

**Systems of Nanotechnology Innovation in Turkey  
from an Institutional Perspective<sup>1</sup>**

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***Abstract***

*As an emerging technology field, there is an on-going motivation for analysing the trend of research networks of nanotechnology. This paper attempts to present the evolution of Turkey in nanotechnology research by taking into account the academic publications to indicate the overall trend and the leading actors in the systems of nanotechnology innovation. The purpose of this paper is twofold: (i) to present the trend and current status of nanotechnology research and (ii) to highlight the actors and institutions active in the systems of nanotechnology research in Turkey. In this framework, it is aimed to show the collaboration patterns of Turkey with leading countries and organizations in nanotechnology research. Using bibliometric data of 7727 articles published between the years 1990-2012, it is found that the literature on nanotechnology has grown exponentially for the last two decades especially after 2008. In addition, the bibliometric analysis of journal articles published on nanotechnology in Turkey shows that nano-related research is mostly concentrated in public institutions, especially in public universities.*

***Keywords:*** Nanotechnology, Collaboration, Turkey, Bibliometric analysis, Vantage Point

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