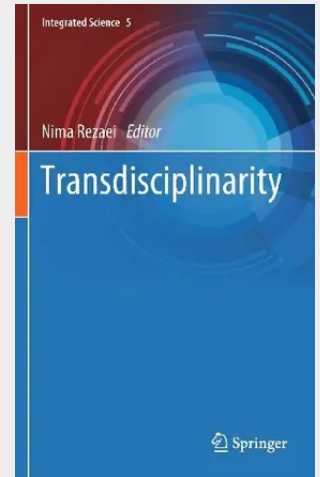


Transdisciplinarity

This contributed volume book aims at discussing transdisciplinary approaches to address common problems. By working transdisciplinarily, researchers coming from different disciplines can work jointly using a shared conceptual framework bringing together disciplinary-specific theories and concepts. There are numerous barriers that can obstruct effective communication between different cultures, communities, religions and geographies. This book shows that through bringing together different disciplines, researchers not only can surpass these barriers but can effectively produce new venues of thought that can positively affect the development and evolution of research and education. The book discusses new and emerging applications of knowledge produced by transdisciplinary efforts and covers the interplay of many disciplines, including agriculture, economics, mathematics, engineering, industry, information technology, marketing, nanoscience, neuroscience, space exploration, human-animal relationships, among others. Consequently, it also covers the relationship between art and science, as one of the most remarkable transdisciplinary approaches that paves the way for new methods in engineering, design, architecture and many other fields.

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