

Modeling Methods and Practices in Soil and Water Engineering

Editors: Balram Panigrahi, PhD,
and Megh R. Goyal, PhD, PE

Mathematical models are increasingly used to analyze quantity and quality of stream flow, groundwater and soil water, and water resources management. Their application in the field of soil and water engineering has expanded the horizon of innovative research. This book discusses the development of useful models and their applications in soil and water engineering.

442 pages with index. ISBN: 978-1-77188-326-9. CAT#: N11608
\$159.95 US. May 2016.

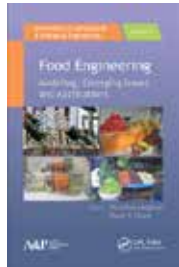


Food Engineering Emerging Issues, Modeling, and Applications

Editors: Murlidhar Meghwal, PhD,
and Megh R. Goyal, PhD

Presents a selection of recent advances in food process engineering from several disciplines. The book addresses modeling in food engineering • research advances in food engineering • role of food engineering in human health • emerging issues and applications in food engineering.

Approx. 350 pages with index. ISBN: 978-1-77188-368-9. CAT#: N11658
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About the Series Editor

Megh R. Goyal, PhD, PE, is a Retired Professor in Agricultural and Biomedical Engineering from the General Engineering Department in the College of Engineering at University of Puerto Rico–Mayaguez Campus; and Senior Acquisitions Editor and Senior Technical Editor-in-Chief in Agriculture and Biomedical Engineering for Apple Academic Press Inc. He received his BSc degree in engineering in 1971 from Punjab Agricultural University, Ludhiana, India; his MSc degree in 1977 and PhD degree in 1979 from the Ohio State University, Columbus; and his Master of Divinity degree in 2001 from Puerto Rico Evangelical Seminary, Hato Rey, Puerto Rico, USA. He spent one-year sabbatical leave in 2002–2003 at the Biomedical Engineering Department at Florida International University in Miami, Florida, USA. Since 1971, he has worked as Soil Conservation Inspector (1971); Research Assistant at Haryana Agricultural University (1972–75) and Ohio State University (1975–79); Research Agricultural Engineer/Professor at the Department of Agricultural Engineering of UPRM (1979–1997); and Professor in Agricultural and Biomedical Engineering in the General Engineering Department of UPRM (1997–2012).

He was first agricultural engineer to receive the professional license in Agricultural Engineering in 1986 from College of Engineers and Surveyors of Puerto Rico. On September 16, 2005, he was proclaimed as “Father of Irrigation Engineering in Puerto Rico for the twentieth century” by the ASABE, Puerto Rico Section, for his pioneer work on micro irrigation, evapotranspiration, agroclimatology, and soil and water engineering. During his professional career of 45 years, he has received awards such as Scientist of the Year, Blue Ribbon Extension Award, Research Paper Award, Nolan Mitchell Young Extension Worker Award, Agricultural Engineer of the Year, Citations by Mayors of Juana Diaz and Ponce, Membership Grand Prize for ASAE Campaign, Felix Castro Rodriguez Academic Excellence, Rashtrya Ratan Award and Bharat Excellence Award and Gold Medal, Domingo Marrero Navarro Prize, Adopted Son of Moca, Irrigation Protagonist of UPRM, and Man of Drip Irrigation by Mayor of Municipalities of Mayaguez/Caguas/Ponce and Senate/Secretary of Agriculture of ELA, Puerto Rico.

He has authored more than 200 journal articles and textbooks, including Elements of Agroclimatology (Spanish) by UNISARC, Colombia, and two Bibliographies on Drip Irrigation. Apple Academic Press Inc. (AAP) has published his books, namely *Management of Drip/Trickle or Micro Irrigation, Evapotranspiration: Principles and Applications for Water Management, Sustainable Micro Irrigation Design Systems for Agricultural Crops: Practices and Theory*, and others.

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Editor: Megh R Goyal, PhD, PE

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Editors: Murlidhar Meghwal, PhD, Megh R. Goyal, PhD, PE, and Rupesh S. Chavan, PhD

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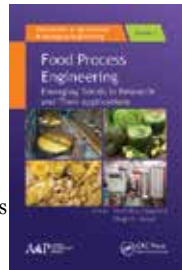


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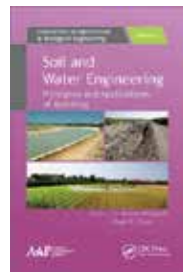


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Editors: Balram Panigrahi, PhD, and Megh R. Goyal, PhD, PE

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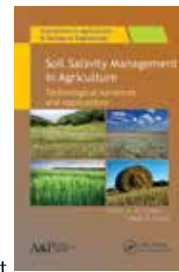


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Editors: S. K. Gupta, PhD, CE, and Megh R. Goyal, PhD, PE

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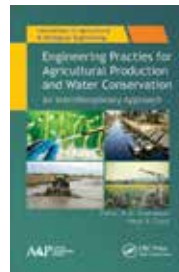


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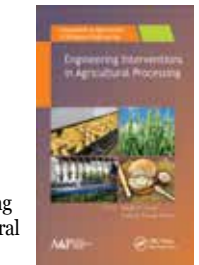


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Editors: Megh R. Goyal, PhD, PE, and Deepak Kumar Verma

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