

Preface

The overall aim of this Special Issue is to foster interdisciplinary research between the architecture and applied science. Many fields of science, especially microelectronics, genetic, nanotechnology and molecular engineering, represent a new frontier in architecture day by day. However, architects have thought about a better and sustainable environment and space quality in the future because sources of the world have become restricted and ecology has gained more and more importance. Therefore, architects who have been supported by researches in other scientific areas have developed alternative approaches for the future of architecture in cooperative work with scientists. When these approaches are evaluated, it can be claimed that cooperation between science and architecture could started a radical revolution. Architecture reaches a very different stage now. In this context, this Special Issue aims to evaluate the effects of scientific and technological developments on contemporary architecture and to question that how the architecture of future will be.

It's including: a general view to the literature about interdisciplinary approaches on genetic, nanotechnology and architecture (Didem Akyol Altun and Bora Örgülü), the effects of genetic biology on architecture in cooperation with digital media (Alberto T.Estévez), architectural form experience through mathematical principles and natural growth of the cell (Luisa Consiglieri and Victor Consiglieri), innovative healthcare facilities of the future (Cahryn Bang and Partners).

Thus, this special issue is of interest to both fundamental researchers and also to practicing architects and scientists as well as academicians and students. It is our hope that you, as readers, will find this Special Issue useful for your work. If so, this will be the nicest reward for us. I would like to thank all the authors for their contributions for this Special Issue.

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