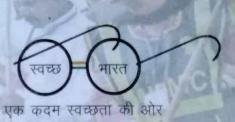


ICSSR Sponsored Two-Day National Seminar on



Environment and Sustainable
Development
Through Swachh Bharat Mission
(ESDTSBM-2018)



Volume II

Editor

Dr. P. Ravichandran



Associate Professor & Head
Department of Economics
Dean of Arts

G.T.N. Arts College (Autonomous)
Dindigul, Tamil Nadu.





Organised by
Department Of Economics
G.T.N. Arts College (Autonomous)
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Book Name

: Environment and Sustainable Development through

Swachh Bharat Mission

Editor

: Dr. P. Ravichandran

Copy Right

: Editor, Department of Economics, Dean of Arts, GTN Arts

College

(Autonomous) Dindigul, Tamil Nadu.

First Edition

: August 2018

Volume- II Pages: 1 - 225

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ISBN: 978-93-87756-45-8



Published by Mayas Publication®

Tamil Nadu | Kerala | Karnataka | New Delhi

Web: www.eijfmr.com

mayaspublication@gmail.com | editoreijfmr@gmail.com

Mobile: 9944387367

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ENERGY AND SUSTAINABLE DEVELOPMENT PERSPECTIVES IN INDIA

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I. INTRODUCTION

This earth provides enough to satisfy every man's neednot every man's greed" said Mahatma Gandhi.Development of India to a large extent depends on thedevelopment of its villages. India's GDP growth over the lastdecade has been unprecedented but at the same time India'sranking in terms of Human Development Index (HDI) as wellas Environmental Sustainability Index (ESI)

has been dismal. India is an agrarian based economy and 70% of its populationstill resides in the rural villages. Energy is the prime mover forthe growth of Indian economy and in order to ensure adequateenergy generation to meet the demand India has to depend on the natural resources indigenously or through imports.

The per capita energy consumption ofworld is 2600, whereas for India it happens to be just over 600units a year, even much below some of the developing countries. The sad part is that even today about 35% of the population in India lives below 1 dollar per day. India is one of the fastest growing economies in the world with brilliantPerformance in the 10th Five year plan. The pace of growthunfortunately has not been able to match the supply and demand and as such India is still a net importer of energy. India today imports around 25% of its primary energy. India ishighly dependent on imports for meeting its petroleum Need sand as such 70% of its petroleum products are importedmainly from Middle East countries.

The following lines of former Prime Minister IndiaGandhi, aptly explain the dilemma of all the developing countries. Now in the Indian perspective, where majority of Indianslie at the bottom of the pyramid living on less than one dollar are day subsistence and are not able to meet their basic needs, the challenge is much larger. These helpless souls are deprived of food, education, safe drinking water, lack basichealth and sanitation, are inflicted with the disease of poverty, suffer from malnutrition and maternal and child death. Poverty and a degraded environment are closely interrelated, especially where people depend for their livelihoods primarily on the natural resource base of their immediate environment.

Since the liberalization of economic policy of India in 1990, India has moved forward from a closely regulated company to a more open economy in terms of better access to goods andservices. The emphasis on sustainability has gainedmomentum as the country has been brought to crossroadswherein it needs to make a tradeoff between the urge fordevelopment and to protect the environment from irreparabledamage.

Energy and Sustainable Development

India's energy and economic development has a cause andeffect relationship. With India being a growing economy, there is external resistance for sacrificing economic growth forthe sake of protecting environment in the future. But India needs to keep up the pace of economic growth to ensure thegood of its masses. Its initial five year plans mostly focused on the urban development as a result of which there has beenno equitable distribution of wealth across the urban and ruralor

About The Editor



Dr. P. Ravichandran (1971) Serving as an Associate Professor and Head, Department of Economics and Dean of Arts G.T.N. Arts College (Autonomous), Dindigul. He has obtained his M.A. (Economics) from Jamal Mohamed College, Trichy and M.Com. M.Phil (Economics) and Ph.D from the Madurai Kamaraj University, Madurai. His academic excellence and subject interests are: Quantitative Techniques, Operations Research, Environment and Health Economics and Mathematical Economics. He has guided more than 25 M.Phil Scholars and presently guiding 5 Ph.D Scholars. He has presented and published more than 35 Research Papers in the State, National and International Seminars and Conferences. He has conducted National level Seminars and Workshop with the sponsorship of UGC, ICSSR and NHRC. He has been the author of three books and also an editor for GTN Multi Disciplinary Bi-Annual Research Journal.

The present volume is a collection of research articles submitted by eminent speakers, experts in the field and research scholars for presentation in the ICSSR sponsored Two Day National Seminar organized by Department of Economics, G.T.N. Arts College.



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Rs: 800/-



