

The Need to Transfer Science to Technology and National Wealth

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In current state of world, promotion of science and scientific activities is intertwined strongly with the progress and advancement of technology. It can be claimed that production, advancement and promotion of science, has its strong impact on all domains of social activities including economic, social and cultural sectors. Fortunately adaptation of policies such as those of initiation of advanced educational programs and expanded training of human resources combined with increase of research funds as well as establishing research centers in support of applied research, has contributed to the production of science in the last two decades to have an accelerating trend causing a sense of optimism for progress during the coming years ahead. Such a trend has made it possible to believe that it will be a reality for Iran to have the first standing position in the region during the coming years, an event which is of high significance for the country stand envisaged for the next twenty year projection. Now that the pace of scientific activities in the country is experiencing accelerating trend, a valid question that is raised is that if this trend does not contribute to the progress in technology, what will be the use and benefit of having first ranking position in the region. It is necessary that basic scientific developments are transferred to applications that are tuned to meet the needs of the society. This in itself requires a suitable platform for its realization. Science policy makers of the society need to devise technology programs encompassing overall societal needs such that scientific activities are channeled towards technology gains and thus resulting in employment, added value activities and superior industrial products and in brief national wealth. In this paper while emphasizing the significance of maintaining the current increasing trend in science production, we will focus on evaluating the country's rankings in technology using a set of indices and international standards where while emphasizing transfer of science to technology and to national wealth, the main structures facilitating such transfer will be illustrated.

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