

## **The Principles of the 'Botany and Physiology of Plants' Commission for the Evaluation of Dissertations and the Person of the Applicant for the 'DSc.' Degree**

The work of the commission proceeds from the Rules for the Granting of the 'Doctor of Sciences' Degree in the ASCR issued as the Guidelines of the Academic Council of the ASCR No. 3/2006, from the General Principles for the Evaluation of Dissertations and Persons of an Applicant binding for all commissions issued by the Panel for the Granting of a Scientific Title of 'Doctor of Sciences', and governed by the Regulatory Procedure to the Rules for the Granting of the 'Doctor of Sciences' Degree.

### **1. General Criteria for the Evaluation of the Dissertation and Person of the Applicant**

The dissertation will be evaluated according to the character of the subject matter: whether it is scientific work of a 'laboratory' character (physiology and genetics of plants) or 'field' character (vegetation ecology and systematic botany).

In the areas of the genetics and physiology of plants, the requirement is at least forty (40) original publications in impact international journals. The items evaluated include whether the dissertation's author is the first or corresponding author and whether it arises from the articles that the dissertation author is the leading person of the projects and submitted studies. In the area of citations, at least 150 citations are required without self-citation. Great emphasis shall be placed on the overall value of the impact factor and the value of the Hirsch index. Alongside these currently recognised scientometric criteria, each dissertation will always be evaluated individually. Besides the actual dissertation and the presentation, its internationally recognised importance as a fundamental contribution for the field, considered pedagogical activity, number of defended Ph.D.s, students, scientific organisational activity, membership in international organisation, number of patents, etc. will be evaluated during the defence.

With applicants in the area of vegetation ecology and systematic botany, not only the currently recognised scientometric criteria (a minimum of twenty /20/ impact articles, their citations, the impact factors of the relevant journals, the Hirsch index) will be considered but also synthetic works (monographs or comprehensive collections of articles) based on long-term field or experimental studies of the selected taxa, ecosystems or phytogeographical regions, hence the works cited in the world's literature only after a longer time interval. Each of the applicants for the granting of the DSc. degree will be evaluated individually. At the same time, the pedagogical activity of the applicant, the number of his/her students who defend his/her Ph.D., activity in scientific organisations, active membership in international organisations etc. will be considered.

The course of the proceedings of the defence (selection of opponents, the actual defence, writing of the protocol) in the area of the physiology of plants and genetics will be entrusted to the Chairperson of the Commission, whereas

the course of the proceedings of dissertations in the area of vegetation ecology and systematic botany will be entrusted to the Vice-Chairperson of the Commission, who is responsible for the area of vegetation ecology and systematic botany.

## **2. Materials Required for the Defence:**

- a) proof of the successful completion of university education (diploma);
- b) proof of the granting of the academic Ph.D. degree position or proof of the granting of the scientific degree of Candidate of Sciences or proof of the granting of a title of the same standing;
- c) a curriculum vitae with an overview of the scientific work so far;
- d) the list publications that form the background materials of the dissertation (according to the requirements defined in the 'Rules'), with an IF and citations (without self-citations);
- e) the theses of the dissertation in twenty-five (25) copies,
- f) the dissertation in five (5) copies,
- g) a statement of in what labour relation the dissertation was created,
- h) an expression of your own scientific contribution and share of the work if the scientific results listed in the dissertation were acquired with co-authors,
- i) written opinions of two Doctors of Sciences or Professors (See Art. III, Sect. 4),
- j) if the applicant presents a new dissertation in the same field in a new proceedings for the granting of a scientific title, a statement of who issued the denial decision, the title of the original dissertation and the definition of the differences between.

Besides the above-mentioned materials, the commission requires the presentation of the following supplementary materials:

- a) a list of the other publications for the applicant for the DSc. degree that are not a part of the dissertation, with the IF and citations (without self-citations).

Please send the materials under letters **c, d, e, h, i** and **k** also in electronic form.

In Prague, 8 March 2008

RNDr. Tomáš Gichner, DrSc.  
Chairperson of the Commission

Discussed and approved on 15 May 2008 by the Panel for the 'Doctor of Sciences' Degree.

prof. RNDr. Antonín Holý, DrSc.  
Chairperson of the Panel  
for the 'Doctor of Sciences' Degree