



# Assessing and Measuring Environmental Impact and Sustainability

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*Assessing and Measuring Environmental Impact and Sustainability* answers the question “what are the available methodologies to assess the environmental sustainability of a product, system or process?” Multiple well-known authors share their expertise in order to give a broad perspective of this issue from a chemical and environmental engineering perspective. This mathematical, quantitative book includes many case studies to assist with the practical application of environmental and sustainability methods. Readers learn how to efficiently assess and use these methods.

This book summarizes all relevant environmental methodologies to assess the sustainability of a product and tools, in order to develop more green products or processes. With life cycle assessment as its main methodology, this book speaks to engineers interested in environmental impact and sustainability.

- Helps engineers to assess, evaluate, and measure sustainability in industry
- Provides workable approaches to environmental and sustainability assessment
- Readers learn tools to assess the sustainability of a process or product and to design it in an environmentally friendly way

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## **Editorial Review**

### **Review**

"...offers a comprehensive review of the current state of the assessment and measurement of sustainability and provides valuable source material and recommended applications software to design engineers seeking sustainable solutions. Rating: 4 Stars out of 5" --**TCE**

### **From the Back Cover**

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Prof. Klemes' book summarizes all relevant environmental methodologies to assess the sustainability of a product and tools, in order to develop more 'green' products or processes. The main methodology that is explored is life cycle assessment. This book is a key resource for any engineer interested in environmental impact and sustainability

### **About the Author**

The Head of the Centre for Process Integration and Intensification at the University of Pannonia, Hungary; Chairperson of the CAPE Working Party of the European Federation of Chemical Engineering; The President of PRES and ESCAPE 24 Conference. The Subject Editor of the Journal of Cleaner Production (Elsevier), and Regional Editor of Applied Thermal Engineering (Elsevier) and Cleaner Technologies and Environmental Policy (Springer).

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#### **Gerard Williams:**

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