

Complete List of Publications

1. **Pavlidis, M.**, Dessypris, A. and I. Christofidis, 1991. Seasonal fluctuations in plasma thyroid hormones, in two strains of rainbow trout (*Oncorhynchus mykiss*), during the first and second reproductive cycle; relation with their photoperiodically altered spawning time. *Aquaculture*, 99, 365-385.
2. **Pavlidis, M.**, Theochari, V., Paschos, J. and A. Dessypris, 1992. Effect of six photoperiod protocols on the spawning time of two rainbow trout, *Oncorhynchus mykiss* (Walbaum), populations in north-west Greece. *Aquaculture and Fisheries Management (véα ovoμασία: Aquaculture Research)*, 23, 431-441.
3. **Pavlidis, M.**, Dimitriou D. and A. Dessypris, 1994. Testosterone and 17 β -estradiol plasma fluctuations throughout spawning period in male and female rainbow trout, *Oncorhynchus mykiss* (Walbaum), kept under several photoperiod regimes. *Annales Zoologici Fennici*, 31, 319-327.
4. **Pavlidis, M.**, Berry, M., Divanach, P. and Kentouri, M., 1997. Diel pattern of hematocrit, serum metabolites, osmotic pressure, electrolytes and thyroid hormones in two marine teleosts; sea bass, *Dicentrarchus labrax* and sea bream, *Sparus aurata*. *Aquaculture International*, 5(3), 237-247.
5. Rotllant, J., **Pavlidis, M.**, Kentouri, M., Abad, M.E. and L. Tort, 1997. Non-specific immune responses in the red porgy *Pagrus pagrus* after crowding stress. *Aquaculture*, 156, 279-290.
6. **Pavlidis, M.**, Greenwood, L., Paalavuo, M., Mölsa, H. and J.T. Laitinen, 1999. The effect of photoperiod on diel rhythms in serum melatonin, cortisol, glucose and electrolytes in the common dentex, *Dentex dentex*. *General and Comparative Endocrinology*, 113, 240-250.
7. **Pavlidis, M.**, Paspatis, M., Koistinen, M., Paavola, T., Divanach, P. and M. Kentouri, 1999. Diel rhythms of serum metabolites and thyroid hormones in red porgy held in different photoperiod regimes. *Aquaculture International*, 7, 29-44.
8. **Pavlidis, M.**, Berry, M., Kokkari, C. and M. Kentouri, 1999. Prothrombin Time (PT), Activated Partial Thromboplastin Time (APTT), and fibrinogen values in four Mediterranean marine teleosts. *Fish Physiology and Biochemistry*, 21, 335-343.
9. **Pavlidis, M.**, Greenwood, L., Mourot, B., Kokkari, C., Le Menn, F., Divanach, P. and A.P. Scott, 2000. Seasonal variations and maturity stages in relation to differences in serum levels of gonadal steroids, vitellogenin and thyroid hormones in the common dentex (*Dentex dentex*). *General and Comparative Endocrinology*, 118, 14-25.
10. **Pavlidis, M.**, Koumoundouros, G., Sterioti, A., Somarakis, S., Divanach, P. and M. Kentouri, 2000. Evidence of temperature-dependent sex determination in the European Sea Bass (*Dicentrarchus labrax* L.). *Journal of Experimental Zoology*, 287, 225-232.

11. Iconomidou, V.A., Chryssikos, G.D., Giannis, V., **Pavlidis, M.A.**, Paipetis, A. and Hamodrakas, S.J., 2000. Secondary structure of chorion proteins of the teleostean fish *Dentex dentex* by ATR FT-IR and FT-Raman Spectroscopy. *Journal of Structural Biology*, 132, 112-122.
12. Loir, M., Le Gac, F., Somarakis, S. and **M. Pavlidis**, 2001. Sexuality and gonadal cycle of the common dentex (*Dentex dentex*) in intensive culture. *Aquaculture*, 194, 363-381.
13. Rigos, G., **Pavlidis, M.** and P. Divanach, 2001. Host susceptibility to Cryptocaryon sp. infection of Mediterranean marine broodfish held under intensive culture conditions: a case report. *Bulletin European Association Fish Pathologists*, 21(1), 33-36.
14. Greenwood, L. N., Scott, A. P., Vermeirssen, E. L. M., Mylonas, C. C. and **M. Pavlidis**, 2001. Plasma steroids in mature common dentex (*Dentex dentex*) stimulated with a Gonadotropin-Releasing Hormone Agonist. *General and Comparative Endocrinology*, 123, 1-12.
15. **Pavlidis, M.**, Keravek, S., Greenwood, L. N., Mourot, B. and A. P. Scott, 2001. Reproductive performance of common dentex, *Dentex dentex*, broodstock held under different photoperiod and constant temperature conditions. *Fish Physiology and Biochemistry*, 25, 171-180.
16. Machias, A., Maraveyia, E., **Pavlidis, M.**, Somarakis, S. and P. Divanach, 2002. Validation of annuli on scales and otoliths of *Dentex dentex*. *Fisheries Research*, 54, 287-294.
17. Koumoundouros, G., **Pavlidis, M.**, Anezaki, L., Kokkari, C., Steriotti, A., Divanach, P. and M. Kentouri, 2002. Temperature sex determination in the European sea bass, *Dicentrarchus labrax* (L., 1758) (Teleostei, Perciformes, Moronidae): Critical sensitive ontogenetic phase. *Journal of Experimental Zoology*, 292, 573-579.
18. Katharios, P., Iliopoulou-Georgudaki, J., Antimisiaris, S., Kantazaris, V. and **M. Pavlidis**, 2002. Pharmacokinetics of ivermectin in sea bream, *Sparus aurata* using a direct competitive Elisa. *Fish Physiology & Biochemistry*, 26, 189-195.
19. Szisch, V., van der Salm, A., Wendelaar Bonga, S.E. and **M. Pavlidis**, 2002. Physiological colour changes in the red porgy, *Pagrus pagrus*, following adaptation to blue lighting spectrum. *Fish Physiology & Biochemistry*, 27, 1-8.
20. **Pavlidis, M.**, Angelloti, L., Papandroulakis, N. and P. Divanach, 2003. Evaluation of transportation procedures on water quality parameters and fry performance in red porgy (*Pagrus pagrus*) fry. *Aquaculture*, 218, 187-202.
21. Rotllant, J., Balm, P.H.M., Martinez, M., **Pavlidis, M.**, Montero, D., Wendelaar Bonga, S.E. and L. Tort, 2003. Background color influence on the stress response in cultured red porgy, *Pagrus pagrus*. *Aquaculture*, 223, 129-139.

22. Mylonas, C. C., Papadaki, M., **Pavlidis, M.** and P. Divanach, 2004. Evaluation of egg production and quality in the Mediterranean red porgy (*Pagrus pagrus*) during two consecutive spawning seasons. *Aquaculture*, 232, 637-649.
23. Van der Salm, A.L., **Pavlidis, M.**, Flik, G. and S.E. Wendelaar Bonga, 2004. Differential release of α -Melanophore Stimulating Hormone isoforms by the pituitary gland of red porgy, *Pagrus pagrus*. *General and Comparative Endocrinology*, 135(1), 126-133.
24. Chatzifotis, S., Muje, P., **Pavlidis, M.**, Ågren, J., Paalavoo, T. and H. Mölsä, 2004. Evolution of tissue composition and serum metabolites during gonadal development in the common dentex (*Dentex dentex*). *Aquaculture*, 236, 557-573.
25. Katharios, P., **Pavlidis, M.** and J. Iliopoulou-Georgudaki, 2004. Accumulation of ivermectin in the brain of sea bream, *Sparus aurata* after intraperitoneal administration. *Environmental Toxicology & Pharmacology*, 17, 9-12.
26. **Pavlidis, M.**, Greenwood, L. and A.P. Scott, 2004. The role of sex ratio on spawning performance and on the free and conjugated sex steroids released into the water by common dentex (*Dentex dentex*) broodstock. *General and Comparative Endocrinology*, 138, 255-262.
27. Szisch, V., Papandroulakis, N. and **M. Pavlidis**, 2005. Ontogeny of the thyroid hormones in the gilthead sea bream, *Sparus aurata*. *General and Comparative Endocrinology*, 142 (1-2), 186-192.
28. Chatzifotis, S., **Pavlidis, M.**, Doñate Jimeno, C., Vardanis, G., Sterioti, A. and P. Divanach, 2005. The effect of different carotenoid sources on skin coloration of cultured red porgy (*Pagrus pagrus*). *Aquaculture Research*, 36, 1571-1525.
29. Kokokiris, L., Canario, A., **Pavlidis, M.**, Mylonas, C., Kentouri M. and Divanach P., 2005. Induction of ovulation and spawning in the Mediterranean red porgy, *Pagrus pagrus* by controlled delivery and acute injection of GnRH α . *Israeli Journal of Aquaculture-Bamidgeh*, 57(4), 223-230.
30. Van der Salm A.L., **Pavlidis M.**, Flik G. and Wendelaar Bonga, S.E., 2006. The acute stress response of red porgy, *Pagrus pagrus*, kept on a red or white background. *General and Comparative Endocrinology*, 145 (3), 247-253.
31. **Pavlidis, M.**, Kokokiris, L., Paspatis, M., Somarakis, S., Kentouri, M. and Divanach P., 2006. Gonadal development in hybrids of Mediterranean sparids: *Sparus aurata* (female) x *Pagrus pagrus* (male). *Aquaculture Research*, 37, 302-305.
32. **Pavlidis, M.**, Papandroulakis, N. and P. Divanach, 2006. A method for the comparison of chromaticity parameters in fish skin: Preliminary data on the coloration pattern of red skin Sparidae ("red porgies"). *Aquaculture*, 258, 211-219.
33. Nikolakopoulou, A.M., Dermon, C.R., **Pavlidis, M.** and M.G. Stewart, 2006. Passive avoidance training is correlated with decreased cell proliferation in the chick hippocampus. *European Journal of Neuroscience*, 24, 2631-2642.

34. Pavlidis, M., Fütter, W.C., Katharios, P. and P. Divanach, 2007. Blood cell profile of six Mediterranean mariculture fish species. *J. Applied Ichthyology*, 23, 70-73.

35. Fanouraki, E., Divanach, P and **M. Pavlidis**, 2007. Baseline values for acute and chronic stress indicators in immature red porgy (*Pagrus pagrus*). *Aquaculture*, 265, 294-304.

36. Fanouraki, E., Laitinen, J.T. and **M. Pavlidis**, 2007. Endocrine regulation of skin blanching in red porgy, *Pagrus pagrus*. *Ann. Fenici Zool.*, 44, 241-248.

37. M. Pavlidis, M. Karkana, E. Fanouraki, and N. Papandroulakis, 2008. Environmental control of skin colour in the red porgy, *Pagrus pagrus*. *Aquaculture Research*, *in press*.

38. E. Fanouraki, N. Papandroulakis, T. Ellis, C. Mylonas, A.P. Scott and **M. Pavlidis**, 2008. Water cortisol is a reliable indicator of stress in European sea bass, *Dicentrarchus labrax*. *Behaviour*, *in press*.