

**References of supervisor for
doctoral study and Ph.D. thesis of Dippl.-Ing. Vlastimil Stejskal named
Intensive culture and nutrition of Eurasian perch (*Perca fluviatilis* L.) fingerlings**

Field of intensive aquaculture belongs to kinds of research which are long-term developed in Research Institute of Fish Culture and Hydrobiology in Vodňany. Problems in perch culture become to object of research before less than ten years, firstly were solved artificial reproduction, later outgrow of different age category and connected study. Detailed elaboration of culture technology of new fish species is necessary for enlargement specific spectrum of fish cultured in European especially in Czech aquaculture. Although a few European Institutions aimed on this species present knowledge are not fully sufficient.

Dippl.-Ing Vlastimil Stejskal starts to Ph.D. study in October 2005. Aims of his work were to elaborated literary background research of perch culture and to developed technology of intensive perch culture on experiment basis.

It is possible to characterized he as hardworking and purposeful, perhaps too diffident student. During realization of experiment he has shown observation talent and considerable manual laboratory skill. He participates on training focused on utilization of recirculated systems in aquaculture placed in Netherlands during doctoral study. He was improved in use of statistical method and active English language. In terms of working-ships he worked on largest European farm on Eurasian perch in Clonoulty (Ireland).

The PhD work was supported by Research plans of USB RIFCH no. MSM 6007665809 (responsible leader Prof. Dipl.-Ing. Otomar Linhart, DSc.), project Kontakt no. ME 853 (responsible Assoc. Prof. Dipl.-Ing. Jan Kouřil, Ph.D.), projects no. QF 4118, no. QH 1305, supported Ministry of Agriculture of the Czech Republic (responsible leaders Assoc. Prof. Dipl.-Ing. Kouřil Jan, Ph.D. and Assoc. Prof. Dipl.-Ing. Pavel Kozák, Ph.D), project no. COOP-CT-2004, 512629; (responsible leaders Prof. Dipl.-Ing. Otomar Linhart, DSc. and Assoc. Prof. Dipl.-Ing. Tomáš Polícar, Ph.D.), project IAA608030801 and LC06073 from Czech Republic (responsible leader Prof. Dipl.-Ing. Otomar Linhart, DSc.)

Ph.D. thesis presented for defence included set of scientific publications, supplemented by introductory and final comments. Author included to his work experiments focused on comparison of the effects of anaesthetics he biochemical blood profiles, induced ovulation by hormonally preparations, dynamics of ATP and movement in sperm in conditions of decreasing osmolality, monthly variations in the semen characterization, growth pattern of all-female perch, size-related oxygen consumption and ammonia excretion of perch cultured in a recirculating system under optimal thermal and feeding conditions.

Activities of Dippl.-Ing. Vlastimil Stejskal mentioned above demonstrated his ability to fully orientation in investigation problems, formulated scientific hypotheses, prepared, realized and evaluated experiments. Results in terms of Ph.D. thesis (see above) were published in scientific paper with corresponding impact factor. Except that his results were presented on scientific conference in both abroad and Czech Republic and on Ph.D. seminars in RIFCH. Dippl.-Ing. Vlastimil Stejskal executed specified exam in planned term and realized all others requirements, including technical interships and pedagogic practice. All presumptions were accomplished for correct finalization of Ph.D. studies assessed by internal regulations RIFCH.

Therefore, I can recommend presented Ph.D. thesis „Intensive culture and nutrition of Eurasian perch (*Perca fluviatilis* L.) fingerlings" for defences with pleasure.

Together, I allow express presumption, that student will have evolved high levels of research in the area of intensive aquaculture in our institution.

At Vodňany 10.5.2009

Assoc. Prof. Dipl.-Ing. Jan Kouřil, Ph.D.
Supervisor
University of South Bohemia in České Budějovice
Research Institute of Fish Culture and Hydrobiology



