

## **An Assessment of the Factors Affecting Green Building Technology (GBT) Adoption**

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**Abstract :** A construction and post construction activity in buildings contributes to environmental degradation, because of the generation of solid waste during construction to the production of carbon dioxide by the occupants during utilization. These problems were caused as a result of lack of adopting green building technology during and after construction. However, this study aims at conceptualizing the factors that are affecting the adoption of green building technology with a view to suggest better ways for its successful adoption in the construction industry through developing a green building technology model. Thus, the research findings show that: Economic, social, cultural, and technological progresses are the factors affecting Green Building Technology Adoption. Therefore, identifying these factors and developing the model might help in the successful adoption of green building technology.

**Keywords :** green building technology, construction, post construction, degradation

**Conference Title :** ICBEIM 2015 : International Conference on Business, Economics and Innovation Management

**Conference Location :** Jeddah, Saudi Arabia

**Conference Dates :** January 26-27, 2015