**

**Parallel session 2: Chair: Ramzi Belkhodja – CIHEAM Zaragoza**  
**(#MEDFORUM2018 Session 5 PS2: OP)**

Suppression and over-expression of a prolyl 4 hydroxylase is responsible for changes in tomato fruit abscission

**Dusan Denic - Serbia**

Obtaining double haploids of radish in culture microspore in vitro

**Elena Kozar - Russia**

First microscopic detection of oocysts of *Cryptosporidium* spp. in *Mytilus chilensis* cultivated in Chile destined for human consumption

**Juan Francisco Eliseo Quiroga Sepulveda - Chile**

Suppression of a tomato prolyl 4 hydroxylase alters fruit growth programs

**Khansa Mekkaoui - Tunisia**

Producing beef meat under hard livestock conditions by crossing cattle with Belgian Blue-White breed

**Lynda Allouche - Algeria**

Innovation in Mediterranean organic greenhouse cultivation: protect the crops and protect soil arthropods

**Madzaric Suzana - Bosnia&Herzegovina**

Overexpression of prolyl 4 hydroxylase 3 decreases tomato fruit and flower size

**Mohamed Kouhen - Tunisia**

Effect of NaCl and harvest time on antioxidant compounds in Lollo Bionda and Lollo Rosso lettuces

**Mónica Flores Ramírez - Chile**

**General discussions**

**13:30-15:00**

**Lunch**

**Session (6)**                      **Continuation Food Security and Nutrition**  
**Chair: Ramzi Belkhodja - CIHEAM Zaragoza**

**15:00-15:30**                      Development, innovation and mobility: opportunities and challenges for the youth in the Mediterranean  
**Blanca Moreno-Dodson - CMI, France**

**General discussions**

**15:30-17:30**                      **PhD & Young Researchers Oral Presentations**  
**(#MEDFORUM2018 Session6 OP)**

Computational motif discovery in promoters of *Prunus persica* co-regulated genes under various abiotic-stresses

**Najla Ksouri - Tunisia**

Does taste matter? The importance of taste in the valuation of European Union mandatory nutritional and health claim labelling program in Spain

**Petjon Ballço -Albania**

Traceability, authentication, adulteration and labelling of commercial olive oil using multidisciplinary innovative system based on DNA trace approaches

**Rayda Ben Ayed – Tunisia (tbc)**

Effect of liquid extracts of three brown algae on growth of two vegetable crops: tomato (*Solanum lycopersicum*) and pepper (*Capsicum annuum*).

**Said Baroud – Morocco (tbc)**

Sprouting: A sustainable tool for enhancing prebiotic properties of durum wheat seeds (*Triticum durum*)

**Sarra Jribi - Tunisia**

Study of radioprotective molecules and radioresistant microorganisms isolated from xerophytes: Applications in biodosimetry

**Sihem Guesmi - Tunisia**

Innovative agriculture and sustainable food production: applications of the Acquaponics system

**Simona Giordano - Italy**

Comparative characterization of olive prollyl 4 hydroxylases and cell wall glycoproteins in Greek olive cultivars under climate change conditions

**Aristotelis Azariadis - Greece**

Preliminary bioassays on the susceptibility of stone fruits rootstocks to *Capnodis tenebrionis* (L.)

**Hysen Kokici - Albania**

**General discussions**

17:30-19:00

PhD & Young Researchers Poster Presentations

Chair: Pierre Grenier – Agreenium, France

**(#MEDFORUM2018 Session6 PP)**

Environment investigating phages. Salmonella-phage model in animal systems from Chile.

**Dácil Rivera - Chile**

Enrichment of the hydrological lexicon as a consequence of a climatic and anthropogenic transition phase

**Dario Pezzotti - Italy**

Exploring survival strategies of *Camelina sativa* to flooding conditions

**Haytham Hamedeh - Lebanon**

Preliminary investigation of antimicrobial effects of pomegranate (*Punica granatum* L.) leathery exocarp extract against some serious phytopathogens

**Hazem Elshafie - Egypt**

Identification of volatiles released by fruit-associated yeasts for the specific attraction of *Drosophila suzukii* in the field

**Irene Castellan - Italy**

Possible climate change impact on occurrence of *Aspergillus flavus* on spelt wheat in Serbia

**Jelena Krulj - Serbia**

Application of a real-time quantitative LAMP assay for the detection of *Phytophthora infestans* airborne inoculum

**Mélissa Si Ammour - Algeria**

The occurrence and distribution of major viruses infecting zucchini squash plants (*Cucurbita pepo* L.) in Morocco

**Mohamed Afechtal – Morocco (tbc)**

Development of Direct Tissue Blot Immunoassay (DTBIA) as an efficient tool for the on-site detection of *Spiroplasma citri*, causal agent of Citrus stubborn disease

**Mounira Inas Drais - Algeria**

*Xylella fastidiosa* vectors and their management

**Nada Lahbib - Tunisia**

Food industry by-products as natural sources of nematicide against the root-knot nematode *Meloidogyne incognita*

**Nadia Thligene -Tunisia**

The behaviour of the Algerian vegetable crops farmers handling a panoply of phytosanitary products.

**Nafissa Soudani - Algeria**

Use of a novel MLVA assay as a promising genotype tool for the identification and tracking of *P. savastanoi* population

**Rahi, Yaseen Jundi - Iraq**

The hydraulic transfers 'Setif –Hodna' to cope with impact of climate change on Setif high plains region

**Tarek Bouregaa - Algeria**

Study of tritrophic interactions in apple orchards to enhance sustainable management of pest aphids

**Zaid George Abdallah Badra - Jordan**

**General discussions**

20:00

**Live music with CIHEAM Bari Band and Barbecue**

**20 September**

**Session (7): Crisis and resilience**  
**Chair: Maroun El Moujabber - CIHEAM Bari**

**09:00-09:30** Mediterranean Innovation Partnership (MIP)  
**Damiano Petruzzella - CIHEAM Bari**

**09:30-12:00** **PhD & Young Researchers Oral Presentations**  
**(#MEDFORUM2018 Session 7 OP)**

Proposition d'un cadre méthodologique pour l'évaluation de la vulnérabilité des exploitations agricoles au changement climatique

**Abderraouf Zaatra - Tunisia**

Stratégies d'adaptation de la culture du blé dur face aux changements climatiques futurs en Algérie : 1- Gestion des semis.

**Nacira Chourghal - Algeria**

Rotting fungi of pomegranate fruit from Southern Italy

**Annamaria Mincuzzi - Italy**

Etude Epidémiologique Moléculaire de l'immunodéficience sévère combinée chez les chevaux Pur-Sang Arabes en Tunisie

**Ikram Ben Souf - Tunisia**

Clinical bovine mastitis in Tunisia: Epidemiology, antimicrobial resistance and detection of extended spectrum beta-lactamase producing Enterobacteriaceae

**Mariam Saidani - Tunisia**

Anti-bacterial and anti-biofilm activity of *Enterococcus* spp against *Staphylococcus aureus*

**Mariam Zanzan - Morocco (tbc)**

Seedling VOCs induce host preference in *Bagrada hilaris* Burmeister

**Mokhtar Abdulsattar Arif - Iraq**

La composition chimique et l'effet insecticide d'huile essentielle *Mentha spicata* endémique sur puceron noir de la luzerne *Aphis craccivora*, 1854.

**Rayane Saifi - Algeria**

Evaluation of *Fusarium* Head Blight resistances in Italian wheat cvs. by phenotypic and molecular analyses

**Sara Francesconi - Italy**

Bacterial overexpression, purification and antiserum production for a theoredoxin-like protein, an interactor of Pepino mosaic virus p26

**Souheyla Khechmar - Algeria**

Photosynthetic down regulation in red and white Tempranillo under different climate change scenarios

**Tefide Kızıldeniz - Turkey**

Integrated Pest Management system within Urban agriculture

**Zilal Suleiman-Alkadour - The Netherlands**

**General discussions**

**12:00-13:30 Session (8): Final session**

***(#MEDFORUM2018 Session8 FS)***

Concluding remarks

**Placido Plaza - Secretary General of CIHEAM**

**Nahla Hwalla - President of CIHEAM Advisory Board**

**13:30**

**End of the Forum and Networking lunch**