

# 3<sup>rd</sup> ISANH Middle East Antioxidants World Congress

May 2-3, 2018 - Royal Scientific Society, Amman, Jordan

Under the Patronage of HRH Princess Sumaya bint El Hassan,  
the President of Royal Scientific Society

## Agenda

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### Day 1 – May 2, 2018

8h00 **Welcoming, registration & seating the invitees**

9h00 **Jordanian National Anthem - Few minutes film about Royal Scientific Society**  
*Prof. Hanan Malkawi, Master of Opening Ceremony, VP at Royal Scientific Society, Jordan*

9h20 **Welcome introduction by ISANH Middle East Chairpersons**  
*Prof. Richard Maroun, President of ISANH Middle East, Dean of Faculty of Sciences, Saint Joseph University, Lebanon*  
*Prof. Jumana Saleh, Vice-President of ISANH Middle East, Sultan Qaboos University, Oman*  
*HRH Princess Sumaya bint El Hassan, President of Royal Scientific Society, Jordan*

#### 9h50 Coffee Break & Posters Session

Chairs: Kamel Ajlouni, Hanan Malkawi, Jumana Saleh

10h15 **Prevalence of diabetes and prediabetes in Jordan and Arab countries**  
*Kamel Ajlouni, Director of the National Center for Diabetes, Endocrinology & Genetics, Jordan*

### Session 1: Oxidative stress & antioxidants in health & medicine: Recent advances and perspectives

10h40 **Oxidative stress, mitochondria and microbiota: how to modulate this strategic targets?**  
*Marvin Edeas, Institut Cochin - University Paris Descartes, Paris, France*

11h05 **The clinical relevance of systemic markers of oxidative stress in metabolic syndrome disorders**  
*Body fat distribution as a determinant of cardiovascular risk and insulin resistance in reproductive and post-menopausal Arab women*  
*Jumana Saleh, Sultan Qaboos University, Oman*

11h30 **Redox signaling predicts disease progression and patient survival in various conditions**  
*Harry van Goor, University Medical Center Groningen, The Netherlands*

11h55 **Redox regulation of lung cancer metastasis**  
*Martin Bergö, Sahlgrenska Cancer Center, Sweden*

12h20 **The effect of antioxidants intake on cardiovascular diseases among Jordanians**  
*Reema Tayyem, The University of Jordan, Jordan*

#### 12h45 Lunch Break & Posters Session

Chairs: Martin Bergö, Harry van Goor

14h00 **Oxidative stress, DNA damage and inflammation as biomarkers of radiotoxicity in radiation exposed healthcare workers**  
*The side effects of radiotherapy in cancer patients*  
*Iman Ahmad, University of Nebraska Medical Center, USA*

## Session 2: Antioxidants extraction & practical applications of antioxidants in health

- 14h25 **Antioxidant molecules of food byproducts: from the extraction using innovative technologies to bioactive properties**  
*Richard Maroun, Saint Joseph University of Beirut, Lebanon*
- 14h50 **Intensification of phenolic compounds extraction from purple maize using IVDV (Intensification of Vaporization by Decompression to the Vacuum)**  
*Nicolas Louka, Saint Joseph University of Beirut, Lebanon*
- 15h15 **Selective multi-stage extraction process of biomolecules from vine shoots by a combination of biological, chemical and physical treatments**  
*Hiba Rajha, Saint Joseph University of Beirut, Lebanon*

### 15h40 Coffee Break & Posters Session

Chairs: Espérance Debs, Hiba Rajha

- 16h10 **Comparative study between ethanolic and  $\beta$ -cyclodextrin assisted extraction of polyphenols from peach pomace**  
*Espérance Debs, University of Balamand, Lebanon*
- 16h35 **Green tea intervention for protection against smoking related oxidative damage among smokers: role of genotypes**  
*Iman Hakim, University of Arizona Cancer Center, USA*
- 17h00 **Role of Pentoxifylline, a potential antioxidant drug, in human sperm function**  
*Saleem Bani Hani, Jordan University of Science and Technology, Jordan*
- 17h25 **Effects of maternal metformin supplementation on prenatal growth and metabolism of the offspring**  
*Antonio Gonzalez-Bulnes, Comparative Physiology Group SGIT-INIA, Spain*

Short oral presentations (7 minutes for presentation + 3 minutes for questions)

- 17h40 **Effect of different extracting solvents and hydrothermal processes on antioxidant activity of oat bran extracts**  
*Michał Janiak, Polish Academy of Sciences, Poland*
- 17h50 **Correlation between functional tests and oxidative stress markers in healthy older subjects**  
*Gabriel Nasri Marzuca-Nassr, Universidad de La Frontera, Chile*
- 18h00 **Hypotensive effect of rutin containing drink by a clinical trial**  
*Chin-Kun Wang, Chung Shan Medical University, Taiwan*
- 18h10 **Controlling oxidative stress promotes functional recovery after traumatic brain injury**  
*Raghu Vemuganti, University of Wisconsin, USA*
- 18h20 **End of the first day**
- 19h30 **Amman Antioxidants Dinner**  
*All the practical information will be communicated on site.*

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### Day 2 – May 3, 2018

8h55 Opening of the second day

#### Session 3: Diabetes & Redox Medicine

Chairs: Iman Hakim, Lubna Tahtamouni

- 9h00 **Hypogonadism in patients with type 2 Diabetes Mellitus**  
*Nahla Khawaja, The National Center for Diabetes, Endocrinology and Genetics, Jordan*
- 9h25 **What about dysglycemia: recent scientific advances and perspectives**  
*Mousa Abujbara, The National Center for Diabetes, Endocrinology and Genetics, Jordan*
- 9h50 **Prevalence, gender differences and associated factors of depression among adults with type 2 diabetes in Jordan**  
*Dana Hyassat, The National Center for Diabetes, Endocrinology and Genetics, Jordan*
- 10h15 **Novel insights into a shared pathophysiology in type I diabetes and Crohn's disease**  
*Naser Saleh, University of Central Florida, USA*
- 10h40 **Identification of novel education models to improve health outcomes in people with pre-diabetes living in Saudi Arabia**  
*Rasha Al-Hamdan, University of Nottingham, United Kingdom*

10h50 Coffee break & posters session

#### Session 4: Oxidative stress, antioxidants and innovations

Chair: Marvin Edeas, Richard Maroun, Reema Tayyem

- 11h30 **Oxidative stress and antioxidant therapy: from infection to cancer**  
*Maher Abdalla, University of Nebraska Medical Center, USA*
- 11h55 **How to improve bioavailability and efficacy of isolated antioxidants in clinic: from formulation and chaperones to organ targeting deliver**  
*Ivan Petyaev, Lycotec Ltd, United Kingdom*
- 12h20 Lunch Break & Posters Session
- 14h00 **Intravenous NAD<sup>+</sup> effectively increased the NAD metabolome, reduced oxidative stress and inflammation, and increased expression of longevity genes safely in elderly humans**  
*Nady Braidy, University of New South Wales, Australia*
- 14h25 **All we need to know about dietary and food supplements: comparasion between Europe and Middle East**  
*Stoffer Loman, NutriClaim, The Netherlands*

**Short oral presentations** (7 minutes for presentation + 3 minutes for questions)

- 14h50 L-tug lycopene and lycopene isomers: what are their role in various health benefits?**  
*Stoffer Loman, NutriClaim, The Netherlands*
- 15h00 In vitro pro-apoptotic effects of cephalostatin analogues: does endoplasmic reticulum stress alter redox homeostasis?**  
*Lubna Tahtamouni, The Hashemite University, Jordan*
- 15h10 Medicinal plants growing wild in Jordan: phytochemical and bioactivity screening**  
*Hala Al Jaber, Al-Balqa Applied University, Jordan*

**15h20 Coffee Break & Posters Session**

- 16h00 Natural product celastrol suppressed macrophage M1 polarization against inflammation in diet-induced obese mice via regulating Nrf2/HO-1, MAP kinase and NF- $\kappa$ B pathways**  
*Jianhui Rong, The University of Hong Kong, China*
- 16h20 Nephroprotective potential of Flaxseed and its lignan Secoisolariciresinol diglucoside against HgCl<sub>2</sub>- induced toxicity in rats**  
*Rajesha Javaraiah, University of Mysore, India*
- 16h30 Concluding remarks of ISANH Middle East World Congress 2018**  
*Prof. Richard Maroun, President of ISANH Middle East*  
*Prof. Jumana Saleh, Vice-President of ISANH Middle East*  
*Prof. Marvin Edeas, President of ISANH International*
- 17h00 End of ISANH Middle East World Congress**