

Quantitative Analysis of Open Access Publications of CSIR-IICT: A Case Study

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ABSTRACT



Open Access (OA) journals have originated a few years back. They are much browsed than the traditional journals. However most of the authors prefer to publish their articles only in reputed and high impact factored journals. It appears difficult to encourage publishing in OA journals. Though there are many advantages for the users, OA journals have several drawbacks also, when compared to other peer reviewed high impact factor journals. However, it is the prime responsibility of a librarian to encourage OA for the benefit of the user community being catered to. This paper quantitatively analyses OA publication output of Indian Institution of Chemical Technology (IICT) of CSIR, during 1990-2015 by using Web of Science database. From the study, it is found that a year-wise output in the number of Indian OA publications in Chemistry field indicating a gradual increase from 2000 to 2015 exclude the year 2011 sudden down in the number. CSIR-IICT had the highest number of collaborating publications with USA followed by France and Switzerland. The IICT has produced highest number of OA publications with collaboration of CCMB (CSIR family laboratory), University of Madras and Osmania University respectively. IICT prefer to publish mainly journal articles, reviews, editorials etc. Current Science (44) was one of the most preferred OA journal followed by Acta Crystallographica section E, PLOS One respectively. In the top 10 collaborating institutions of Indian OA publications in chemistry field, CSIR-IICT stood in 5th place and contributed 2.47 % in India's OA output as it is one of the major research institutions in chemistry and its related areas.

Keywords: Open Access; OA Publications; Quantitative Analysis; Open Access Journals; IICT Publications



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