



Institut ekonomických studií
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Velká obhajoba disertační práce
Dissertation Defense

Vít Macháček
Chapters in cross-country analysis of science

25. 10. 2023 v 17:10, místnost 206
October 25, 2023 5:10 pm, room 206

Školitel / Supervisor:

Ing. Martin Srholec Ph.D.
(CERGE-EI)

Komise / Committee:

Doc. PhDr. Jozef Baruník Ph.D. (IES) - předseda komise

Vincent Larivière PhD (University of Montreal) -
opponent

Theo van Leeuwen PhD (Leiden University) - opponent

doc. Ing. Daniel Münich PhD (CERGE-EI) - opponent

PhDr. Jaromír Baxa Ph.D. (IES)

Doc. Ing. Tomáš Cahlík CSc. (IES)

RNDr. Michal Červinka Ph.D. (IES)

Práce dostupná na: / Available:

<https://iesdev.fsv.cuni.cz/default/file/download/id/34824>

Advisor's Report on Dissertation Thesis

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Author:	Vít Macháček
Advisor:	Ing. Martin Srholec Ph.D. (CERGE-EI)
Title of the Thesis:	Chapters in cross-country analysis of science
Type of Defense:	DEFENSE
Date of Pre-Defense	February 22, 2023

The dissertation thesis presents comparative research on important but relatively rarely examined differences in the development of science systems across countries. The main research topics, including the propensity to predatory publishing, academic inbreeding and globalization of science, touch upon important policy issues, especially in the context of the former transition and developing countries. The thesis is well-written and provides original insights to international literature on these topics. I therefore recommend the thesis for defense without substantial changes.

The original contribution of the papers is documented by the fact that all of them have been already published in well-respected international journals. First, the paper on “Predatory publishing in Scopus: Evidence on cross-country differences” (Chapter 1) has been published in a relatively new but already highly recognized journal Quantitative Science Studies that comes out under the MIT Press (Q1 in the WoS). Second, the paper entitled “Studying researchers’ institutional mobility: Bibliometric evidence on academic inbreeding and internationalization” (Chapter 2) has been published in Science and Public Policy that belongs to the Oxford University Press fleet (Q3 in the WoS), which is one of traditional journals in the literature on science policy. Finally, the paper on “Globalization of scientific communication:

Evidence from authors in academic journals by country of origin” (Chapter 3) came out in Research Evaluation (Q1 in the WoS) that also belongs under the Oxford University Press and has recently become one of the leading journals in this area of study.

The reviewers are encouraged to reflect on whether the thesis is defensible at their home institution or another respected institution where they gave lectures. In this respect, I am glad to confirm that the thesis would have a very good prospects to be defended at both the University of Oslo as well as Lund University, to which I have been affiliated as a senior researcher and Associate Professor over the years, respectively. In addition, the thesis would be surely defensible in other respectable Czech higher-education institutions that run similar doctoral programmes, such as the Prague University of Economics and Business or Masaryk University.

In my view, the author satisfactorily reflected on comments of both the opponents and the committee and revised the thesis accordingly. In particular, the author clarified issues with regards to the methodology as well as interpretation of some of the results, extended the analysis as requested, most notably with regards to the country language as a factor explaining reliance on domestic resources in the university hiring practices and corrected several inconsistencies that have been spotted by careful reading of the thesis by the opponents. I am convinced that the revised version of the thesis is ready for defence.

Two out of the three core chapters are written jointly with me and other coauthors, including highly acclaimed foreign researchers based at the CWTS - Centre for Science and Technology Studies – Leiden University, a leading research centre in the area of scientometrics worldwide, which the author visited on research mobility. Nevertheless, it should be highlighted that

Chapter 3 is single-authored, hence solely his own doing – from the inception and design, to working with the data, running the computations, presenting the results, writing drafts, and to handling of the actual publication process - without excessive interference or help of anybody else, including his supervisor. The author should be given a high credit particularly for achieving that publication. Surely, he has proved that he has learnt the trade of doing research and that he is worthy of the doctoral title.

Date:	September 27, 2023
Advisor's Signature	
Advisor's Affiliation	Ing. Martin Srholec Ph.D. (CERGE-EI)