

## **The Principles of the 'Geological Sciences' 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. 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 the 'Doctor of Sciences' Degree, 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**

The doctoral dissertation may be submitted in the form of an independent, original scientific work, which contained the author's contribution to the development of the relevant scientific discipline or in the form of a collection of original, published scientific works by the applicant that have significantly assisted in the advancement of the given field and is completed by an accompanying text explaining the fundamentals of the individual publications and perhaps the generally achieved results. The scientific work of the applicant must show that the applicant is in the field of geological sciences or in a field connected with it a recognised scientific person and his/her professional activity has contributed to the development of knowledge in the relevant area. The results of the work have been accepted by prestigious journals at home or abroad, evoked the corresponding response of the scientific community or were to a significant degree utilised in joint work. The applicant should prove publication activity of at least fifty (50) publications, of which at least twenty (20) were published in international professional journals with a review procedure, and with the listing of at least sixty (60) responses excluding all self-citations. In the case of publications with an authorial team, it is necessary to add the expression of the co-authors on the percentage of the contribution of the applicant. Every application must be evaluated individually taking into consideration the difficulty of the work necessary for writing an original scientific publication.

The submitted dissertation will be evaluated by at least three opponents of whom a minimum of two must be university professors or doctors of sciences. None of the opponents may be a direct supervisor or subordinate of the applicant or his/her immediate co-worker and should not be a co-author of the works submitted as a part of the dissertation.

The evaluation of the scientific person of the applicant will start from the basic criteria of the General Principles, particularly from the following background data:

- the level of publication activity and citation response
- scientific-research activity (international projects, grant success rate, applications of the results etc.)
- pedagogical activity (semester lectures at domestic or foreign schools, guidance of diploma and doctoral students, selected lectures in special courses etc.), membership in the field councils of universities
- organisational and conceptual abilities, particularly the leadership of scientific teams, stipulation of conception of the research and editorial activity, the organisation of conferences

- foreign and domestic assessment of the scientific work (honorary doctorates, medals, prizes, normal as well as honorary membership, etc.)
- membership and position in international professional, governmental and non-governmental organisations
- membership in the councils of grant agencies, scientific councils, editorial councils, etc.

## 2. Materials Required for the Defence:

Materials listed in the 'Rules':

- 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 of publications that form the background materials of the dissertation (according to the requirements defined in the 'Rules');
- 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 brief abstract of the content of the work submitted of four pages in Czech and in English

An abstract of the published works that are listed in connection with the dissertation submitted

The written statement of the co-authors on the share of the applicant in creating the joint work if it is a component of the dissertation

The background materials for the utilisation of the scientometric criteria: a structured list of published works, a list of citation responses excluding self-citation of all of the co-authors, a list of invited lectures

28 January 2009

RNDr. Vladimír Rudajev, DrSc.  
Chairperson of the Commission

Discussed and approved on 12.03.2009 by the Panel for the 'Doctor of Sciences' Degree.

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