

COST Action FA1305
EU Aquaponics Hub: Realising Sustainable Integrated Fish and Vegetable Production for the EU

Final Conference

Aquaponics: From Science to Practice

9-10 April 2018

University of Greenwich, London, UK

Monday 09 April

09:00-09:45 Registration

09:45-10:00 Welcome

Benz Kotzen (Chair, COST Action FA1305, University of Greenwich, UK)

David Maguire (Vice Chancellor, University of Greenwich, UK)

10:00-10:30 COST Action FA1305 – An overview

10:30-11:00 Key note address

Ranka Junge (Zurich University of Applied Sciences, Switzerland): Strategic points in aquaponics

11:00-11:30 Coffee break

11:30-12:00 Key note address

Janelle Hager (Kentucky State University, USA): Current trends and the potential for growth of aquaponics in the US: A research perspective

12:00-13:00 *Session 1 – Chair: Siv Lene Gangenes Skar (Norwegian Institute of Bioeconomy Research)*

Simon Goddek (Wageningen University, Netherlands): Future perspectives on aquaponics

Boris Delaide (University of Liège, Belgium): Mineral elements in aquaponics: their impact on lettuce production and potential improvement of their availability

Zala Schmutz (Zurich University of Applied Sciences, Switzerland): Nutrient dynamics and microbial diversity in an aquaponic system

13:00-14:00 Lunch break

14:00-16:00 *Session 2 – Chair: Haissam Jijakli (University of Liège, Belgium)*

Carolina Castro (University of Porto, Portugal): Update on Nile tilapia (*Oreochromis niloticus*) and African catfish (*Clarias gariepinus*) impacts on basil (*Ocimum basilicum*) growth – a summary of polyponics research

Carlo Nicoletto (University of Padua, Italy): Evaluation of a low tech aquaponic system: results of the first 3 crop cycles

Robert Röllig (Rostock University, Germany): Microalgae cultivation for bioremediation of nutrients under aquaponic conditions

Peter Dapprich (South Westphalia University of Applied Sciences, Germany): A survey of plant pathogens

Discussion panel: Setting the research agenda

Ranka Junge (Zurich University of Applied Sciences, Switzerland)

Janelle Hager (Kentucky State University, USA)

Werner Kloas (Leibniz-Institute of Freshwater Ecology, Germany)

16:00-16:30 Coffee break

16:30-18:00 *Session 3 – Chair: Lidia Robaina (University of Las Palmas de Gran Canaria, Spain)*

Hijran Yavuzcan (Ankara University, Turkey): Fish welfare and biosecurity issues

Bozidar Raskovic (University of Belgrade, Serbia): Effects of pesticides on biofilter bacteria in aquaponics

Andras Bittsanszky (InDeRe Institute, Hungary): Plant protecting agents for aquaponic systems

Discussion panel: Biosecurity and fish welfare

Giuliana Parisi (University of Florence, Italy)

Juhani Pirhonen (University of Jyväskylä, Finland)

Vladimir Radosavljevic (Scientific Institute of Veterinary Medicine of Serbia)

Elena Mente (University of Thessaly, Greece)

18:00-19:00 Association of Commercial Aquaponics Companies (ACAC) Annual General Meeting

Tuesday 10 April

09:00-09:30 Key notes address

Austin Stankus (FAO, Italy): Aquaponics works, so what's the problem? A global perspective on research, development and adoption

09:30-11:00 *Session 4 – Chair: Tamas Komives (Hungarian Academy of Sciences)*

Bettina König (Humboldt University of Berlin, Germany): How can aquaponics contribute to more sustainable food production and consumption?

Andrea Forchino (Ca' Foscari University of Venice, Italy): Betting on sustainability: the Life Cycle Thinking approach to aquaponics

Carmelo Maucieri (University of Padua, Italy): Aquaponics for educational purposes: A Life Cycle Assessment

Discussion panel: How sustainable is aquaponics?

Alice-Marie Archer (Bristol Fish Project, UK)

Brian Filipowich (Aquaponics Association, USA)

Austin Stankus (FAO, Italy)

11:00-11:30 Coffee break

11:30-12:00 Key note address

Ryan Chatterson (Chatterson Farms, USA): Commercial aquaponics in the United States: The current industry and opportunities for the future

12:00-13:00 *Session 5 – Ragnheidur Thorarinsdottir (Svinna-verkfraedi Ltd/University of Iceland)*

Kyra Hoevenaars (AquaBioTech Group, Malta): EU policies: opportunities for aquaponics

Agnes Joly (Aquaprimeur, France): Aquaponics entrepreneur strategies in Europe

Morris Villarroel (Technical University of Madrid, Spain): Aquaponics in the EU

13:00-14:00 Lunch break

14:00-16:00 *Session 6 – Chair: Agnès Joly (Aquaprimeur, France)*

Harry Palm (Rostock University, Germany): Perspectives and constraints on the commercialization of aquaponics in Germany

Ragnheidur Thorarinsdottir (Svinna-verkfraedi Ltd/University of Iceland): What is special about aquaponics produce?

Faris Farrag (Bustan Aquaponics, Egypt): Commercial scale aquaponics in middle income countries

Discussion panel: From science to practice

Dagny Stefansdottir (Samraekt Laugarmyri, Iceland)

Gregory Biton (De l'Eau à la Bouche, France)

Fernando Sustaeta (Nerbreen, Spain)

Ryan Chatterson (Chatterson Farms, USA)

16:00-16:30 Coffee break / Close

16:30-17:00 Management Committee meeting