



**On the information retrieval model by citation analysis**

Hakim HARIK<sup>1</sup>; Madjid DAHMANE<sup>2</sup>

<sup>1</sup>Research Centre on Scientific and Technical Information (CERIST), <sup>2</sup>Research Centre on Scientific and Technical Information (CERIST), Algiers, Algeria  
[hhakim@mail.cerist.dz](mailto:hhakim@mail.cerist.dz), [mdahmane@wissal.dz](mailto:mdahmane@wissal.dz)

In this paper, we propose to study the problem of the information retrieval. A representation model of the scientific production will be presented. Some properties will be released from the structure of the model presented. Using some techniques of the graph theory, we will propose a method of information retrieval containing the citation analysis.