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| Nota di contenuto | Frontmatter -- Contents -- List of contributing authors -- 1. Incorporating green chemistry into education / Benvenuto, Mark -- 2. The quadruple bottom line: the advantages of incorporating Green Chemistry into the undergraduate chemistry major / Bodner, George M. -- 3. Green chemistry education in the Middle East / Kolopajlo, Larry -- 4. Virtually going green: The role of quantum computational chemistry in reducing pollution and toxicity in chemistry / Stevens, Jonathan -- 5. Educational benefits of green chemistry / Desmond, Serenity / Ray, Christian / Martínez, José G. Andino -- 6. Green analytical chemistry - the use of surfactants as a replacement of organic solvents in spectroscopy / Pharr, Daniel Y. -- 7. Biofuels, fossil energy ratio, and the future of energy production / Consiglio, David -- 8. Growing your green chemistry mindset / Kosmas, Steven -- Index |
| Sommario/riassunto | The "greening" of industry processes - i.e., making them more sustainable - is a popular and often lucrative trend which has seen increased attention in recent years. Green Chemical Processes, the 2nd volume of Green Chemical Processing, covers the hot topic of sustainability in chemistry with a view to education, as well as |

considering corporate and environmental interests, e.g. in the context of energy production. The diverse team of authors allows for a balance between these different, but interconnected perspectives. The American Chemical Society's 12 Principles of Green Chemistry are woven throughout this text as well as the series to which this book belongs.
