



PŘÍRODOVĚDECKÁ
FAKULTA
Univerzita Karlova

Zápis o části státní závěrečné zkoušky Obhajoba diplomové práce

Akademický rok: 2023/2024

Jméno a příjmení studenta: Bc. Dominika Dbalá
Identifikační číslo studenta: 69402371

Typ studijního programu: navazující magisterský
Studijní program: Evoluční biologie
ID studia: 759107

Název práce: Symmetry of green algal cells and their colonies resulting from adaptive phenotypic plasticity under planktonic life history
Pracoviště práce: Katedra zoologie (1700)
Jazyk práce: angličtina
Jazyk obhajoby: čeština
Vedoucí: prof. RNDr. Jiří Neustupa, Ph.D.
Oponent(i): Mgr. Vojtěch Fiala, Ph.D.
Datum obhajoby: 12.09.2024 **Místo obhajoby:** Praha
Termín: řádný

Průběh zkoušky: The presentation of the defended thesis was given in English, while it was clear and easy to understand. The graduate adequately responded to the questions of the supervisor and the opponent, which focused both on the structure of the work and methodology, as well as on conceptual questions of the overall approach and the evolutionary interpretation of the results.

Frýdlová, Škaloud: No statistical testing – would you guess if the result would be significant? – admit the missing statistical testing, indicated largest differences that could be significant
Nedbalová: Is the ecological interpretation of the four strains meaningful? – Yes, it needs to be careful
Škaloud: why the most asymmetry is in the condition of mixed treatments? – in unpredictable environment it is more difficult to keep the symmetry.
Vinkler: Are caenobia stable? Can they be selected on stability? – No relationship between symmetry and stability is expected
Frýdlová, Nedbalová: Experimental testing of the results? – would be great but did not do it.
Audience: was the size of the caenobia different between the three conditions? – yes, the largest for the mixed treatment
Vinkler: How the cells communicate to create the spines?
Transversal axis – is it physiologically different from the horizontal axis? – no information available to this
Vinkler: Enough strains (4)? Diversity investigated? – hope the results would not change
Škaloud: mixed treatment too short – no pre-adaptation? – no, just an unexpected treatment

Výsledek obhajoby: velmi dobře (2)

Předseda komise: Vinkler Michal, doc. RNDr., Ph.D.
(přítomen)

Členové komise: Frýdlová Petra, RNDr., Ph.D. (přítomen)
Nedbalová Linda, doc. RNDr., Ph.D.
(přítomen)
Škaloud Pavel, doc. Mgr., Ph.D. (přítomen)