

1. Record Nr.	UNINA9910253978103321
Titolo	Resurgence of Nuclear Power : Challenges and Opportunities for Asia / / edited by Nandakumar Janardhanan, Girijesh Pant, Ravi B. Grover
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2017
ISBN	981-10-5029-5
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XII, 214 p. 13 illus.)
Disciplina	333.7924
Soggetti	Nuclear energy Energy policy Energy and state Natural resources Nuclear Energy Energy Policy, Economics and Management Natural Resource and Energy Economics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Resurgence of Nuclear Power in India -- Changing Geopolitics of Energy Security and the Nuclear power -- The Expectant Global Nuclear Energy Renaissance: Movers, Shakers and Spoilers -- Nuclear Power and Climate Change Mitigation: Search for Low Carbon Energy Mix in Asia -- Small and Medium Reactors: Does Asia need this Technology Overhaul? -- The Clash of Risk Perceptions and the Theatre of Distrust: Reconciling Public and Expert Risk Perceptions -- Public Perceptions of Nuclear Energy in Asia after Fukushima Crisis -- Nuclear Knowledge Management - Trends and Good Practices for Asia -- Liability and Regulatory Aspects of Nuclear Energy Promotion in South Asia -- A Perspective on the Cost of Nuclear Energy.
Sommario/riassunto	This book focuses on the issue of 'resurgence of nuclear power' and discusses the feasibility of nuclear in the energy mix of Asian economies. It discusses nuclear energy sector in detail in the context of India, a country where currently overseas supply of hydrocarbon fuels plays a major role in meeting the domestic energy needs. The book

presents an in-depth analysis of nuclear energy policy as well as regional and global politics surrounding the nuclear industry, and the relevance of nuclear energy from the low-carbon energy perspective. To do so, it explores three different perspectives. To start with, the resurgence of nuclear power is discussed from a global energy perspective to understand whether and how it has been increasingly gaining policy attention among Asian economies. Secondly, it highlights the role of nuclear power in Asia and examines how the collaboration with the global nuclear sector is influencing that role. While the epicentre of nuclear power growth can be seen shifting to the Global East, there is a growing need for strengthening the industry, its legal and regulatory infrastructure and knowledge management. The third perspective focuses on the challenges and opportunities for the nuclear power industry and explores, to what extent the public perception is in favor of nuclear sector in the region. The perceived risks of nuclear power, public perception related to legal and regulatory issues, and concerns regarding land acquisition for nuclear facilities are also discussed. The book contains contributions from specialists in the global energy and nuclear sector, and examines some of the most sought-after topics related to the energy policy studies, especially in the Asian context.
