

Bylaws of the Doctoral School of Physical Sciences Annex 2

Publication and language requirements for the PhD degree Physical Sciences Habilitation Committee and Doctoral Council (HBDT)

I. Minimum publication requirements

Formal compliance with the requirements does not guarantee in itself either the initiation of the procedure or its successful completion. Upon making their decision, both the Physical Sciences HBDT and the official opponents substantially examine the publication level of the new scientific results, and also the candidate's contribution to the published results.

Translated excerpt from the BME Doctoral and Habilitation Regulations (version July 25, 2023)

BME DHR Section 17 (5) For scientific and technical works, the minimum requirement is at least 3 peer-reviewed publications published (or accepted for publication). Of these, at least 2 must be in foreign languages, at least 2 must be journal publications, at least 2 must be high-quality publications of the candidate's work related to the thesis points, with decisive contribution by the candidate, and at least 2 must be publications registered in the Web of Science or Scopus database.

For a doctorate in art, the minimum requirement is at least one realised, qualified work of art.

The exact definition of the decisive contribution and quality requirements and of the qualified artistic work, taking into account the specificities of the field and any additional minimum requirements, will be determined by the relevant HBDT and laid down in its rules with the approval of the EHBDT¹. Compliance with the publication requirements is a necessary condition for initiating the graduation procedure.

Detailed rules of the Physical Sciences Habilitation Committee and Doctoral Council, based on the requirements of the BME DHR Section 17 (5) above

High-quality publication: a publication published or accepted for publication in a journal that has been rated Q1 or Q2 according to the JCR impact factor or Scopus citesscore in any of the five years preceding the acceptance for publication, or in one of the journals listed below:

Annals of Nuclear Energy	Modern Physics Letters B
APS Physical Review folyóiratok	Nuclear Instruments and Methods
Applied Radiation & Isotopes	Nuclear Engineering and Design
Europhysics Letters	Nuclear Science & Engineering
Fractals	Nuclear Technology
Granular Matter	Optical Engineering
Fusion Engineering and Design	Physica Medica: European Journal of Medical Physics
Int. J. Bifurcation & Chaos	Progress in Nuclear Energy
Int. J. Refractory Metals & Hard Materials	Radiology and Oncology
Journal of Applied Physics	Radiation Protection Dosimetry
J. Radioanalytical and Nuclear Chemistry	Reports of Practical Oncology and Radiotherapy
J. Computational and Theoretical Transport	Quantitative Finance
Kerntechnik	Strahlentherapie und Onkologie
Medical Dosimetry	

¹ EHBDT: University Habilitation Committee and Doctoral Council

Decisive contribution:

in the article containing the result described in the thesis point

- first authorship, or

- a decisive authorship contribution, specifically described in the published article.

In justified cases (e.g. large collaborations where the first author or the authorship contribution in the published paper is precluded by the functioning of the collaboration), the HBDT may waive the above requirement at the same time as the thesis is sent out for evaluation. The request for exemption must be accompanied by a statement from the candidate (approved by the supervisor) of their precise individual contribution to the articles assigned to the thesis points.

II. Language requirements

Section 17 (3) of the BME DHR establishes an intermediate level English language examination in the first place. To certify language competence, a complex (oral and written) state accredited language examination at level B2 or a certificate equivalent to it as described by Section 17 (3) of the BME DHR is required.

The degree requirements shall be reviewed annually by the Habilitation Committee and Doctoral Council of Physics (HBDT) and shall be amended as necessary. The above requirements were adopted by the HBDT on November 24, 2023, and took effect with the approval by the Habilitation Committee and Doctoral Council of the University on November 30, 2023.