

## Scientific program

(Lisbon time)

**10:00 – 10:15** Opening session – Vitor Vasconcelos, Head of CIIMAR

**Chair - Carolina Castro (CIIMAR)**

**10:15 – 10:45** Plenary Talk: **Aquaponics in Mecklenburg-Western Pomerania: Research in the FishGlassHouse and knowledge transfer into regional aquaculture production** (Prof. Harry Palm; Universitat Rostock, Germany)

10:45 – 11:00 ACCESS2SEA - New opportunities for a more competitive and sustainable blue growth in the Atlantic area (Rodrigo Ozório)

11:00 – 11:15 Effects of different levels of soybean meal from ecological production on the welfare of common tench (*Tinca tinca*) (C. Teixeira, C.E. Trenzado, E.E. Rufino-Palomares, H. Peres, S. García-Mesa, C. Fallola, H. Pula, N. Lopera-Barrero, A. Pérez-Jiménez)

11:15 – 11:30 Effects of dietary composition and feeding frequency on growth and intermediary metabolism in gilthead seabream (*Sparus aurata*) (C. Basto-Silva, P. Enes, G. Nóvoa, A. Oliva-Teles, E. Capilla, I. Guerreiro)

**11:30 – 11:45** Break/Poster session

**Chair - Paula Enes (CIIMAR)**

**11:45 – 12:15** Plenary Talk: **Protein and amino acid nutrition in marine fish** (Helena Peres; CIIMAR, Fish Nutrition and Immunobiology Laboratory)

12:15 – 12:30 Insects in animal nutrition: a source of proteins of the future? (J.C. Lopes, S.F. Cardoso, V. Morais, C. Batista, T.L. Mateus)

12:30 – 12:45 Isolation of potential probiotics from European sea bass (*Dicentrarchus labrax*) gut microbiota for improving insect meal utilization (F. Rangel, R.A. Santos, M. Monteiro, A. Oliva Teles, P. Enes, C.R. Serra)

12:45 – 13:00 Effect of sucrose and glutamine in villi height development in the presence of antinutritional factors for Nile tilapia fed mesquite meal in substitution of corn (A.T.S. Santos, V.S. Almeida, L.V.O. Vidal)

**13:00 – 14:00** Break/Posters

**Chair - Helena Peres (CIIMAR)**

**14:00 – 14:30** Plenary Talk – **Aquicultura na América do Sul: Peixes Amazônicos, Tilápia, Camarão e Salmão** (Dra. Raquel Tatiane Pereira; Technical Manager South America at Olmix Group, Jundiaí, São Paulo, Brasil)

14:30 – 14:45 Marine catfish *Plotosus lineatus* is unique amongst teleosts (S.M. Kolbadinezhad, J.M. Wilson)

14:45 – 15:00 Autochthonous microalgae as a potential diet for broodstock conditioning and larval rearing of the Portuguese oyster, *Crassostrea angulata* (Lamarck, 1819) (A. Rato, S. Joaquim, J. Francisco, B. Vicente, L. Dâmaso, N. Bandarra, A. Amorim, D. Matias)

15:00 – 15:15 Correlation between two diagnose methods to evaluate *Perkinsus olseni* infection in *Ruditapes decussatus* clams (J. Estêvão, A. García, B. Costas, A. Cruz, S. Fernández-Boo)

**15:15 – 15:30** Break/Posters

**Chair - Cláudia Serra (CIIMAR)**

**15:30 – 16:00** Plenary Talk: **Alimentos funcionais - aplicação na aquicultura** (Prof. Margarida Maria Barros - Universidade Estadual Paulista, UNESP; Faculdade de Medicina Veterinária e

Zootecnia; Departamento de Melhoramento e Nutrição Animal; Laboratório de Nutrição e Saúde de Peixes - AquaNutri – Brasil)

- 16:00 – 16:15 Probiotic *Bacillus* spores as antigen delivery vehicles: towards the development of oral vaccines for aquaculture (G. Gonçalves, R. Santos, A.P. Carvalho, E. Gomez-Casado, P. Diaz-Rosales, C.T. Piñeiro, A. Oliva-Teles, F. Coutinho, C.R. Serra)
- 16:15 – 16:30 Assessing antimicrobial potential of agroindustrial by-products and extracts produced through solid-state fermentation in marine fish (J.F. Silva, C.R. Serra, R.A. Santos, A. Oliva-Teles, H. Fernandes, D. Filipe, I. Belo, J. Salgado, C. Castro, H. Peres)
- 16:30 – 16:45 Effects of protein level on growth performance of red tilapia *Oreochromis mossambicus* x *o. aureus* cultured in sea water with biofloc (I. Bañuelos-Vargas, E.G. Gómez-Ávila, Daniel, J. D. Castañeda-Farias, G.A. Rodríguez- Montes de Oca, C. Hernández-González, J.C.R. Reyes, M.G. Frías-Espericueta)
- 16:45 – 17:00 Break/Posters**

#### **Chair - Ana Couto (CIIMAR)**

- 17:00 – 17:30 Plenary Talk: Ácidos Graxos como nutracêuticos para peixes tropicais** (Prof. Priscila Vieira Rosa e Renan Rosa Paulino; Universidade Federal de Lavras, Departamento de Zootecnia, Brasil)
- 17:30 – 17:45 Thermostability of bioactive extract produced by solid-state fermentation of winery and olive-mill wastes added to aquafeed diet (M. Gonçalves, D. Filipe, H. Fernandes, C. Castro, A. Oliva-Teles, I. Belo, J.M. Salgado, H. Peres)
- 17:45 – 18:00 Solid-state fermentation of distiller's dried grains with solubles (DDGS) to produce enhanced vegetable protein: application in European sea bass diets (D. Filipe, M. Dias, J. Salgado, I. Belo, A. Oliva-Teles, H. Peres)
- 18:00 – 18:15 Striped bass fingerlings *Morone saxatilis* productive parameters response to partial replacement of fish meal with cricket meal *Gryllus assimilis* (S.C. Cabrera, L.A. López 2M.E. Galaviz, H. C. López)

#### **Pitch presentations**

- 18:15 – 18:20 Zoonoses caused by Nematoda fish parasites in Brazil (G. Pavanelli, J. Eiras, L. da Silva, C. Avelar)
- 18:10 – 18:25 Growth performance of fingerlings and juveniles Florida red tilapia and gift Nile tilapia fed high-nutritive extruded diets (A. Rudnik, P. Panaczewicz, L. Filho, J. Miranda, A. Filho, A. Moreira, A. Urbich, T. da Cruz, W. Furuya, V. Furuya)
- 18:25– 18:30 Nutritional programming improves insect meal utilization by Nile tilapia juveniles (K. R. B. de Oliveria, T. V. Fontes, I. L.G. Almeida, T. M. Orlando, M. V. Pereira, E. N.N. Zeferino, A. Oliva-Teles, P.V. Rosa)
- 18:30 – 18:35 Evaluation of fatty acids in wound healing in *Oreochromis niloticus* (B.C. Pereira, F. Wouters, R.R. Paulino, P. V. Rosa)
- 18:35 – 18:40 Growth performance and microbiome of Florida red tilapia (*Oreochromis mossambicus* x *O. hornorum*) and gift Nile tilapia (*O. niloticus*) during the second-phase of thermal masculinization fed micro extruded diet (T. da Cruz, P. Panaczewicz, A. Rudnik, L. Filho, J. Miranda, E. Macêdo, T. Gonçalves, V. Lopez, W. Furuya)
- 18:40 – 18:45 ACCESS2SEA - Use of non-invasive methods to evaluate aquaculture seabass, *Dicentrarchus labrax*, welfare under temperature and salinity oscillation (H. Santos, T. Cavalheri, F.S. Brito, R. Fernandes, M.G. Sales, L. Magnoni, J. Cabello, M.B. Dunbar, R. Ozório)

#### **18:30 Closing session**

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