

Publication Trend of Biochemistry Research in India: A Scientometric Study

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ABSTRACT



The purpose of this study is to examine the trend of biochemistry research in India, using the number of papers covered by Web of Science (WoS) for the period of 2007-16. This study also identifies subject coverage (domain/field) of publications and other scientometric parameters. A total of 25,132 research contributions by Indian scientists are indexed by WoS during 2007-16 were considered. The source items were all the documents published in journals and other types of documents indexed by WoS, a Clarivate Analytics database. All papers having an authorship or a co-authorship associated with Indian scientists were included.

The study found that, there was an average annual growth rate of 36.84% observed during the period of study and highest share of 13.89% contributions in the year 2015. It was identified that the sub discipline of biochemistry and molecular biology was having 19.56% of the total research output. Journal articles contribute 89.43% of the total output followed by reviews (7.14%). Average length of each article was 8.7 pages. Indian researchers collaborate largely with the researchers of USA (2.49%). The geographical distribution shows that Tamil Nadu, Uttar Pradesh and Delhi lead the list. The study revealed that, C. Abdul Jaleel (58) and L. Pai (37) are the top ranked authors in the field. Academic institutions contribute more number of papers (50.26%) followed by research institutions (28.24%). This is the first scientometric study to analyse the biochemistry research output in India based on WoS database. Hence, the results of the present study will be useful to the biochemists as well as the policy planners.

Keywords: Biochemistry; Research Productivity; Scientometrics; India; Publication Productivity



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