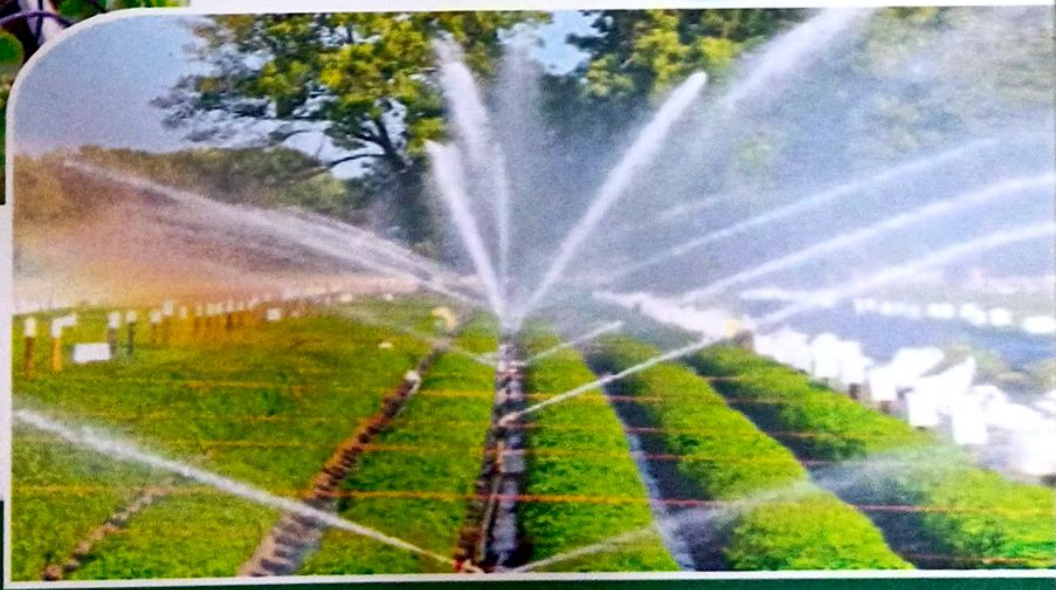
IRRIGATION AND ECONOMIC DEVELOPMENT

Edited by

Dr.S. THEENATHAYALAN
Dr.P. KANNAN



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Editors : **Dr. S. THEENATHAYALAN**
Associate Professor & Head
Post Graduate Department of Economics and
Centre for Research in Economics
The Madura College (Autonomous)
Madurai, Tamil Nadu, India

Dr. P. KANNAN
Associate Professor
Post Graduate Department of Economics and
Centre for Research in Economics
The Madura College (Autonomous)
Madurai, Tamil Nadu, India

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CHAPTER 18

SOURCES, IMPORTANCE, METHODS OF AGRICULTURAL IRRIGATION AND ECONOMIC DEVELOPMENT

Dr. S. KARTHIKEYAN
Assistant Professor, Department of Economics and Center for Research in Economics
The Madura College (Autonomous), Madurai

Dr. M. SATHEESH PANDIAN
Assistant Professor, Department of Economics and Center for Research in Economics
Arumugam Pillai Seethai Ammal College, Tiruppattur

Abstract
Irrigation is that the artificial manifest application of water to land for the aim of agricultural production Effective irrigation will influence the whole growth process from seedbed preparation germination root growth nutrient utilization plant growth and regrowth yield and quality The key to maximizing irrigation efforts is uniformity The producer features a lot of control over what proportion water to provide and when to use it but the irrigation system determines uniformity Deciding which irrigation systems is best for your operation requires a knowledge of kit system design plant species growth stage root structure soil composition and land formation Irrigation systems should encourage plant growth while minimizing salt imbalances leaf burns erosion and water loss Losses of water will occur because of evaporation wind drift run-off and water (and nutrients) sinking deep below the idea zone.
Read Also: Artificial Irrigation, Growth, And Nutrient Utilization.
Keynote: Manifest, Indigenous Irrigation, Germination, and Erosion.
***Keywords:** Irrigation, growth, water, plant, root, soil, systems, system, uniformity, land.*

Introduction

Indigenous irrigation facilities to be employed by the Indian farmers for the rationale to develop the agricultural activities for the aim of satisfied needed for the nutrient food Irrigation is that the artificial manifest application of water to land for the aim of agricultural production Effective irrigation will influence the whole growth process from seedbed preparation germination root growth nutrient utilization plant growth and regrowth yield and quality The key to maximizing irrigation efforts is uniformity The producer features a lot of control over what proportion water to provide and when to use it but the irrigation system determines uniformity Deciding which irrigation systems is best for your operation requires a knowledge of kit system design plant species growth stage root structure soil composition and land formation Irrigation systems should encourage plant growth while minimizing salt imbalances leaf burns erosion and water loss Losses of water will occur thanks to evaporation wind drift run-off and water (and nutrients) sinking deep below the idea zone. Fertilisers need to be 'watered into' rock bottom so on best facilitate plant growth.to use areas which may preferably be 'less productive'. Irrigation can allow farmers to open up areas of their farms where it'd preferably be 'too dry' to grow pasture/crops. This also gives them the potential to

About the Editors

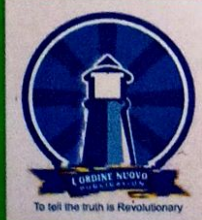
Dr.S. THEENATHAYALAN is presently serving as Associate Professor and Head, Department of Economics and Centre for Research in Economics of The Madura College (Autonomous), Madurai, Formerly Member – Syndicate and Member Convener Committee, Madurai Kamaraj University. He has credibly maintained consistent academic records in his post graduate studies with a University Rank. He started his teaching career in July 1991 with a passion for teaching for more than 3 decades. He has produced 11 Ph.Ds, 32 M.Phil and published 15 books.

He was also the organizing secretary of 10 National Seminars, 1 National Conference and 3 International Conferences. In addition, he has delivered 80 plus invited lectures at the UGC HRDC and keynote addresses in Economics in National, International conferences and radio talks. His research contributions are also outstanding. Under his guidance, eleven students got their Ph.D. degrees. 31 M.Phil graduates and many PG students have completed their projects under his guidance. At present, 7 Ph.D Scholars and one post-doctoral fellow are working under him.

He has published 15 books, 34 research papers and reviews in national and international journals of repute. His academic contributions involve membership and chairmanship of Board of Studies of various institutes. He was also recipient of "Best teacher award", "Best NSS Programme Officers Award", "Senior Economists award" and "Eminent Academician award". Besides he served as NAAC Coordinator, IQAC Coordinator and Dean of Academics and Research in the college.

Dr.P. KANNAN graduated from N.M.S.S.V.N. College, Nagamalai, Madurai and took his M.A, M.Phil., Ph.D. from Madurai Kamaraj University. He began his teaching profession from 2000 onwards. He has been serving for more than two decades as Associate Professor, PG Department of Economics and Centre for Research in Economics, The Madura College, (Autonomous) Madurai.

He has been handling Classes from undergraduate to M.Phil levels with greater reliance on insight, lateral thinking inspiration and sagacity. He has organized and participated in quite a few number of National, State level and Regional Seminars, Workshop and Conferences and has contributed articles in research journals of repute. His academic contributions exemplify his ability towards carrying out high quality teaching, research and extension work with focuses understanding, sanctity of thought and liveliness. Being a Research Guide he produced 13 M.Phil candidates. He is effectively affianced with all the college curricular and co-curricular activities.



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