

## عنوان مقاله:

Knowledge Production and Innovation Ecosystem in the Solar Energy Sector in India

## محل انتشار:

هفتمین کنفرانس بین المللی مدیریت فناوری و چهاردهمین کنفرانس بین المللی آسیالیکس (سال: 1396)

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## خلاصه مقاله:

The objective of this paper is to contribute to a better understanding of the dynamics of knowledge production and innovation ecosystem in Indian solar energy sector. In 2010, government of India introduced National Solar Mission to promote our country's energy security challenge, aims to become a leader in solar power generation, supporting R&D activities, develop trained human resource for solar industry. Knowledge production here refers to the research outcomes such as patents and research publications from the various R&D institutions, university, firms, etc. and innovation ecosystem is one of the perspective where the sense of environment of various institutions, actors and various other factors surrounding the activity of research and innovation. The study shows that research outcomes; research publications, patents and R&D investment has become a more essential. It highlights the number of publications and patents has been increased. There is also a significant presence of productive academia, R&D institutions and supportive policy initiatives in the country. This paper also addresses the research trust area in various solar technologies, the current solar energy scenario in the country and explores the ways in which various actors, agencies and policies shape the solar sector from various perspectives on innovation literature.

## کلمات کلیدی:

Knowledge production, Innovation ecosystem, Solar energy, Sectoral system of innovation, National solar mission

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