

Directive of the Rector  
No:1/2021- SR

**Rules for determining the minimum  
criteria for obtaining the titles of  
associate professor and professor  
at the Slovak University of Technology in Bratislava**

Date: 23. 02. 2021

**Slovak University of Technology in Bratislava, Vazovova 5,**  
**Bratislava**

In Bratislava 23.02.2021

Number: 1/2021 - SR

Slovak University of Technology in Bratislava (hereinafter also "STU" or "University") in accordance with Section 12 (1) (e) of Act No. 131/2002 Coll. on Higher Education and on Amendments and Supplements to Certain Acts, as amended, with the provisions of Act No. 269/2018 Coll. on Quality Assurance of Higher Education and on Amendment and Supplementation of Act No. 343/2015 Coll. on Quality Assurance of Higher Education and on Amendment and Supplementation of Act No. on public procurement and on amendment and supplementation of certain acts, as amended, in order to ensure compliance with the Standards for Habilitation and Appointment of Professors of the Slovak Accreditation Commission for Higher Education (SAAVŠ) and in order to ensure a uniform procedure in accordance with Section 30(1)(e) of the Higher Education Act, after approval by the Scientific Council of the Slovak University of Technology in Bratislava on 22.02.2021

**I s s u e s**

the following Rector's Directive

**Rules for determining the minimum  
criteria for obtaining the titles of  
associate professor and professor  
at the Slovak University of Technology in Bratislava**

**Article 1**

**Introductory provisions**

1. The Slovak Accreditation Agency for Higher Education (SAAVŠ) has published the Standards for Habilitation and Inauguration Proceedings (hereinafter referred to as the "Standards"), which define a set of requirements, the fulfillment of which is conditional on the granting of accreditation of habilitation and inauguration proceedings (hereinafter referred to as the "Hal proceedings") at higher education institutions in the Slovak Republic.
2. The standards are based on generally binding regulations, which are Law No 269/2018 Act No. 343/2015 C o l l . on Public Procurement and on Amendments and Additions to Certain Acts, as amended (hereinafter referred to as the "Quality Assurance Act"), Act

No. 131/2002 Coll. on Higher Education Institutions and on Amendments and Additions to Certain Acts, as amended (hereinafter referred to as the "Act on Higher Education Institutions"), Decree of the Ministry of Higher Education of the Slovak Republic No. 246/2019 Coll. on the procedure for obtaining scientific-pedagogical titles and artistic-pedagogical titles of associate professor and professor (hereinafter referred to as the "Decree on Habilitations and Inaugurations"), Decree of the Ministry of Education and Science of the Slovak Republic No. 244/2019 Coll. on the System of Study Fields in the Slovak Republic, Decree of the Ministry of Education and Science of the Slovak Republic No. 16/2016 Coll. on the system of study fields, laying down professional organisations whose members exercise a regulated profession with the right to use professional titles and regulated professions with coordination of education, and Slovak Government Regulation No. 296/2010 Coll. on the professional competence to exercise the health profession, the method of further education of health professionals, the system of specialisation fields and the system of certified work activities, as amended.

3. SAAVS has published the Methodology for the Evaluation of Standards, which contains a set of procedures, criteria and indicators through which SAAVS evaluates the fulfilment of standards for habilitation and inauguration proceedings.
4. SAAVS has published the Methodology of Evaluation of Creative Activities, which contains a set of procedures, criteria and indicators through which SAAVS evaluates the level of creative activities of the university.
5. The Directive determines the minimum criteria of the STU for the evaluation of the fulfilment of the conditions for obtaining the scientific-pedagogical title "Associate Professor" (hereinafter abbreviated as "criteria for obtaining the title Associate Professor") and the criteria for the evaluation of the fulfilment of the conditions for obtaining the scientific-pedagogical title "Professor" (hereinafter abbreviated as "criteria for obtaining the title of Professor"). The fulfilment of the minimum criteria approved by the STU Scientific Council is a necessary, but not sufficient condition for obtaining the title. The candidate is also required to fulfil other additional criteria to an appropriate extent and quality. The additional criteria shall be approved by the Scientific Councils of the Faculties in order to take into account the specificities of the respective fields of the Hal procedures.
6. The minimum criteria specified in this Directive require from candidates for the title of Associate Professor or Professor the same or higher level of scope, intensity, quality and recognition of their scientific, artistic and other creative activities as the level of scope, intensity, quality and recognition of their scientific, artistic and other creative activities required by the Rector's Directive No.3/2014-SR "Framework for the establishment of criteria for the habilitation of Associate Professors and the appointment of Professors at the Slovak University of Technology in Bratislava".
7. In cases where habilitation and appointment procedures in a given Hal field are carried out at STU at two or more STU units, the minimum criteria applicable to that Hal field at all STU units shall be applied.

8. Proven academic fraud (Article 27 of the SAAVŠ Methodology<sup>1</sup> ) of the candidate is a reason for not awarding the title of associate professor or not awarding the title of professor.

## **Article 2** **Criteria for eligibility for the title of** **Associate Professor**

1. The minimum requirement for obtaining the title "Associate Professor" is the acquisition of a third-level university degree.
2. The minimum requirement in the field of education is the applicant's current teaching experience at the university in the study programmes carried out in the field of study<sup>2</sup> , to which the Hal procedure field is assigned (conducting lectures in selected chapters, seminars and tutorials, assessing students, conducting and opposing theses, developing study materials, consulting students, arranging field trips and students' professional practice, etc.) to the extent listed in the Annex to this Directive for the relevant Hal procedure field.
3. The minimum requirement in the field of creative activities is scientific or artistic activity in the relevant field of the Hal procedure, in particular active participation of the applicant in the research, development, artistic or other creative activity of the institute and the publication of its results in the form of scientific papers or artistic outputs or artistic performances or other outputs of creative activity in the scope, structure, intensity and level of authorial contribution specified in the Annex to this Directive for the relevant field of the Hal procedure.
4. The applicant shall demonstrate that he/she is a recognised scientific figure in professional circles or an artistic figure in artistic circles in the relevant Hal field, in particular by references to published scientific works or artistic outputs or performances or other outputs of creative activity in the number and structure specified in the Annex to this Directive for the relevant Hal field of the procedure. Self-citations (Art. 27 of the SAAVŠ Methodology<sup>1</sup> ) are excluded.

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<sup>1</sup> Methodology for Evaluating Standards, SAAVŠ, <https://saavs.sk/wp-content/uploads/2020/09/Methodika-on-evaluating-standards.pdf?x74963>, 10/2020.

<sup>2</sup> Decree of the Ministry of Education, Science, Research and Sport of the Slovak Republic No. 244/2019 Coll. on the system of study disciplines of the Slovak Republic.

**Article 3**  
**Criteria for eligibility for the title of**  
**professor**

1. The minimum requirement for obtaining the title of "professor" is the acquisition of the title of associate professor and, at the same time, current teaching activity at the university in study programmes carried out in the field of study to which the field of the Hal procedure is assigned and scientific or artistic activity in the relevant field of the Hal procedure, within a range of at least three years since the acquisition of the title of associate professor.
2. The minimum requirement in the field of education is the conduct of lectures, seminars and tutorials, assessment of students including examination at state examinations, conducting and marking of theses, preparation of study materials, etc. within the scope specified in the Annexure to this Directive for the respective branch of the Hal proceedings.
3. The minimum requirement in the field of creative activities is the leading of research or artistic teams, the organisation of scientific or artistic events, the carrying out of research, development, artistic or other creative activities of the department and the publication of the results thereof in the form of scientific papers or artistic outputs or artistic performances or other outputs of creative activities in the scope, structure, intensity and level of authorial input specified in the Annex to this Directive for the relevant Hal department of the proceedings.
4. The applicant shall demonstrate that he or she has influenced the development of the relevant Hal field by establishing a scientific school or an art school or an original, generally recognised group that builds on the outputs of his or her creative activity, in particular by training at least one successfully completed doctoral student and by supervising at least one other doctoral student after the doctoral examination in the field of study to which the relevant Hal field of study is assigned.
5. The applicant shall demonstrate that he/she is a recognised scientific or artistic personality in the relevant Hal field of the procedure, and that his/her scientific work or artistic works or artistic performances have achieved international recognition, in particular by means of responses to published scientific work or artistic outputs or performances or other outputs of creative activity in the number and structure indicated in the Annex to this Directive for the relevant Hal field of the procedure. Self-citations are excluded (Art. 27 of the SAAVS Methodology<sup>1</sup>).
6. The applicant shall submit written references from leading international experts from at least three different countries outside the Slovak Republic demonstrating that the

applicant meets the requirements for the position of professor in an international context.

#### **Article 4**

#### **Content and structure of the documents submitted by the applicant**

- 1) The candidate's results in the relevant field or in a related field of Hal proceedings are considered as decisive. The current status at the time of application by the applicant is decisive. Only outputs that have already been published or, according to the publisher's statement, are ready for print after a successful review process will be accepted.
  
- 2) The candidate for the habilitation or appointment procedure shall document:
  - a) list of publications and other outputs in accordance with the bibliographic categorization according to the Rector's Directive No. 8/2013-SR "Central Register of Publication Activity and Central Register of Artistic Activity in the Conditions of the Slovak University of Technology in Bratislava" as amended (hereinafter referred to as "Rector's Directive No. 8/2013-SR") and the Decree of the Ministry of Education, Science, Research and Sport of the Slovak Republic No. 456/2012 Coll. on the Central Register of Publications (CREPČ) and the Central Register of Artistic Activities (CREUČ); an applicant who does not have publications and other outputs registered in CREPČ or CREUČ shall submit a complete list of them in the structure according to paragraphs 3 and 4 of this Article,
  - b) a list of references to the applicant's published works in accordance with Rector's Directive No. 8/2013-SR.
  - c) an overview of research projects related to the content and themes of the Hal proceedings, where the applicant has been the principal investigator and co-investigator,
  - d) a list of graduates with successfully defended final theses in study programmes carried out in the field of study to which the relevant field of the Hal procedure is assigned,
  - e) a list of PhD students indicating those who have successfully completed their studies (only in the case of an application to initiate the inauguration procedure),
  - f) References from foreign experts (only in the case of an application for inauguration).
  
- 3) The information referred to in point 2(a) to (c) of this Article shall be provided by the applicant in the Annex to the application for the procedure (List of outputs of creative activity and their responses) in the following order:
  - a) university textbooks, scripts and teaching texts (Annex Part I),
  - b) Category A+, A, A- and B outputs (Annex Part II),
  - c) Responses and citations (Annex Part III),
  - d) a list of research or artistic projects in progress, indicating the position of the principal investigator (Annex, Part IV),
  - e) other outputs, feedback, activities and awards (Annex Part V).

The applicant shall indicate in the list the classification of the individual outputs in the

relevant category. The faculty shall verify the eligibility of the classification of the outputs listed by the applicant in points a) to c) by comparing them with the records kept in the CREPČ and CREUČ. The inclusion of records in the categories by an applicant who does not have records in the CREPČ and CREUČ will be assessed by the Faculty's Scientific Board.

- 4) When assessing the candidate's outputs according to Article 3, the Faculty's Scientific Board shall take due account of the specific features of the assessment of the level of outputs of creative activity according to the groups of disciplines listed in Articles 23 and 24 of the SAAVŠ Methodology<sup>1</sup>.

### **Article 5**

#### **Common and final provisions**

- 1) The faculties determine the specific requirements for Hab applicants in their respective fields of study in the form of "criteria for the title of associate professor and criteria for the title of professor" in the following structure 'minimum criteria (Annex Parts I, II, III, IV)' and additional criteria (Part V).
- 2) Additional criteria determined by the Faculty's Scientific Council allow for a comprehensive assessment of the candidate's scientific and pedagogical profile in activities that are not included in the minimum criteria (e.g. participation in scientific conferences, membership of editorial boards, membership of professional organisations, membership of defence committees, or other indicators).
- 3) The criteria for obtaining the title of associate professor and the criteria for obtaining the title of professor, submitted by STU faculties, become valid only after they have been discussed in the Council for the Internal Quality Assurance System at STU and approved by the STU Scientific Council and become effective on a date to be determined by a decision of the STU Scientific Council.
- 4) Rector's Directive No. 3/2014-SR "Framework for the establishment of criteria for the habilitation of associate professors and appointment of professors at the Slovak University of Technology in Bratislava" is repealed.
- 5) Any amendments to this Directive may be made only by numbered addenda to it, signed by the Rector, issued after their approval by the STU Scientific Council.
- 6) This Directive was approved by the Scientific Council of STU on 22.02.2021, on which date it entered into force.

7) This Directive shall enter into force on 25.02.2021.

prof. Ing. Miroslav Fikar, DrSc.<sup>2</sup>  
Rector

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<sup>2</sup> This document is signed electronically.



**Minimum Criteria for the Degree of Associate Professor and  
the Degree of Professor at the Slovak University of  
Technology in Bratislava**

Department of habilitation and inauguration: **architecture and urban planning**  
assigned to SIC **Architecture and Urbanism**

Approved by the STU Council of Ministers 22. 02. 2021

Minimum mandatory requirements	Required minimum values		Real
	Prof.	Doc.	
<b>I. Educational activities and development of study materials</b> Educational activities in the range of: College textbook or teaching text, scripts (the author's share of the applicant's work is indicated): thesis defended under the supervision of the applicant:	3 years after doc. 1 (3 AH) 2x (3 AH) 4	3 years after PhD. - 1 (3 AH) 2	
<b>II. Scientific research or creative artistic activity<sup>*)</sup></b> Outputs in categories A+, A, A- and B of which outputs in the A+ and A categories:	21 (4) 5 (1)	11 (2) 3 (1)	
<b>III: Publication or artistic activity<sup>*)</sup></b> Total responses of which: Responses registered in WoS or SCOPUS:	25 (4) 5 (2)	10 (2) 3 (1)	
<b>IV. Scientific School</b> Education of PhD students: (completed/post-dissertation): Participant/leader of a research or artistic project:	2 1/1 5/3	- - 2/0	
<b>V. Additional criteria<sup>**)</sup></b>			

<sup>\*)</sup> Indicate in brackets the figures for the last 5 years.

<sup>\*\*)</sup> Additional criteria will be determined by the faculties' Scientific Councils, taking into account the specificities of the Hal proceedings.

**Categorization of outputs:**

A+	Publication in a Q1, Q2 or Q3 journal, monograph or chapters in a monograph in MRV, international patent, ZUD listed in renowned institutions and at renowned events abroad <sup>1)</sup>
A	Publication in Q4 journal, other publications in WoS or SCOPUS <sup>2)</sup> , FFPs listed in reputable institutions and events in the home environment, FFPs listed in other institutions and events in Abroad
A-	Other publications in WoS or SCOPUS, publications in proceedings <sup>2)</sup> , less ZUD listed in reputable institutions abroad, ZUD listed in other institutions and events with at least 2 accolades/awards, national patent, design
B	other peer-reviewed publications in journals or international conference proceedings, other monographs FFWP listed in other domestic institutions and events, fewer FFWP listed in reputable institutions and events domestically, fewer FFWP listed in other institutions and events with at least 2 testimonials/appraisals, utility model

<sup>1)</sup> list of renowned events and institutions according to CREUČ

<sup>2)</sup> at least 3 citations (without self-citations) in WoS or SCOPUS  
 MRV - international renowned publishing house (STU list) ZUD - major work of art presented for the first time

**Minimum criteria for the title of Associate Professor and the title of Professor  
at the Slovak University of Technology in Bratislava**

Department of habilitation and inauguration: **biotechnology**  
assigned to SIC **Biotechnology**

Approved by the STU Council of Ministers 22. 02. 2021

Minimum mandatory requirements	Required minimum values		Real
	Prof.	Doc.	
<b>I. Educational activities and development of study materials</b> Educational activities in the range of: College textbook or teaching text, scripts (the author's share of the applicant's work is indicated): thesis defended under the supervision of the applicant:	3 years after doc. 1 (3 AH) 2x (3 AH) 10	3 years after PhD. - 1 (3 AH) 5	
<b>II. Scientific research or creative artistic activity<sup>*)</sup></b> Outputs in categories A+, A, A- and B of which outputs in the A+ and A categories:	60 (10)  20 (5)	20 (7)  8 (3)	
<b>III: Publication or artistic activity<sup>*)</sup></b> Total responses of which: Responses registered in WoS or SCOPUS:	120 (60)  90 (45)	40 (20)  30 (15)	
<b>IV. Scientific School</b> Education of PhD students: (completed/post-dissertation): Participant/leader of a research or artistic project:	2 2/0 6/1	- - 3/0	
<b>V. Additional criteria<sup>**)</sup></b>			

<sup>\*)</sup> Indicate in brackets the figures for the last 5 years.

<sup>\*\*)</sup> Additional criteria will be determined by the faculties' Scientific Councils, taking into account the specificities of the Hab proceedings.

Categorization of outputs:

A+	publication in Q1 magazine, international patent
A	publication in the journal Q2, monograph in MRV
A-	publication in WoS or SCOPUS, national patent
B	other publications in WoS or SCOPUS, other peer-reviewed journal publications

The journal's inclusion in WoS or SCOPUS quartiles is accepted.

**Minimum criteria for the title of Associate Professor and the title of Professor at the Slovak University of Technology in Bratislava**

Department of habilitation and inauguration: **electrical power engineering**  
assigned to **Electrical Engineering**

Approved by the STU Council of Ministers 22. 02. 2021

Minimum mandatory requirements	Required minimum values		Real
	Prof.	Doc.	
<b>I. Educational activities and development of study materials</b> Educational activities in the range of:  College textbook or teaching text, scripts (the applicant's share of authorship is indicated): Final theses defended under the supervision of the candidate of which in the 2nd stage:	5 years after doc.  1 (3 AH)  2x (3 AH)  17 6	3 years after PhD. - 1 (3 AH)  8 3	
<b>II. Scientific research or creative artistic activity<sup>*)</sup></b> Outputs in categories A+, A, A- and B of which outputs in the A+ and A categories:	33 (10)  6 (5)	16 (5)  3 (3)	
<b>III: Publication or artistic activity<sup>*)</sup></b> Total responses of which: Responses registered in WoS or SCOPUS:	35 (10)  14 (4)	17 (5)  7 (2)	
<b>IV. Scientific School</b> Education of PhD students: (completed/post-dissertation): Participant/leader of a research or artistic project:	2 1/1 2/1	- - 1/0	
<b>V. Additional criteria<sup>**)</sup></b>			

<sup>\*)</sup> Indicate in brackets the figures for the last 5 years.

<sup>\*\*)</sup> Additional criteria will be determined by the faculties' Scientific Councils, taking into account the specifics of the HaI proceedings.

**Categorization of outputs:**

A+	publications in a Q1 or Q2 journal, publications in a Q3 journal with IF > 0.5, monograph in MRV, other publications in WoS or SCOPUS <sup>1)</sup> , international patent
A	publications in journal Q3, publications in journal Q4 with IF > 0.5, chapter in monograph in MRV, other publications in IEEE, CIGRE, CIE, etc.
A-	publications in Q4, other publications in WoS or SCOPUS, national patent
B	other peer-reviewed publications in journals, peer-reviewed publications in international conference proceedings, utility model

Journal classification in quartiles according to WoS or SCOPUS is accepted.

<sup>1)</sup> at least 3 citations (without self-citations) in WoS or SCOPUS

**Minimum criteria for the title of Associate Professor and the title of Professor at the Slovak University of Technology in Bratislava**

Fields of habilitation and inauguration: **electronics, physical engineering, nuclear power engineering, Theoretical electrical engineering**  
assigned to **Electrical Engineering**

Approved by the STU Council of Ministers 22. 02. 2021

Minimum mandatory requirements	Required minimum values		Real
	Prof.	Doc.	
<b>I. Educational activities and development of study materials</b> Educational activities in the range of:  College textbook or teaching text, scripts (the applicant's share of authorship is indicated): Final theses defended under the supervision of the candidate of which in the 2nd stage:	5 years after doc.  1 (3 AH)  2x (3 AH)  17 6	3 years after PhD. - 1 (3 AH)  8 3	
<b>II. Scientific research or creative artistic activity<sup>*)</sup></b> Outputs in categories A+, A, A- and B of which outputs in the A+ and A categories:	33 (10)  6 (5)	16 (5)  3 (3)	
<b>III: Publication or artistic activity<sup>*)</sup></b> Total responses of which: Responses registered in WoS or SCOPUS:	35 (10)  14 (4)	17 (5)  7 (2)	
<b>IV. Scientific School</b> Education of PhD students: (completed/post-dissertation): Participant/leader of a research or artistic project:	2 1/1 2/1	- - 1/0	
<b>V. Additional criteria<sup>**)</sup></b>			

<sup>\*)</sup> Indicate in brackets the figures for the last 5 years.

<sup>\*\*)</sup> Additional criteria will be determined by the faculties' Scientific Councils, taking into account the specifics of the HaI proceedings.

**Categorization of outputs:**

A+	Publications in Q1 or Q2, monograph in MRV, other publications in WoS or SCOPUS <sup>1)</sup> , international patent
A	publications in the journal Q3, chapter in a monograph in MRV, other WoS or SCOPUS publications <sup>2)</sup>
A-	publications in Q4, other publications in WoS or SCOPUS, national patent
B	Other peer-reviewed publications in journals, peer-reviewed publications in international conference proceedings, utility model

Journal classification in quartiles according to WoS or SCOPUS is accepted.

MRV - international renowned publishing house (STU list)

<sup>1)</sup> at least 10 citations (excluding self-citations) in WoS or SCOPUS

<sup>2)</sup> at least 3 citations (without self-citations) in WoS or SCOPUS

**Minimum criteria for the title of Associate Professor and the title of Professor at the Slovak University of Technology in Bratislava**

Department of habilitation and inauguration: **geodesy and cartography**  
assigned to Sho **Geodesy and Cartography**

Approved by the STU Council of Ministers 22.2.2021

Minimum mandatory requirements	Required minimum values		Real
	Prof.	Doc.	
<b>I. Educational activities and development of study materials</b> Educational activities in the range of: College textbook or teaching text, scripts (the author's share of the applicant's work is indicated): thesis defended under the supervision of the applicant:	3 years after doc. 1 (3 AH) 2x (3 AH) 6	3 years after PhD. - 1 (3 AH) 3	
<b>II. Scientific research or creative artistic activity<sup>*)</sup></b> Outputs in categories A+, A, A- and B of which outputs in categories A+, A, A- outputs in categories A+ and A:	30 (10)  10 (5) 4 (2)	15 (5)  6 (3) 2 (1)	
<b>III: Publication or artistic activity<sup>*)</sup></b> Total responses of which: Responses registered in WoS or SCOPUS:	30 (10)  10 (4)	15 (5)  6 (2)	
<b>IV. Scientific School</b> Education of PhD students: (completed/post-dissertation): Participant/leader of a research or artistic project:	2 1/1 4/1	- - 2/0	
<b>V. Additional criteria<sup>**)</sup></b>			

<sup>\*)</sup> Indicate in brackets the figures for the last 5 years.

<sup>\*\*)</sup> Additional criteria will be determined by the faculties' Scientific Councils, taking into account the specifics of the Hab proceedings.

**Categorization of outputs:**

A+	publication in a Q1 or Q2 journal, monograph or chapters in a monograph in MRV, international patent
A	publication in Q3 or Q4 journal, monograph or chapters in a monograph in V-CVTI, completed engineering work Awarded at international level
A-	other publications in WoS or SCOPUS, publication in proceedings <sup>1)</sup> , national patent, scientific monograph or a chapter in a monograph in a foreign publishing house, which is not classified in A+ and A
B	other peer-reviewed publications in journals, publications in international conference proceedings, scientific monograph or chapter in a monograph in a domestic publishing house, utility model

The journal's classification in quartiles according to WoS or SCOPUS is accepted.

<sup>1)</sup> paper in proceedings published by CRC Press, IOP science, IFAC, IFIP, IEEE, ACM, IET, SPIE, ASCE, FIG, IAG, ISPRS, .... at least 5 citations in WoS or SCOPUS

**Minimum criteria for the title of Associate Professor and the  
title of Professor at the Slovak University of Technology in  
Bratislava**

Department of habilitation and inauguration: **Physical Chemistry, Organic Chemistry**  
assigned to **Chemistry**

Approved by the STU Council of Ministers 22. 02. 2021

Minimum mandatory requirements	Required minimum values		Real
	Prof.	Doc.	
<b>I. Educational activities and development of study materials</b> Educational activities in the range of: College textbook or teaching text, scripts (the author's share of the applicant's work is indicated): thesis defended under the supervision of the applicant:	3 years after doc. 1 (3 AH) 2x (3 AH) 10	3 years after PhD. - 1 (3 AH) 5	
<b>II. Scientific research or creative artistic activity<sup>*)</sup></b> Outputs in categories A+, A, A- and B of which outputs in the A+ and A categories:	60 (10) 20 (5)	20 (7) 8 (3)	
<b>III: Publication or artistic activity<sup>*)</sup></b> Total responses of which: Responses registered in WoS or SCOPUS:	120 (60) 90 (45)	40 (20) 30 (15)	
<b>IV. Scientific School</b> Education of PhD students: (completed/post-dissertation): Participant/leader of a research or artistic project:	2 2/0 6/1	- - 3/0	
<b>V. Additional criteria<sup>**)</sup></b>			

<sup>\*)</sup> Indicate in brackets the figures for the last 5 years.

<sup>\*\*)</sup> Additional criteria will be determined by the faculties' Scientific Councils, taking into account the specificities of the Hab proceedings.

Categorization of outputs:

A+	publication in Q1 magazine, international patent
A	publication in the journal Q2, monograph in MRV
A-	publication in WoS or SCOPUS, national patent
B	other publications in WoS or SCOPUS, other peer-reviewed journal publications

Journal classification in quartiles according to WoS or SCOPUS is accepted.

**Minimum criteria for the title of Associate Professor and the title of Professor at the Slovak University of Technology in Bratislava**

Field of habilitation and inauguration: **chemical technologies, chemical engineering, Technology of macromolecular substances**  
assigned to SIC **Chemical engineering and technology**

Approved by the STU Council of Ministers 22. 02. 2021

Minimum mandatory requirements	Required minimum values		Real
	Prof.	Doc.	
<b>I. Educational activities and development of study materials</b> Educational activities in the range of: College textbook or teaching text, scripts (the author's share of the applicant's work is indicated): thesis defended under the supervision of the applicant:	3 years after doc. 1 (3AH) 2x (3AH) 10	3 years after PhD. - 1 (3AH) 5	
<b>II. Scientific research or creative artistic activity<sup>*)</sup></b> Outputs in categories A+, A, A- and B of which outputs in the A+ and A categories:	50 (8) 15 (4)	15 (5) 6 (2)	
<b>III: Publication or artistic activity<sup>*)</sup></b> Total responses of which: Responses registered in WoS or SCOPUS:	90 (45) 70 (35)	30 (15) 25 (12)	
<b>IV. Scientific School</b> Education of PhD students: (completed/post-dissertation): Participant/leader of a research or artistic project:	2 2/0 6/1	- - 3/0	
<b>V. Additional criteria<sup>**)</sup></b>			

<sup>\*)</sup> Indicate in brackets the figures for the last 5 years.

<sup>\*\*)</sup> Additional criteria will be determined by the faculties' Scientific Councils, taking into account the specificities of the Habilitation proceedings.

**Categorization of outputs:**

A+	publication in Q1 magazine, international patent
A	publication in the journal Q2, monograph in MRV
A-	publication in WoS or SCOPUS, national patent
B	other publications in WoS or SCOPUS, other peer-reviewed journal publications

The journal's classification in quartiles according to WoS or SCOPUS is accepted.

**Minimum Criteria for the Degree of Associate Professor and  
the Degree of Professor at the Slovak University of  
Technology in Bratislava**

Fields of habilitation and inauguration: **applied informatics, telecommunications**

assigned to **Computer Science**

Approved by the STU Council of Ministers 22. 02. 2021

Minimum mandatory requirements	Required minimum values		Real
	Prof.	Doc.	
<b>I. Educational activities and development of study materials</b> Educational activity in the range: university textbook or teaching text, scripts (the author's share of the applicant's work is indicated): thesis defended under the supervision of the applicant:	3 years after doc. 1 (3 AH)  2x (3 AH) 16	3 years after PhD.  1 (3 AH) 8	
<b>II. Scientific research or creative artistic activity<sup>*)</sup></b> Outputs in categories A+, A, A- and B of which outputs in the A+ and A categories:	30 (10)  4 (2)	15 (5)  2 (1)	
<b>III: Publication or artistic activity<sup>*)</sup></b> Total responses of which: Responses registered in WoS or SCOPUS:	48 (4)  24 (2)	24 (2)  12 (1)	
<b>IV. Scientific School</b> Education of PhD students: (completed/post-dissertation): Participant/leader of a research or artistic project:	2 1/1 2/1	2/0	
<b>V. Additional criteria<sup>**)</sup></b>			

<sup>1)</sup> Indicate in brackets the figures for the last 5 years.

<sup>\*)</sup> Additional criteria will be determined by the faculties' Scientific Councils, taking into account the specifics of the Hab proceedings.

**Categorization of outputs:**

A+	publication in journal Q1 or Q2, monograph in MRV, other publications in WoS or SCOPUS <sup>1)</sup> , publications in conference proceedings registered in CORE database in category A* or A, international patent
A	Publication in Q3 journal, chapter in monograph in MRV, other publications in WoS or SCOPUS <sup>2)</sup> , publications in conference proceedings registered in the CORE database in category B, other monographs in foreign publishing house
A-	publications registered in a reputable publication database (WoS, SCOPUS, Inspec, ACM DL, IEEE Xplore), unless classified in one of the above levels, the national patent
B	other peer-reviewed publications, utility model

The journal's inclusion in WoS or SCOPUS quartiles is accepted. MRV - international renowned publishing house (STU list)

<sup>1)</sup> at least 10 citations (excluding self-citations) in WoS or SCOPUS

<sup>2)</sup> at least 5 citations (without self-citations) in WoS or SCOPUS



**Minimum Criteria for the Degree of Associate Professor and  
the Degree of Professor at the Slovak University of  
Technology in Bratislava**

Department of habilitation and inauguration: **automation**

assigned to **Cybernetics**

Approved by the STU Council of Ministers 22. 02. 2021

Minimum mandatory requirements	Required minimum values		Real
	Prof.	Doc.	
<b>I. Educational activities and development of study materials</b> Educational activities in the range of: College textbook or teaching text, scripts (the author's share of thesis defended under the supervision of the candidate:	3 years after doc. 1 ( 3 AH)  2x (3 AH) 15	3 years after PhD.  1 (3 AH) 8	
<b>II. Scientific research or creative artistic activity<sup>*)</sup></b> Outputs in categories A+, A, A- and B of which outputs in the A+ and A categories:	40 (10)  6 (3)	20 (5)  3 (2)	
<b>III: Publication or artistic activity<sup>*)</sup></b> Echoes along from this: Responses registered in WoS or SCOPUS:	40 (12)  20 (10)	20 (8)  10 (3)	
<b>IV. Scientific School</b> Education of PhD students: (completed/post-dissertation): Participant/leader of a research or artistic project:	2 1/1 3/1	2/0	
<b>V. Additional criteria<sup>**)</sup></b>			

<sup>1)</sup> Indicate in brackets the figures for the last 5 years.

<sup>\*)</sup> Additional criteria will be determined by the faculties' Scientific Councils, taking into account the specifics of the Hab proceedings.

**Categorization of outputs:**

A+	Publication in a Q1 or Q2 journal (WoS or SCOPUS), monograph or chapter in MRV, publications in WoS or SCOPUS <sup>1)</sup> , international patent
A	Publication in a Q3 or Q4 journal <sup>3)</sup> , other publications in WoS or SCOPUS <sup>2)</sup> , publication output from a world congress (scientific paper in a peer-reviewed proceedings of a world congress registered in the WoS or SCOPUS, published by globally recognized institutions IFAC, IFIP, IEEE, ACM, IET, SPIE, IACM, ECCOMAS), scientific monograph or chapter in a monograph in a world language published by a foreign publishing house not classified in A+
A-	other publications in WoS or SCOPUS, scientific monograph or chapter in a monograph in a world language published by a domestic publishing house, national patent
B	other peer-reviewed publications in journals or international conference proceedings, utility model

Journal classification in quartiles according to WoS or SCOPUS is accepted.

MRV - international renowned publishing house (STU list)

<sup>1)</sup> at least 10 citations (excluding self-citations) in WoS or SCOPUS

<sup>2)</sup> at least 5 citations (without self-citations) in WoS or SCOPUS

<sup>3)</sup> Q4 journal (Wos or SCOPUS) with IF > 0.4

**Minimum Criteria for the Degree of Associate Professor and  
the Degree of Professor at the Slovak University of  
Technology in Bratislava**

Fields of habilitation and inauguration: **cybernetics, mechatronics**

assigned to **Cybernetics**

Approved by the STU Council of Ministers 22. 02. 2021

Minimum mandatory requirements	Required minimum values		Real
	Prof.	Doc.	
<b>I. Educational activities and development of study materials</b> Educational activities in the range of: College textbook or teaching text, scripts (the author's share of the candidate's work is indicated): thesis defended under the candidate's supervision of which in 2. degree:	5 years after doc. 1 (3 AH)  2x (3 AH) 17 6	3 years after PhD.  1 (3 AH) 8 3	
<b>II. Scientific research or creative artistic activity<sup>*)</sup></b> Outputs in categories A+, A, A- and B of which outputs in the A+ and A categories:	33 (10)  6 (5)	16 (5)  3 (3)	
<b>III: Publication or artistic activity<sup>*)</sup></b> Total responses of which: Responses registered in WoS or SCOPUS:	35 (10)  14 (4)	17 (5)  7 (2)	
<b>IV. Scientific School</b> Education of PhD students: (completed/post-dissertation): Participant/leader of a research or artistic project:	2 1/1 2/1	1/0	
<b>V. Additional criteria<sup>**)</sup></b>			

<sup>1)</sup> Indicate in brackets the figures for the last 5 years.

<sup>2)</sup> Additional criteria will be determined by the faculties' Scientific Councils, taking into account the specificities of the Habilitation proceedings.

Categorization of outputs:

A+	Publication in a Q1 or Q2 journal (WoS or SCOPUS), monograph or chapter in MRV, publications in WoS or SCOPUS <sup>1)</sup> , international patent
A	Publication in a Q3 or Q4 journal <sup>3)</sup> , other publications in WoS or SCOPUS <sup>2)</sup> , publication output from a world congress (scientific paper in a peer-reviewed proceedings of a world congress registered in the WoS or SCOPUS, published by globally recognized institutions IFAC, IFIP, IEEE, ACM, IET, SPIE, IACM, ECCOMAS), scientific monograph or chapter in a monograph in a world language published by a foreign publishing house not classified in A+
A-	other publications in WoS or SCOPUS, scientific monograph or chapter in a monograph in a world language published by a domestic publishing house, national patent
B	other peer-reviewed publications in journals or international conference proceedings, utility model

Journal classification in quartiles according to WoS or SCOPUS is accepted.

MRV - international renowned publishing house (STU list)

<sup>1)</sup> at least 10 citations (excluding self-citations) in WoS or SCOPUS

<sup>2)</sup> at least 5 citations (without self-citations) in WoS or SCOPUS

<sup>3)</sup> Q4 journal (Wos or SCOPUS) with IF > 0.4

**Minimum criteria for the title of Associate Professor and the title of Professor at the Slovak University of Technology in Bratislava**

Department of habilitation and inauguration: **applied mathematics**  
assigned to **Mathematics**

Approved by the STU Council of Ministers 22.2.2021

Minimum mandatory requirements	Required minimum values		Real
	Prof.	Doc.	
<b>I. Educational activities and development of study materials</b> Educational activities in the range of: College textbook or teaching text, scripts (the author's share of the applicant's work is indicated): thesis defended under the supervision of the applicant:	3 years after doc. 1 (3 AH) 2x (3 AH) 6	3 years after PhD. - 1 (3 AH) 3	
<b>II. Scientific research or creative artistic activity<sup>*)</sup></b> Outputs in categories A+, A, A- and B of which outputs in the A+ and A categories:	30 (8) 10 (4)	10 (4) 5 (2)	
<b>III: Publication or artistic activity<sup>*)</sup></b> Total responses of which: Responses registered in WoS or SCOPUS:	50 (20) 25 (10)	20 (10) 10 (5)	
<b>IV. Scientific School</b> Education of PhD students: (completed/post-dissertation): Participant/leader of a research or artistic project:	2 1/1 6/1	- - 2/0	
<b>V. Additional criteria<sup>**)</sup></b>			

<sup>\*)</sup> Indicate in brackets the figures for the last 5 years.

<sup>\*\*)</sup> Additional criteria will be determined by the faculties' Scientific Councils, taking into account the specifics of the HaI proceedings.

**Categorization of outputs:**

A+	publication in a Q1 or Q2 journal, monograph in MRV
A	publication in Q3 magazine
A-	publication in Q4 magazine
B	other publications in WOS or SCOPUS

The journal's inclusion in WoS or SCOPUS quartiles is accepted.

**Minimum criteria for the title of Associate Professor and the title of Professor  
at the Slovak University of Technology in Bratislava**

Department of habilitation and inauguration procedure: **landscape architecture**  
assigned to **Agriculture and Landscaping**

Approved by the STU Council of Ministers 22.2.2021

Minimum mandatory requirements	Required minimum values		Real
	Prof.	Doc.	
<b>I. Educational activities and development of study materials</b> Educational activities in the range of: College textbook or teaching text, scripts (the author's share of the applicant's work is indicated): thesis defended under the supervision of the applicant:	3 years after doc. 1 (3 AH) 2x (3 AH) 6	3 years after PhD. - 1 (3 AH) 3	
<b>II. Scientific research or creative artistic activity<sup>*)</sup></b> Outputs in categories A+, A, A- and B of which outputs in categories A+, A, A- outputs in categories A+ and A:	30 (10)  10 (5) 4 (2)	15 (5)  6 (3) 2 (1)	
<b>III: Publication or artistic activity<sup>*)</sup></b> Total responses of which: Responses registered in WoS or SCOPUS:	30 (10)  10 (4)	15 (5)  6 (2)	
<b>IV. Scientific School</b> Education of PhD students: (completed/post-dissertation): Participant/leader of a research or artistic project:	2 1/1 4/1	- - 2/0	
<b>V. Additional criteria<sup>**)</sup></b>			

<sup>\*)</sup> Indicate in brackets the figures for the last 5 years.

<sup>\*\*)</sup> Additional criteria will be determined by the faculties' Scientific Councils, taking into account the specifics of the Hab proceedings.

**Categorization of outputs:**

A+	publication in a Q1 or Q2 journal, monograph or chapters in a monograph in MRV, international patent
A	publication in Q3 or Q4 journal, monograph or chapters in a monograph in V-CVTI, completed engineering work Awarded at international level
A-	other publications in WoS or SCOPUS, publication in proceedings <sup>1)</sup> , national patent, scientific monograph or a chapter in a monograph in a foreign publishing house, which is not classified in A+ and A
B	other peer-reviewed publications in journals, publications in international conference proceedings, scientific monograph or chapter in a monograph in a domestic publishing house, utility model

Journal classification in quartiles according to WoS or SCOPUS is accepted.

<sup>1)</sup> paper in proceedings published by CRC Press, IOP science, IFAC, IFIP, IEEE, ACM, IET, SPIE, ASCE, FIG, IAG, ISPRS, .... at least 5 citations in WoS or SCOPUS

**Minimum criteria for the title of Associate Professor and the title of Professor  
at the Slovak University of Technology in Bratislava**

Department of Habilitation and Induction: **chemistry and technology of foodstuffs**  
assigned to the School of **Food Science**

Approved by the STU Council of Ministers 22. 02. 2021

Minimum mandatory requirements	Required minimum values		Real
	Prof.	Doc.	
<b>I. Educational activities and development of study materials</b> Educational activities in the range of: College textbook or teaching text, scripts (the author's share of the applicant's work is indicated): thesis defended under the supervision of the applicant:	3 years after doc. 1 (3AH) 2x (3AH) 10	3 years after PhD. - 1 (3AH) 5	
<b>II. Scientific research or creative artistic activity<sup>*)</sup></b> Outputs in categories A+, A, A- and B of which outputs in the A+ and A categories:	50 (8) 15 (4)	15 (5) 6 (2)	
<b>III: Publication or artistic activity<sup>*)</sup></b> Total responses of which: Responses registered in WoS or SCOPUS:	90 (45) 70 (35)	30 (15) 25 (12)	
<b>IV. Scientific School</b> Education of PhD students: (completed/post-dissertation): Participant/leader of a research or artistic project:	2 2/0 6/1	- - 3/0	
<b>V. Additional criteria<sup>**)</sup></b>			

<sup>\*)</sup> Indicate in brackets the figures for the last 5 years.

<sup>\*\*)</sup> Additional criteria will be determined by the faculties' Scientific Councils, taking into account the specificities of the Hab proceedings.

**Categorization of outputs:**

A+	publication in Q1 magazine, international patent
A	publication in the journal Q2, monograph in MRV
A-	publication in WoS or SCOPUS, national patent
B	other publications in WoS or SCOPUS, other peer-reviewed journal publications

The journal's classification in quartiles according to WoS or SCOPUS is accepted.

**Minimum criteria for the title of Associate Professor and the title of Professor  
at the Slovak University of Technology in Bratislava**

Department of habilitation and inauguration: **Civil Engineering, Civil Engineering,  
Engineering structures and transport constructions, Water constructions**  
Assigned to **Construction**

Approved by the STU SC 22.2.2021

Minimum mandatory requirements	Required minimum values		Real
	Prof.	Doc.	
<b>I. Educational activities and development of study materials</b> Educational activities in the range of: College textbook or teaching text, scripts (the author's share of the applicant's work is indicated): thesis defended under the supervision of the applicant:	3 years after doc. 1 (3 AH) 2x (3 AH) 6	3 years after PhD. - 1 (3 AH) 3	
<b>II. Scientific research or creative artistic activity<sup>*)</sup></b> Outputs in categories A+, A, A- and B of which outputs in categories A+, A, A- outputs in categories A+ and A:	30 (10)  10 (5) 4 (2)	15 (5)  6 (3) 2 (1)	
<b>III: Publication or artistic activity<sup>*)</sup></b> Total responses of which: Responses registered in WoS or SCOPUS:	30 (10)  10 (4)	15 (5)  6 (2)	
<b>IV. Scientific School</b> Education of PhD students: (completed/post-dissertation): Participant/leader of a research or artistic project:	2 1/1 4/1	- - 2/0	
<b>V. Additional criteria<sup>**)</sup></b>			

<sup>\*)</sup> Indicate in brackets the figures for the last 5 years.

<sup>\*\*)</sup> Additional criteria will be determined by the faculties' Scientific Councils, taking into account the specifics of the Hab proceedings.

**Categorization of outputs:**

A+	publication in a Q1 or Q2 journal, monograph or chapters in a monograph in MRV, international patent
A	publication in Q3 or Q4 journal, monograph or chapters in a monograph in V-CVTI, completed engineering work Awarded at international level
A-	other publications in WoS or SCOPUS, publication in proceedings <sup>1)</sup> , national patent, scientific monograph or a chapter in a monograph in a foreign publishing house, which is not classified in A+ and A
B	other peer-reviewed publications in journals, publications in international conference proceedings, scientific monograph or chapter in a monograph in a domestic publishing house, utility model

Journal classification in quartiles according to WoS or SCOPUS is accepted.

<sup>1)</sup> paper in proceedings published by CRC Press, IOP science, IFAC, IFIP, IEEE, ACM, IET, SPIE, ASCE, FIG, IAG, ISPRS, .... at least 5 citations in WoS or SCOPUS

**Minimum criteria for the title of Associate Professor and the title of Professor  
at the Slovak University of Technology in Bratislava**

Field of habilitation and inauguration: **Applied Mechanics, Mechanical Engineering Technology and Materials, Process Engineering, Manufacturing Engineering, Metrology, Materials, Industrial Engineering, Mechanical engineering technology and materials**  
assigned to Sho **Mechanical Engineering**

Approved by the STU Council of Ministers 22. 02. 2021

Minimum mandatory requirements	Required minimum values		Real
	Prof.	Doc.	
<b>I. Educational activities and development of study materials</b> Educational activities in the range of: College textbook or teaching text, scripts (the author's share of the applicant's work is indicated): thesis defended under the supervision of the applicant:	3 years after doc. 1 (3 AH) 2x (3 AH) 15	3 years after PhD. - 1 (3 AH) 5	
<b>II. Scientific research or creative artistic activity<sup>*)</sup></b> Outputs in categories A+, A, A- and B of which outputs in the A+ and A categories:	35 (10) 6 (3)	18 (6) 3 (2)	
<b>III: Publication or artistic activity<sup>*)</sup></b> Total responses of which: Responses registered in WoS or SCOPUS:	35 (12) 16 (10)	18 (8) 8 (4)	
<b>IV. Scientific School</b> Education of PhD students: (completed/post-dissertation): Participant/leader of a research or artistic project:	2 1/1 3/1	- - 2/0	
<b>V. Additional criteria<sup>**)</sup></b>			

<sup>\*)</sup> Indicate in brackets the figures for the last 5 years.

<sup>\*\*)</sup> Additional criteria will be determined by the faculties' Scientific Councils, taking into account the specificities of the Habilitation proceedings.

**Categorization of outputs:**

A+	Publication in a Q1 or Q2 journal in WoS or Scopus, other publications in WoS or Scopus <sup>1)</sup> , monograph or a chapter in a monograph in MRV, an international patent
A	Publication in a Q3 or Q4 journal in WoS or Scopus, other publications in WoS or Scopus <sup>2)</sup> , a scientific monograph or a chapter in a monograph in a world language published by a foreign publishing house not classified in A+, national patent, international utility model
A-	other publications in WoS or SCOPUS, a scientific monograph or a chapter in a monograph published domestically publishing house, utility model
B	other peer-reviewed publications in journals, publications in international conference proceedings

The journal's classification in quartiles according to WoS or SCOPUS is accepted. MRV - international renowned publishing house (STU list)

<sup>1)</sup> at least 10 citations (excluding self-citations) in WoS or SCOPUS

<sup>2)</sup> at least 5 citations (without self-citations) in WoS or SCOPUS

**Minimum criteria for the title of Associate Professor and the title of Professor**  
**at the Slovak University of Technology in Bratislava**  
 Department of habilitation and inauguration: **design**  
 assigned to **Art**

Approved by the STU Council of Ministers 22. 02. 2021

Minimum mandatory requirements	Required minimum values		Real
	Prof.	Doc.	
<b>I. Educational activities and development of study materials</b> Educational activities in the range of: College textbook or teaching text, scripts (the author's share of the applicant's work is indicated): thesis defended under the supervision of the applicant:	3 years after doc. 1 (3 AH) 2x (3 AH) 4	3 years after PhD. - 1 (3 AH) 2	
<b>II. Scientific research or creative artistic activity<sup>*)</sup></b> Outputs in categories A+, A, A- and B of which outputs in the A+ and A categories:	41 (4) 6 (1)	21 (2) 3 (1)	
<b>III: Publication or artistic activity<sup>*)</sup></b> Total responses of which: Responses registered in WoS or SCOPUS:	31 (4) 2 (2)	15 (2) 1 (1)	
<b>IV. Scientific School</b> Education of PhD students: (completed/post-dissertation): Participant/leader of a research or artistic project:	2 1/1 5/3	- - 2/0	
<b>V. Additional criteria<sup>**)</sup></b>			

<sup>\*)</sup> Indicate in brackets the figures for the last 5 years.

<sup>\*\*)</sup> Additional criteria will be determined by the faculties' Scientific Councils, taking into account the specificities of the Hab proceedings.

**Categorization of outputs:**

A+	Publication in a Q1, Q2 or Q3 journal, monograph or chapters in a monograph in MRV, international patent, ZUD listed in renowned institutions and at renowned events abroad <sup>1)</sup>
A	Publication in Q4 journal, other publications in WoS or SCOPUS <sup>2)</sup> , FFPs listed in reputable institutions and events in the home environment, FFPs listed in other institutions and events in Abroad
A-	other publications in WoS or SCOPUS, publications in CRCP Press proceedings, ..... <sup>3)</sup> , less ZUD listed in renowned institutions abroad, ZUD listed in other institutions and events with at least 2 accolades/awards, national patent, design
B	other peer-reviewed publications in journals or international conference proceedings, other monographs, FFPs listed in other domestic institutions and events, fewer FFPs listed in reputable institutions and events domestically, fewer FFPs listed in other institutions and events with at least 2 testimonials/appraisals, utility model

<sup>1)</sup> list of renowned events and institutions according to CREUČ

<sup>2)</sup> at least 3 citations (without self-citations) in WoS or SCOPUS

MRV - international renowned publishing house (STU list) ZUD

- major work of art presented for the first time

Journal classification in quartiles according to WoS or SCOPUS is accepted.