



# IARTC newsletter

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## 13<sup>th</sup> AARINENA International Conference

13<sup>th</sup> General Conference of AARINENA (Association of Agricultural Research Institutions in the Near East & North Africa) and the International Conference on Water Management and Use Efficiency in the Near East and North Africa was organized in IARTC between 29 September 2014 – 02 October 2014. Directors General of research and specialists on extension and water from 19 member countries of AARINENA (Algeria, Cyprus, Egypt, Iran, Iraq, Jordan, Kuwait, Lebanon, Libya, Morocco, Oman, Palestine, Qatar, Saudi Arabia, Sudan, Tunisia, Turkey, United Arab Emirates, Yemen)



and also representatives of FAO, GFAR, ICARDA participated to the conference.

Director General Assoc. Prof. Dr. Masum Burak mentioned in his opening speech that NENA region had become a place of suffering in-between major social and political issues which also threaten food security; on the other hand, Turkey was a Net Food Exporter in this region.

During the conference, keynote speakers made presentations in the sessions on enhancing water use efficiency, conservation and reuse of marginal quality water and policies of water resources use in agriculture.

Besides, an exhibition with the participation of several companies and public institutions which operate in the agricultural sector was organized on 29th September 2014. During the conference technical visits was organized to Mani-



sa-Alaşehir for sub-irrigation application site in vineyards of farmers and to the Rust Pathology and tissue culture laboratory of ICARDA and Gene-Bank in the Aegean Agricultural Research Institute.

In the AARINENA Board Meeting according to its regulations elections were held for new representatives for 5 sub-regions, president and vice president of AARINENA. Turkey was selected as the representative for West Asia Sub-Region (Iran, Turkey, and Pakistan) and Vice President, Tunisia was selected as President of AARINENA.

## 10 International Trainings were held in 2014

Subject	Date	Deadline
2 <sup>nd</sup> International Course on Agricultural Mechanization and Information Technologies	12-16 May 2014	Completed
5 <sup>th</sup> International Course on Sustainable Management of Soil and Water Resources	16-27 June 2014	Completed
3 <sup>rd</sup> International Course on Gene Bank Management and Biodiversity	18-22 August 2014	Completed
2 <sup>nd</sup> International Course on Plant Nutrition and Soil Management	01-05 September 2014	Completed
2 <sup>nd</sup> International Course on Agricultural Irrigation	15-19 September 2014	Completed
International Course on Agricultural Research and Extension	22-26 September 2014	Completed
International Course on Food Safety and Additives	13-17 October 2014	Completed
3 <sup>rd</sup> International Course on Watershed Hydrology and Soil Conservation	20-24 October 2014	Completed
4 <sup>th</sup> International Course on Integrated Pest Management "Alternative Methods for Reduction of Pesticide Use"	03-07 November 2014	Completed
3 <sup>rd</sup> International Course on Organic Farming	08-12 December 2014	Completed



## 2<sup>nd</sup> International Course on Plant Nutrition and Soil Management

2<sup>nd</sup> International Course on Plant Nutrition and Soil Management was held in IARTC with 11 participants from Iraq, Pakistan, Iran, Sudan, Bulgaria and Morocco between 08-12 September 2014.

Specialists from General Directorate of Agricultural Research

and Policies, Middle Black Sea Transitional Zone Agricultural Research Station, IARTC and professors from universities instructed lectures about fertilization practices, organic farming, biological nitrogen fixation, plant nutrition in soilless agriculture, sustainable agriculture,

precision farming technologies and practices in Turkey and land use planning.

A technical trip to Genel Seracılık INC. which is located in Manisa Turgutlu was organized, and taken information about vegetable production by hydroponic systems in greenhouses.

## 2<sup>nd</sup> International Course on Agricultural Irrigation

2<sup>nd</sup> International Course on Agricultural Irrigation was held in IARTC between 15 – 19 September 2014 with 15 participants from Algeria, Egypt, Germany, Iraq, Iran, Kazakhstan, Kosovo, Nigeria and Sudan.

Experts from General Directorate of Agricultural Reform, IARTC, West Mediterranean Agricultural Research Institute and Eğridir

Fruit Research Station and professors from universities instructed lectures on water-yield relations and deficit irrigation, water measurement in irrigation systems, water distribution performance evaluation in open channel irrigation systems, determining water consumption of plants with remote sensing, drip irrigation, mobile irrigation machines,

constructed wetland use in domestic waste water treatment, irrigation in pomiculture, irrigation in greenhouses and use of root area moisture sensors in irrigation programming.

Technical excursion to Agricultural Production, Agricultural Publication and In-service Training Center, Aydın Söke was carried out.

## International Course on Agricultural Research and Extension

International Course on Agricultural Research and Extension was held in IARTC on 22-26 September 2014 with 15 participants from Serbia, Iran, Sudan, Egypt and Morocco.

Subjects on concepts, principals and philosophy of agricultural extension, agricultural extension and consultancy system in Turkey

and EU, agricultural extension programme planning, spreading agricultural innovation, agricultural innovation and success stories in Turkey were lectured by the professors from Ege University Faculty of Agriculture and experts from International Agricultural Training Center, GDAR Department of Education Printing

and Publishing.

Technical trip to Can Yucel Seed Center and Hıdırlık Agricultural Development Cooperation was organized and participants were informed about the extension activities performed for the farmers by visiting İzmir Seferihisar.

## International Course on Food Safety and Additives

1<sup>st</sup> International Course on Food Safety and Additives was held in IARTC on 13-17 October 2014 with 10 participants from Egypt, Iran and Sudan, with the contributions of GDAR Animal Health, Food and Feed Research and Bursa Central Research Institute of Food and Feed Control.

Subjects on food safety concept in dairy industry, new food product development and innovation, ethics in agriculture and food production and marketing, probiotics and prebiotics, applied management systems in ensuring food safety, sensory analysis in food quality, food safety and

smart packaging had been lectured by professors from Ege University, Uludağ University, Bursa Technical University and Erciyes University.

A technical excursion was organized and İzmir Pınar Milk and Meat Production Facilities were visited with the participants.

## 3<sup>rd</sup> International Course on Watershed Hydrology and Soil Conservation

3<sup>rd</sup> International Course on Watershed Hydrology and Soil Conservation was held in IARTC with 11 participants from Algeria, Bulgaria, Iran, Morocco, Slovakia and Tunisia between 20-24 October 2014.

Specialists from Research Institutes and IARTC, also professors from universities instructed lectures about the topics mentioned in the program.

Technical excursion was involved in the program. The pro-

ject site of Determination of Climatic Fluctuations Effects on Olive Trees Grown in İzmir Kemalpaşa with Dendroclimatology Project was visited.

*Knowledge  
expands  
when shared*





## 4<sup>th</sup> International Course on Integrated Pest Management and Alternative Methods for Reduction of Pesticide Use

4<sup>th</sup> International Course on Integrated Pest Management and "Alternative Methods for Reduction of Pesticide Use" was held in IARTC with participants from Algeria, Bangladesh, Bulgaria, Egypt, Iran, Kyrgyz Republic, Kosovo, Morocco, Sudan and Tunisia between 03 – 07 Novem-

ber 2014. Experts from GDAR and research institutes have lectured on approaches on pesticide use reduction, principles of integrated pest management and IPM practices in Turkey, use and effects of plant protection products, pesticide residues, resistance

management in pesticides, biological pest management principles and biological pest management practices in Turkey. Technical excursions to Bornova Plant Protection Research Station, Aydın and Seferihisar were also organized.



## 3<sup>rd</sup> International Course on Organic Farming

3<sup>rd</sup> International Course on Organic Farming was held in IARTC with 17 participants from Sudan, Egypt, Iraq, Kosovo, Iran, Morocco, Macedonia and Nigeria between 08-12 December 2014.

During the course, experts from research institutes and IARTC instructed lectures about organic cotton farming, composting, tillage methods in organic farming, organic poultry farming.

Additionally, a technical trip was organized to a farmer's field in Manisa who works under contract with Rapunzel Organic Farming Company.



## EU-IFAD-ICARDA Technical Coordination and Steering Committee Meeting

Technical Coordination and Steering Committee Meeting on the project "Enhanced Small-Holder Wheat-Legume Cropping Systems to Improve for Security under Changing Climate in The Drylands of West Asia and North Africa" supported by EU-IFAD-

ICARDA was held in IARTC between 19-20 and 22-23 September, 2014.

25 participants along with INRA Secretary General, ARC Director General, IRESA Director, ITGC Director General, IFAD representative, GDAR Deputy Direc-

tor General, ICARDA Deputy Director, FCRI Director General, BIGM Director and national coordinators of the project from Algeria, Egypt, Italy, Jordan, Lebanon, Morocco, Sudan, Tunisia and Turkey participated to the meeting.



## IFAD-TIKA Partnership Project Training

"IFAD-TIKA Partnership Project" Training was held in IARTC with 14 participants from Morocco, Tunisia, Sudan and Yemen between 24-28 November 2014. Experts from research stations and IARTC and professors from universities instructed lectures

on soilless agriculture, wheat production, precision agriculture, post-harvest physiology and losses, integrated and biological pest managements, etique in agriculture and food processing and marketing, water distribution performances, defi-

cit irrigation and irrigation methods. Technical excursion was organized to Aegean Agricultural Research Institute and Gene Bank within the Institute. İzmir Food Control Laboratory Directorate was also visited.



## Training on Explication of Digital Aerial Photographs for Soil Mapping

"Training on Explication of Digital Aerial Photographs for Soil Mapping" which was organized by General Directorate of Agricultural Reform was held in

IARTC between 8-12 December 2014 with 17 soil engineers working at Department of Farmland Assessments. During the training, professors from Ege

and Akdeniz Universities gave lectures.



## MED-AMIN MEETING



In 2011 with the initiative of G-20 Agricultural Market Information System (AMIS) was established within FAO in order to monitor and analyze the markets in staple crops (wheat, maize, rice and soy) and price fluctuations and also to be able take immediate decisions against possible crisis.

In the Ministers Meeting for International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM) in Malta on 27 September 2012 it was emphasized that developing Mediterranean Agricultural Market Information Network (MED-AMIN) was obviously needed.

Within this framework the first meeting to establish Agricultural Market Information Network for Food Safety in Mediterranean Countries was held on 22-23 January 2014 in Paris.

Second meeting in this framework was held in IARTC with the participation of around 30 experts from 12 different Mediterranean countries on 6-7 November 2014.

In the meeting current state was evaluated and datasets for the network, methodologies and data analyses and sharing results were brought up as important issues.

## WORLD SOIL DAY ACTIVITY

World Soil Day which is celebrated every year on the 5 th December since 2002 to emphasize the soil as a critical part in ecology and for human beings' lives was organized in IARTC on 5th December 2014. Especially the issues on 'Soil Conservation, Soil Health and Sustainable Soil Fertility' were discussed at the activity and approximately 90 researchers from institutes and IARTC, professors from Ege University, Directorate of Aegean Agricultural Research Institute, Directorates of Menemen and Foça Provinces of MFAL, Aegean Warm Fertilizer INC., Garanti Seedling and also farmer organizations and farmers from Menemen villages attended.



## ABOUT US...

IARTC works under the General Directorate of Agricultural Research and Policy of Ministry of Food, Agriculture and Livestock. The Center aims to carry out national/international research projects for increasing the agricultural productivity, conservation and sustainable management of natural resources and to hold national/international courses, workshops seminars etc. according to the needs and demands of public sector, private sector, professional organizations and non-governmental organizations. Besides its scheduled programs and projects, IARTC is open to any kind of activities of training programs and research projects on demand from national/international organizations. IARTC adopts sharing the agricultural studies, experience and knowledge in international platform as principle and is one of the leading organizations in this regard.

## CONTACT US

Uluslararası Tarımsal Araştırma ve Eğitim Merkezi Müdürlüğü  
Camikebir Mahallesi, Çavuş Yolu Sokak, No: 9  
35660 Menemen – İZMİR / TÜRKİYE



+90 232 831 10 52



+90 232 831 10 51



[izmirutaem@gthb.gov.tr](mailto:izmirutaem@gthb.gov.tr)



<http://www.arastirma.tarim.gov.tr/izmirutaem>