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Steps in Plant Physiology Basic Concepts is a eighth project of the plant sciences. Botanical knowledge enhances our understanding and appreciation of our world and improves the quality of many people's lives. The basic knowledge of plant physiology, that is necessary for experts in agriculture. Most common processes of plant physiology such as Photosynthesis, Respiration, Nitrogen Fixation, Bio-Fertilizer, Plant Hormones and Enzymes are highlighted. The basic concepts of plant stress is complemented with the presentation of physiological mechanisms against different environmental stresses. Plant growth and development is introduced with the characterization and commercial use of plant growth regulators (PGRS, plant hormones). The present reference book will fulfill the basic needs of students, researchers and academicians.



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POVERTY AND INEQUALITY IN INDIA AFTER 1991 ECONOMIC REFORMS

Dr. Ahmad Shamshad

Introduction

India embarked on big-bang economic reforms 28-29 years back in 1991. It is well-known that GDP growth has been much higher in the post-reform period. However, GDP is only one metric. Ultimately, the success of reforms depends on whether the well-being of people, particularly that of poor, increased over time. There are two conclusions on trends in poverty. The first one, shown in a World Bank study in 1996, by Gaurav Datt and others, is that poverty declined by 1.36 percentage points per annum after 1991, compared to that of 0.44 percentage points per annum prior to 1991. Their study shows that among other things, urban growth is the most important contributor to the rapid reduction in poverty even though rural areas showed growth in the post-reform period. The second conclusion is that in the post-reform period, poverty declined faster in the 2000s than in the 1990s. The official estimates based on Tendulkar committee's poverty lines shows that poverty declined only 0.74 percentage points per annum during 1993-94 to 2004-05. But poverty declined by 2.2 percentage points per annum during 2004-05 to 2011-12. Around 138 million people were lifted above the poverty line during this period. This indicates the success of reforms in reducing poverty. The poverty of Scheduled Castes and Scheduled Tribes also declined faster in the 2000s. The

Financial Inclusion and Economic Growth

Meet the Authors



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WOMEN EMPOWERMENT & ECONOMIC DEVELOPMENT



**Prof. (Dr.) Aftab Anwar Shaikh
Dr. Ana Mateen**

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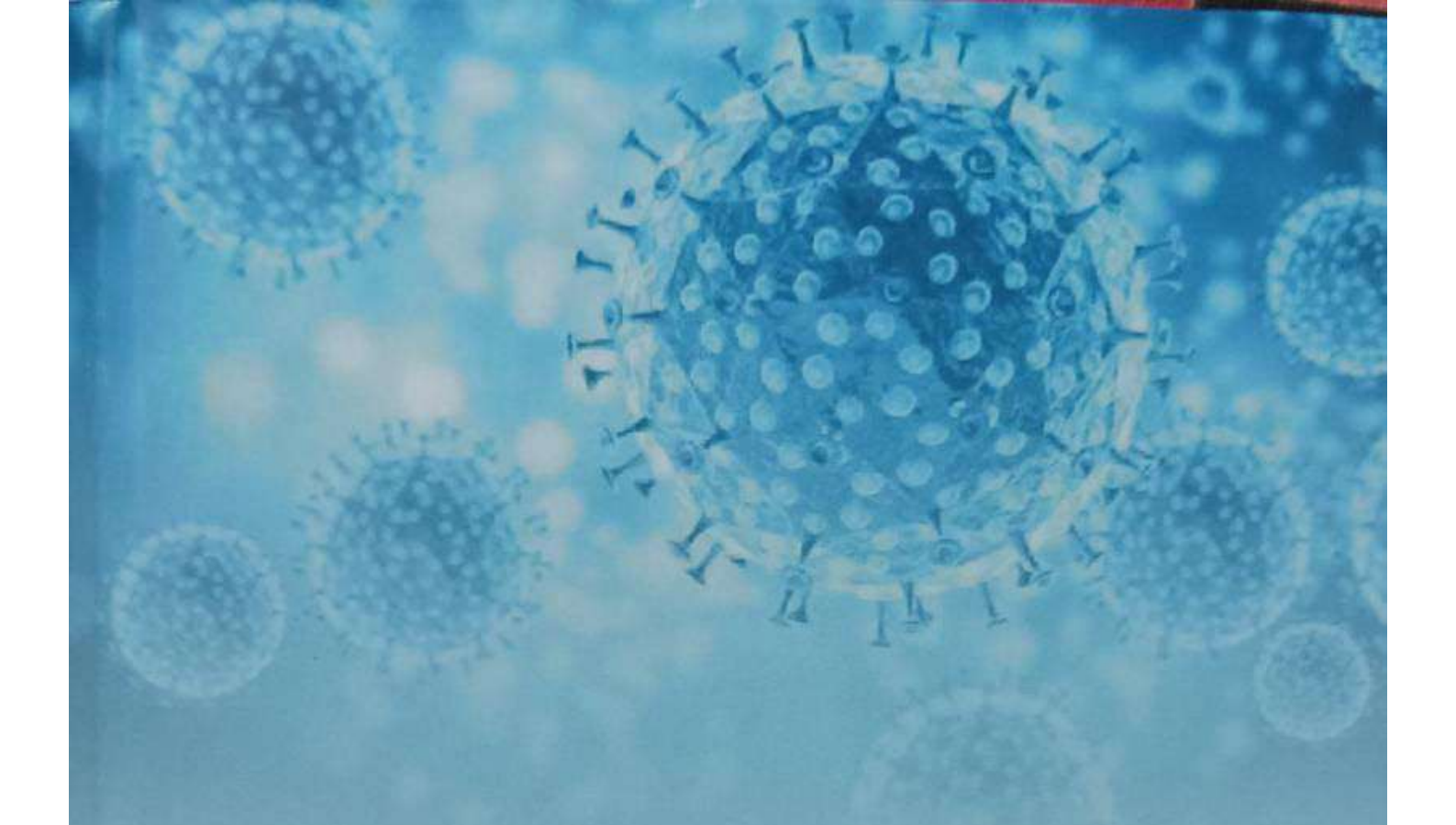
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Socio-Economic Repercussions of Covid-19 Pandemic

Editors

**Dr. M. Shahid Jamal Ansari,
Dr. Ana Mateen,
Dr. Vidyasagar S. Singaram**



PERSPECTIVES OF MICROFINANCE & WOMEN EMPOWERMENT



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About the Book

This book aims to bring to light the outreach, challenges, and imperatives of empowering women through better health infrastructure and education. The focus of this book is on bidirectional relationship between economic development and women's empowerment which can be defined as improving the ability of women to access the constituent of development particularly health, education, earning opportunities, rights, and political participation along with enhancing access to easy finance. It further attempts to build up opinion of the policy makers, practitioners, researchers, and academicians to give a direction to explore the major problems faced by Indian women today and devise solutions for their equal contribution in the overall economic development.

The theme of this book is to study the relation between women empowerment and the economic development. It is imperative to examine the relation between the women empowerment and education. Also to understand the relation between the women empowerment and the poverty levels. This book includes chapters in the form of case studies and research papers from academicians, researchers, and practitioners across the globe.

The chapters are centred on various themes like role of women in agriculture sector; women empowerment through microfinance; finding linkages between financial literacy and financial inclusion among rural women in Kerala; economic participation of women entrepreneurs through SHG linkage with Assam Gramin Vikash Bank, empowering women in the workplace through improving the quality of work life and many other insightful chapters.



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About the Book

This book is a collection of research papers on COVID-19 pandemic by different authors to enable companies and individuals to understand the impact of COVID-19 and also help in future pandemic risks. This book covers the impact of COVID-19 on various sectors and research papers from stakeholders, governments, and individuals. The book is divided into different themes like COVID-19 epidemic, the impact of COVID-19 on various sectors, strategies for mitigating COVID-19, the challenges ahead for Human Resource and the recovery plan for employment post COVID-19. The findings in various chapters can be helpful in the areas of growth and services, assuming recession, closing of the multiple businesses, impact of COVID-19 on various sectors such as tourism and travel business, hotels, restaurant, financial markets, implications of COVID-19 on various governments are increasing their provisions of monetary policy through the COVID-19. The pandemic impact of pandemic in view of economic downturn and loss of jobs is where the long term goal of a sustainable, gender equal & carbon-neutral trajectory in India. The chapter also includes Environmental Impact Assessment (EIA) and the dynamics of women challenges in EIA in some selected African countries is presented in the book.

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About the Book

Through this multidisciplinary approach, the book is edited by eminent scholars in various disciplines. The book includes studies on the socio-economic and political aspects of the pandemic, its impact on the global economy, and the role of the state in managing the crisis. The book also includes a chapter on the impact of the pandemic on the environment and the role of the state in managing the crisis. The book is a valuable resource for scholars and students alike.

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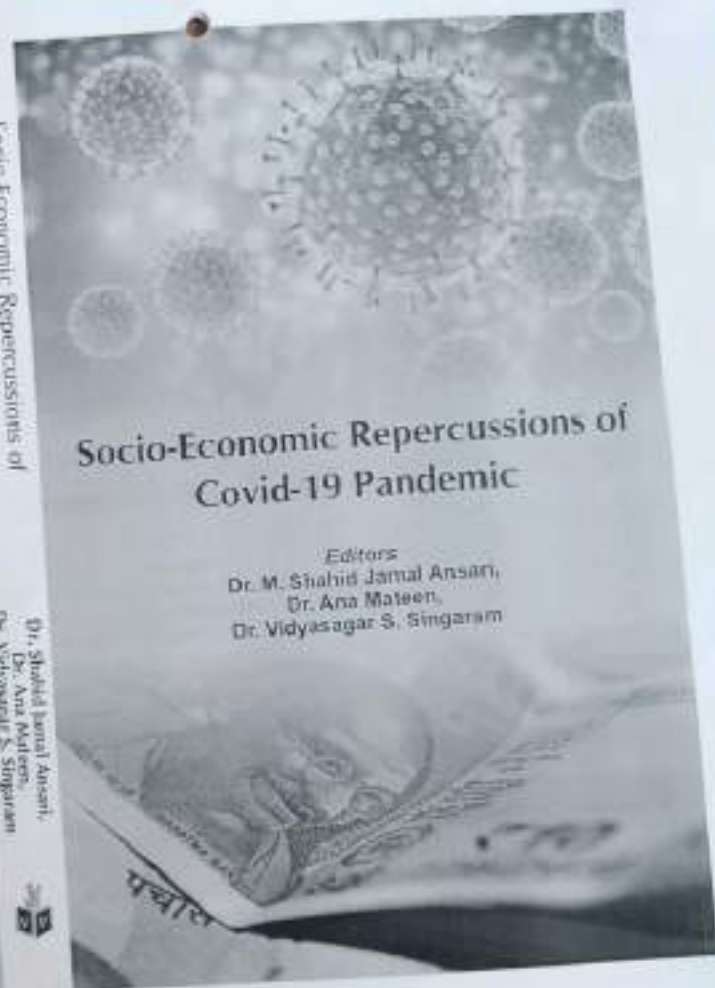
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Dr. M. Shahid Jamal Ansari,
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Editors
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Dr. Ana Mateen,
Dr. Vidyasagar S. Singaram

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Through this Edited Book, we invited chapters to contribute by devising solutions to enable countries and regions which can reduce, mitigate the current impact, and also adapt to future pandemic risks. This book includes chapters in the form of case studies and research papers from academicians, researchers, and practitioners across the globe. The chapters are centered on various themes like COVID-19 epidemic response based on Chinese Knowledge and Consequences for other Countries, the impact of the COVID-19 outbreak on digital payments, strategies for mitigating COVID-19, the challenges ahead for Human Resources and the strategies that can be implemented post COVID-19. The findings in various chapters can be summarised as reduced supply of goods and services tend to lower demand, creating mid-term shortages and inflation in the prices of goods and services, economic recession, closing of the multiple businesses, many other sectors affected also such as tourism and travel business, hotels, restaurants, financial markets, transportation etc. Consequentially, many governments are increasing their provisions of monetary policy such as welfare to citizens and ensuring businesses have funds needed to keep their staff employed throughout the COVID-19. The gendered impact of pandemic in view of economic downturn and neoliberalist construct is also discussed. The impact of COVID-19 on the migrant workers is discussed and ways & means to achieve the long term goal of a sustainable, gender-equal & carbon-neutral trajectory in India. The chapter also includes Environmental Impact Assessment (EIA) and the dynamics of women challenges in EIA in some selected African countries is presented in the book.

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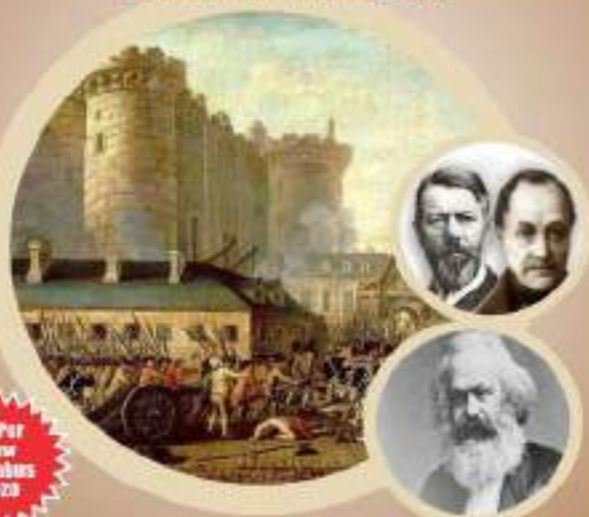
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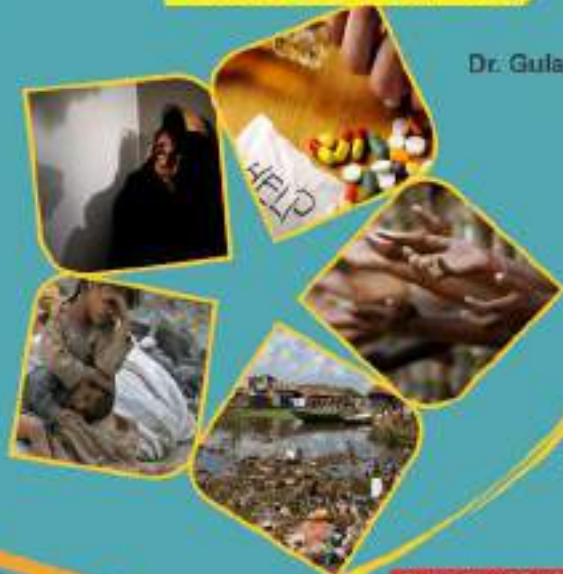
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Circuit Simulation and Virtual Instruments:

A Hands-on an Integrated Approach

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A Hands-on an Integrated Approach

Dr. Arunkumar K. Walunj

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Prof. Dr. A. K. Walunj

Head, Department of Electronic Science
& Vice-Principal (PG & research)

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This book is in the form of standalone virtual laboratory to perform experiments anywhere anytime for self-learning of basic concepts in electronics. Procedure for performing experiments using PSpice simulation and by using an Analog and Digital Discovery Workstation is also provided. Today in education, electronics concepts taught through lectures are often complemented by laboratory experiments. Laboratories are critical to enable learners to develop required knowledge and skill. The learner does not get sufficient time to observe response of the given circuit for various component values and think critically on obtained response, limited duration of practical contact session at the study center, lack of up-to-date laboratory infrastructure. One way to avoid these difficulties interactive multimedia simulation is an appropriate way to complement electronic practical. Simulations also offer learner the opportunity to test new knowledge, strategies, skills and techniques in a virtual, risk-free environment. Secondly an Analog and Digital Discovery Workstation is a remote lab that provides a unique opportunity for the students to overcome the limitations of a traditional laboratory experience and perform hands-on experiments while being physically located away from on-campus laboratory devices. Which is portable test and measurement devices, provides various instruments in a single integrated module along with MATLAB interface etc.



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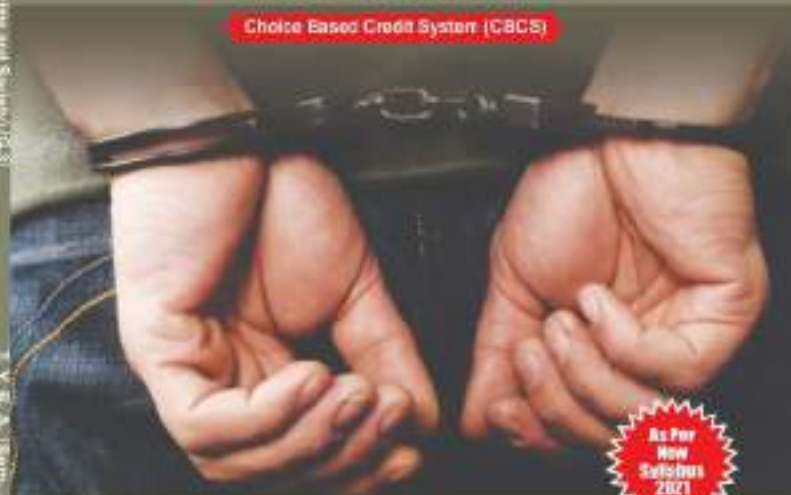
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