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TÜBİTAK

COMPARING TREND OF WORLD'S MOST CITED SCIENTIFIC STUDIES WITH TURKISH SCIENTIFIC STUDY TRENDS REGARDING NANOTECHNOLOGY FIELD BY USING TECHNOLOGY MINING CONCEPT

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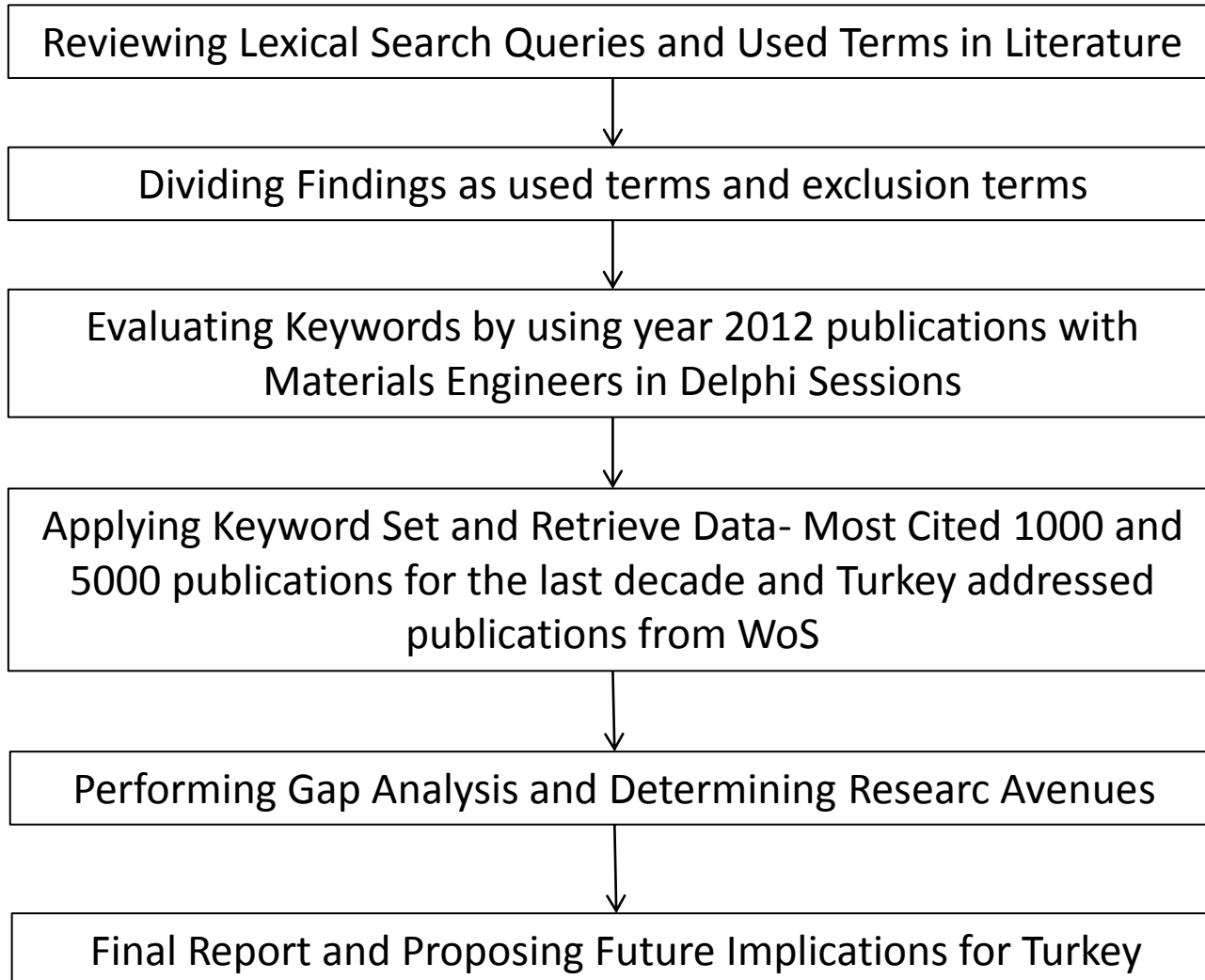
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INTRODUCTION

- This study is a part of on-going project which is funded by TUBITAK (National Science and Technology Research Board).
- We aim to understand world science trends on nanotechnology by analyzing nanotechnology publications and compare it with science strategies of Turkey which is determined by Higher Board of Science.

METHODOLOGY



Findings

- It can be noted that nanotechnology has a great potential to change future technologies radically. Recent developments show that it is crucial to manage R&D efforts even in national level to be successful and not to be lag behind in this progress. While preparing R&D policy on nanotechnology, it is clear that, world technological trends and future directions should be considered.
- We have been trying to review lexical search queries and found 200 articles from the databases regarding “bibliometrics” + “scientometrics” + “nanotechnology” + “nano*”
- With this study as mentioned before it is aimed to find a reliable way for combining bibliometric analysis and policy development subject. However there are some questionable issues that may be discussed in this congress. These are;
 - (a) Does Delphi Technique work correctly for updating/verifying keywords?
 - (b) Do time periods reliable for world publication search? How can the correct time period be understood for nanotechnology publications?
 - (c) Comparing trends of Turkey and World most-cited publications is valid, because of the time-frame differences?
- These are some questions that thought as the proposed methodology contains these weaknesses. It is important for our project to remove these weak sides by discussing on these issues with experienced researchers in this field.