



# Bibliometric Analysis of Mangrove Literature, 2001-2012

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## BIBLIOMETRIC ANALYSIS OF MANGROVE LITERATURE, 2001-2012

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Bibliometrics is the branch of information theory that attempts to analyze quantitatively the properties and behavior of recorded knowledge. Through this technique, we can study only the recorded knowledge, not the knowledge itself. Bibliometry utilizes quantitative analysis and statistics to describe the patterns of publication within a given field or body of literature.

The focus of this analysis is mangrove, referring to the mangrove forests that are saline and coastal forests in the tropics and subtropics. The tool that we have used is Web of Science®, a service to access the world's leading scholarly literature in different disciplines by examining various sources. The present study has used the title search "mangrove" from Web of Science®. This study focuses on year wise distribution; document type, individual author's research productivity and their TLCS (Total Local Citation Score), TGCS (Total Global Citation Score), TLCR (Total Local Cited References) and TLCSb (Total Local Citation Score in the beginning), countries of contributing authors and also journal wise and language wise analyses.

Mangroves



The study reveals that 6331 authors have contributed 3089 articles during 2001 to 2012 (Data as per on 10<sup>th</sup> September 2012). Results indicate that highest numbers of papers have been written by co-authors. The mangrove literatures were covered by 828 journals among which "Estuarine Coastal and Shelf Science" journal stands first with 132 articles. The most prolific author was "Lin YC" with 68 articles. USA with 520 records stands first in country-wise productivity. The total numbers of institutions are 1958 and Chinese Academy of Science, China occupies the first place with 122 records. English language stands first with 3004 records out of 3089 records. This paper explores the highly cited authors and cited papers from mangrove literature. The h-index (that provides an index based on a list of publications ranked in descending order by the Times Cited count) of mangrove literature is 53. An attempt has made to graph mangrove literature by Global Citation Score & Local Citation Score.

**Keywords:** Mangrove literature, Bibliometric analysis, Geographical distribution, Local and global citation scores.

Mangroves

