

THE EVALUATION OF SCIENTIFIC RESULTS AND SCIENTISTS ACHIEVEMENTS ACCORDING TO CONTEMPORARY TRENDS

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Abstract

The principal goal of research activities is the advancement of knowledge in a scientific field. This progress is documented by publishing original papers in scientific journals, proceedings of conference meetings, patents etc. The evaluation of scientific results and achievements remains a very difficult task for all scientific community. In the past, were used different parameters to evaluate the quality of scientific results and their importance in the advancement of the knowledge. The publishing of “original scientific paper” remains, however, the main argument on which is based the assessment of the quality of scientific work for an individual scientist or a scientific team. The impact factor of scientific journal where the paper is published is used in general as an indicator of quality of the author and his institution. Rapid development of informatics and internet in last decades permitted the data collection at different sources: Web of Science, Google Scholar, Chemical abstracts and Scopus which are accessible for scientific community. These data-bases give to us a lot of information about qualitative and quantitative scientific achievements for individuals who were able to publish their results at international journals. The main parameters that are actually used to assess the work of a scientist are: the number of published papers, the value of impact factor of the journal where the publication is done, the number of citations that show the real impact of the paper for other scientists, H-index, etc.

Key words: *Scientific evaluation, original scientific paper, impact factor, H-index*