Letter to the Editor

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SCIENTOMETRICS: A NEED FOR PHYSICAL THERAPY

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Dear Sir,

Due to the emergence of electronic media into science and technology, the awareness and acquaintance to scientific data has been increased during the past three decades. Internet facilities have made possible the reach of data to all the academicians/ researchers. Mushrooming of publications and duplication of articles has been tremendously increased in the recent years. Due to the emergence of new science called scientometrics, the quality and quantity of scientific material is expected to be measured and analyzed on the basis of scientific measures.

This modern technology measures not only the published material also the evaluation of scientists (H-index) and their role in particular field along with the ranking of field experts and expertise. These measures and analysis not only determines the impact of scientific work but also the upcoming researchers to choose particular field experts for their ongoing work to yield authenticated outcomes and validation of research performance.

Scientometrics basically focuses on assessment and evaluation of scientific rigor 1.And emphasize the relative growth and scientific priority in many fields.

The modern Scientometrics also means to explain the quality of work based on bibliometric analysis of scientific publications and citations.

In brief Scientometrics is the study of measuring and analysis of science and its innovations

Key Words: Scientometrics, Physical therapy, Effect size

ROLE OF SCIENTOMETRICS IN THE FIELD OF PHYSICAL THERAPY

So far Scientometrics have been playing a role to measure various disciplines and their extended levels of educational performance.

One recent study has concluded that citation analysis through Scientometrics does not mean the scientific merit of the research work done[2].

The work of numerous research articles mostly reveals the probability of the observed difference between the samples in terms of P value. But the future research analysis would also be based on the amount of difference between the samples, the statistical *'Effect Size'* analysis do explains not only the significant difference but alsothe concept of amount of difference between the samples.

Since physiotherapy involves different methods of treatment interventions, only P-value variability may not serve the purpose of observed/ significant difference to be applicable on patient population but also needs the amount of difference whether it is a large or small treatment'effect size' of interventions between the samplesobserved.

Hence, the scientific measure of 'effect size' analysis would bring the citation weightage to scientific merit of the research work done thereby increases the 'impact factor' of the journals.

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