



Scientific Requirements Related to the Doctoral Dissertation as Defined by PIDSME

Supplement to *Annex 15* of DCNSET -DR

SCIENTIFIC REQUIREMENTS

The requirements for obtaining a degree at the Pekár Imre Doctoral School of Mechanical Engineering are as follows:

1. At least 5 English-language articles, each with a minimum of 4 pages.
2. At least 250% cumulative authorship share in Hungarian Science Bibliography (MTMT-reviewed English-language journal articles or WoS/Scopus-indexed conference papers, each with a minimum of 4 pages.
3. At least 150% cumulative authorship share in English-language journal articles with WoS impact factor, each with a minimum of 4 pages, at least one paper was not published in a Hungarian journal.
4. A total of at least 150% cumulative authorship share in English-language articles rated at least Q2 according to SJR, each with a minimum of 4 pages.
5. For native Hungarian speaker candidates, at least 1 Hungarian-language journal article, educational article, or conference paper.
6. Deliver at least 1 presentation in English at an international professional conference.

Only those publications may be considered that are not opposed by MTMT in the year of publication and where the Candidate's authorship share is at least 14.2%.

The 4-page constraint does not apply to highly ranked scientific journals (e.g. Nature, Science) that typically publish shorter articles.

When calculating authorship share, only publications related to the thesis topics may be considered. The authorship share is determined by a uniform distribution among the authors, excluding the supervisor from the author count. Only one co-supervisor may be considered. The candidate must specify which co-supervisor to exclude from their articles. Publications may be partially replaced by equivalent profession-specific works with the approval of the Doctoral Council. In the case of multiple co-authors, the applicant must provide the authors' declarations for the articles (signed by the co-authors). If this is not done, the 100% will be divided by the number of authors. The weight of scientific activity such as oral or poster presentations at international and national conferences varies from case to case, therefore such publication activity can only be taken into account as a complementary criterion. Deviation from the listed requirements is possible with the unanimous decision of the Doctoral Council. Outstanding scientific results (achieving at least 300% of the degree requirements for publications) may also be submitted in a shorter (at least 30-page) summary with the preliminary consent of the Doctoral School Council.

A single scientific result may appear as a thesis in only one dissertation. The doctoral candidate and their supervisor must declare that the results described in the theses do not appear as theses in any other dissertation.



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6. Deliver at least 1 presentation in English at an international professional conference.

Only those publications may be considered that are not opposed by MTMT in the year of publication and where the Candidate's authorship share is at least 12.5%.

The 4-page constraint does not apply to highly ranked scientific journals (e.g. Nature, Science) that typically publish shorter articles.

When calculating authorship share, only publications related to the thesis topics may be considered. The authorship share is determined by a uniform distribution among the authors, excluding the supervisor from the author count. Only one co-supervisor may be considered. The candidate must specify which co-supervisor to exclude from their articles. Publications may be partially replaced by equivalent profession-specific works with the approval of the Doctoral Council. In the case of multiple co-authors, the applicant must provide the authors' declarations for the articles (signed by the co-authors). If this is not done, the 100% will be divided by the number of authors. The weight of scientific activity such as oral or poster presentations at international and national conferences varies from case to case, therefore such publication activity can only be taken into account as a complementary criterion. Deviation from the listed requirements is possible with the unanimous decision of the Doctoral Council. Outstanding scientific results (achieving at least 300% of the degree requirements for publications) may also be submitted in a shorter (at least 30-page) summary with the preliminary consent of the Doctoral School Council.

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