

Integrative Biological Control [Ecostacking for Enhanced Ecosystem Services /

Gao, Yulin., editor. edt. http://id.loc.gov/vocabulary/relators/edt Hokkanen, Heikki M. T., editor. edt. http://id.loc.gov/vocabulary/relators/edt Menzler-Hokkanen, Ingeborg., editor. edt. http://id.loc.gov/vocabulary/relators/edt

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Monografía

This book is the first to integrate biological control into a conceptual framework – ecostacking - uniting all aspects of biological control and ecosystem services. In 2018 the "First International Congress of Biological Control" was organised and held in Beijing, China. The chapters highlight some of the achievements presented at the congress, worldwide. Of particular significance are the numerous contributions by Chinese researchers illustrating the remarkable progress made on developing and adopting multiple biological control strategies over vast agricultural areas, largely replacing chemical pesticides for sustainable agricultural and horticultural production. In many parts of the world including Europe, fragmented research based on short-term funding has been unable to answer to the needs to develop sustainable long-term solutions to crop protection, while colleagues in China have been successful in implementing programs that exemplify the power of the ecostacking approach. Key contributions by European and US specialists combined with the expertise and experiences by the Chinese contributors comprise the building blocks for the integration of biological control approaches into the overall frame of ecostacking. This book will lead the way to a broader, integrated adoption of biological control techniques in sustainable pest, disease and weed management supporting also the functioning of other key ecosystem services. Chapter 2 of this book is available open access under a CC BY 4.0 license at link.springer.com

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Autores: Gao, Yulin., editor. edt. http://id.loc.gov/vocabulary/relators/edt Hokkanen, Heikki M. T., editor. edt. http://id.loc.gov/vocabulary/relators/edt Menzler-Hokkanen, Ingeborg., editor. edt. http://id.loc.gov/vocabulary/relators/edt

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Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es