EUROPEAN COOPERATION
IN SCIENCE AND TECHNOLOGY

Agenda

3. Training School on Optimal Control Theory and Mosquito Control Strategies: Mathematical Modelling in Epidemiology and Control

1. - 4. March 2020

Venue

Parque Technologico, Puerto del Rosario, Fuerteventura, Canary Islands (Spain)

https://sites.google.com/site/Fuerteventuratrainingschool2020/home

1.Day

Monday, 2. March 2020

9:00 - 10:00 **Registration**

10:00 – 10:15 **Welcoming Participants**

Fuerteventura Council (Blas Acosta / Manuel Hernández)
Peyman Ghaffari, Ana Marija Grancaric, Virginia S. Sanchez

10:15 - 11:00 **Peyman Ghaffari**
"Introduction to 3. Training School"

11:00 - 11:30 **Ana Marija Grancaric**
"Theory of Chemical Finishing of Textiles" Lecture I

11:30 - 12:00 **Asghar Talbalaghi**
TBA

12:00 - 12:30 **Coffee Break**

12:30 - 13:00 **Aleksandar Cvetkovikj**
"Monitoring and control of Aedes albopictus in North Macedonia"

13:00 - 13:30 **Urszula Skwara**
"About numerical and analytical aspects in mathematical modelling of vector-borne diseases"

13:30 - 14:00 **Kiril Lisickov**
"Application of MATLAB and Simulink for analysis and simulation of biological, chemical and environmental systems (Case study from chemical-textile engineering)" Lecture I

14:00 - 15:00 **Lunch**

15:00 - 15:30 **Milica Karadzic Banjac / TBA**

15:30 - 16:00 **Tatjana Atanasova-Pacemska**
"One possible DEA application in qualitative / quantitative analysis to enhance system efficiency"

16:00 - 16:30 **Coffee Break**

16:30 - 18:00 **Open Discussion**
Meetings Training Working Groups Posters
Book Project (TWG7)
Networking Events

2. Day
Tuesday, 3. March 2020

9:30 - 10:00 **Kiril Lisickov**
"Optimization Theory and MatLab" Lecture II

10:00 - 10:30 **Maria A Santana-Morales**
"Eradication of Aedes aegypti mosquito in Fuerteventura (Canary Islands)"

10:30 - 11:00 **Rui-De Xue**
"What kind of data have we collected and what kind of help do we need?"

11:00 - 11:30 **Detlef Wabnitz, Peyman Ghaffari**
"The neccessity of a functioning and robust Data-bank in analysis of mosquito transmitted Vector-borne Diseases"

11:30 - 12:00 **Dmitry Zaitsev**
TBA

12:00 - 12:30 **Coffee Break**

12:30 - 13:00 **Martin Eichner, Markus Schwehm**
"COVID-19 pandemic preparedness Simulator"

13:00 - 13:30 **Virginia Sanz Sánchez / Markus Schwehm**
"Introduction to our IMAAC Website"

13:30 - 14:00 **Gideon A. Ngwa**
"The role of the gonotrophic cycle on mosquito abundance"

14:00 - 15:00 **Lunch / Training School Picture**

15:00 - 15:30 **Anja Weber, Wolfgang Schmidt**
"Importance of boosting the Immune system in case of Vector Borne-Diseases; Some thoughts and possible suggestions! "

15:30 - 16:00 **Thakar Vinayak**
"Measuring mosquito repellency and Indian Textile Industry "

16:00 - 16:30 **Coffee Break**

16:30 - 18:00 **Open Discussion**
Meetings Training Working Groups
Posters
Discussion Open Grants (TWG6)

3.Day
Wednesday, 4. March 2020

9:30 - 10:00 **Amélia Pilar Rauter**
"New glycosides with potential for dengue drug discovery"

10:00 - 10:30 **Aleksandar T. Dimitrov, Beti Andonovik**
"Introduction to Nanomaterials"

10:30 - 11:00 **Russell Jara**
“Population dynamics and parameter estimation”

11:00 - 11:30 **Elton Rogozi, Anica Caka**
"Malaria eradication! Bringing new challenges on the mosquito control in Albania"

11:30 - 12:00 **Rolf Schmuck**
"Presentation and discussion of the recent IMAAC Video"

12:00 - 12:30 **Coffee Break**

12:30 - 13:00 **Arnoldas Pautienius**
“Potential new approach to surveillance strategy of Tick-borne encephalitis virus”

13:00 - 13:30 **Erhan Mustafa**
"Reducing the mosquito larvae population using novel separation trends in water and wastewater treatment "

13:30 - 14:00 **Peyman Ghaffari, Ana Marija Grancaric**
Comments to the 3. Training School

13:00 - 14:00 **Lunch**

14:00 - 16:00 **Open Discussion**
Meetings Training Working Groups
Posters
Open Grants
Book Project

16:00 **End of 3. Training School**