

## EXTERNAL EDITORS' NOTE



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Architecture is an evolving dialogue between human ingenuity and the natural world. In this edition of Kalpa, we explore Bionicles, a theme that challenges us to rethink design—not as an isolated human endeavour, but as one deeply intertwined with nature’s intelligence.

Biomimicry, bionics, and parametricism are not just emerging methodologies; they represent a fundamental shift in how we approach architecture. Nature is not merely an aesthetic reference but a living blueprint, shaped by 3.8 billion years of adaptation and optimization. As architects, designers, and thinkers, we have the opportunity—and the responsibility—to learn from these processes to create built environments that are not only efficient and innovative but also regenerative and responsive.

This volume reflects that shift in architectural thought. Through student research, professional insights, and interdisciplinary inquiries, the discourse moves beyond ‘biomorphism’—where nature is merely imitated—toward a deeper biomimetic approach, where systems, structures, and efficiencies drawn from nature shape our design thinking. These contributions reaffirm that architecture must go beyond sustainability and embrace symbiosis, where human-made systems integrate seamlessly into the broader ecological framework.

As a biomimicry specialist, educator, and architect, collaborating with the students and faculty on this issue has been a deeply rewarding experience. Their curiosity, and ability to push boundaries are a testament to the power of design education that is rooted in exploration and innovation. My hope is that this edition of Kalpa serves as an invitation—to question, to experiment, and to engage with architecture not just as a profession, but as a means of restoring our place within the natural world.