

## **Visibility of University of Sri Jayewardenepura in Scopus**

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### **Abstract**

Academic community across the globe has been publishing an enormous number of papers in different fields. This study aims to analyse publications attributed to University of Sri Jayewardenepura (USJP) in Scopus database. USJP is the largest university in Sri Lanka in terms of student population having eight faculties. Scopus is an abstract and citation database of peer reviewed scientific journals, books and conference proceedings.

The main objective of this study is to examine the trend of publishing scholarly papers in various research journals indexed in Scopus by faculty members of USJP. In addition, annual growth rate of publications, the most productive faculties, the highest published document types, the most productive authors and the collaboration partners will be identified using Scopus. Research questions were based on addressing these areas separately. Quantitative methodological approach was used and mostly descriptive analysis was used to interpret data. Study period is set from 1998 to 2018 spanning over 21 years. All main subject areas in Scopus search engine; life sciences, social sciences, health and physical sciences were chosen. The process of articles searching was carried out entering the Affiliation as “University of Sri Jayewardenepura” and limiting Publication year as “up to December 2018”. It is expected that the recent last 21 years would project the best picture of the pattern of research publications in Scopus database by the University of Sri Jayewardenepura academics.

Results of this study show that 869 papers were published in total during the selected study period, including 7 document types. Among those, there were 712 articles, 67 conference papers, 40 reviews and 39 book chapters. Highest numbers of papers (165) were published during the year 2018. 114 and 104 papers were appeared in 2017 and 2016 respectively. The highest growth rate has been recorded from 2017 to 2018, which is 6%.

The most productive author is Meththika Suharshini Vithanage from the Faculty of Applied Sciences and she has published 133 articles. The next positions acquired by G.N. Malavige and Saman B. Gunatilake from the Faculty of Medical Sciences and they have published 71 and 60 articles respectively. As the most productive faculty, 410 articles have been published by the Faculty of Medical Sciences. When considering the subjects of main subject areas of these 410 articles, 390 (21.4%) articles of Medicine, 197 (10.8%) articles of Agricultural and Biological Sciences and 134 (7.4%) articles of Biochemistry, Genetics and Molecular Biology have been published in Scopus database. The next productivity faculties are Faculty of Applied Sciences and Faculty of Management Studies and Commerce and they have published 347 and 94 articles respectively. Subjects of the articles published by these two faculties are 104 (5.7%) on Environmental Science, 91 (5%) on Multidisciplinary, 84 (4.6%) on Computer Science and 68 (3.7%) articles on Business, Management and Accounting. Under the collaboration partners, the University of Colombo (105), the University of Kelaniya (48) and the University of Peradeniya (42) are shown as the best collaborative Sri Lankan partners. The best collaborative country is the United Kingdom (98) followed by Australia (93) and United States (76) with the University of Sri Jayewardenepura researchers according to Scopus results.

A higher growth rate is expected from 2018 to 2019 for the University of Sri Jayewardenepura than that of from 2017 to 2018 due to the emerging research culture in the university. Researchers are encouraged by many ways including bearing the publication fee by the university when publishing in recognized indexed journals, providing overseas travel grant to attend conferences and present the research findings in ways of conference papers or posters and rewarding researchers by conducting annual research awards event. These facilities are streamlined and backed up by the Research Centres established under the Research Council and Innovations, Inventions and Venture Creation Council of the university. The outcome of this research will be disseminated among the university community in view of encouraging them to do more research publications by obtaining the maximum out from the facilities and services given by the university. Further it is hoped that it will help the other faculties which have slow progress in publishing to look for more possibilities of culminating a publishing culture.

**Key Words:** Scopus Database, University of Sri Jayewardenepura (USJP), Publications, Researchers in Sri Lanka