



# Applied Manure and Nutrient Chemistry for Sustainable Agriculture and Environment [

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Springer

Life sciences Agriculture Soil science Soil conservation Waste management Sustainable development Life Sciences Life Sciences, general Agriculture Sustainable Development Waste Management/Waste Technology Soil Science & Conservation

Monografía

Intensive high-yield agriculture today is typically dependent on addition of fertilizers (synthetic chemicals, animal manure, etc.). Increased knowledge on animal manure management and plant nutrient chemistry is required for improving utilization efficiency and minimizing losses of both inorganic and organic sources. Contributed by over 30 insightful senior researchers and innovative junior investigators, 17 chapters in this book highlight recent research advances in applied nutrient chemistry geared toward sustainable agriculture and environment, and outlook emerging researchable issues on alternative utilization and environmental monitoring of manure and other byproducts that may stimulate new research ideas and direction in the relevant fields. Chapter topics of interest include, but are not limited, to speciation, quantification, and interactions of various plant nutrients and relevant contributories in manure, soil, and plants. Covering issue-oriented comprehensive reviews and problem-solving-driven case studies, this book will serve as a valuable reference source for university faculty, graduate students, extension specialists, animal and soil scientists, agricultural engineers and other technical service providers, and government regulators who work and deal with various aspects of animal manure and plant nutrient management

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**Título:** Applied Manure and Nutrient Chemistry for Sustainable Agriculture and Environment Recurso electrónico] edited by Zhongqi He, Hailin Zhang

**Editorial:** New York [etc.] Springer

**Descripción física:** X, 379 p. 107 il., 38 il. in color

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**Detalles del sistema:** Modo de acceso: World Wide Web

**Fuente de adquisición directa:** Springer (e-Books)

**ISBN:** 9789401788076 9789401788069

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