

Citation Analysis of World Biomedical Literature (1990-2010)

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Abstract: Positive sciences have been growing day by day in the changing world. One of the developing areas is biomedicine. The main aim of this study is to evaluate the papers on biomedicine using bibliometric techniques. There are many studies in literature about biomedicine. However it is the first study that includes whole world. ISI Web of Science has been used as data tool for this study. Searches were carried out on February 14, 2011. The terms, “biomedical” or “biomedicine” were entered in the topic field. We identified the total of 36,221 papers that appeared in Science Citation, Social Science Citation and Art and Humanities Citation Indexes. Over 90% of all studies on biomedical were published between 1990 and 2010 and consequently that time interval is chosen for this study. Over 25% of the publications haven't been cited yet. 746 publications were cited more than 100 times. The review written by 222 authors (“Initial sequencing and comparative analysis of the mouse genome”) is the most cited publication with 2,699 times. 24,352 of the papers are articles. Over 2% of articles (674) published in “Annals of Biomedical Engineering” journal. USA ranks 1st generating nearly 40% of articles. It follows by China and England. The most productive university is Harvard with its 376 articles. Citations of 20 years reflects the rapid pace of advances in the biomedical field. It is showed that biomedicine will be one of the major areas on the scientific community.

Keywords: citation analysis; biomedical