**English for Medical Purposes: a Review of the Research Process and Visualization of Relevant Literature Using Word Co-occurrence Analysis**

**Nematullah Shomoossi, PhD**

Associate professor, Department of English, School of Medicine, Sabzevar University of Medical Sciences, Sabzevar, Iran

**Mostafa Rad, PhD**

Assistant professor, Department of English, School of Medicine, Sabzevar University of Medical Sciences, Sabzevar, Iran

**Mostafa Rad, PhD**

Assistant professor, Department of Nursing, School of Nursing, Sabzevar University of Medical Sciences, Sabzevar, Iran

**Mansoureh Fiezabadi, PhD**

Assistant professor, Department of Information Science and Knowledge Studies, School of Medicine, Sabzevar University of Medical Sciences, Sabzevar, Iran

**Esmaeil Vaziri, PhD**

Assistant professor, Department of Information Science and Knowledge Studies, Faculty of Humanities, University of Zabol, Zabol, Iran.

**Abstract**

**Background and Objectives:** English for medical purposes (EMP) seems to have succeeded in providing language expertise for both medical students and practitioners. The patterns of flourishing this discipline with its specific audience is not carefully studied. Therefore, the present study used scientometric and word co-occurrence analysis to identify the most important topics and to assess trends in this filed over time.

**Materials and Methods:** Documents indexed in Scopus and Web of Science (WOS) were used to examine various indicators such as keywords, countries, organizations, and authors. Search results were preprocessed through Bibexcel to create a file for mapping, and word co-occurrence analysis was applied to evaluate the publications. Also, scientific maps, author’s network, and country contributions were depicted using VOSviewer and NetDraw. The most productive authors and countries were determined. Regarding the trend analysis, highly frequent words were examined at 6-year intervals.

**Findings:** The findings indicated that 81 countries, 1304 authors, and 799 organizations have contributed to the scientific mobility of this field. Keyword co-occurrence analysis indicated that topics have shifted from language-specific foci to interactive domains.

**Conclusion**: These findings offer evidence-based information about the past and present trends in EMP research topics and trends, as well as its future directions, moving from linear patterns (solely related to linguistic components) towards a more interrelated pattern of issues clustering around a medical education and learning topics.

**Keywords:** Research; EMP; English for Medical Purposes; ESP; English for Specific Purposes; Medical English; Scientometrics, Word Co-occurrence Analysis.