

The Principles of the 'Macromolecular 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. General Criteria for the Evaluation of the Dissertations and Persons of the Applicants

For the proceedings, dissertations will only be accepted from applicants that have demonstrated that they are a distinctive scientific person in one of the fields of macromolecular chemistry or physical chemistry and polymer physics, or in the interdisciplinary areas of macromolecular sciences arising from or closely related to it and whose work is a thematically compact collection of original scientific results significantly contributing to the development of learning in the relevant area of macromolecular science.

The applicant must be a distinctive scientific person, manifesting an ability to produce original, material and coherent scientific results, creating in his/her field of professional activity an independent and recognised direction. The applicant should normally be the author or co-author of at least fifty (50) original scientific works published in international professional journals with a review procedure with a total number of at least 200 responses according to the SCI (with the exclusion of all types of self-citations) and should be the bearer of his/her own grants issued by the Czech Science Foundation, Grant Agency of the ASCR, ministries of the CR or foreign institutions. The criteria that the commission will evaluate include also the ability to train young scientific employees (at least one scientific employee with a Ph.D. (or equivalent degree) as well as further professional activity like membership in the editorial councils of journals, patent and implementation activities, popularisation activity etc.

The commission recommends the elaboration of the dissertation in English, but it is not a necessary condition.

2. Materials Required for the Defence (listed in the 'Rules'):

- a) certified proof of the successful completion of university education (diploma);
- b) certified proof of the granting of the academic title Ph.D. 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 containing particularly:
 - personal data
 - data on studies and education achieved
 - professional development, category
 - foreign residences and internships longer than two (2) months (with the position labelled, e.g. post-doc, visiting professor and so on)

- pedagogical activity (lecture courses at universities, foreign universities, guidance of diploma candidates, doctoral candidates etc.)
 - membership in the editorial councils of professional journals
 - honours and other awards of the scientific work
 - further materials allowing judgement of the scientific and pedagogical activity of the applicant.
- 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.

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

- An abstract of the dissertation two pages in length at maximum emphasising the originality and main contribution of the submitted collection of works for the development of the field;
- A list of invited and other lectures presented by the applicant at international and national conferences (with the subdivision: invited lectures at international conferences, invited lectures at national conferences, other lectures presented by the applicant at international conferences, other presentations with published abstracts);
- A list of patents marking those that have been implemented;
- A list of grant projects investigated with which the applicant is or was the principal investigator or co-investigator (since 1992) (Name of the project, Grant Agency/Science Foundation or sponsor, project number, length of the project and the total amount of financial support for the team led by the applicant).

15 January 2014

Prof. Ing. Karel Ulbrich, 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