<div align="center">

PhD Program in Psychology

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Seminar: "Scientometric Dilemma: Is H-Index Adequate for Assessing Scientific Validity of Academic's Work?"

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10.06.2025 (09:00-13:00)

11.06.2025 (09:00-13:00)

Aula 2, 2° piano Dipartimento di Psicologia Renzo Canestrari, Viale Berti Pichat 5, Bologna.

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Abstract

H-index is an index that attempts to measure the productivity of scientists, and the impact od published work. This index combines productivity with echo, is not sensitive to extreme values such as articles without citations or those with above-average number of citations and identifies the most relevant articles with regard to number of citations received. However, the H-index and its predictive function have been criticized, in association with the presentation of alternative indices which seem to be more reliable for scientific assessment. The seminar serves as a comprehensive guide for seeking to understand the h-index, its significance in academia as well as its limitations. A brief presentation of most robust alternatives is also provided.

Reading:

Hirsch, J. E. (2005). An index to quantify an individual's scientific research output. *Proceedings of the National Academy of Sciences of the United States of America, 102*(46), 16569–16572. https://doi.org/10.1073/pnas.0507655102.

Koltun V, Hafner D (2021) The h-index is no longer an effective correlate of scientific reputation. *PLoS ONE 16*(6): e0253397. https://doi.org/10.1371/journal.pone.0253397.

Zhang C-T (2013) The h' Index, Effectively Improving the h-Index Based on the Citation Distribution. *PLoS ONE 8*(4): e59912. https://doi:10.1371/journal.pone.0059912.