

# Preface

This special publication “**Innovation Towards Empathy in Architecture and Design**” covers diverse aspects of architecture and construction fields such as systemic-relational design, biocomposites, innovative lighting systems for smarter cities, potential solutions for addressing global warming and pollution, new trends in 3D printing for architecture, etc.

It also explores strategies from past and current architectural practices, along with anticipated future challenges.

This edition presents the results of scientific research within academic or professional projects of national and international significance, all aligned with an empathetic approach to architecture and design.

Much of the experimental work showcased, exploring ecological, aesthetic, and social dimensions, advocates for holistic thinking, emphasizing the importance of effective innovative processes.

This collection of contributions serves as a valuable source for researchers, architects, and engineers engaged in both theoretical and practical research within the realms of architectural and design innovation.

I extend my sincere gratitude to all the authors for their invaluable contributions, as well as to the reviewers for their comprehensive and timely evaluations of the papers. Additionally, I express my deep appreciation to the Trans Tech Publications publisher team for their support and collaboration which helped to bring this special issue to life.

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