

1. Institution

Israel Oceanographic and Limnological Research, National center for Mariculture

2. Principal investigator and contact person

3. Key personnel

| NAME | EMAIL | RESEARCH AREA DETAILS |
|--------------|-----------------------|--------------------------------------|
| Amos Tandler | tandleramos@gmail.com | Fish larval physiology and nutrition |

4. Research profile

Research interests:

Studies on marine fish larval physiology and nutrition, with an emphasis on the development of microdiets. Present activity is in the area of environmental and nutritional cues for malformation and sex determination at the early larval stages. Presently involved in the domestication of the blue fin tuna, with an emphasis on its larval rearing.

5. Key technologies and tools

6. Selected publications (max. 5)

Sandel, E., Nixon, O., Lutzky, S., Ginsbourg, B., **Tandler, A.**, Uni, Z., Koven, W. 2010. The effect of dietary phosphatidylcholine/phosphatidylinositol ratio on malformation in larvae and juvenile gilthead sea bream (*Sparus aurata*). *Aquaculture*. 304, 42-48

Ben-Atia, I., Lutzky, S., Barr, Y., Gamsiz, K., Shtupler, Y., **Tandler, A.**, Koven, W. 2007. Improved performance of gilthead sea bream, *Sparus aurata*, larvae after ozone disinfection of the eggs. *Aquaculture Research* 38, 166-173.

Mylonas, C.C., Anezaki, L., Divanach, P., Zanuy, S., Piferrer, F., Ron, B., Peduel, A., Ben Atia, I., Gorshkov, S., **Tandler, A.** 2005. Influence of rearing temperature during the larval and nursery periods on growth and sex differentiation in two Mediterranean strains of *Dicentrarchus labrax*. *Journal of Fish Biology* 67, 652-668.

Mylonas, C.C., Anezaki, L., Divanach, P., Zanuy, S., Piferrer, F., Ron, B., Peduel, A., Ben Atia, I., Gorshkov, S., **Tandler, A.** 2003. Influence of rearing temperature at two periods during early life on growth and sex differentiation of two strains of European sea bass. *Fish Physiology and Biochemistry* 28, 167-168.

Van Anholt, R. D., Koven, W.M., Lutzky, S., **Tandler, A.** and Wendelaar Bonga, S. E. 2004. Dietary supplementation with arachidonic acid alters the stress response of gilthead seabream (*Sparus aurata*) larvae. *Aquaculture* 238, 369-383.