

# 20<sup>th</sup> APDR Congress

## Special Session

### **Title: Water reuse and sustainable development**

The name(s) of the organizer(s), with affiliation(s) and email(s) (identifying the chair)

- Maria de Fátima Nunes de Carvalho – Polytechnic Institute of Beja (Chair): e-mail- [mfcarvalho@ipbeja.pt](mailto:mfcarvalho@ipbeja.pt)

- Ana Rita da Silva Prazeres (CEBAL – Centro de Biotecnologia Agrícola e Agro - Alimentar do Baixo Alentejo)- [anaritaprazeres@gmail.com](mailto:anaritaprazeres@gmail.com)

- Manuel Joaquim Marques Patanita - Polytechnic Institute of Beja - [mpatanita@ipbeja.pt](mailto:mpatanita@ipbeja.pt)

- Mariana Augusta Parrinha Duarte Regato - Polytechnic Institute of Beja - [mare@ipbeja.pt](mailto:mare@ipbeja.pt)

Aim and scope of the session :

Adverse impacts of climate change have already been observed with respect to natural, food security, human health, the environment, economic activity and physical infrastructure. The emergent technologies could allow water-reuse opportunities in agriculture and transform an environmental problem in a solution as a *zero discharge system* and a source of nutrients.

We intend to discuss the water reuse as a sustainable resource:

- Integrated **water reuse** strategies
- Emergent Technologies and water reuse in agriculture
- Wastewater **reuse** in agriculture as a climate change adaptation
- Water reuse and agro-industries
- **Water reuse** and health