

## Preface of the Series

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In the face of complex global challenges such as climate change, biodiversity loss, and resource depletion, the need for a new educational paradigm is more critical than ever. Traditional disciplinary approaches, while valuable, often fail to provide the integrated solutions necessary for addressing these interconnected issues. As the world becomes increasingly interconnected, a multidisciplinary approach to education is not just beneficial, but essential.

This book, "**Transforming Education with Multidisciplinarity**", explores the power of blending knowledge across various fields to create more holistic solutions to the world's most pressing problems. The chapters within this volume highlight the importance of integrating disciplines such as environmental science, geoscience, agriculture, policy, and engineering, demonstrating how this integration can lead to more effective and sustainable outcomes.

Each chapter presents innovative educational models that encourage systems thinking, promote sustainable behaviors, and equip learners with the critical skills needed for navigating complex environmental and societal challenges. From the Geo-Ecological Learning Framework (GELF) to the agriculture-Sustainability Integration Model (ASIM), this book provides practical and evidence-based approaches to transforming education and fostering the interdisciplinary collaboration required for sustainable development.

The work presented in this book underscores the value of place-based learning, experiential education, and collaborative problem-solving, offering new perspectives and methods to prepare future generations to become proactive contributors to the global sustainability agenda.

Through the integration of multiple disciplines, this book advocates for an education system that not only addresses environmental issues but also enhances the broader goals of sustainable development, social responsibility, and critical thinking. By embracing this multidisciplinary approach, we can empower individuals to make informed decisions and take meaningful actions in shaping a more sustainable and just future.