Part I Sustainability Education and Training

Achieving Resiliency Through Sustainable Literacy ......................... 3
Vijaya Deshmukh

Learning and Teaching for a Sustainable Future ............................ 15
Karola Braun-Wanke

Training Sustainability Change Agents: Lessons from
International Water Education .................................................. 31
Ellen Pfeiffer, Uta Wehn, Lakshmi Charli-Joseph, Amy M. Lerner
and Kenneth Irvine

Awareness and Attitudes Towards Sustainable Development
Amongst Higher Education Students in Penang, Malaysia ............... 49
Maurice I. Wee, Fatin Nabilla Ariffin, Theam Foo Ng
and Ahmad Firdaus Ahmad Shabudin

Interdisciplinary Teamwork on Sustainable Development—The Top
Ten Strategies Based on Experience of Student Initiated Projects ...... 65
Mirjam Braßler and Miriam Block

The Will and the Skill in Education for Sustainability ................... 79
Dilys Williams and Katelyn Toth-Fejel

Space for Interdisciplinary Collaboration: One Mode of Achieving
Social Sustainability at Universities ........................................ 95
Kristina Careva and Bojan Baletic

Overcoming Traditional Boundaries in Advancing Education
for Sustainable Development .................................................. 111
Tanya Dahms, Dena W. McMartin and Roger A. Petry

Crafting Pedagogical Pathways that Disrupt and Transform
Anthropocentric Mindsets of Higher Education Students ............ 125
Tanja Tillmanns and Charlotte Holland
## Rethinking Thinking About Sustainable Development Curriculum
Christopher A. Haines

### Higher Education Strategic Planning for Sustainable Development: A Global Perspective
Zena Harris, Holly Moynahan, Heather Vickery, Heather Henriksen, Eugenio Morello and Bernd Kasemir

### Establishing Science-Society Networks for Transdisciplinary Teaching in Higher Education: The Case of Albania and Kosovo
Jonas Meyer, Friedrich M. Zimmermann and Audrey O’Grady

### Sustainability Integration Approaches in Higher Education Institutions. A Case Study
M.O. Bernaldo and G. Fernández-Sánchez

### What Do We Imagine the Campuses of Tomorrow Will Be like? Universities’ Transition Toward Sustainability in the Light of the Transition Initiatives
Mª Ángeles Murga-Menoyo, Ángela Espinosa and María Novo

## Part II National, Regional and Local Initiatives

### Working for Sustainability Transformation in an Academic Environment: The Case of itdUPM
Carlos Mataix, Sara Romero, Javier Mazorra, Jaime Moreno, Xosé Ramil, Javier Carrasco, Leda Stott and Julio Lumbreras

### University of North Carolina at Chapel Hill Sustainability Plan—Embedding Sustainability into the DNA of the Campus
Cynthia Shea, Carol Hee, Amelia Aboff and Steve Baumgartner

### The Contribution of Brazilian Post-graduate Scholarships Abroad to the Environmental Sustainability of Higher Education Institutions
João Filipe Torres Soares, Laise Frizon, Ulisses Miranda Azeiteiro and Luciana Londero Brandli

### Sustainable Management for a Contaminated Area on Campus
Fernanda Bertaco Bueno, Wanda Maria Risso Günther and Arlindo Philippi Jr

### Education for Sustainable Development Through Policies and Strategies in the Public Portuguese Higher Education Institutions
C. Farinha, U.M. Azeiteiro and S. Caeiro
Three “Gs” for Campus Sustainability Development .......................... 291
Siarhei Zenchanka and Siarhei Malchenka

Is There a Place for Resilience Within Sustainable University Transition Management? .................................................. 303
Giulia Sonetti, Patrizia Lombardi and Lorenzo Chelleri

Definition and Frameworks on a Life-Cycle Negative Growth Rate for Energy and Carbon in an Academic Campus ............. 325
Somayeh Tabatabaee and Benjamin S. Weil

A Systems Approach to Sustainable Development Examination and Research in Russia .................................................. 341
Ken Sik To

Education for Sustainable Development and Belarusian Higher Education: When the State Dominates ............................ 355
Aliaksandr Novikau

Building Climate Change Resilience in East African University Campuses .......................................................... 367
Denise Galvin, Walter Leal Filho, Cristina Beans and Roberto Escarré

Higher Education and Sustainable Development: An Exploratory Study of Indian Management Institutions ..................... 389
Neetu Yadav and Vanita Yadav

Part III Engaging Different Stakeholders

Shahida Raﬁque

UN Decade of Education for Sustainable Development: Perceptions of Higher Education Institution’s Stakeholders .......... 417
Ana Marta Aleixo, Ulisses Miranda Azeiteiro and Susana Leal

The Importance of Incentives and Grants for Green Buildings ....... 429
Erin A. Hopkins

Campus Living Lab Knowledgebase: A Tool for Designing the Future .......................................................... 441
Bojan Baletic, Rene Lisac and Roberto Vdovic

Urban Sustainability Profiling: A Case Study from Far North Queensland, Australia ................................................. 457
Colin J. Macgregor
Promoting Sustainability in Institutions of Higher Education—The Perspective of University Teachers ......................... 475
Violeta Orlovic Lovren

ShowHow: A Flexible, Structured Approach to Commit University Stakeholders to Sustainable Development ......................... 491
Leendert Verhoef, Luuk Graamans, Dean Gioutsos, Ad van Wijk, Jo Geraedts and Chris Hellinga

University of São Paulo: Sustainability Masterplan for Policies, Plans, Goals and Actions ...................................... 509
Marcelo de A. Romero and Roberta C. Kronka Mülfarth

Promoting a University Culture of Sustainability: The Role of Conscious Consumption ............................................. 531
Madhavi Venkatesan
Handbook of Theory and Practice of Sustainable Development in Higher Education
Volume 4
Leal Filho, W.; Azeiteiro, U.; Alves, F.; Molthan-Hill, P. (Eds.)
2017, X, 540 p. 89 illus., 70 illus. in color., Hardcover
ISBN: 978-3-319-47876-0