



INTERNATIONAL SOCIETY OF
ANTIOXIDANTS
— MIDDLE EAST —



Université Saint-Joseph de Beyrouth
Faculté des sciences

18th ISANH Middle East

World Congress

“Beirut Antioxidants 2017”

May 3-4, 2017

Saint Joseph University of Beirut, Lebanon



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ISANH Middle East World Congress

May 3-4, 2017 – Saint Joseph University of Beirut, Lebanon

Dear Colleagues,

On behalf of ISANH International and ISANH Middle East, it is a great pleasure to announce the organization of ISANH Middle East Antioxidants World Congress which will be held in Beirut, Lebanon, on May 3-4, 2017.

The aim of this international congress is to gather all stakeholders in antioxidants field and their impact on nutrition and health. Participants will majority come from Middle East, Africa, Europe & Asia to discuss about some strategic axes during ISANH Middle East 2017.

Beirut Antioxidants 2017 congress will be dedicated to different targets:

- ***Antioxidants & oxidative stress in health and diseases***
- ***Antioxidants extraction & valorization***
- ***Antioxidants & functional ingredients used in food & beverage industry***
- ***Practical applications of antioxidants in food & beverage and cosmetic industries***

A round table discussion will be organized at the end of the congress to discuss the role of local institutions to setup a guideline to give credibility to the market of food and dietary supplements with bioactive ingredients such as polyphenols and antioxidants.

A large part of time will be dedicated to the short oral presentations upon abstracts submission. Each speaker will have ten minutes. Each day, a dedicated time will be allocated for poster presentations.

All the abstracts will be published in the Journal of ISANH.

With this exciting program, we wish to meet you in Beirut next May.

Pr Richard Maroun - President of ISANH Middle East

Pr Jumana Salah – Vice-President of ISANH Middle East



ISANH Middle East World Congress

May 3-4, 2017 – Saint Joseph University of Beirut, Lebanon

Agenda

Day 1 – May 3, 2017

8h00 Welcoming & Registration of Attendees

9h00 Welcome introduction with the participation of

Pr. Richard Maroun, Dean-Faculty of Sciences, Saint Joseph University of Beirut, Lebanon and Chairman of ISANH-ME

Pr. Marvin Edeas, Paris Descartes University - Cochin Hospital, Chairman of ISANH International, France

Dr. Philippe Patsalides, Managing Director L'Oréal Levant, Lebanon

Pr. Mouin Hamzé, Secretary General of the National Council for Scientific Research of Lebanon

Pr. Salim Daccache s.j., Rector of Saint Joseph University of Beirut, Lebanon

H.E. Dr. Hussein El Hajj Hassan, Minister of Industry, Lebanon

9h45 Coffee Reception

Session 1: Oxidative Stress & Antioxidants in Health & Diseases

Chaired by Marvin Edeas & Richard Maroun

10h15 Oxidative stress and mitochondria-microbiota intertalk: strategies and perspectives

Marvin Edeas, Paris Descartes University - Cochin Hospital, Chairman of ISANH International, France

10h40 Redox 2017: Role of mitochondria during stem cells differentiation process

High resolution respirometry in muscle derived stem cells

Didier Serteyn, Center for Oxygen, Research & Development, Belgium

11h05 Involvement of TRPM2 and TRPV1 channels on chemotherapeutic drug-induced mitochondrial oxidative stress, apoptosis and calcium signaling in peripheral pain

Mustafa Naziroğlu, University of Suleyman Demirel, Turkey

11h30 Role of the interaction between endoplasmic and mitochondria in human microparticles induced endothelial dysfunction

Zainab Safiedeen, Lebanese University, Lebanon

11h55 Citrus peel oil and breast cancer prevention: potential role of d-limonene

Iman Hakim, University of Arizona Health Sciences, USA

12h20 Lunch Break & Posters Session

Chaired by Didier Serteyn & Ivan Petyaev

14h00 Colorectal cancer risk in diabetes: double the trouble in metabolic diseases

Assaad Antoine Eid, American University of Beirut, Lebanon

14h25 Promotion of cellular NAD⁺ anabolism as a strategy to improve cellular senescence

Nady Braidy, University of New South Wales, Australia

14h50 Oxidative stress & fertility: oxidation-reduction potential - a valuable method for identifying semen quality and male fertility status

Ahmad Majzoub, Hamad Medical Corporation, Qatar

15h15 Controversies of antioxidant supplementation in sports
Elie-Jacques Fares, American University of Beirut, Lebanon

15h40 Coffee Break & Posters Session

Chaired by Assaad Antoine Eid & Jumana Saleh

16h10 Nutrition, oxidative stress and intestinal dysbiosis
Abdo Jurjus, American University of Beirut, Lebanon

16h35 Cardiac and renal fibrosis: emerging impact of polyphenols
Nassim Farès, Saint Joseph University of Beirut, Lebanon

17h00 Alzheimer's disease and oxidative stress: recent advances and strategies
Rami Bou Khalil, Saint Joseph University of Beirut, Lebanon

17h25 Effect of quercetin on metabolic syndrome - induced oxidative stress in rat hearts
Ayça Bilginoğlu, Ankara Yıldırım Beyazıt University, Turkey

17h35 Oxidative changes in liver tissues of systemic ozone application after bone defect in rat mandibles
Zeliha Selamoglu, Omer Halisdemir University, Turkey

17h45 Antifungal and antiochratoxic activities of essential oils and total phenolic extracts: a comparative study
Rachelle El Khoury, Saint Joseph University of Beirut, Lebanon

17h55 End of first day

20h00 Beirut Antioxidants Dinner

Day 2 – May 4, 2017

8h55 Opening of the second day

Session 2: Antioxidants Extraction & Valorization

Chaired by Nassim Fares & Fahad Al-Zedjali

- 9h00 **Extraction of polyphenols from orange peels using innovative technologies**
Nicolas Louka, Saint Joseph University of Beirut, Lebanon
- 9h25 **Valorization of industrial by-products: assessing the impact of polyphenols on biogas production, using grape pomace**
Zeina Hobaika, Saint Joseph University of Beirut, Lebanon
- 9h50 **Valorization of apricot by-product using ultrasound, infrared and microwave technologies**
Dina Cheaib, Beirut Arab University, Lebanon
- 10h00 **Pomegranate peels valorization: polyphenols extraction through emerging technologies**
Hiba Rajha, Saint Joseph University of Beirut, Lebanon
- 10h10 **Food waste valorization: phenolic compounds extraction and applications**
Richard Maroun, Saint Joseph University of Beirut, Lebanon

10h35 Coffee Break & Posters Session

Session 3: Antioxidants Markers & Health Effects

Chaired by Aline Hamade & Mustafa Naziroğlu

- 11h00 **Systemic markers of oxidative stress in hyperlipidemia: what is the clinical relevance?**
Jumana Saleh, Sultan Qaboos University, Oman
- 11h25 **Effect of phenolic compounds on the cardiac fibroblast phenotype: in vitro experimental study in rats**
Youakim Saliba, Saint Joseph University of Beirut, Lebanon
- 11h50 **Middle Eastern sleep pattern and oxidative stress**
Fahad Al-Zedjali, Sultan Qaboos University, Oman
- 12h15 **Antioxidant, antimicrobial and antimutagenic effects of *arum maculatum*, medical plant from Turkish flora**
Nurcan Erbil, School of Health Sciences, Turkey
- 12h40 **The long-term impact of phenolic compounds on the rat gut microbiota**
Stéphanie Chacar, Saint Joseph University of Beirut, Lebanon

12h50 Lunch Break & Posters Session

Session 4: Practical Applications of Antioxidants

Chaired by Iman Hakim & Zeina Hobaika

- 14h20 **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

14h45 Antioxidant protective properties of spices extracts as hope for stem cell therapy
Fadia Najjar, Lebanese University, Lebanon

15h10 Thymoquinone from black seed: an antioxidant or prooxidant?
Hala Gali-Muhtasib, American University of Beirut, Lebanon

15h35 Coffee Break & Posters Session

Session 5: Dietary & Food Supplements in the Middle East

Chaired by Marvin Edeas & Richard Maroun

16h05 Development and validation of a semi-quantitative food frequency questionnaire for the assessment of antioxidant vitamins intake in Lebanon
Antioxidant vitamins consumption in obese and non-obese Lebanese
Joyce Zalaket, Holy Spirit University of Kaslik, Lebanon

Session 6: Special Session on Antioxidants & Skin

Chaired by Marvin Edeas & Richard Maroun

16h30 Atmospheric skin aging and antioxidants superiority
Isabel Castiel, L'Oréal, Lebanon

16h55 Antioxidants applications: what is next?
Round table animated by
Marvin Edeas, Paris Descartes University - Cochin Hospital, France
Richard Maroun, Saint Joseph University of Beirut, Lebanon
Isabelle Castiel, L'Oréal, France
Rihab Dridi, Agri-land, Tunisia

17h20 Conclusion of ISANH Middle East World Congress 2017
In the presence of Organizers & Speakers from scientific committee

ISANH Middle East 2017 Awards:

- *Scientific Contribution Award 2017*
- *Young Scientific Contribution for Oral and Poster Contribution*

17h45 End of ISANH Middle East World Congress