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Titolo	Sustainable Agrochemistry : A Compendium of Technologies // edited by Sílvio Vaz Jr
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-17891-9
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (393 pages) : illustrations
Disciplina	660
Soggetti	Green chemistry Waste management Agriculture Soil science Soil conservation Environmental monitoring Green Chemistry Waste Management/Waste Technology Soil Science & Conservation Monitoring/Environmental Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction to Sustainable Agrochemistry -- Green Chemistry and Agriculture -- Semiochemicals for Integrated Pest Management -- Nanotechnology for Controlled Release and Formulation -- Fertilizers from Renewable Resources -- Spectroscopic Techniques for Crop Monitoring -- Humic Substances for Soils Improvement -- Synthesis of New Agrochemicals -- Toxicological Aspects of Agrochemicals -- Natural Pesticides for Crop Protection Chemistry -- Ecological Risk Assessment -- Management of Agrochemicals Residues in Water -- Glossary.
Sommario/riassunto	This book presents a broad range of technologies for sustainable agrochemistry, e.g. semiochemicals for pest management, nanotechnology for release of eco-friendly agrochemicals, and green

chemistry principles for agriculture. It provides a concise introduction to sustainable agrochemistry for a professional audience, and highlights the main scientific and technological approaches that can be applied to modern agrochemistry. It also discusses various available technologies for reducing the negative impacts of agrochemicals on the environment and human health.

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