Under the Patronage of H.E. Sheikha Lubna bint Khalid Al Qasimi,
Minister of State for Tolerance of the UAE and President of Zayed University

Quinoa Conference

INTERNATIONAL QUINOA CONFERENCE 2016

Conference Program and Information

Quinoa for Future Food and Nutrition Security in Marginal Environments

December 6-8, 2016

Dubai, United Arab Emirates

About the Conference

The global population is forecast to increase to 9.7 billion in 2050 and there are concerns about the capacity of agriculture to produce enough food for the growing population. It is estimated that food production will need to go up by about 60 percent either through an increase in crop yields per unit area or an expansion in the arable land by 2050 to meet the demand. Moreover, several regions already suffering from malnutrition, water scarcity and soil degradation are projected to have a large population growth, which raises serious concerns about whether traditional agricultural methods and crop species will have the capacity to sustain global food production targets.

Major cereal crops like wheat, rice, barley and corn are progressively failing to withstand increasing salinity and scarce water resources in marginal environments that are most vulnerable to climate change. Therefore, there is an urgent need to identify solutions to sustaining and possibly increasing agricultural productivity in areas where growing traditional crops has become difficult and sometimes uneconomical.

Quinoa is regarded as one of the crops that can play an important role in alleviating hunger, malnutrition and poverty in marginal environments. Quinoa, for example, has high nutritional value – seeds are rich in essential amino acids and vitamins. Due to its adaptability to harsh environments, including poor saline soils with annual rainfall as little as 200 mm, quinoa can play a major role as a staple crop in marginal environments.

The United Nations General Assembly declared 2013 the “International Year of Quinoa” in recognition of its value and potential. The Food and Agriculture Organization (FAO) of the United Nations specifically served as the Secretariat of the “International Year of Quinoa”. Since then, FAO has conducted activities on quinoa around the world, and particularly in the Near East and North Africa (NENA) region. In the NENA, FAO has implemented a project in eight countries with positive outcomes that have indeed shown quinoa as a potential alternative and profitable crop for the region. Recognizing quinoa’s potential for marginal environments, the International Center for Biosaline Agriculture (ICBA) has also been leading a global quinoa program since 2007 in collaboration with national, regional and international research, government and donor organizations in the Middle East and North Africa region and Central Asia.

Despite the growing global recognition of quinoa’s potential, and positive research outcomes in pilot studies, there are still many constraints and issues to be addressed before quinoa becomes a crop of choice in marginal areas where other major crops have so far been dominant but are now failing due to climate change and degradation in the quality of soil and water resources.

Some of the key challenges include:

- Limited availability of genetic material for cultivation outside its indigenous environment
- Limited knowledge of best management practices – especially nutrient and water requirements, pest and disease control, harvesting and processing under marginal growing conditions
- Little awareness about quinoa’s nutritional benefits and the intricacy to incorporate it into local diets in regions outside the Andes
- Lack of suitable marketing channels where farming communities could sell their produce

Recognizing the need to better understand and resolve these challenges and to fully exploit the potential of quinoa, ICBA in collaboration with the Ministry of Climate Change and Environment of the United Arab Emirates, Zayed University, the Islamic Development Bank (IsDB), the Arab Bank for Economic Development in Africa (BADEA), and with the technical contribution of the FAO, convened the international conference “Quinoa for Future Food and Nutrition Security in Marginal Environments” in Dubai, UAE, on December 6-8, 2016. Held under the patronage of Her Excellency Sheikha Lubna bint Khalid Al Qasimi, Minister of State for Tolerance of the UAE and President of Zayed University, the conference was designed to provide a unique platform for discussions on ecological, economic and social aspects related to introducing quinoa for sustainable agricultural production in marginal environments.

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Guests of Honor

His Excellency Dr. Thani Ahmed Al Zeyoudi

His Excellency Dr. Thani Ahmed Al Zeyoudi was appointed as the Minister of Climate Change and Environment for the United Arab Emirates in February 2016. H.E. Dr. Al Zeyoudi is also the UAE Permanent Representative to the International Renewable Energy Agency (IRENA), and was the Director of the Department of Energy and Climate Change (DECC) within the Ministry of Foreign Affairs. H.E. Dr. Al Zeyoudi first began his career as a reservoir engineer at the Abu Dhabi Marine Oil Company and then moved to Masdar, where he worked on advancing renewable energy technologies and solutions. H.E. Dr. Al Zeyoudi played a major role in the UAE's successful campaign in 2009 in host IRENA, the first international organization dedicated to renewable energy. In 2015, Dr. Al Zeyoudi was awarded the first Gulf Cooperation Council Prize for Excellence in recognition of his pioneering efforts in renewable energy. He is a member of several committees, including the Emirates Green Development Council, as well as Audit and Selection Committees of Zayed Future Energy Prize.H. E. Dr. Al Zeyoudi holds a Bachelor's degree in Petroleum Engineering from the Tulsa University, an MBA from the New York Institute of Technology, MSc in Project Management from the British University in Dubai, and a PhD in Strategy, Programme & Project Management from SKEMA Business School in France, for which he received the Sheikh Rashid Award for Scientific Excellence for holders of doctorate degrees.

Mr. Mohammad Jamal Al-Saati

Mr. Mohammad Jamal Al-Saati is Director of Country Programs Department (Asia Region) and Acting Director of Country Programs Department (Arab Region) at the Islamic Development Bank (IsDB) in Jeddah, Saudi Arabia.Since joining IsDB in 1998, Mr. Al-Saati has held several key positions, including Deputy Director of Country Operations Department (MENA Region), and Director of Operations Policy and Services Department. Before joining IsDB, Mr. Al-Saati had worked with the Civil Aviation Authority in Saudi Arabia on the development and construction management of King Fahd International Airport in Dammam. Mr. Al-Saati holds two master's degrees on Public Administration from the University of San Francisco, and one in Urban and Regional Planning from King Faisal University. He is currently pursuing his doctorate degree on a part-time basis.Mr. Al-Saati is a member of many international professional associations and serves on the board of several organizations associated with the IsDB such as ICBA. He also frequently represents the IsDB in major international and regional forums.

Dr. Ismahane Elouafi

Dr. Ismahane Elouafi has been consistently ranked amongst the 20 Most Influential Women in Science in the Islamic World by CEO Middle East Magazine. She is a visionary leader and strategic thinker, highly adept as a transformational groundbreaker, delivering comprehensive stakeholder engagement as a change management champion, motivator, and relationship builder.With global experience in not-for-profit research organizations and government agencies, she is multi-lingual with proficiency in the Arabic, English, French, and Spanish languages.Dr. Elouafi's immense capability has been well evidenced in her current role as Director General with the International Center for Biosaline Agriculture, where she was selected to steer the organization with robust fiscal and process control, providing direct focus upon non-core funding growth, driving an expanded mandate, and supporting reputational growth as a Center of Excellence for Research and Development in marginal environments.Her contributions to the scientific world have been recognized with the National Reward Medal by His Majesty Mohamed VI, the King of Morocco (2014), and the Excellence in Science award from the Global Thinkers Forum (2014).She has a Ph.D. Genetics from Cordoba University, Spain, and an M.Sc. (Genetics & Plant Breeding) and B.Sc. (Agricultural Sciences) from Hassan II Agronomy and Veterinary Institute, Morocco.

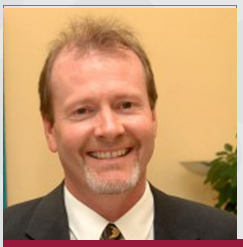
Dr. Majid Sultan Al Qassimi

Dr. Majid Sultan Al Qassimi qualified as a doctor of veterinary medicine at Saint Istvan University in Budapest, Hungary. He has worked as a veterinarian in the field of environment and conservation at public institutions across the UAE. He made a transition to administration as Director of Terrestrial Biodiversity in 2013 at the Environment Agency of Abu Dhabi (EAD). Taking on a larger mandate and leadership role, he has been part of the team that opened up the protected areas of the Emirate of Abu Dhabi to the public. He had a key role at the EAD for reintroduction of endangered species around the world, including the current mission to return Scimitar horned Oryx to Chad. Now as Director of Animal Health and Development with the Ministry of Climate Change and Environment, Dr. Majid Sultan Al Qassimi has reached the most senior post as a veterinarian in the country. As one of only five nationals currently in the field he represents a breakthrough in career choice for nationals and is heavily involved with educating his fellow Emiratis and supporting their careers in the sciences.Dr. Majid Sultan Al Qassimi has always had a keen interest in food security for the UAE and now leads the agenda for the UAE from the Ministry, and believes research and development is critical to the UAE's future.

Guests of Honor

Mr. Abdessalam Ould Ahmed MS

Mr. Ould Ahmed MS, a national of Mauritania, holds a B.A. in Economics from the Faculty of Law and Economic Sciences, Tunis, a Master's degree in Economic Sciences (Development Economics) from the University of Paris I Panthéon-Sorbonne, France, and an International Degree in Public Administration from the National School of Administration (ENA), Paris, France. Mr. Ould Ahmed MS started his professional career in 1985 with the Ministry of Economy and Finance of Mauritania. He occupied several important official positions in Mauritania where he served successively as Director of planning, Economic Advisor to the Prime Minister, Minister of Fisheries and high commissioner for human rights and poverty alleviation, a position he held until September 2001. From 2002 to April 2003, he worked as international consultant on development matters.Mr. Ould Ahmed MS joined FAO in May 2003. He served successively as FAO Representative in Lebanon, Togo, Egypt, and as Director of the FAO Liaison Office with the United Nations in Geneva. Since October 2012 Mr. Ould Ahmed has served as Assistant-Director General & Regional Representative for the Regional Office for the Near East.



Dr. Michael Allen

Dr. Michael Allen is Assistant Provost for Faculty Affairs and Research at Zayed University, having previously served for five years as Dean of the College of Arts and Sciences. He has also held positions at the University of Auckland (New Zealand), the University of California at Berkeley, Brigham Young University, and the University of Victoria (British Columbia, Canada). He has extensive experience in international education, and has traveled widely both for his own research and to build programs and partnerships between universities. Trained as a historian, Dr. Allen received his Ph.D. degree from the University of Washington and his Master's degree from the University of California at Berkeley. He holds undergraduate degrees in both History and Asian Studies from Brigham Young University.

Dr. Allen is a specialist on East Asian history in the 19th and early 20th centuries, and has traveled numerous times to China, Japan, and Korea (both North and South). Most of his research has focused on Korea in the 19th and 20th centuries. He also has a deep interest in world history, and his publications include books and articles on nationalism in East Asia, intellectual history, historiography, and the history of the world since 1500.

Dr. Akef Ahmad Al Zoubi

Dr. Akef Ahmad Al Zoubi is former Minister of Agriculture of Jordan. He served as Minister of Agriculture between 2013 and 2016. During that time, he was also chairman of the Board of Directors of the Agricultural Credit Corporation; the Board of Directors of the Jordanian Cooperative Association; and the Board of the National Center of the Agricultural Scientific Research and Extension. From 2010 to 2011 Dr. Al Zoubi served as Deputy of the Head of the Jordanian Alliance against Hunger and Food Insecurity, and Head of the Executive Committee of the Alliance. Between 2009 and 2013 he was advisor to the Jordanian Poultry Producers Association. Dr. Al Zoubi also worked as a trainer in the fields of strategic planning, agricultural marketing, agricultural policies, standards and specifications, food security, cooperative management and agricultural trade regulations under the World Trade Organization with various local and regional organizations. He conducted various studies in the fields of agricultural policies, joining WTO, food security, agricultural marketing and specifications and technical regulations of agricultural products with local and regional organizations. Dr. Al Zoubi holds an M.Sc. in Agricultural Economics and a Ph.D. in Economics.

Keynote Speakers

Dr. Didier Bazile

CIRAD Regional Director and INRA & IAVFF representative for the Mediterranean, the Middle East and the Balkans regions, CIRAD, France

An agronomy graduate from France, Dr. Didier is an active researcher in agroecology at CIRAD. After his M.Sc. in Agronomy with a specialization in ecology in 1992, he received a Ph.D. in Rural Geography from Toulouse University in 1998. He works on natural resources management in biodiversity conservation and valorization research. After different work experiences as a project coordinator for the European Union in Mali and Burkina Faso, and the World Bank Group in Madagascar, Dr. Didier joined CIRAD in 2001 as Principal Scientist in the Department of Territories, Environment, and Peoples, where he is part of the GREEN Research Unit, a French acronym for Renewable Resources Management and Environment. He has been invited to FAO to serve as visiting expert and quinoa international focal point for giving technical assistance to new quinoa experimenters. He is the CIRAD Regional Director for the Mediterranean, the Middle East and the Balkans regions.

Dr. Hugo Bosque

Technical Advisor, Bolivian Minister of Rural Development and Lands, Bolivia

Dr. Hugo Bosque graduated in Agronomic Engineering, Universidad Mayor de San Andrés (UMSA), Bolivia in 1994. Dr. Bosque did his M.Sc. in Soil Science and Desertification, University of Ghent, Belgium in 1998. He works as Plant Physiology Professor at the Faculty of Agronomy – UMSA, quinoa and Andean crops researcher at the Faculty's Research Institute (1999 – present). Dr. Bosque is national coordinator of the project "Competent Use of High Value Andean Crops-ANDESCROP" (2010-2014) and coordinator of the project "Integrated Strategy for the Conservation and Use of Underutilized Latin American Agrobiodiversity-LATINCROP". He was elected as Dean of Agronomy Faculty at UMSA (2012-2015) and Member of Bolivian Engineering Society and Bolivian Agricultural Engineers College.

Dr. Daniel Bertero

Professor, Department of Plant Production, Faculty of Agronomy, University of Buenos Aires, Argentina

Dr. Daniel Bertero studied biology at the University of Cordoba, Argentina and earned a Ph.D. in Agriculture Sciences at the University of Buenos Aires in 2000. Currently, he holds the position of professor at the Department of Plant Production of the Faculty of Agronomy of the University of Buenos Aires and is a member of Conicet, the Argentinian National Research Council. His research is focused on quinoa and seed physiology, germplasm characterization, molecular markers and quinoa domestication. He supervises M.Sc. and Ph.D. students on genotype by interaction patterns, resistance to pre-harvest sprouting, molecular and morpho-phenological characterization of germplasm and crop carbon and nitrogen balance.

Dr. Redouane Choukr-Allah

Senior Scientist – Horticulture, International Center for Biosaline Agriculture

Dr. Redouane Choukr-Allah joined ICBA in 2015 as Senior Scientist in Horticulture and now heads Crop Diversification and Genetic Improvement Section at the Research and Innovation Division. He is a horticultural, hydroponic and water expert with more than 30 years of experience in coordinating and managing field-based projects and technical teams involved in protected agriculture production. He has been working lately on water and energy use efficiency of greenhouse and net house. He has an extensive experience in use of saline water and of pre-treated sewage in agriculture, and soil and groundwater pollution prevention. He holds a Ph.D. degree in environmental horticulture from the University of Minnesota, USA.

Keynote Speakers

Dr. Juan Antonio González

Head of the Ecology Institut – Fundación Miguel Lillo, Argentina

Dr. Juan Antonio González received a Ph.D. in Biological Science in Argentina in 1992. He has been working on ecophysiological aspects of the high mountain plant of quinoa. In 1989 he published the first quinoa paper in Argentina on its nutritional value and since then Dr. González has published more than 50 papers in relation to quinoa morphology, effect of UVB, photosynthetic, protective pigments and photosynthesis parameters and participated in many congresses and symposiums all over the world. He leads the quinoa project in Egypt (South-South Project) where quinoa is a multipurpose species for marginal lands.

Mr. Nadeem Hussain

Coach, Planet N Group, Pakistan

Mr. Nadeem Hussain is the Coach, Planet N Group. Previously, he was the founder, CEO and President of Tameer Micro Finance Bank, Pakistan, serving over 4 million people.

Mr. Hussain works in financial empowerment, access to healthcare, environmental sustainability, affordable housing and provision of alternate energy. He has spent the last eight years focusing on areas through his leadership of Tameer Micro Finance Bank and with various organizations. Mr. Hussain serves on the advisory board of Institute of Business Administration, Chairperson of the Pakistan Microfinance Network (PMN) and Institute of Capital Markets. He is also a Trustee for the Indus Foundation and the Jinnah Institute. He is an active member of the State Bank's and SECP consultative groups on various initiatives including microfinance and insurance. He is also leading the effort to implement Universal Standards of Social Performance Management (USSPM) across all PMN member banks and institutes.
Prior to this, he worked in international banking for over almost 3 decades withCitigroup in seven different countries and major financial centers of the world.

Dr. Sven-Erik Jacobsen

Associate Professor, Department of Plant and Environmental Sciences, University of Copenhagen, Denmark

Dr. Sven-Erik Jacobsen is leading the research group on Tropical Crops, covering subjects as stress physiology and agrobiodiversity, in developing countries. Dr. Jacobsen and his team manage various projects, related to minor, under-utilized crops, focusing on food security under stressed, water-scarce conditions, affected by climate change. The team has just attained a new EU project with Dr. Jacobsen as coordinator with 19 partners under Horizon2020 entitled "Development of high quality food protein through sustainable production and processing" (PROTEIN2FOOD), 2015-2019. Dr. Jacobsen is also coordinator of "An integrated strategy for the conservation and use of underutilized Latin American agrobiodiversity" (LATINCROP), 2013-2017, aiming at using the Andean agrobiodiversity for increased consumption and market. In addition, he is involved in projects in developing countries of South America (DANIDA) on Andean crops of increased potential, East Africa (Da n Church Aid) for introducing new, high quality and drought-tolerant crops, and Denmark (Ministry of Food and Agriculture) testing new gluten- free crops.

Dr. Eric "Rick" Jellen

Professor of Plant Genetics and Associate Dean, College of Life Sciences, Brigham Young University, USA

Rick joined the faculty at Brigham Young University in 1996. Previously, he obtained a Ph.D. at Minnesota and was a postdoc for the USDA-ARS in Manhattan, Kansas. His research focuses on chromosomal and molecular genetics of oats (Avena) and quinoa (Chenopodium). In oat, he identified chromosome rearrangements, used chromosome-deficient stocks to map genes, and identified variants in beta-glucan biosynthesis gens. In quinoa, he led efforts to identify the origins of its two subgenomes as well as variants controlling seed starch composition. In both crops, he has studied hybridization with wild relatives to derive superior germplasm for lowland environments.

Keynote Speakers

Dr. Daniel Abugattas Majluf

Instituto de Investigación y Cooperación Científica y Tecnológica Árabe - Latinoamericano y del Caribe, Peru

Dr. Daniel Abugattas Majluf started his career as attorney–at-law at Pontificia Catholic University of Peru (1974 – 1979). He obtained a master´s degree in Economic Law at the University Autonoma Xochimilco in México (1980 -1981), and later pursued a specialization course in total quality management at the Association for Overseas Tech. SCH – AOTS in Osaka, Japan (1999). He has been a successful entrepreneur in the textile industry and international consultant in research projects and investment for the National Cooperation Fund for Social Development (FONCODES), National Program of Food Assistance (PRONAA), WTO, and the World Bank. Founder and CEO of NIELSEN PERU, TQM and DXL APPAREL GROUP, member of the Center for Arab Relations with Latin America and the Caribbean (CARLAC), and Instituto de Investigación y Cooperación Científica y Tecnológica Árabe – Latino Americano y del Caribe – ICCTALA. In 2006 general elections, he was elected Congress Member for the 2006 – 2011 parliamentary term. On that occasion, he was elected President of the Committee on Production, Micro and Small Enterprises. He has been Vice President of the Latin American Parliament since October 2, 2013 and President of the Working Group on Climate Change and Biodiversity Chapter Globe Peru.

Dr. P. Jeff Maughan

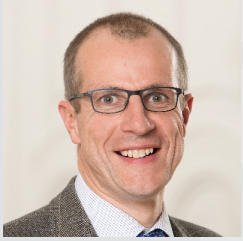
Professor, Department of Plant and Wildlife Sciences, Brigham Young University, USA

Dr. Maughan is a Professor of Molecular Genetics at Brigham Young University (BYU). He received his Ph.D. from Virginia Polytechnic Institute and State University. Prior to coming to BYU, Dr. Maughan was the Director of the North American Genotyping for the Monsanto Company, a worldwide leader in agricultural biotechnology. He has an established research program with funding from numerous sources, including NSF, USDA, World Bank, and the McKnight Foundation. He has published over 70 refereed research articles and book chapters and serves as an International Atomic Energy Agency (IAEA) missions expert for food, agriculture and biotechnology and as an associate editor for the Botanical Society of America's Applications in Plant Sciences. He was awarded the Thomas L. Martin Professorship and the John A. Widtsoe University Fellowship in recognition of his research that enhances the quality of life and contributes to the solution of pressing world problems. His research is primarily focused on the development of genomic tools for accelerated breeding of orphaned crops (quinoa, amaranth, etc.). These plant species are important for regional food security in several areas of modern Latin America and have recently received substantial attention as alternative food crops, especially in light of their nutritional value and tolerance to drought and salinity stress. Dr. Maughan is also recognized as an accomplished teacher, having taught 90 courses (around 6,500 students) and awarded College of Life Sciences Outstanding Teaching Award.

Dr. Alipio Canahua Murillo

Esp. en Desarrollo Agricola y Rural M.Sc., Peru

Dr. Alipio Canahua Murillo is an agricultural engineer. He holds an M.Sc. from the College of Postgraduates, Montecillos, Chapingo, Mexico. Dr. Murillo is a specialist in research of Andean agricultural systems and Professor of the Postgraduate School at the National University of the Altiplano, Peru. Previously, Dr. Murillo was the National Coordinator of the Globally Important Agricultural Heritage Systems (GIAHS) project at FAO and Ministry of the Environment, Peru. He is also technical advisor on the production of organic quinoa at the company NIISA, Corporation, S.A, consultant and adviser to FAO Peru, UNDP and UNESCO.



Dr. Karl Schmid

Director, Crop Biodiversity and Breeding Informatics, University of Hohenheim, Germany

Dr. Karl Schmid studied biology at the University of Munich where he also received a Ph.D. in Zoology. From 1997 to 1999 he worked as a postdoc at Cornell University. From 2000 to 2006 he led a research group at the Max-Planck-Institute of Chemical Ecology in Jena. From 2006 to 2008, he was head of the research group 'Evolutionary Genetics' in the German genebank at the IPK Gatersleben. In 2008, he became Professor of Genetics at the Swedish Agricultural University in Uppsala, Sweden before moving back to Germany in 2009 to take up the F. W. Schnell Endowed Professorship in Crop Biodiversity and Breeding Informatics at the University of Hohenheim.

Dr. Mark Tester

Professor of Bioscience, King Abdullah University of Science and Technology, Saudi Arabia

Dr. Mark Tester is Professor of Bioscience at KAUST, Saudi Arabia. After a Ph.D. in Cambridge and lectureship there, he went to Adelaide, as a Research Professor in the Australian Centre for Plant Functional Genomics and Director of the Australian Plant Phenomics Facility. Mark led the establishment of this Facility, a $55m organisation that develops and delivers state-of-the-art phenotyping facilities, including The Plant Accelerator, an innovative plant growth and analysis facility. In his research group, forward and reverse genetic approaches are used to understand salinity tolerance and improve this in crops such as barley and tomatoes. He led a group who sequenced the quinoa genome, which has been recently accepted for publication in Nature.

Program

Day 1

Tuesday, 6th December 2016	
08:30 - 09:30	Registration
09:30 - 10:00	**Opening ceremony** • His Excellency Dr. Thani Ahmed Al Zeyoudi, Minister of Climate Change and Environment, UAE • Dr. Ismahane Elouafi, Director General, International Center for Biosaline Agriculture, UAE • Mr. Abdessalam Saleh Ould Ahmed, Assistant Director General and FAO Regional Representative for the Near East and North Africa • Mr. Mohammad Jamal Al-Saati, Director, Country Programs Department (Asia Region) and Acting Director, Country Programs Department (Arab Region), Islamic Development Bank, KSA • Dr. Michael Allen, Assistant Provost, Faculty Affairs and Research, Zayed University, UAE **Master of ceremony: Hussein Mohamed Alameri**, Media Advisor, Sultan Bin Zayed's Culture and Media Centre, UAE
10:00 - 10:15	**Keynote speech** *Creating a shared vision and action plan for the future of quinoa beyond its origins* **Bazile D.**, CIRAD, France
10:15 - 11:15	**High-Level Panel discussion:** *How to move towards a shared vision on quinoa* • Mr. Abdessalam Saleh Ould Ahmed, Assistant Director General and FAO Regional Representative for the Near East and North Africa • Mr. Nadeem Hussain, Kinwa Foods Company, Pakistan • Dr. Akef Ahmad Al Zoubi, Ex-Minister of Agriculture, Jordan • Mr. Mohammad Jamal Al-Saati, Director, Country Programs Department (Asia Region) and Acting Director, Country Programs Department (Arab Region), Islamic Development Bank, KSA • Dr. Ismahane Elouafi, Director General, International Center for Biosaline Agriculture, UAE • Dr. Majid Sultan Al Qassimi, Director of Animal Health and Development Department, Ministry of Climate Change and Environment, UAE. **Moderator: Hussein Mohamed Alameri,** Media Advisor, Sultan Bin Zayed's Culture and Media Centre, UAE
11:15 - 11:30	**Welcome reception**
Plenary Session 1: *Global quinoa status* **Chair: Mr. Holmgren Torgny**, Stockholm International Water Institute, Sweden **Co-Chair: Dr. Choukr-Allah Redouane**, International Center for Biosaline Agriculture, UAE	
11:30 - 11:45	*The worldwide potential of quinoa as a new climate-proof crop* **Jacobsen S.E.,** University of Copenhagen, Denmark
11:45 - 12:00	*Quinoa research and development for low land environments in South America* **Bertero D.,** University of Buenos Aires, Argentina
12:00 - 12:15	*Quinoa research and development in the Andean Countries* **Gomez Pando L.R.,** Universidad Nacional Agraria La Molina (UNALM), Peru
12:15 - 12:30	*Effect of salinity on seed yield and nutritional quality of quinoa* **Rao N.K.,** International Center for Biosaline Agriculture, UAE
12:30 - 13:00	**Discussion**
13:00 - 14:00	**Lunch Break**

Plenary Session 2: *Prospects of quinoa for food security* **Chair: Eng. Mariam Mohammed Saeed Hareb Al Mheiri**, Ministry of Climate Change and Environment, UAE **Co-Chair: Dr. Karajeh Fawzi,** FAO, Egypt		
14:00 - 14:15	*From Seed to Spoon* **Nadeem H., & Syed W.**, Kinwa Foods Company, Pakistan	
14:15 - 14:30	*Prospects of Bolivian "royal quinoa": towards the global expansion of the Andean crop* **Bosque H.,** Advisor of the Bolivian Ministry of Rural Development and Lands, Bolivia	
14:30 - 14:45	*Quinoa for future food and nutrition security in marginal environments* **Abugattas D.M.,** Instituto de Investigación y Cooperación Científica y Tecnológica Árabe - Latinoamericano y del Caribe	
14:45 - 15:00	*Consolidation of the first Quinoa International Center - CIQ* **Soliz Edgar M.M.,** Centro Internacional de Quinua, Bolivia	
15:00 - 15:30	**Discussion**	
15:30 - 16:00	**Refreshment Break**	
	Technical Session 1.1 *The future & challenges of quinoa cultivation: Case studies* **Chair: Dr. Impiglia A.**, FAO, Egypt **Co-Chair: Dr. Jacobsen S.E.**, University of Copenhagan, Denmark	**Technical Session 1.2** *Quinoa and food security* **Chair: Dr. Gomez Pando L.R.**, Universidad Nacional Agraria La Molina (UNALM), Peru **Co-Chair: Dr. Bhargava A.**, Amity University India
16:00 - 16:15	*Quinoa: From experimentation to production in Turkey* **Yazar A.,** Çukurova University, Turkey	*Quinoa and its potential to grow under water scarcity and salt stress conditions: Promising research findings* **Hamdy A.** Mediterranean Agronomic Institute of Bari, CIHEAM, Italy
16:15 - 16:30	*Quinoa introduction in West-Africa: experience of Burkina Faso* **Dao A.,** Institute of Environment and Agricultural Research (INERA), Burkina Faso	*Adaptability of quinoa (Chenopodium quinoa Willd.) in Eastern and Southern Africa: Potential implications for food security and climate change adaptation* **Mukankusi C.,** International Center for Tropical Agriculture (CIAT), Uganda
16:30 - 16:45	*Quinoa (Chenopodium quinoa Willd.) performance under the hot- dry weather of Sudan* **Maarouf I.M.,** Former National Consultant of the FAO quinoa project in Sudan, Sudan	*Potential of non-traditional crops for improving food security in marginal environments of Uzbekistan* **Toderich K.,** International Center for Biosaline Agriculture in Central Asia and Caucasus (ICBA-CAC) Uzbekistan
16:45 - 17:00	*Quinoa in Pakistan: A case study* **Basra S.M.A.,** Department of Agronomy, University of Agriculture Faisalabad, Pakistan	*Evaluation of food security, productivity and production potential of quinoa under marginal areas of Indian sub-continent* **Dharm S.,** Indian Medicinal Plants Marketing Federation, India
17:00 - 17:15	*Introduction and assessment of quinoa in Algeria: Field trial evaluation of eleven Chenopodium quinoa genotypes grown under salt-affected soils* **Gacemi A.,** National Institute of Agronomic Research of Algeria, Algeria	*Adaptation of quinoa for food security in the Himalayan Kingdom of Bhutan* **Katwal T.B.,** Department of Agriculture, Bhutan
17:15 - 17:45	**Discussion**	
20:30 - 23:00	**Gala Dinner**	

Wednesday, 7th December 2016	
Plenary session 3: *Quinoa adaptation to different agro-climatic conditions* **Chair: Dr. Roy Amit H.,** ICBA Board Member, USA **Co-Chair: Dr. Bazile D.,** CIRAD, France	
08:30 - 08:45	*Evaluation of quinoa adaptability under European conditions to enhance high-quality food protein production* **Pulvento C.,** CNR - Institute for Agricultural and Forest System in the Mediterranean (ISAFoM), Ercolano, Italy
08:45 - 09:00	*Potential of quinoa production in the Near East and North Africa region countries* **Dost M.,** Regional plant production officer, FAO RNE, Egypt
09:00 - 09:15	*A new face of quinoa production: challenges for the Andean region* **Alandia G.,** University of Copenhagen, Denmark
09:15 - 09:30	*Experimenting with quinoa: the Indian experience* **Bhargava A.,** Amity University, India
09:30 - 09:45	*Traditional and potential uses of quinoa (Chenopodium quinoa Willd.) in Titicaca basin, Puno, Peru* **Murillo A.C.,** Esp. en Desarrollo Agricola y Rural MSc (c), Peru
09:45 - 10:00	*Introduction of quinoa in south Italy for high functional and nutritional value food production: cultivation and saponin removal* **Pulvento C.,** CNR - Institute for Agricultural and Forest System in the Mediterranean (ISAFoM), Italy
10:00 - 10:30	**Discussion**

10:30 - 11:00	**Refreshment Break & Poster Session**	
	Technical Session 2.1 *The future & challenges of quinoa cultivation: Case studies* **Chair: Ms. Majdalani R.,** Sustainable Development Policies Division (SDPD) at the United Nations – Economic and Social Commission for Western Asia (UN-ESCWA), Lebanon **Co-Chair: Dr. Hirich A.,** International Center for Biosaline Agriculture, UAE	**Technical Session 2.2** *Breeding, genetics, and genomics of quinoa* **Chair: Dr. Rao N.K.,** International Center for Biosaline Agriculture, UAE **Co-Chair: Dr. Koyro H.W.,** Justus-Liebig-University Gießen, Germany
11:00 - 11:15	*Challenges for quinoa production in the Bolivian southern highlands* **Alandia G.,** University of Copenhagen, Denmark	*Establishing a quinoa breeding program for the Peruvian Altiplano* **Schmid K.,** University of Hohenheim, Germany
11:15 - 11:30	*Quinoa evaluation and production in sea level Argentinian lowland* **Eisner O.,** Independent agricultural engineer and quinoa entrepreneur, Argentina	*Relational differences in the crop world. Ontological frictions on quinoa property rights* **Laguna P.,** Universidad de Santiago, USACH, Departamento de Gestión Agraria, Chile
11:30 - 11:45	*Preliminary results on quinoa (Chenopodium quinoa Willd.) cultivated in Tunisian semi-arid area under drought and salinity conditions* **Rjeibi W.,** University of Tunis El Manar, Tunisia	*Evaluation of new quinoa genotypes under sandy soil conditions* **Shams A.S.,** Crop Intensification Research Department (CIRD), Egypt
11:45 - 12:00	*Quinoa research and production prospects in Iran* **Sepahvand N.A.,** Seed and Plant Improvement Institute (SPII), Iran	*Quinoa germplasm for Morocco* **Benlhabib O.,** Hassan II Institute of Agronomy and Veterinary Medicine, Department of Plant Production, Protection and Biotechnology, Morocco

12:00 - 12:15	*Agronomical evaluation of Chenopodium quinoa Willd. under rainfed piedmont environments in Tajikistan* **Pulodov M.P.,** Public Society of Genetic Resources, Tajikistan	*Preliminary evaluation of adaptability of 13 quinoa varieties in Linxia arid areas of Gansu province* **Huang J.,** Institute of Pasture and Green Agriculture, Gansu Academy of Agricultural Sciences, China
12:15 - 13:00	**Discussion**	
13:00 - 14:00	**Lunch Break**	
	Technical Session 3.1 *Quinoa response to abiotic stress* **Chair: Dr. Bertero D.**,University of Buenos Aires, Argentina **Co-Chair: Dr. Salehi M.,** National Salinity Research Center, Iran	**Technical Session 3.2** *Quinoa agronomic practices* **Chair: Dr. Dost M.**, Regional plant production officer FAO RNE, Egypt **Co-Chair: Dr. Lavini A.**, CNR - Institute for Agricultural and Forest System in the Mediterranean (ISAFoM), Italy
14:00 - 14:15	*Photosynthetic characterization of quinoa sea level cultivar in Argentinean highland* **González J.A.,** Fundación Miguel Lillo – Instituto de Ecología – Tucumán - Argentina	*Biochar soil amendment increases the resistance of Chenopodium quinoa to drought in sandy soils* **Koyro H.W.,** Justus-Liebig-University Gießen, Germany
14:15 - 14:30	*Phenotyping the combined effect of heat and water stress on quinoa* **Hirich A.,** International Center for Biosaline Agriculture, UAE	*Quinoa yield response to deficit irrigation and nitrogen levels in presence of saline shallow groundwater* **Alizadeh-Zoaj F.,** Shiraz University, Iran
14:30 - 14:45	*Quinoa tolerance to saline conditions in clay soil: first experience* **Mamedov A.I.,** Institute of Botany, Azerbaijan National Academy of Sciences (ANAS), Azerbaijan	*Optimization of Quinoa Nitrogen Nutrition Under Mediterranean Climatic Conditions* **Mosseddaq F.,** Hassan II Agronomy and Veterinary Institute (IAV), Morocco
14:45 - 15:00	*Potential of quinoa production in humid and dry regions under different irrigation and soil conditions: Denmark and Iran* **Razzaghi F.,** Shiraz University, Iran	*Performance of quinoa (Chenopodium quinoa Willd.) genotypes in different ecological areas of central districts in Malawi* **Muhota P.T.,** Lilongwe University of Agriculture and Natural Resources (LUANAR), Malawi
15:00 - 15:15	Adaptability of quinoa to adverse climatic and soil conditions **Boukary H.**, Director of Regional Center of Agronomic Research, Niger	Determination of amino acid and fatty acid contents in quinoa seeds grown under marginal environments in Central Asia **Mamadrahimov A.A.,** Institute of Bioorganic Chemistry Academy of Sciences of Uzbekistan, Uzbekistan
15:15 - 15:30	*Quinoa's Potential* **Al-Madhoun N.,** Arab Engineers & Masader Ltd. Jeddah, KSA	*Effect of different nitrogen application rates, date of harvest, and sowing distances on the productivity and nutritional value of quinoa in view to its adoption as roughage crop for ruminants* **Kahwaji J.,** Lebanese Agriculture Research Institute, Lebanon
15:30 - 15:45	*Quinoa agrobiodiversity conservation in Bolivia: A seed exchange network case study* **Rodriguez J.P.,** University of Copenhagen, Denmark	
15:45 - 16:15	**Discussion**	
16:15 - 17:00	**Poster Session**	

Thursday, 8th December 2016		
08:30 - 10:30	**Field Visit to ICBA experimental station**	
10:30 - 11:00	**Refreshment Break at ICBA**	
	Technical Session 4.1 *Quinoa response to salinity* **Chair: Dr. Shoaib I.,** International Center for Biosaline Agriculture, UAE **Co-Chair: Dr. Basra S.M.A.,** University of Agriculture Faisalabad, Pakistan	**Technical Session 4.2** *Quinoa processes, nutritional value and socioeconomic aspect* **Chair: Dr. Alzoubi A.**, Ex-minister of water resources, Jordan **Co-Chair: Dr. Robertson S.**, International Center for Biosaline Agriculture, UAE
11:00 - 11:15	*Salt tolerance of quinoa on salt-affected soils* **Iqbal S.,** Department of Agronomy, University of Agriculture Faisalabad, Pakistan	*Nutritional and functional properties of quinoa (Chenopodium quinoa Willd.) as influenced by environmental and agronomic variables and processing* **Karboune S.,** McGill University, Canada
11:15 - 11:30	*Effect of sowing date on phonological stage and seed yield of quinoa irrigated with saline water* **Salehi M.,** National Salinity Research Center, Iran	*Sub-products from quinoa seeds: whole flour, germ, starch, oil and protein isolates* **Calandri E.L.,** Instituto de Ciencias y Tecnología de los Alimentos (ICTA – UNC), Argentina
11:30 - 11:45	*The Study of Quinoa Salinity Tolerance in the Field Conditions* **Shahid M.,** International Center of Biosaline Agriculture, UAE	*Developing a market for quinoa in China. The pioneer experience of Shanxi Jiaqi Agri-Tech Co.* **Wu D.,** Shanxi Jiaqi Agri-Tech Co., Ltd, China
11:45 - 12:00	*Studies of the Effect of Marginal Growing Conditions (Karakalpakstan) on Grain and Forage Yield of Quinoa* **Sultanova Z.,** Nukus Branch of Tashkent State Agrarian University, Karakalpakstan	*Quinoa Industry Development in China* **Gui-xing R.,** Institute of Crop Sciences, Chinese Academy of Agricultural Sciences, China
12:00 - 12:15	*Quinoa water management in presence of shallow saline groundwater: physiological characteristics and gas exchange* **Talebnejad R.,** Shiraz University, Iran	*Quinoa (Chenopodium quinoa Willd.) adaptability, participatory varietal selection and recipe development in Kenya* **Wanderi S.,** Kenya Agricultural and Livestock Research Organisation (KALRO), Kenya
12:15 - 12:30	*Dry matter, yield and antioxidant enzymes in three quinoa genotypes grown at varied water stress* **Hedayati-Firozabadi A.R.,** Shiraz University, Iran	*Quinoa grains as an effective solution to reduce the prevalence of malnutrition and food security in remote areas of Issyk-Kuli region (Kyrgyzstan)* **Kaparova E.,** Kyrgyz National Agrarian University, Kyrgyzstan
12:30 - 13:00	**Discussion**	
13:00 - 13:45	**Lunch Break**	

Plenary session 4: *Quinoa breeding and genomics* **Chair: Dr. Tester M.**, King Abdullah University of Science and Technology, KSA **Co-Chair: Dr. Toderich K.**, International Center for Biosaline Agriculture in Central Asia and Caucasus (ICBA-CAC), Uzbekistan	
13:45 - 14:00	*Quinoa: Superfood, Superplant, Both – or Neither?* **Jellen E.N.,** College of Life Sciences, Professor of Plant Genetics, Brigham Young University, USA
14:00 - 14:15	*PacBio and Hi-C based proximity-guided assembly of Amaranth (Amaranthus hypochondriacus) pseudo chromosomes* **Maughan P.J.,** Department of Plant and Wildlife Sciences ,Brigham Young University, USA
14:15 - 14:30	*The genome of the salt-tolerant species Chenopodium quinoa* **Jarvis D.E.,** King Abdullah University for Science and Technology, KSA
14:30 - 14:45	*Control of saponin biosynthesis in Chenopodium quinoa* **Schmöckel S.M.,** King Abdullah University for Science and Technology, KSA
14:45 - 15:00	*Breeding of varieties of quinoa (Chenopodium quinoa Willd.) for cold weather and drought by hybridization of genetically distant parents and subsequent selfing* **Mujica A.,** Universidad Nacional del Altiplano, Peru
15:00 - 15:15	**Discussion**
15:15 - 15:45	**Quinoa Genome Workshop**
15:45 - 16:00	**Refreshment Break**
16:00 - 17:00	**Closing Session: Dubai Declaration** • Dr. Ismahane Elouafi, Director General, International Center for Biosaline Agriculture, UAE • Mr. Abdessalam Saleh Ould Ahmed, Assistant Director General and FAO Regional Representative for the Near East and North Africa, • Dr. Faris Howari, Acting Dean, Collage of Natural and Health Sciences, Zayed University, UAE. **Moderator: Hussein Mohamed Alameri**, Media Advisor, Sultan Bin Zayed's Culture and Media Centre, UAE

Poster Presentations

Authors	Affiliation	Poster title
Chedjerat A., Gacemi A., Gorine M., Lariche A., Khaldi A.	National institute of agronomic research of Algeria, Research Station of El Hamadna, Relizane, Algeria	Quinoa cultivars yield in salty soils within the perimeter of lower Chelif, Algeria
Snowball R., Biggs I., D'antuono M., Dhammu H., Pearce A., Sharma D., Thompson C., Troldahl D., Warmington M.	Department of Agriculture and Food Western Australia (DAFWA), Perth, Australia	Quinoa's potential in a diverse range of environments across Australia
Bani S.	Ministry of Work, Municipality and Urban Planning, Manama, Bahrain	Future strategies and actions to boost quinoa production in Bahrain: The role of local government and farmer to promote quinoa production
Mantilla F., Rafael A.	Colombia Quinoa Federation FEDEQUINUA.	Quinoa value chain in the Bogota savanna
Afiah S.A., Badran A.E., El Shaer H.M.	Plant Genetic Resources Dept., Desert Research Center, Cairo, Egypt	Morphological and biochemical evaluation of some Quinoa genotypes under stress conditions
Abdel-Ati A., González J.A., Ebrahim M., Ordano M., El-Samad E., Hussin S., El-Bordeny N., Essam A., Eisa S.	Desert Research Center, Cairo, Egypt	Optimization of organic fertilizer for *Chenopodium quinoa Willd*. grown in marginal regions of Egypt
Abdelhamid M.T.	Botany Department, National Research Centre, Dokki, Giza, Egypt	Quinoa (*Chenopodium quinoa Willd*.), a potential new crop for Egypt
Dahiya B.S.	Former Director of Research HAU, Hisar, Haryana, India	Quinoa for food and nutritional security in India
Jain H.S., Devabhaktuni S.	Department of Electrical and Electronics Engineering, Vardhaman college of engineering, Hyderabad, India	Micro Scale Quinoa Farming for Common Man and Marginal Farmers
Padhi D., Padhi D., Padhi P.	DD Bio Solution Technology Pvt. Ltd, India	Prevention of Malnutrition in Odisha tribal region by changing diet to Quinoa
Rana J.	National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi - 110 012, India	Quinoa Cultivation – Challenges and Opportunities in India
Maleki P., Bahrami H.A., Saadat S., Sharifi F., Dehghany F.	Tarbiat Modarres University, Faculty of Agriculture, department of Soil Science, Tehran, Iran	Germination of Quinoa (*Chenopodium quinoa Willd.*) under Salinity Stress
Isobe K., Higo M.	College of Bio-resource Sciences, Nihon University, Fujisawa-City, Kanagawa, Japan.	Research and Cultivation of Quinoa in Japan
Al-Barakah F.N., Aly A.A., El-Mahrouky M.A.	Soil Science Department, College of Food and Agriculture Sciences, King Saud University, Riyadh 11451, Saudi Arabia	Chenopodium quinoa drought tolerance induced by salinity stress
Dolotbakov A.K., Shalpykov K.T., Akimaliev A.A., Turdumambetov K.T., Kurmanbek U.M.	Innovation Centre of Phytotechnology of the National Academy of Sciences of the Kyrgyz Republic. Bishkek, Chui Avenue 267, Kyrgyzstan	The content of saponins and carbohydrates at quinoa samples introduced in Kyrgyzstan

Shalpykov K.T., Dolotbakov A.K., Kurmanbek U.M., Rogova N.A., Ismailova E.O., Kaseev.A.	Innovation Centre of Phytotechnology of the National Academy of Sciences of the Kyrgyz Republic. Bishkek, Chui Avenue 267, Kyrgyzstan	Experience of introduction of quinoa and the prospects for its use in addressing food security in Kyrgyzstan
Moutiq R.	National Institute of Agronomical Research (INRA) -Plant breeding department, Rabat, Morocco	Quinoa adaptation and breeding in Morocco
Alkhamisi S.A., Aljabri N., M Nadaf, S.K., Alharthi A.S.	Head of Field Crops Research: Ministry of Agriculture and Fisheries, Directorate General of Agriculture and Livestock Research, Muscat, Sultanate of Oman	Response of Quinoa (Chenopodium quinoa L.) to Different Levels of Irrigation Water Salinity
Alrasbi S.R., Rao K.N.	Directorate General of Agricultural and Livestock Research, Rumais. Sultanate of Oman	Leguminous and oil crops, 3 seasons
Amjad M., Akhtar S.S., Yang A., Akhtar J., Jacobsen S.-E.	Department of Environmental Sciences, COMSATS Institute of Information Technology-Vehari, Pakistan	Antioxidative Response of Quinoa Exposed to Iso-Osmotic, Ionic and Non-Ionic Salt Stress
Basra S.M.A., Iqbal S., Afzal I., Jacobsen S.-E.	Department of Agronomy, University of Agriculture Faisalabad, 38040, Pakistan	Nutritional characteristics of quinoa seeds harvested from normal and salt affected soils
Basra S.M.A., Rashid N., Shahbaz M., Iqbal S.	Department of Agronomy, University of Agriculture Faisalabad, 38040, Pakistan	Foliar applied moringa leaf extract induces terminal heat tolerance in quinoa
Ehsan B.	CAB International, Rawalpindi, Pakistan	Strengthening Quinoa Supply Chains in Pakistan
Haseeb M., Basra S.M.A., Afzal I., Rehman H.	Department of Agronomy, University of Agriculture, Faisalabad, Pakistan	Phytoextraction potential of quinoa genotypes in nickel contaminated soil
Iqbal S., Basra S.M.A., Akhtar S.S., Yang A., Saddiq M.S., Bakhtavar M.A., Jacobsen S.-E.	Department of Agronomy, University of Agriculture, Faisalabad, 38040, Pakistan	Seed priming with KCl improves salt tolerance in quinoa
Junaid M., Basra S.M.A., Saleem M.A., Iqbal S.	Department of Agronomy, University of Agriculture, Faisalabad, Pakistan	Bio-stimulant potential of moringa leaf extract in field grown quinoa
Saleem M.A., Basra S.M.A., Afzal I., Rehman H., Saddiq M.S., Iqbal S.	Department of Agronomy, University of Agriculture, Faisalabad, Pakistan	Exploring the potential of quinoa accessions for salt tolerance in soilless culture
Mercado W., Ubillus K.	National Agrarian La Molina University, Faculty of Economics and Planning, Lima, Peru	The commercialization of quinoa in the producing regions of Puno and Junín in Peru
Rodríguez S.V	R&D Director, Algodonera del Sur, Seville, Spain	The cultivation of quinoa in Spain: the experience in the lower Guadalquivir and first trials in Extremadura
Reguera M., Bascuñán-Godoy L., Blumwald E.	Universidad Autónoma de Madrid, Campus Cantoblanco, C/Darwin 2, Madrid, 28049, Spain	Water stress during grain filling induces metabolic changes in two Chilean lowland genotypes of *Chenopodium quinoa Willd*. that could be used for the improvement of the grain quality.
Rollano Peñaloza O.M., Mollinedo P., Rasmusson A.G.	Department of Biology, Lund University, Biology Building, Sölvegatan 35B, SE-223 62 Lund, Sweden	Transcriptomic Analysis of the Interaction between Trichoderma ssp. and Chenopodium quinoa.

Prommarak S.	Chiang Mai University, Faculty of Agriculture, Thailand	Response of Quinoa to Emergence Test and Row Spacing in Chiang Mai - Lamphun Valley Lowland Area, Chiang Mai, Thailand
Radhouane L., Mansouri S., Jedidi E., Rhim T.	National Tunisian Institute for Agriculture Research (INRAT), Ariana, Tunisia	Seedling characters at different level of salinity in quinoa seeds (*Chenopodium quinoa Willd*.)
Mamadrahimov A.A., Soliev A.Z.B., Toderich K.N., Rao N.K.	Institute of Bioorganic Chemistry Academy of Sciences of Uzbekistan, 100125, M. Ulugbek str., 83, Tashkent, Uzbekistan	Determination of squalene content in quinoa seed oils grown under harsh environmental condition in Central Asia
Bobokulov N.A., Popova V.V.	Research Institute of Karakul Sheep Breeding and Desert Ecology, Samarkand, Uzbekistan	Nutritional Value of Foodstuff of quinoa cultivars for livestock feeding under marginal environments in Uzbekistan
Kaparova E., Omorova Z.	Kyrgyz National Agrarian University named after K.I. Skryabin, Kyrgyzstan	The development of recipe of functional food with seeds quinoa
Padhi D., Padhi D., Padhi P.	DD BIOSOLUTION TECHNOLOGY PVT. LTD. Bhubaneswar, India	Study the Extraction and Effect of Saponin Extracted From Quinoa on Human Health – A Short Review
Bachar I.	Brandenburg University of Technology Cottbus - Senftenberg, Germany	Prospects of Indoor Urban Farming in Securing Food and Nutrition Security: An Option for Quinoa Production
Ashraf Kpekpassi-A, Pyaabalo Alai,Tchiou B. Kabassina, Daouda Djele	Ministère de l'Agriculture, de l'Elevage et de la pêche, Togo	Quinoa introduction tests in west and Central Africa: case of Togo
Farong Y.	Institute of Pasture and Green Agriculture, Gansu Academy of Agricultural Sciences, Lanzhou 730070, China	Breeding and Application Prospects of A New Quinoa Variety Longli 1
Chandra S., Pradeep D., Km, Arti L.P. Shinde	Forensic Science Laboratory, Govt of NCT of Delhi, New Delhi, India.	Production and processing of quinoa to increase income and food security
Gill S., Al-Shankiti A., Shahid S.A.	Natural Resources Management, Research and Innovation Division International Center for Biosaline Agriculture, P. O. Box 14660 Dubai, United Arab Emirates	Response of quinoa to organic amendments at deficit irrigation for crop production

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The conference is held from 6 to 8 December 2016 from 08:30 onwards (and from 08:00 onwards on the last day). Please see the agenda for specific timings.

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For travel information, please visit: http://www.visitdubai.com/en

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7 December 2016: The shuttle service from Steigenberger Hotel will leave at 08:00 a.m. and will return to the hotel after close of all sessions.

8 December 2016: The shuttle service from Steigenberger Hotel will leave at 08:00 a.m. and will resume service to the hotel after close of all sessions.

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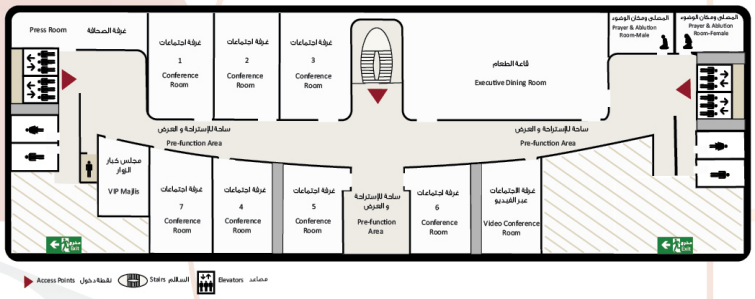

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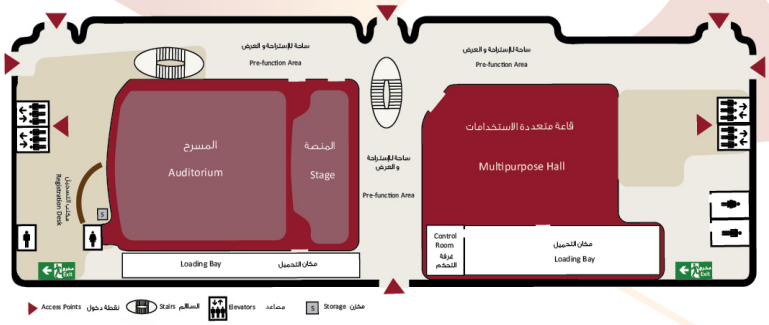

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