

# INTRODUCTION TO SUSTAINABLE DEVELOPMENT LEADERSHIP AND STRATEGIES IN HIGHER EDUCATION

**Edited by** Enakshi Sengupta,  
Patrick Blessinger and Taisir Subhi Yamin

INNOVATIONS IN HIGHER  
EDUCATION TEACHING AND LEARNING

**VOLUME 22**

INTRODUCTION TO SUSTAINABLE  
DEVELOPMENT LEADERSHIP  
AND STRATEGIES IN HIGHER  
EDUCATION

# INNOVATIONS IN HIGHER EDUCATION TEACHING AND LEARNING

Series Editor: Patrick Blessinger

## Previous Volumes

- Volume 1: Inquiry-based Learning for Faculty and Institutional Development: A Conceptual and Practical Resource for Educators – Edited by John M. Carfora and Patrick Blessinger
- Volume 2: Inquiry-based Learning for the Arts, Humanities, and Social Sciences: A Conceptual and Practical Resource for Educators – Edited by Patrick Blessinger and John M. Carfora
- Volume 3: Inquiry-based Learning for Multidisciplinary Programs: A Conceptual and Practical Resource for Educators – Edited by Patrick Blessinger and John M. Carfora
- Volume 4: Inquiry-based Learning for Science, Technology, Engineering, and Math (STEM) Programs: A Conceptual and Practical Resource for Educators – Edited by Patrick Blessinger and John M. Carfora
- Volume 5: University Partnerships for Community and School System Development – Edited by Barbara Cozza and Patrick Blessinger
- Volume 6: Emerging Directions in Doctoral Education – Edited by Patrick Blessinger and Denise Stockley
- Volume 7: University Partnerships for Academic Programs and Professional Development
- Volume 8: University Partnerships for International Development
- Volume 9: Engaging Dissonance
- Volume 10: University Partnerships for Pre-Service and Teacher Development
- Volume 11: Refugee Education: Integration and Acceptance of Refugees in Mainstream Society – Edited by Enakshi Sengupta and Patrick Blessinger
- Volume 12: Contexts for Diversity and Gender Identities in Higher Education: International Perspectives on Equity and Inclusion – Edited by Jaimie Hoffman, Patrick Blessinger and Mandla Makhanya
- Volume 13: Strategies, Policies, and Directions for Refugee Education – Edited by Enakshi Sengupta and Patrick Blessinger
- Volume 14: Perspectives on Diverse Student Identities in Higher Education – Edited by Patrick Blessinger
- Volume 15: Language, Teaching and Pedagogy for Refugee Education – Edited by Enakshi Sengupta and Patrick Blessinger
- Volume 16: Strategies for Fostering Inclusive Classrooms in Higher Education – Edited by Jaimie Hoffman, Patrick Blessinger and Mandla Makhanya
- Volume 17: Strategies for Facilitating Inclusive Campuses in Higher Education: International Perspectives on Equity and Inclusion – Edited by Jaimie Hoffman, Patrick Blessinger and Mandla Makhanya
- Volume 18: Integrating Sustainable Development into the Curriculum – Edited by Enakshi Sengupta, Patrick Blessinger and Taisir Subhi Yamin
- Volume 19: Teaching and Learning Strategies for Sustainable Development – Edited by Enakshi Sengupta, Patrick Blessinger and Taisir Subhi Yamin
- Volume 20: University Partnership for Sustainable Development – Edited by Enakshi Sengupta, Patrick Blessinger and Taisir Subhi Yamin
- Volume 21: Civil Society and Social Responsibility in Higher Education: International Perspectives on Curriculum and Teaching Development – Edited by Enakshi Sengupta, Patrick Blessinger and Craig Mahoney

INNOVATIONS IN HIGHER EDUCATION TEACHING AND  
LEARNING VOLUME 22

**INTRODUCTION TO SUSTAINABLE  
DEVELOPMENT LEADERSHIP AND  
STRATEGIES IN HIGHER EDUCATION**

EDITED BY

**ENAKSHI SENGUPTA**

*Centre for Advanced Research in Higher Education,  
New York, USA*

*International HETL Association, New York, USA*

**PATRICK BLESSINGER**

*St. John's University, New York, USA*

*International HETL Association, New York, USA*

**TAISIR SUBHI YAMIN**

*International Association of Educators for World Peace,  
Germany*

Created in partnership with the International Higher Education  
Teaching and Learning Association



**Higher Education  
Teaching & Learning**

<https://www.hetl.org/>



United Kingdom – North America – Japan  
India – Malaysia – China

Emerald Publishing Limited  
Howard House, Wagon Lane, Bingley BD16 1WA, UK

First edition 2020

Copyright © 2020 Emerald Publishing Limited.

**Reprints and permissions service**

Contact: [permissions@emeraldinsight.com](mailto:permissions@emeraldinsight.com)

No part of this book may be reproduced, stored in a retrieval system, transmitted in any form or by any means electronic, mechanical, photocopying, recording or otherwise without either the prior written permission of the publisher or a licence permitting restricted copying issued in the UK by The Copyright Licensing Agency and in the USA by The Copyright Clearance Center. Any opinions expressed in the chapters are those of the authors. Whilst Emerald makes every effort to ensure the quality and accuracy of its content, Emerald makes no representation implied or otherwise, as to the chapters' suitability and application and disclaims any warranties, express or implied, to their use.

**British Library Cataloguing in Publication Data**

A catalogue record for this book is available from the British Library

ISBN: 978-1-78973-648-9 (Print)

ISBN: 978-1-78973-647-2 (Online)

ISBN: 978-1-78973-649-6 (Epub)

ISSN: 2055-3641 (Series)



ISOQAR certified  
Management System,  
awarded to Emerald  
for adherence to  
Environmental  
standard  
ISO 14001:2004.

Certificate Number 1985  
ISO 14001



INVESTOR IN PEOPLE

# CONTENTS

*List of Contributors* vii

*Series Editors' Introduction* ix

## PART I PEDAGOGICAL APPROACHES

**Introduction to Sustainable Development Leadership and Strategies in Higher Education**  
*Enakshi Sengupta, Patrick Blessinger and Taisir Subhi Yamin* 3

**Chapter 1 The Teaching of Sustainability in Higher Education: Improving Environmental Resilience in Malaysia**  
*Glenda Crosling, Graeme Atherton, Munir Shuib, Asyirah Abdul Rahim, Siti Norbaya Azizan and Mohammad Izzamil Mohd Nasir* 17

**Chapter 2 Innovating Leadership Education: How Business Schools and Universities need to Innovate Sustainable Strategies in Leadership Education**  
*Anna-Vanadis Faix* 39

**Chapter 3 Sustainable Development of Leadership Strategies in Higher Education**  
*Sandra Mohr and Howard Purcell* 55

**Chapter 4 Moving Culture to the Center of the Curriculum: A Strategy for Regional Relevance and Organization Sustainability**  
*Cath Fraser, Philip Bright, Jack Keogh and Olayemi Abdullatif Aliyu* 67

**Chapter 5 Perceived Public Value, Community Building, and Sustainable Leadership Development in Agriculture: A Case Study of Capacity Building through the Nuffield International Farming Scholars Program**  
*Jean P. Lonie, Mark A. Brennan and Theodore R. Alter* 83

<b>Chapter 6 Learning for Uncertainty: Higher Education and Sustainability</b> <i>Abeer Salem</i>	101
 <b>PART II</b> <b>FRAMEWORK AND TOOLS</b>  	
<b>Chapter 7 The Development of an Education for Sustainable Development Self-evaluation Tool to Support Staff and Student Development</b> <i>Loretta Newman-Ford, Sophie Leslie and Sue Tangney</i>	117
<b>Chapter 8 Learning for a Sustainable Future: Developing Key Competencies</b> <i>Beena Giridharan</i>	135
<b>Chapter 9 The Role of Leadership in Education for Sustainable Development Curriculum Reform in Indonesian Higher Education</b> <i>Adriadi Novawan and Siti Aisyiyah</i>	145
<b>Chapter 10 Educational Leaders: The Value of Professional Development Schemes for Recognizing Influence in Learning and Teaching</b> <i>Julia Hope and Silvia Colaiacomo</i>	161
<b>Chapter 11 Corporate Governance and Sustainability in HEIs</b> <i>Róberson de Oliveira, João Leitão and Helena Alves</i>	177
 <i>About the Contributors</i>	 193
<i>Name Index</i>	203
<i>Subject Index</i>	211

# LIST OF CONTRIBUTORS

<i>Siti Aisyiyah</i>	Politeknik Negeri Jember, Indonesia
<i>Olayemi Abdullatif Aliyu</i>	Toi Ohomai Institute of Technology, New Zealand
<i>Theodore R. Alter</i>	The Pennsylvania State University, USA
<i>Helena Alves</i>	University of Beira Interior, Portugal
<i>Graeme Atherton</i>	AccessHE and the National Education Opportunities Network (NEON), UK
<i>Siti Norbaya Azizan</i>	Sunway University, Malaysia
<i>Patrick Blessinger</i>	International Higher Education Teaching and Learning, Association, USA
<i>Mark A. Brennan</i>	The Pennsylvania State University, USA
<i>Philip Bright</i>	Toi Ohomai Institute of Technology, New Zealand
<i>Silvia Colaiacomo</i>	Arena Centre for Research-based Education, UCL, UK
<i>Glenda Crosling</i>	Sunway University, Malaysia
<i>Anna-Vanadis Faix</i>	SIBE University, School of International Business and Entrepreneurship, Germany
<i>Cath Fraser</i>	Toi Ohomai Institute of Technology, New Zealand
<i>Beena Giridharan</i>	Curtin University, Malaysia
<i>Julia Hope</i>	University of Kent, UK
<i>Jack Keogh</i>	Toi Ohomai Institute of Technology, New Zealand
<i>João Leitão</i>	University of Beira Interior, Portugal
<i>Sophie Leslie</i>	Swansea University, UK
<i>Jean P. Lonie</i>	Paladin Agricultural Consulting Services, LLC, USA
<i>Sandra Mohr</i>	New England College of Optometry, USA
<i>Mohammad Izzamil Mohd Nasir</i>	Universiti Sains Malaysia, Malaysia

<i>Loretta Newman-Ford</i>	Cardiff University, UK
<i>Adriadi Novawan</i>	Politeknik Negeri Jember, Indonesia
<i>Róberson de Oliveira</i>	Instituto Federal Farroupilha, Brazil
<i>Howard Purcell</i>	New England College of Optometry, USA
<i>Asyirah Abdul Rahim</i>	Universiti Sains Malaysia, Malaysia
<i>Abeer Salem</i>	October University for the Modern Sciences and Arts, Egypt
<i>Enakshi Sengupta</i>	International Higher Education Teaching and Learning, Association, USA
<i>Munir Shuib</i>	IPPTN, Universiti Sains Malaysia, Malaysia
<i>Sue Tangney</i>	Cardiff Metropolitan University, UK
<i>Taisir Subhi Yamin</i>	International Centre for Innovation in Education, Germany

# **SERIES EDITORS' INTRODUCTION**

## **INNOVATIONS IN HIGHER EDUCATION TEACHING AND LEARNING**

The purpose of this series is to publish current research and scholarship on innovative teaching and learning practices in higher education. The series is developed around the premise that teaching and learning is more effective when instructors and students are actively and meaningfully engaged in the teaching–learning process.

The main objectives of this series are to:

- (1) present how innovative teaching and learning practices are being used in higher education institutions around the world across a wide variety of disciplines and countries;
- (2) present the latest models, theories, concepts, paradigms, and frameworks that educators should consider when adopting, implementing, assessing, and evaluating innovative teaching and learning practices; and
- (3) consider the implications of theory and practice on policy, strategy, and leadership.

This series will appeal to anyone in higher education who is involved in the teaching and learning process from any discipline, institutional type, or nationality. The volumes in this series will focus on a variety of authentic case studies and other empirical research that illustrates how educators from around the world are using innovative approaches to create more effective and meaningful learning environments.

Innovation teaching and learning is any approach, strategy, method, practice, or means that has been shown to improve, enhance, or transform the teaching–learning environment. Innovation involves doing things differently or in a novel way to improve outcomes. In short, innovation is positive change. With respect to teaching and learning, innovation is the implementation of new or improved educational practices that result in improved educational and learning outcomes. This innovation can be any positive change related to teaching, curriculum, assessment, technology, or other tools, programs, policies, or processes that leads to improved educational and learning outcomes. Innovation can occur in institutional development, program development, professional development, or learning development.

The volumes in this series will not only highlight the benefits and theoretical frameworks of such innovations through authentic case studies and other empirical research but also look at the challenges and contexts associated with implementing and assessing innovative teaching and learning practices. The volumes represent all disciplines from a wide range of national, cultural, and organizational contexts. The volumes in this series will explore a wide variety of teaching

and learning topics such as active learning, integrative learning, transformative learning, inquiry-based learning, problem-based learning, meaningful learning, blended learning, creative learning, experiential learning, lifelong and lifewide learning, global learning, learning assessment and analytics, student research, faculty and student learning communities, as well as other topics.

This series brings together distinguished scholars and educational practitioners from around the world to disseminate the latest knowledge on innovative teaching and learning scholarship and practices. The authors offer a range of disciplinary perspectives from different cultural contexts. This series provides a unique and valuable resource for instructors, administrators, and anyone interested in improving and transforming teaching and learning.

Patrick Blessinger  
*Founder, Executive Director, and Chief Research Scientist,  
International HETL Association*

Enakshi Sengupta  
*Associate Editor, International HETL Association*