

# Notes on ranking process, or how to be happy by reading genetic research papers

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Communicated by Z.G. Aytasheva and E.D. Dzhangalina

## **Notes on ranking process or how to be happy by reading genetic research papers**

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While overviewing international academic experts or international employers which are able to assess the field of knowledge or teaching process at the universities, we are facing huge “tunnel effect”. Experienced scientists have virtually no time to fill requested questionnaires or sign in to relevant platforms. So we have suggested to pick out younger generations of gifted researchers which would feel themselves a bit flattered by the invitation to take part in evaluating. The second cohort is supposed to be a group of honorary academicians and professors recently retired and therefore able to afford themselves enough time to devote it to the assessing process.

This week our department was busy by designing “a road map” to contributing to general KazNU attempt to visualize itself through different ranking procedures. In our presentation on that account we have emphasized, any road map has to be regarded via its parametric sustainability likely to that one calculated by the Path Analysis used in math statistics, population genetics and breeding calculations (1) to generating sustainable cultivar or breed. Parameters important for such a path analysis in its implication to a new road map may be determined by estimating the number of short communications, the number of patents and certificates, weight and quality of each paper, the share of experimental papers, duration of the analysis, the share of unpublished proceedings, relative increase of Hirsch’s index, relative increase of the number of papers in journals with a high citation index, and etc. So in the end there will be exact data on relative sustainability of summarized road parameters. This attitude may be used for assessing different departments, faculties and high schools to indicate not only stronger features of their activity but also those parameters which should be corrected with minor or serious efforts. On the other hand, such a picture would also assist in revealing those parameters which can not be fulfilled at all or even slightly improved without the involvement of the university, the ministry, state and city administration, the industry or its private sector.

## **References**

1 Scientific Reports | 7: 1300 | DOI:10.1038/s41598-017-01211-7