

The Principles of the 'Analytical Chemistry' Commission for the Evaluation of the Dissertations and Persons of the Applicants for the 'DSc.' Degree

The work of the commissions 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. 5/2014, 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. Materials Required for the Defence:

Materials listed in the 'Rules':

- a) certified proof of the successful completion of university education (diploma);
- b) certified 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 of the publications that form the background materials of the dissertation (according to the requirements defined in the 'Rules');
- e) the theses of the dissertation in ten (10) 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.

2. General Criteria for the Evaluation of the Dissertation and Person of the Applicant

The background materials submitted will be evaluated (Art. III, Section 8) according to Art. III, Section 5 of the Rules. We recommend that the applicant submit at the same time as the material for the panel (according to the 'Rules') also an electronic version of his/her curriculum vitae, which would also be delivered to the chairperson of the commission.

All quantitative criteria are orientational and auxiliary values for the work of the commission (regulating the subject matter), whose members must fulfil the requirements of the highest scientific qualifications. We will evaluate each application individually and weigh all of the pros and cons. It will be indispensable to bear in mind also the length of time of activity in the science so as not to eliminate younger colleagues and their career paths with excessive strictness on numbers.

The principles of the evaluation of the background materials according to the articles of the Rules:

5c) curriculum vitae

The person of the applicant will be evaluated on the basis of a structured curriculum vitae, containing the **material** facts that characterise all of the aspects of his/her professional activities. Besides the usual data of curriculum vitae and the data on professional practice, workplace and work position, information filling in the professional profile of the applicant is presented in it, for instance:

- The foreign and domestic awards of the scientific work of the applicant (medals, prizes, honorary membership, honorary doctorates);
- Participation in the resolution of grants (the applicant is or has been the investigator of his/her own grant or a co-investigator of a grant from the Czech Science Foundation, Ministry of Health of the CR, ASCR or a foreign grant);
- Invited plenary speeches at important international conferences;
- **The training of doctoral candidates, scientific-pedagogical activity;**
- The implementation of the results of one's own scientific research (especially in connection with the submitted work), the resolution of serious technical problems in a significant technical work, patents, licences, the sale of know-how (technologies, mathematical models, program kit), the introduction of an important innovation into production etc.;
- Membership in the editorial councils of international professional journals;
- The organisation of international conferences;
- Scientific--organisational activity - membership in the bodies of international scientific organisations.

None of the mentioned items has the character of a necessary condition.

5d) a list of all of the original scientific works with the data on the rate of citation of these works

The quantitative evaluation of this background material must be taken as orientational for an idea of the professional level of the applicant and in connection with the activities listed in the curriculum vitae. The commission anticipates the fulfilment of the following quantitative criteria:

Over forty (40) impact, original publications

Over 200 citations without self-citations

Over thirty (30) impact points with corrections for co-authorship

5 e, f) the dissertation, theses of the dissertation

will be evaluated in further proceedings for whose commencement the following will be judged:

- pertinence to the commission
- basic features of the dissertation
- form according to the Rules;
- execution – at least in a ring binder;
- length - a minimum of thirty (30) pages on A4 paper not including pictures or graphs, tables and appendices;
- the dissertation and theses of the dissertation may be submitted in English;
- the dissertation should treat a thematically compact field;
- the author's publication forming the base of the dissertation should be among his/her most valuable and indisputably leading contributions.

5g) statement of how the dissertation was created, its usage

also the author's contribution and setting will be judged in terms of the potential importance and significance for the field

5h) statement of one's own scientific contribution and share of the work

the author's own view is documented also by the quantitative facts like whether the applicant is the first author or senior author of the publications forming the basis of the dissertation

5i) recommending position

It is necessary to exclude any possible partiality.

For the small scientific scope in the CR, the omission recommends foreign specialists.

As one of the opponents, a foreign expert will be proposed; if he/she is present, the presentation of the dissertation will be in English.

29 January 2014

Doc. RNDr. Karel Šlais, DrSc.
Chairperson of the Commission

Discussed and approved on 5 July 2014 by the Panel for the 'Doctor of Sciences' Degree.

prof. Ing. Karel Ulbrich, DrSc.
Chairperson of the Panel for the 'Doctor of Sciences' Degree