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Titolo	Sustainability Appraisal: Quantitative Methods and Mathematical Techniques for Environmental Performance Evaluation // edited by Marina G Erechtkhoukova, Peter A Khaiteer, Paulina Golinska
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Descrizione fisica	1 online resource (256 p.)
Collana	EcoProduction, Environmental Issues in Logistics and Manufacturing, , 2193-4614
Disciplina	658.408
Soggetti	Environmental engineering Biotechnology Sustainable development Environmental economics Environmental Engineering/Biotechnology Sustainable Development Environmental Economics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Sustainability indicators: development and application -- Formal methods for organization's environmental performance evaluation -- Sustainable resource management -- Environmental monitoring for sustainability assessment -- Quantitative methods and models for environmental assessment -- Eco-efficiency and business opportunities for sustainable performance -- Environmental-economic accounting.
Sommario/riassunto	One of the most important issues in developing sustainable management strategies and incorporating ecodesigns in production, manufacturing and operations management is the assessment of the sustainability of business operations and organizations' overall environmental performance. The book presents the results of recent studies on sustainability assessment. It provides a solid reference for researchers in academia and industrial practitioners on the state-of-

the-art in sustainability appraisal including the development and application of sustainability indices, quantitative methods, models and frameworks for the evaluation of current and future welfare outcomes, recommendations on data collection and processing for the evaluation of organizations' environmental performance, and eco-efficiency approaches leading to business process re-engineering.
