

## **Using H-index to assess the productivity of the authors in the field of library and information science: a study of a sample from the Arab literature**

### **Abstract:**

This study aims to identify h-index and its uses, and its role in determining the most influential authors in a certain field. The author will try to pinpoint the h-index advantages and disadvantages. Then applying this new coefficient to the Arab literature in the field of library and information science, through analysis of citations contained in four scientific journals in the field, namely: majallat alaittijahat alhadithah fi almaktabat wa almaalumat, darasat arabiah fi almaktabat wa almaalumat, majallat almaktabat wa almaalumat alarabiah, and majallat maktabat almalik fahd alwataniata. The study showed that the most influential authors in the field of library and information science in the Arab world are Prof. Dr. Mohammed Fathi Abdel Hadi, and Prof. Dr. Hashmat Qasim, followed by Prof. Dr. Ahmed Badr, then Prof. Dr. Shaaban Abdel Aziz Khalifa, Prof. Dr. Osama El Sayed and Prof. Dr. Hisham Abdullah Abbas. There were no statistically significant differences between the h-index and the direct counting of citations, also there is no statistically significant differences between the authoring h-index, and the author only, and the h-index after the adding other responsibilities.