



Aqualmprove

6th Aquaculture Research Workshop

10:00 | **Opening**
Prof. Dr. Aires Oliva Teles (CIIMAR/FCUP)

Chair – Prof. Dr. Isabel Belo

10:10 | **Plenary Talk: Biotechnological approaches for valorization of underutilized biomass to produce sustainable aquafeeds**
Dr. Helena Fernandes (University of Minho, Portugal)

10:30 | **Coffee Break**

11:00 | **Effect of solid-state fermentation extracts obtained with winery and olive mill by-products on oxidative stress reduction in European sea bass diets**
Filipe, D., Medeiros, C., Salgado, J., Belo, I., Oliva-Teles, A., Castro, C., Peres H.

11:15 | **Bio-enrichment of plant feedstuffs by *Aspergillus* sp. under solid-state fermentation for application to aquafeeds**
Vieira, L., Filipe, D., Magalhães, R., Ferreira, M., Ozorio, R., Oliva-Teles, A., Belo, I., Peres, H.

11:30 | **Fermentation of brewer's spent grain as new ingredient for aquafeed: growth performance and oxidative stress of *Dicentrarchus labrax* and *Argyrosomus regius***
Estevão-Rodrigues, T., Fernandes, H., Belo, I., Ferreira, M., Moutinho, S., Filipe, D., Fontinha, F., Magalhães, R., Oliva-Teles, A., Salgado, J., Castro, C., Peres, H.

11:45 | **Alkaline with autoclaving pre-treatment: an improvement of *Codium tomentosum* for their implementation in diets for European seabass (*Dicentrarchus labrax*)**
Ramos-Oliveira, C., Magalhães, R., Filipe, D., Navarro, L., Belo, I., Oliva-Teles, A., Peres, H.

12:00 | **Do consumers trust aquaculture products?**
Teixeira, G., Ribeiro, A. R.A., Matos, E.

12:15 | **Lunch**

Chair – Prof. Dr. Rodrigo Ozório

14:00 | **Plenary Talk: *in vitro* models of digestion applied to aquaculture**
Prof. Dr. Francisco Javier Moyano (University of Almeria, Spain)

14:30 | **Xylanase and β -glucanase on top of corn distillers' dried grain with solubles contained diets improve growth performance of juvenile Nile tilapia, *Oreochromis niloticus***
Nascimento, A. A., Macêdo, E. S., Panaczewicz, P. A. P., Urbich, A. V., Cruz, T. P., Wernickc, B., Furuya, V. R. B., Furuya, W. M.

14:45 | **Dietary replacement of fish meal by polychaete meal (*Alitta virens*): effects on European seabass growth performance and metabolism**
Costa, R.S., Monteiro, M., Sá, T., Kousoulaki, K., Thoresen, L., and Valente, L. M. P.

15:00 | **The effect of monospecific microalgal diets on larval development and fatty acid composition of the sea urchin *Paracentrotus lividus* (Lamarck, 1816) larvae**
Gomes, A. S., Lourenço, S., Santos, P. M., Neves, M., Adão, P., Tecelão, C., Pombo A.

15:15 | **The concept of the Portuguese Project MARemPÓ**
Pinto, B., Ferreira, S., Nunes, C., Coimbra, M., Pereira, E., Pereira, H., Gavaia, P., Vilanova M., Calado, R., Navalho, J. and Rodrigues, A.

15:30 | **Feed intake regulation as tool for waste management in fish**
Navarro, L.C., Azevedo, A., Cavalheri, T., Santos, H., Ozório, R.

15:45 | **The effect of Short Chain Fatty Acids (SCFA) on the immune system of European seabass: an "ex vivo" approach**
Fontinha, F., Pires, N., Magalhães, R., Peres, H., Oliva-Teles, A.

16:00 | **Coffee Break**

Chair – Prof. Dr. Rita Azeredo

16:30 | **Plenary Talk: Insect meal use in aquafeeds: better than fishmeal?**
Dr. Francesco Gai (Institute of Sciences of Food Production, Italy)

17:00 | **Assessing the best feeding strategy in GSB and ESB to modulate fillets' N3/N6 fatty acids ratio**
Magalhães, S., Aires, T.

17:15 | ***Anisakis* spp. and its potential health risks – the level of knowledge of three different groups of consumers**
Caldeira, A. J. R., Martins, L. O., Amorim, M. R. C., Santos, M. J.

17:30 | **Preliminary data on histological biomarkers of malnutrition in fish**
Oliveira, J., Barata, M., Soares, F., Pousão-Ferreira, P., Oliva-Teles, A., Couto, A.

17:45 | **Effects of salinity oscillations on growth, biochemical and physiological responses in European seabass acclimated at different temperatures**
Santos, H.G., Cavalheri, T., Silva-Brito, F., Navarro, L., Costa, A. and Ozorio, R.O.A.

18:00 | **Concluding Remarks**
Prof. Dr. Helena Peres (CIIMAR/FCUP)