

Bibliometric analysis

IASR Evaluation 2018

The analyses of IASR publications are based on 1772 publications from the years 2010-2017. The publications included are authored by former and present IASR Fellows. We could only include current UTA-researchers as the publication data in the University's publication database does not include non-UTA researchers. The publication data was collected and analyzed by UTA Library and the evaluation administration.

The amount of publications include 122 duplicates meaning that several IASR colleagues have co-authored the publications. The IASR researchers' publication activities have been analysed from three different aspects:

1. Quality of IASR researchers' scientific publishing according to the Finnish Publication Forum classification system
2. IASR researchers' average publication output (scientific publishing)
3. Internationality of IASR researchers' scientific publishing

1. Quality of IASR researchers' scientific publishing according to the Finnish Publication Forum classification system

Publication Forum (in Finnish often referred to as JUFO) is a rating and classification system to support the quality assessment of research output. To account for the different publication cultures characteristic of various disciplines, the classification includes academic journals, book series, conferences as well as book publishers. The three-level classification rates the major foreign and domestic publication channels of all disciplines as follows:

- 1 = basic level
- 2 = leading level
- 3 = highest level.

All levels include only peer-reviewed publication channels. The majority of all publication channels are classified as Level 1. Levels 2 and 3 are awarded to a limited number of publication channels that are found to be of the highest level by the Expert Panels. They are mostly international publication channels but in Humanities and Social Sciences, Level 2 also includes Finnish and Swedish language forums. Publication channels that have been evaluated but do not meet all of the Level 1 criteria are marked as category 0.

The evaluation is performed by 23 discipline-specific Expert Panels composed of some 200 distinguished Finnish or Finland-based scholars.

Publication Forum operates under the auspices of the Federation of Finnish Learned Societies (TSV). The Steering Group is appointed from amongst the scientific community and major organizations in science administration is responsible for the development of the Publication Forum operations.

(For more information, please visit: <http://www.julkaisufoorumi.fi/en/publication-forum>)

In the light of the JUFO classification, there are no big differences between IASR and SSH (social sciences and humanities) publishing in the University of Tampere and other Finnish universities. However, IASR stands out as a unit with the biggest share of the highest level publications: 12 percent of all its scientific publications are labeled as level 3 publications (Table 1).

	1 = basic level	2 = leading level	3 = highest level	Total
Social Sciences, Finnish universities	60 % 18 080	31 % 9 552	9 % 2 756	100 % 30 388
Humanities, Finnish universities	58 % 9 926	33 % 5663	9 % 1432	100% 17021
Social Sciences, UTA	59 % 2184	33 % 1217	8 % 308	100% 3709
Humanities, UTA	52 % 652	38 % 476	10 % 132	100% 1260
IASR	61 % 731	27 % 319	12 % 140	100% 1190

Table 1. JUFO classification & Scientific publishing by IASR and by SSH fields in UTA and Finnish universities, 2010-2017.

2. IASR researchers' average publication output (scientific publishing)

According to previous study (Pölonen & Auranen 2017, 29), Finnish university researchers published on average 1,5 peer-reviewed publications (articles and monographs) yearly by full-time equivalent in 2014-2016. Besides including all the researchers from PhD students to professors (career levels I-IV), researchers outside the career path system, for example, part-time teachers and other staff, were also included in the analysis. The analysis was based on non-fractionalized publication amounts and all disciplines were included in the study. When focusing only on researchers included in the career path system (levels I-IV), the average publishing performance was expectedly a little bit higher: Finnish researchers published in average 2,0 peer-reviewed publications per year (Muhonen & Pölonen 2016b, 2). We use these two studies as a reference point to examining IASR researchers' average publication output. It should be kept in mind, that there are always challenges in comparing publishing performance figures over different data settings, and they should not be compared directly with each other. First, the above mentioned study (Pölonen & Auranen 2017) concerned all disciplines. It is clear, however, that publishing performance is a discipline sensitive phenomenon. In the case of SSH publishing, non-fractionalized performance figures were expected to be lower than the average of all disciplines (Muhonen & Pölonen 2016a, 14; Muhonen & Pölonen 2016b).

According to this examination of IASR researchers' publishing performance it was found that the IASR professors published on average **4,1** peer-reviewed (A, C) publications per year¹.

¹ It was not possible to count the exact FTE's for IASR as the data includes only such former and present fellows who are currently employed by UTA.

The IASR senior and postdoc researchers published on average **2,3** peer-reviewed (A, C) publications per year. The publication amounts were not fractionalized.

With this information, IASR with the focus on social sciences seems to be a unit fostering fellows who score high in relation to publishing performance.

3. Internationality of IASR researchers' scientific publishing

In light of the publishing profile of IASR fellows in 2010-2017, IASR seems highly international: 75 percent of scientific publications of IASR fellows are international (Table 2). Thus, IASR outperforms the national SSH average of Finnish universities (social sciences: 65 % & humanities 52 %) in relation to the share of the international publishing. There is also a big difference compared to the averages of SSH fields in University of Tampere (social sciences 55 % & humanities 54 %).

	Scientific publications (n)	International scientific publications (n)	Internationality of scientific publishing (%)
Social Sciences, Finnish universities	38 993	25 333	65 %
Humanities, Finnish universities	21 017	10 969	52 %
Social Sciences, UTA	4 305	2 375	55 %
Humanities, UTA	1504	805	54 %
IASR	1310	987	75 %

Table 2. Internationality of scientific publishing by IASR and SSH fields in UTA and Finnish universities, 2010-2017

The share of the international co-publications in relation to the international scientific publishing was also examined. Compared both to the SSH fields in the University of Tampere and in all Finnish universities, IASR scores the highest with its share of international co-authored publications: one third of the IASR's international scientific articles have been co-authored with colleagues affiliated to international institutions in 2010-2017. (Table 3.)

	International scientific publications (n)	International co-publications (n)	Share of the international co-publications (%)
Social Sciences, Finnish universities	25 333	8172	32 %
Humanities, Finnish universities	10 969	2156	20 %
Social Sciences, UTA	2 375	672	28 %
Humanities, UTA	805	168	21 %
IASR	987	326	33 %

Table 3. International co-publishing by IASR and SSH fields in Finnish universities, 2010-2017

Literature

Muhonen, Reetta & Pölönen, Janne (2016a) Paljonko on paljon? Bibliometrisen tutkimuksen näkökulmia yhteiskunta- ja humanististen tieteiden julkaisukäytäntöihin. *Tieteessä tapahtuu* 34 (5). Available: <https://journal.fi/tt/article/view/59313/20550>

Muhonen, Reetta & Pölönen, Janne (2016b) Panosten määrittely vaikuttaa tuottavuuslaskennan tuloksiin. *Tieteessä tapahtuu* 34 (6). Available: <https://journal.fi/tt/article/view/59596/20679>

Pölönen, Janne & Auranen, Otto (2017) *Julkaisupaine suomalaisessa tiedeyhteisössä*. *Informaatiotutkimus*. 36(2): 23-41. Available: <https://journal.fi/inf/article/view/65186/26297>