



## Sustainable Building Environment

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### Message from the Guest Editor

The civil construction industry, which is responsible for the building environment, has a major impact on the social and economic development of a country. Meanwhile, the civil construction industry is considered one of the most polluting economies in existence and a major enemy of sustainable development. This negative scenario highlights the need for reforms in terms of work process methodology and demands the use of newly developed techniques and technologies. Due to the ever-increasing pressure from society and health organizations, sustainability becomes an especially important concern within the civil construction industry. The adoption of new concepts, such as BIM, energy-efficient buildings, lean and green construction, material reuse, life cycle assessment, etc., is growing as processes and technology evolve. The integration of these new concepts and technologies can help in the development of optimized solutions, which are more economic and reduce the negative impact this industry has in the environment.





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