

Thesis Title	THE EFFECT OF ELICITORS ON THE SECONDARY METABOLITES PRODUCTION IN VITRO CULTURES - I.
Author	Antonios Damaskinos
Reviewer	PharmDr. Jan Martin, Ph.D.

II. Diploma Thesis Assessment Report

Diploma thesis of Antonios Damaskinos has an experimental character and has 39 pages, 4 tables and 40 citations. The theme is „The effect of elicitors on the secondary metabolites production in vitro cultures I.“

The formal aspect of this work is poor. The ordering of the thesis is not standard - introduction chapter contains whole theoretical part. Unfortunately, this is just one formal mistake of many. Author did not pay attention to the layout: the text of abstract, names of chapters and figure's legends are not correctly formatted. There are many typing errors in the text and the format of references is not uniform.

Factual side of the diploma work is better than the formal one, although some mistakes can be found there. E.g. Classification of secondary metabolites is not right (flavonoids are also glycosides, some groups are missing - page 1). I believe that the results in table 4 are in mg/l, not in percentage. It is not clear what was the concentration of elicitor inside the flasks with cultures – please, count these concentrations (page 23). What was the real composition of culture medium described on the page 20? (Content of agar, indol-3-acetic acid, edamin seems improbable to me.)

My recommendation for overall mark is „good“ (3). The submitted thesis fulfils with difficulty requirements placed on the diploma thesis and oral defence of this thesis must be excellent.

Suggested classification:

good

In Hradec Králové

28. 5. 2013

Sign of reviewer