

The background of the entire page is a photograph of the Burj Al Arab hotel in Dubai, United Arab Emirates, at night. The building is illuminated with warm yellow and orange lights, contrasting with the deep blue twilight sky. The hotel's distinctive sail-like shape is clearly visible, with its curved facade and glass windows reflecting the ambient light. The building's structure is supported by a complex network of steel beams, which are also lit up. The overall scene is a vibrant and iconic representation of modern architecture in the Middle East.

**16<sup>th</sup> ISANH Middle East  
World Congress on  
Antioxidants**

**April 12-14, 2016**

**Marriott Hotel  
Al Jaddaf, Dubai**

**3-Days Program**

**Antioxidants & Oxidative Stress in  
health and medicine**

**Functional ingredients in  
food & beverage industry**

**Dietary Supplements in Middle East:  
The role of local institutions**

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# ISANH Middle East World Congress

April 12-14, 2016 - Dubai, United Arab Emirates

## Final Agenda

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### Day 1 - April 12, 2016

7h30 Welcoming & Registration of Attendees

8h25 Welcome introduction by ISANH Middle East Chairpersons & local organizing committee

M. Edeas – S. Gariballa – R. Maroun – C. Platat – J. Saleh

### Session 1: Oxidative Stress & Antioxidants in Health & Medicine

8h30 Middle East Antioxidants 2016: Introduction Remarks

Marvin Edeas, Chairman of ISANH, Paris, France

Chairmen: M. Edeas, S. Gariballa

9h00 Effect of increased fruits and vegetables consumption on visceral obesity and associated oxidative damage and inflammation: data from the UAE

Salah Gariballa, College of Medicine & Health Sciences, United Arab Emirates University, Al-Ain, UAE

9h30 Oxidative stress & liver: Modulators of oxidative stress in alcoholic liver injury and regeneration

Raj Lakshman, George Washington University, Washington DC, USA

10h00 Fertility & oxidative stress: Pre-clinical evidences that antioxidant supplementation corrects sperm DNA oxidative damage and improves reproductive success

Joël Drevet, INSERM, Clermont University, Clermont-Ferrand, France

10h30 Coffee Break & Posters Session

Chairpersons: R. Lakshman & C. Platat

11h00 Role of antioxidants and oxidative damage in pathophysiology of cancer

Thomas E. Adrian, College of Medicine and Health Sciences, United Arab Emirates University, Al-Ain, UAE

11h30 On the role of ROS and antioxidants in tumor initiation and progression

Martin Bergö, Karolinska Institute, Solnavagen, Sweden

12h00 Oxidative stress in diabetes-induced cancer: master players in a new complication

Assaad Antoine Eid, Faculty of Medicine, American University, Beirut, Lebanon

12h30 Lunch Break & Posters Session

Chairpersons: J. Drevet & J. Saleh

13h30 Protective effect of antioxidants consumption on diabetes, hepatic and vascular complications: alliance between chemistry and biology

Stéphanie Dal, Centre Européen d'Etude du Diabète, Strasbourg, France

**14h00 Short oral presentations**

**L-tug Lycopene - Antioxidant and More**

Stoffer Loman, NutriClaim BV, the Netherlands

**Resveratrol and diabetic foot syndrome**

Ivan Petyaev, Lycotec Ltd, Cambridge, United Kingdom

**Alteration of Dynamic Thiol Disulphide Hemostatis in Both Maternal Circulation and Umbilical Cord Blood and its Relation to Mode of Delivery**

Melahat Yildirim, Yildirim Beyazit University School of Medicine, Turkey

**Preclinical and clinical effects of co-ultramicrosized PEA-LUT® treatment on autism spectrum disorder**

Salvatore Cuzzocrea, University of Messina, Italy

**Co-ultra PEALut enhances neuronal recovery after a moderate traumatic brain injury**

Irene Paterniti, University of Messina, Italy

**Vitamin A intake through local food recipes: can be a solution to improve immunity system in Mozambique?**

Damiano Pizzol, Doctors with Africa, Mozambique

**15h00 Coffee Break & Posters Session**

**Protective effects of punicalagin on caco-2 intestine cell line under oxidative stress caused by tert-butyl hydroperoxide**

Ulfat Mohammed Omar, King Abdulaziz University, Saudi Arabia

**Anti-Inflammatory, antioxidant and anti-genotoxic effects of different doses of bee venom on adjuvant induce arthritis in rats**

Abdurrahim Kocyigit, Bezmialem Vakıf University, Turkey

**Medicinal herbs: effects on in vivo antioxidant markers and clinical laboratory results**

Yousif Yahia Bilto, The University of Jordan, Jordan

**Effect of Vitamin D on Inflammatory and oxidative stress biomarkers, gastrointestinal symptoms and health related quality of life in irritable bowel syndrome patients**

Amir Abbasnezhad, Ahvaz Jundishapur University of Medical Sciences, Iran

**Characterization of Antioxidant rich Cordyceps sinensis fractions by Semi- Preparative HPLC**

Rakhee Rajput, University of Delhi, India

**Antioxidant and Pro-Oxidant Activities of dietary ginger (Zingiber officinales Rosc)**

Sevana Daneghian, Ahvaz Jundishapur University of Medical Sciences, Iran

**17h00 End of First Day**

## Day 2 - April 13, 2016

8h25 Opening of the second day

Chaired by M. Bergö & R. Maroun

8h30 **New insight on metabolic markers linked to oxidative stress and the metabolic syndrome**  
Jumana Saleh, College of Medicine & Health Sciences, Sultan Qaboos University, Muscat, Oman

9h00 **Ameliorative effects of gum acacia in rat models of chronic kidney disease In rats**  
Ali Badreldin, College of Medicine & Health Sciences, Sultan Qaboos University, Muscat, Oman

9h30 **Novel effect of Gum Arabic (Acacia Senegal): past, present and future**  
Omaima Dahab Nasir, Taif University, Saudia Arabia

### Session 2: Antioxidants & Functional Ingredients in Food & Beverage

9h40 **State of the art technology for antioxidants extraction from food byproducts in the Middle-East**  
Richard Maroun, Dean of the Faculty of Sciences, Saint Joseph University, Beirut, Lebanon

10h10 **Innovative technologies for antioxidants extraction from food and food byproducts**  
Nicolas Louka, Saint Joseph University, Beirut, Lebanon

#### 10h40 Coffee Break & Posters Session

11h10 **Vine shoots green valorization: phenolic compounds extraction using green solvents**  
Zeina Hobaika, Saint Joseph University, Beirut, Lebanon

11h40 **Short oral presentations**

**Extraction technology and composition of natural balanced antioxidant from conifers of Pinus Sylvestris and Picea Abies, which possess unique therapeutic properties**  
Vagif Sultantov, Executive Chairman, Solagran Limited, Australia

**Polyphenols, reducing sugars and soluble lignin extraction from vine shoots by High Voltage Electrical Discharges, enzymatic and alkaline hydrolyses**  
Hiba N. Rajha, Saint Joseph University, Lebanon

**Polyphenols Bioaccessibility And Antioxidant Activity In Yogurt Enriched With Cocoa Bean Shell**  
Letricia Barbosa-Pereira, University of Turin, Italy

**Antioxidants of Pomegranate Peel Extract against oxidative stress by Rotenone in cell lines**  
Amani Salim Al-Rawahi, Sultan Taboos University, Oman

**Sumac fruit extracts exhibit antioxidant properties on human myoblast and zebrafish embryos**  
Aline Hamade, Lebanese University, Lebanon

**Saffron extract exhibit antioxidant protective effect on human myoblast and zebrafish embryos**  
Fadia Najjar, Lebanese University, Lebanon

#### 12h45 Lunch Break & Posters Session

## Session 3: Horses, Camels & Oxidative Stress: Strategic Role of Antioxidants

Chaired by **D. Serteyn & R. Seboussi**

- 13h45 Oxidative stress and performance in horses – Perspectives for camels**  
**Didier Serteyn**, Center for Oxygen, Research and Development, Liège, Belgium
- 14h15 Diagnostic and prognostic importance of oxidative stress biomarkers in camels**  
**Wael El-Deeb**, College of Veterinary Medicine and Animal Resources, King Faisal University, Al Hofuf, Saudi Arabia
- 14h45 Improvement of the antioxidant status of camels and dairy cows by using selenium supplementation and fodder rich in selenium**  
**Rabiha Seboussi**, HCT-AI Ain Men's College's (AAMC), Health sciences, Veterinary faculty, Al-Ain, UAE
- 15h15 Short oral presentations**
- Soluble curcumin and horses: strategic ingredient in the future**  
**Didier Serteyn**, Center for Oxygen, Research and Development, Liège, Belgium
- Evaluation of bioeffectives (conifer green needle complex) in horses with equine gastric ulcer syndrome and (isoprenols) in breeding stallions**  
**Kamran Shamsi**, Regional Director, Solagran Limited, Australia
- The effects of consuming a polyphenol rich açai based meal on vascular function**  
**Randah Alqurashi**, University of Reading, United Kingdom
- Biochemical and histological effects of thiamine pyrophosphate against acetaminophen-induced hepatotoxicity**  
**Hilal Bektas Uysal**, Adnan Menderes University, Turkey
- Pomegranate Antioxidants and Brain Health**  
**Ghazi Ahmad Daradkeh**, Hamad Medical Corporation, Qatar
- Caper (Capparis Ovata) Water Extract as an Efficient Preparation for Treatment of Multiple Sclerosis**  
**Alaattin Sen**, Pamukkale University, Turkey
- 16h30 End of Second Day**
- 20h00 Dinner at Marriott Al Jaddaf Hotel**  
*To register, please contact the registration desk on site.*

## Day 3 - April 14, 2016

8h25 Opening of the third day

### Session 4: Dietary and Food Supplements in the Middle East

Chaired by M. Edeas & S. Loman

8h30 Introduction Remarks

Marvin Edeas, Chairman of ISANH, Paris, France

8h45 Dietary and Food Supplements Europe 2016 - All you need to know from A to Z

Stoffer Loman, NutriClaim, The Netherlands

- The EU system of Food Regulation - Food supplements
- The latest Food Regulations imposed by the EC
  - General Food Law
  - Food Supplements
    - Vitamins and minerals that may be added to foods
    - Vitamin formulations and mineral substances that may be added to foods
- Safety
  - Limits to microbiological, heavy metal and chemical contamination
  - Certified lab
- Labeling : Mandatory requirements
- Novel Food
- Claims : Authorized health claims / Claims related to a general, non-specific well-being
- The EU Food Supplement Market:
  - Impact of EFSA safety evaluations
  - Impact of EC decisions?
- ❖ The EU Food Supplement Market: Impact of regulation and authorization
  - What is the impact of EFSA/EC strategy on the credibility of food supplements? Safety first!
  - Impact on consumers? Health benefit first!

9h30 Dietary and Food Supplements Middle East 2016 - All you need to know from A to Z

Stoffer Loman, NutriClaim, The Netherlands

- Issues with harmonization between the Member States
- Are Food Supplements defined as « Food » in the Middle East?
- Food supplements - claim driven market
- Scientific credibility and Clinical Studies
- Template regulations (e.g. Saudi Arabia?)
- Where are we now ?

#### Why ISANH Food Supplements Platform?

We offer up-to-date scientific and regulatory support of food supplement businesses importing and exporting food supplements

(Middle East  Europe)

#### Launching your brand of Food Supplements in the EU and Middle East?

- 1/ The credibility of ingredients
- 2/ Novelty of ingredients
- 3/ Toxicity Primary concern in the EU. Food Safety is paramount.
- 4/ Clinical studies. Target population! Ethnicity, scientific rigor, methodology
- 5/ Claims in other countries
- 6/ Decision

9h45 Discussion

**10h00 The effect of ginger powder on blood glycaemia, blood lipidemia and body composition on adults at risk for cardiovascular diseases: a controlled, randomized, single blind, parallel-design study**  
**Ayesha Salem Al Dhaheri**, University of United Arab Emirates, Al Ain, UAE

**10h30 Coffee break**

**11h00 Food supplements, natural antioxidants and brain function**  
**Mohamed Essa**, Food Science and Nutrition College of Agricultural and Marine Sciences, Sultan Qaboos University, Muscat, Oman

**11h30 Targeting colorectal cancer with dietary antioxidants**  
**Mostafa Waly**, Sultan Qaboos University, Muscat, Oman

**12h00 Vitamin D deficiency disorders assessment among healthy pregnant women in United Arab Emirates**  
**Latifa Rashid**, Head of Nutrition Section Department, Ministry of Health, Al Ain, UAE

**12h30 Fertilix®: The design of a novel prophylactic treatment of oxidative stress affecting male fertility**  
**Parviz Gharagozloo**, President & CEO, CelloXess LLC, USA

**12h40 Discussion & conclusion: Dietary Supplements in 2016: Recommendations**  
**What is the future of health ingredients supplementations in the Middle East?**

**ISANH Middle East 2016 Awards:**

- *Scientific Contribution Award 2016*
- *Young Scientific Contribution for Oral and Poster Contribution*

**Conclusion of ISANH Middle East World Congress 2016**

In the presence of Organizers & Speakers from scientific committee

**13h00 Lunch Break & End of ISANH Middle East World Congress**