



New Book Announcement

Sustainable Micro Irrigation

Principles and Practices

Research Advances in Sustainable Micro Irrigation, Volume 1

Senior Editor-in-Chief: Megh R. Goyal, PhD, PE

Retired Professor in Agricultural and Biomedical Engineering, University of Puerto Rico, Mayaguez Campus; Ser Acquisitions Editor, Biomedical Engineering and Agricultural Science, Apple Academic Press, Inc.

This new book, *Sustainable Micro Irrigation: Principles and Practices*, is the first in the new series on micro irrigation, which offers a vast amount of knowledge and techniques necessary to develop and manage a drip/trickle or micro irrigation system. Written by experienced scientists from various parts of the world, the chapters in this book offer basic principles, knowledge, and techniques of micro irrigation management, which are essential in designing, developing, and evaluating an agricultural irrigation management system. The methods and techniques have worldwide applicability to irrigation management in agriculture.

The book includes coverage of many important topics in the field, including:

- an historical review of micro irrigation
- the current global status of the field and its potential
- basic principles and applications
- new research on chemigation and fertigation
- technologies for specific crops, such as sugar cane
- irrigation software for micro irrigation design
- affordable and low-cost micro irrigation solutions for small farms and farms in developing countries
- micro irrigation design using Hydrocalc software

Information provided here can be easily applied to other locations that may not be covered in the book. This book is a must for those interested in irrigation planning and management, namely, researchers, scientists, educators, and students.

Books in the Research Advances in Sustainable Micro Irrigation series:

Senior Editor-in-Chief: *Megh R. Goyal, PhD, PE*

Volume 1: *Sustainable Micro Irrigation: Principles and Practices*

Volume 2: *Sustainable Practices in Surface and Subsurface Micro Irrigation*

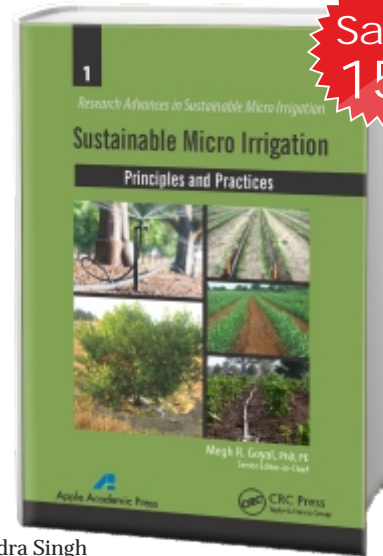
Volume 3: *Sustainable Micro Irrigation Management for Trees and Vines*

Volume 4: *Management, Performance, and Applications of Micro Irrigation Systems*

Volume 5: *Applications of Furrow and Micro Irrigation in Arid and Semi-Arid Regions*

Volume 6: *Management Practices for Drip Irrigated Crop*

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CONTENTS

Foreword by Gajendra Singh

Foreword by Miguel Muñoz Muñoz

Foreword by Marvin J Jensen

Preface

Part I – Status and Potential of Micro Irrigation

Chapter 1: Pressurized Irrigation Technology: Global Scenario
S. A. Kulkarni, F. B. Reinders, and F. Ligetvari

Chapter 2: Micro Irrigation Technology: Global Scenario
Felix B. Reinders

Chapter 3: Affordable Micro irrigation for Small Farms
Jack Keller and Andrew A. Keller

Chapter 4: Micro Irrigation Potential in the Developing Countries
Tushaar Shah and Jack Keller

Chapter 5: Low-Cost Microirrigation in Kenya
Jack Keller

Chapter 6: Micro Irrigation Potential in India
R. K. Sivanappan

Chapter 7: Advanced Technologies for Sugarcane Cultivation under Micro Irrigation: Tamil Nadu
R. K. Sivanappan

Chapter 8: Design and Management of Irrigation Systems: Chile
Eduardo A. Holzapfel, Alejandro Pannunzio, Ignacio Lorite, Aureo S. Silva de Oliveira, and István Farkas

Chapter 9: Subsurface Micro Irrigation: Review
Leonor Rodriguez-Sinobas and Maria Gil-Rodriguez

Part II – Principles of Micro Irrigation

Chapter 10: Modernization of Floating Pumping Station for Irrigation
Rares Halbac-Cotoara-Zamfir and Alina Gabor

Chapter 11: Principles of Micro Irrigation
Megh R. Goyal

Chapter 12: Chemigation
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Principles and Practices

Chapter 13: Fertigation: Venturi Injection Method
Mukesh Kumar, T. B. S. Rajput, and Neelam Patel

Chapter 14: Chemigation Uniformity in Micro Irrigation System
Larry Schwankl

Chapter 15: Micro Irrigation: Filtration Systems
Megh R. Goyal

Chapter 16: Micro Irrigation Design using Hydrocalc Software
Rares Halbac-Cotoara-Zamfir and Emanuel Hategan

Glossary

Appendixes

Index

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Dr. Megh R. Goyal received a BSc degree in engineering in 1971, MSc degree in 1977, PhD degree in 1979, and Master of Divinity degree in 2001. He spent a one-year sabbatical leave in 2002–03 at the Biomedical Engineering Department of Florida International University, Miami, USA. Since 1971, he has worked as Lecturer/Research Assistant at Haryana Agricultural University and the Ohio State University, and Professor–cum Research Agricultural Engineer at Agricultural Experiment Station of the University of Puerto Rico, Mayaguez campus. At present, he is a retired professor in agricultural and biomedical engineering in the College of Engineering at University of Puerto Rico. He is also Senior Acquisitions Editor for Apple Academic Press, Inc., in the areas of agricultural science and biomedical engineering, as well as Senior Editor-in-Chief of the book series *Advances in Bioengineering Research and Applications*, published by AAP. He has authored more than 200 articles in technical journals and textbooks, including *Elements of Agroclimatology* (Spanish) by UNISARC; Colombia, two bibliographies on drip irrigation; the books *Biofluid Dynamics of Human Body*, *Management of Drip/Trickle or Micro Irrigation*, *Evapotranspiration: Principles and Applications for Water Management*, and *Biomechanics of Artificial Organs and Prostheses*; as well as the three volume series on Research Advances on Sustainable Micro Irrigation. Readers may contact him at goyalmegh@gmail.com

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