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- 1) SQL for Data Analytics
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- 3) Anaerobic Waste-Wastewater Treatment and Biogas Plants: A Practical Handbook
- 4) Air Pollution Control Technology Handbook
- 5) The Creative Thinking Handbook: Your Step-By-Step Guide To Problem Solving In Business
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- 10) The Science of Environmental Pollution
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- 12) Wastewater Engineering: Treatment and Reuse, Fifth Edition (Vol. 1 & Vol. 2)



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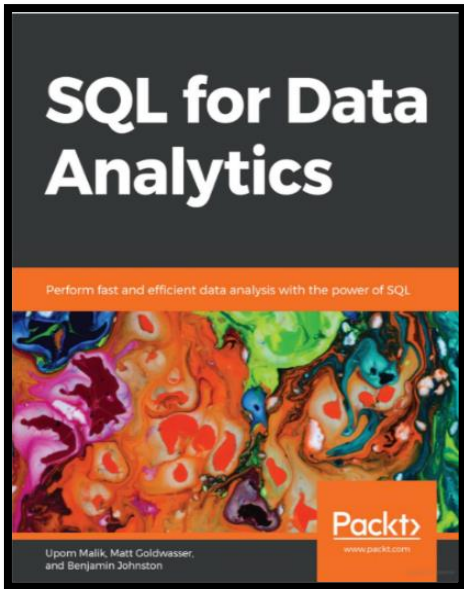


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TAJUK : SQL for Data Analytics ; Perform fast and efficient data analysis with the power of SQL
PENGARANG : edited by Upom Malik, Matt Goldwasser, Benjamin Johnston

ABSTRAK : Understanding and finding patterns in data has become one of the most important ways to improve business decisions. If you know the basics of SQL, but don't know how to use it to gain business insights from data, this book is for you.

SQL for Data Analytics covers everything you need progress from simply knowing basic SQL to telling stories and identifying trends in data. You'll be able to start exploring your data by identifying patterns and unlocking deeper insights. You'll also gain experience working with different types of data in SQL, including time-series, geospatial, and text data. Finally, you'll understand how to become productive with SQL with the help of profiling and automation to gain insights faster.



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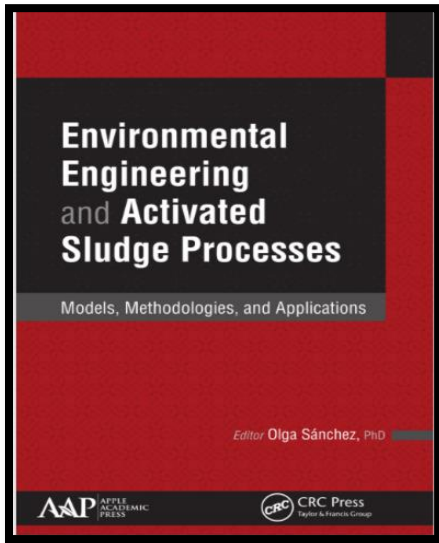


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**TAJUK** : Environmental Engineering and Activated Sludge Processes**PENGARANG** : edited by Olga Sanchez, PhD

ABSTRAK : The activated sludge process is one of the most versatile and commonly used wastewater treatment systems in the world. In the past, biological wastewater treatment based in activated sludge focused on removing organic matter and suspended soils, but nowadays wastewater treatment plants need additional requirements and technology to eliminate toxic metals, odors, nutrients and pathogens. This shift means environmental engineers must build new treatment plants and retrofit old ones to optimize the waste removal processes. In this compendium, the editor, an experienced and well-published scientist in the field, has brought together articles that relate to the new requirements, organized under these topic headings: models and kinetics

- process microbiology as it relates to the diversity of activated sludge
- nitrogen and phosphorous removal
- methane production
- biofilm bioreactors

The contributors present case studies and research from eleven different countries around the world, offering a truly global and international perspective on this topic. The book is primarily intended for graduate and PhD students, but it will also be a valuable resource for environmental engineers, consultants, and other professionals who deal with activated sludge processes.



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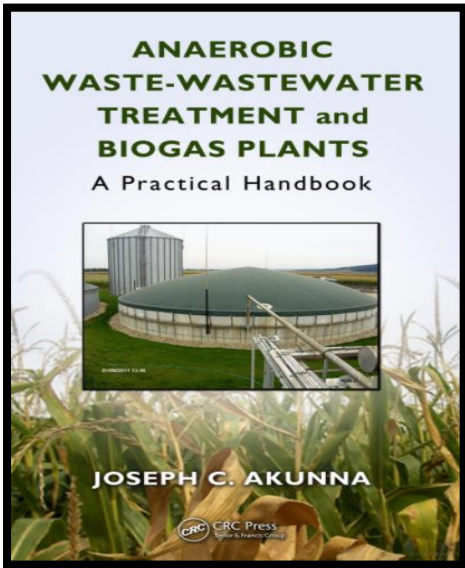


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TAJUK : Anaerobic Waste-Wastewater Treatment and Biogas Plants: A Practical Handbook

PENGARANG : Joseph Chukwuemeka Akunna

ABSTRAK : The book guides specialists and non-specialists from around the world on how or whether anaerobic processes can be part of solutions for the management of municipal and industrial solid, semi-solid, and liquid residues. The simple self-learning presentation style is designed to encourage deep understanding of the process principles, plant types and system configurations, performance capabilities, operational and maintenance requirements, post-treatment needs, and management options for coproducts without complex biochemical terminologies and equations.



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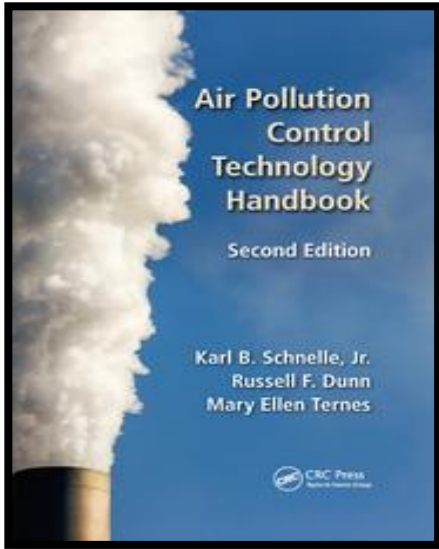


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TAJUK : Air Pollution Control Technology Handbook, 2nd Edition

PENGARANG : By Karl B. Schnelle, Jr., Russell F. Dunn, Mary Ellen Ternes

ABSTRAK : A detailed reference for the practicing engineer, Air Pollution Control Technology Handbook, Second Edition focuses on air pollution control systems and outlines the basic process engineering and cost estimation required for its design. Written by seasoned experts in the field, this book offers a fundamental understanding of the factors resulting in air pollution and covers the techniques and equations used for air pollution control.

Anyone with an engineering or science background can effectively select techniques for control, review alternative design methods and equipment proposals from vendors, and initiate cost studies of control equipment using this book. This second edition of a bestseller includes new methods for designing control equipment, enhanced material on air pollution science, updates on major advances in the field, and explains the importance of a strategy for identifying the most cost-effective design.

The book also covers:

- *New legislation and updates on air regulation
- *New advances in process integration design techniques
- *The atmospheric and health effects of air pollution



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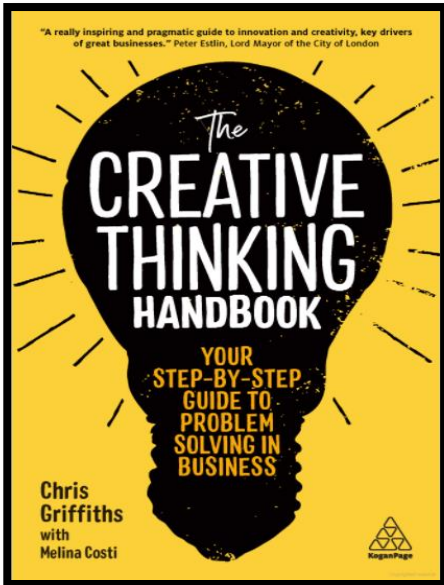


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TAJUK : The Creative Thinking Handbook: Your Step-by-Step Guide to Problem Solving in Business

PENGARANG : Chris Griffiths

ABSTRAK : The Creative Thinking Handbook argues that we need to identify and remove the 'box' around our thinking, so we can unlock unlimited streams of creativity for professional and business success. This book offers an integrated system of personalized insights, along with clear, practical tools and strategies - including the tried-and-trusted Solution Finder model.

The authors show you how to develop your creative problem-solving skills to make better decisions with an individualized step-by-step strategy. Based on long-term research and testing of the creative thinking process, The Creative Thinking Handbook helps you generate more ideas and find brilliant solutions for any professional challenge.



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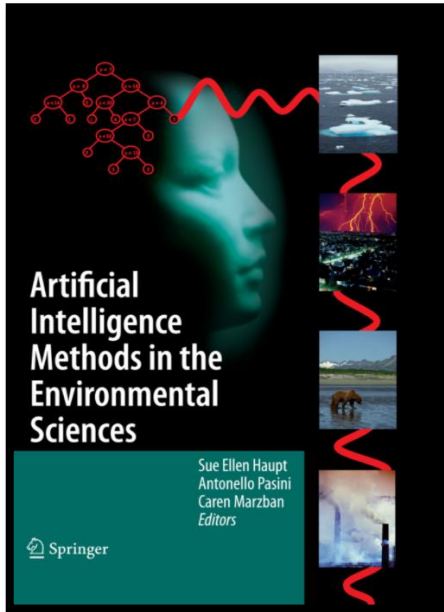


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**TAJUK** : Artificial Intelligence Methods in the Environmental Sciences**PENGARANG** : Sue Ellen Haupt

ABSTRAK : How can environmental scientists and engineers use the increasing amount of available data to enhance our understanding of planet Earth, its systems and processes? This book describes various potential approaches based on artificial intelligence (AI) techniques, including neural networks, decision trees, genetic algorithms and fuzzy logic.

Part I contains a series of tutorials describing the methods and the important considerations in applying them. In Part II, many practical examples illustrate the power of these techniques on actual environmental problems.

International experts bring to life ways to apply AI to problems in the environmental sciences. While one culture entwines ideas with a thread, another links them with a red line. Thus, a "red thread" ties the book together, weaving a tapestry that pictures the 'natural' data-driven AI methods in the light of the more traditional modeling techniques, and demonstrating the power of these data-based methods.



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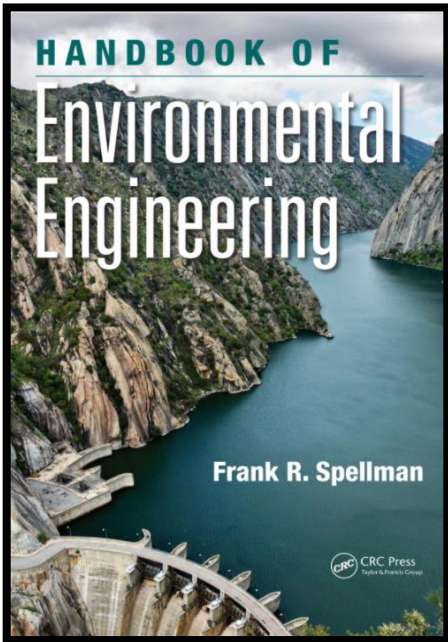


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TAJUK : Handbook of Environmental Engineering

PENGARANG : Frank R. Spellman

ABSTRAK : In his latest book, the handbook of Environmental Engineering, esteemed author Frank Spellman provides a practical view of pollution and its impact on the natural environment. Driven by the hope of sustainable future, he stresses the importance of environmental law and resource sustainability and offers a wealth of information based on real-world observations and his many years of expert experience. The book offers a basic overview of environmental pollution, emphasizes key terms, and addresses specific concepts in advanced algebra, fundamentals engineering, and statistics.



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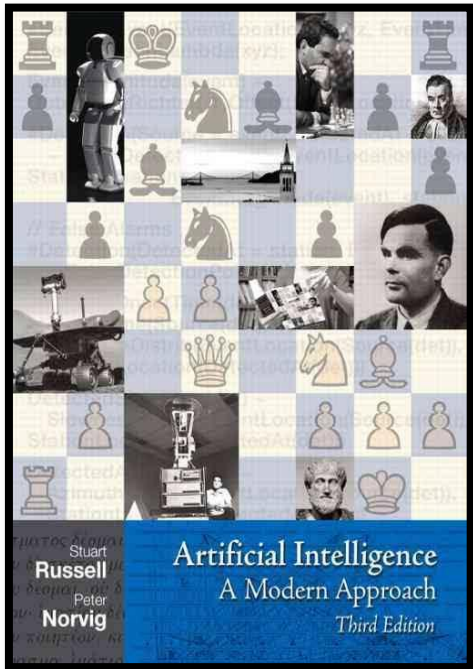


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TAJUK : Artificial Intelligence: A Modern Approach

PENGARANG : by Peter Norvig and Stuart J. Russell

ABSTRAK : The long-anticipated revision of this #1 selling book offers the most comprehensive, state of the art introduction to the theory and practice of artificial intelligence for modern applications. Intelligent Agents. Solving Problems by Searching. Informed Search Methods. Game Playing. Agents that Reason Logically. First-order Logic. Building a Knowledge Base. Inference in First-Order Logic. Logical Reasoning Systems. Practical Planning. Planning and Acting. Uncertainty. Probabilistic Reasoning Systems. Making Simple Decisions. Making Complex Decisions. Learning from Observations. Learning with Neural Networks. Reinforcement Learning. Knowledge in Learning. Agents that Communicate. Practical Communication in English. Perception. Robotics. For computer professionals, linguists, and cognitive scientists interested in artificial intelligence.



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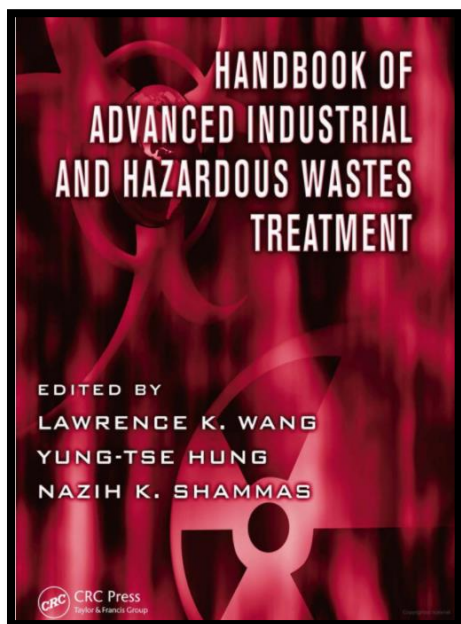


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TAJUK : Handbook of Advanced Industrial and Hazardous Wastes Treatment

PENGARANG : Edited By Lawrence K. Wang, Yung-Tse Hung, Nazih K. Shammam

ABSTRAK : Most industrial and hazardous waste management resources cover the major industries and provide conventional in-plant pollution control strategies. Until now however, no book or series of books has provided coverage that includes the latest developments in innovative and alternative environmental technology, design criteria, managerial decision methodologies, and regional and global environmental conservation. The new Handbook of Advanced Industrial and Hazardous Wastes Treatment—together with its predecessor, the Handbook of Industrial and Hazardous Wastes Treatment—forms a complete and up-to-date resource that contains all the necessary technical information on hazardous industrial waste treatment.

Providing in-depth coverage of treatment and management technologies in wide-ranging industries that readers simply won't find anywhere else, this cutting-edge text addresses wastes in areas including metal finishing, food processing, milk production, foundries, and chemical manufacturing. It covers basic and advanced principles and applications in contemporary hazardous and industrial waste treatment and explores new methods of clean production, waste minimization, and the treatment of landfills and underground storage tanks. Coverage includes the latest developments in legislation, regulations, soil remediation, brownfield site restoration, bioremediation, enzymatic processes, and much more.



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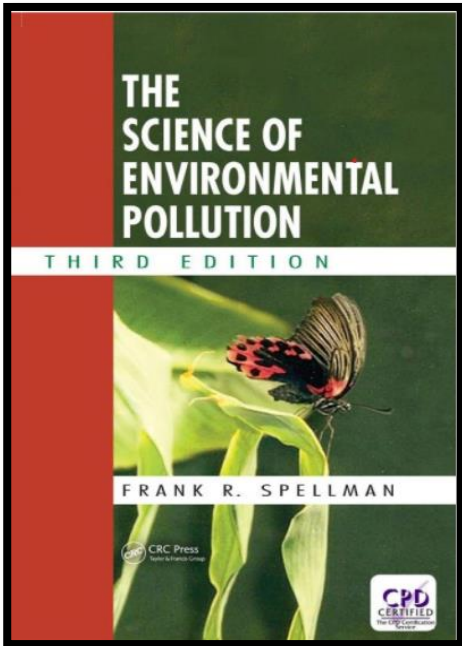


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**TAJUK** : The Science of Environmental Pollution**PENGARANG** : By Frank R. Spellman

ABSTRAK : This new edition of The Science of Environmental Pollution presents common-sense approaches and practical examples based on scientific principles, models, and observations, but keeps the text lively and understandable for scientists and non-scientists alike. It addresses the important questions regarding environmental pollution: What is it? What is its impact? What are the causes and how can we mitigate them? But more than this, it stimulates new ways to think about the issues and their possible solutions.

This third edition has been updated throughout, and contains new information on endocrine disruptors in drinking water, contaminated sediments in surface waters, hydraulic fracturing wastewater, and more. Also, it will include new case studies, examples, and study questions.

Environmental issues continue to attract attention at all levels. Some sources say that pollution is the direct cause of climate change; others deny that the possibility even exists. This text sorts through the hyperbole, providing concepts and guidelines that not only aid in understanding the issues, but equip readers with the scientific rationale required to make informed decisions.



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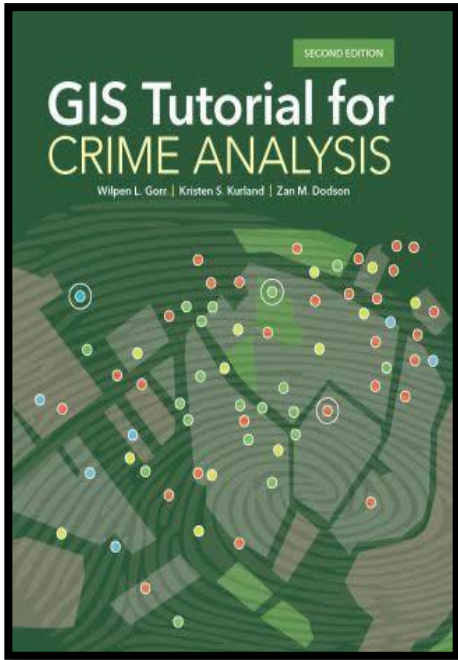


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**TAJUK** : GIS Tutorial for Crime Analysis**PENGARANG** : by Kristen Seamens Kurland, Wilpen L. Gorr, and Zan M. Dodson

ABSTRAK : GIS Tutorial for Crime Analysis, second edition, is a workbook for crime analysts and students of criminology. The book presents state-of-the-art methods that can be incorporated into any police department's standard practices. This second edition builds upon the first edition by updating tutorials, adding a new chapter on building and evaluating models using Model Builder and ArcGIS's hot spot analysis tools, and adding a capstone project on hot spot modeling.

In contrast to GIS workbooks that teach skills for one-time projects, this book has users build and use a crime mapping and analysis system to meet all spatial information needs of a police department. The book combines introductions to GIS and crime analysis methods and step-by-step tutorial exercises with independent assignments to teach key GIS skills, including data preparation and updating, map template building, map queries and analysis, automation of map production, and modeling skills. The book also includes a 180-day trial version of ArcGIS Desktop software and tutorial data. Instructor resources are available upon request.



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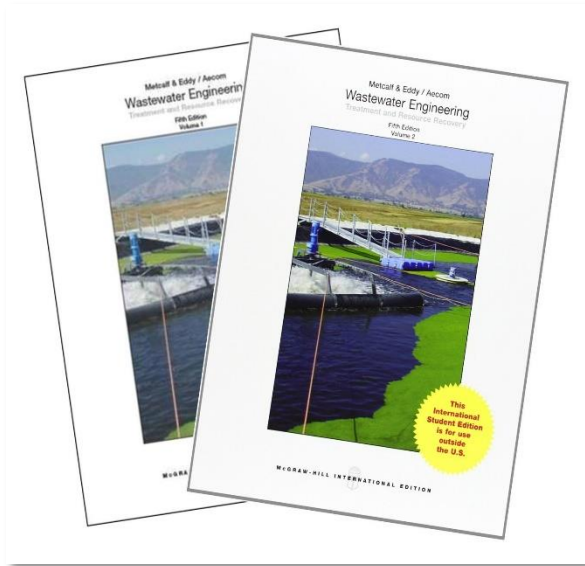


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TAJUK : Wastewater Engineering: Treatment and Reuse, Fifth Edition (Vol. 1 & 2)

PENGARANG : Metcalf & Eddy / Aecom

ABSTRAK : Wastewater Engineering: Treatment and Reuse, 5/e is a thorough update of McGraw-Hill's authoritative book on wastewater treatment. No environmental engineering professional or civil or and environmental engineering major should be without a copy of this book- it describes the technological and regulatory changes that have occurred over the last ten years in this discipline, including: improved techniques for the characterization of wastewaters; improved fundamental understanding of many of the existing unit operations and processes used for wastewater treatment, especially those processes used for the biological removal of nutrients; greater implementation of several newer treatment technologies (e.g., UV disinfection, membrane filtration, and heat drying); greater concern for the long term health and environmental impacts of wastewater constituents; greater emphasis on advanced wastewater treatment and risk assessment for water reuse applications; changes in regulations and the development of new technologies for wastewater disinfection; and new regulations governing the treatment, reuse, and disposal of sludge (biosolids). Greater concern for infrastructure renewal including upgrading the design and performance of wastewater treatment plants.

This revision contains a strong focus on advanced wastewater treatment technologies and stresses the reuse aspects of wastewater and biosolids.



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