

## Supervisor's report on the doctoral study of Ph.D. student Tomáš Ditrich

Tomáš Ditrich studied his doctoral study in the area of specialization Biology of Ecosystems according to time schedule and passed it in set time (from 2006 to 2010). He extend his originally enrolled curriculum, oriented especially to the ecology and entomology, about three next lectures and courses (methodology, physiology and molecular biology oriented) and passed all exams in planed terms and mostly with excellent results. One year ago, he also successfully defended RNDr. thesis and was awarded by the Czech local postgraduate academic title RNDr (= Rerum Naturalium Doctor) at the Faculty of Sciences of the University of South Bohemia.

Colleague Ditrich was also involved in teaching of undergraduate students at the Faculty of Education. He taught Invertebrate Zoology course (from 2006) and different Ecology courses (from 2009) and has also supervising experiences. He supervised two successfully defended MSc. theses (2010) and nowadays supervises another two theses. Distinct feature of Tomáš's work at our department was high level of cooperativeness and enthusiasm for academic activities. Tomáš stepwise became very good and helpful fellow of this department.

The main duty of Ph.D. student is seen in an individual work on his thesis. Tomáš realized this duty very well and hardly worked on own personal scientific development. Results of his four year long scientific work can be briefly illustrated by following data and characteristics:

- Till now he published three original scientific papers in journals with IF  $\geq$  0.5, one paper in international scientific journal without IF and one article in popularizing area as senior author.
- He participated on five foreign international scientific conferences (3 oral presentations, 2 posters), on one Czech international conference (1 oral presentation, 3 posters), and on two Czech national conferences (1 oral presentation, 1 poster).
- He also intensively participated or still participates on four granted scientific project: one is granted by the Ministry of Education of the Czech Republic, one by the Grant Agency of the Czech Republic, one by the Grant Agency of the University of South Bohemia (his personal project), and one by the Research Council of Norway connected with research stay in the University of Bergen (Norway) (his personal project).
- He submitted Ph.D. thesis consisting of seven commented published, accepted or submitted papers on ecology, pteropolymorphism and ecophysiology of selected semiaquatic bugs from Central Europe (5 impacted). Results of this thesis are based on efficient and well advised combination of field work and mesocosm and laboratory experiments. Tomáš is also well educated in biostatistical methods. Both design of partial studies included in his thesis and his analyses of results distinctly reflect these facts.
- Finally, Tomáš Ditrich was awarded by the Nils Møller Andersen Award for young heteropterists by the Committee of the International Heteropterists' Society on the occasion of his participation on the Fourth meeting of IHS in Tianjin (China) (2010).

**Conclusion:** Tomáš Ditrich improved fully all the possibilities of Ph.D. study that were offered to him. Results of his Ph.D. study and his dissertation not only fulfil but exceed the requirements called for by the law of the Faculty of Sciences at the University of South Bohemia for awarding of the title Ph.D. For these reasons I recommend awarding of the scientific title Doctor of Philosophy to Tomáš Ditrich.

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