



**"GREEN BUILDING MATERIALS AND THEIR
APPLICATIONS IN GREEN ARCHITECTURE
TOWARDS SUSTAINABLE FUTURE" WITH SPECIAL
REFERENCE TO SRI LANKAN CONTEXT**

The dissertation was submitted to the department of architecture of the University of Moratuwa in a partial fulfillment of the requirements for the degree of Master of Science in Architecture

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Abstract

At the earth's population continues to explode and developing nations began to use their share of the world's resources, it is necessary to ascertain how we as a planet, use our earth's precious resources. In the world over one-third of this energy is consumed by buildings. This does not consider the amount of embodied energy use in the manufacture of the building materials or the finite resources used in the product composition. During construction or at the end of useful building life, construction materials and components are discarded with construction debris. Inappropriate use of building materials that emit chemicals can pollute the indoor environment contributing to poor indoor air quality. Green or environmentally friendly materials can help to create more sustainable health full and ecologically sensitive buildings. This is achieving through environmental material assessments and green building specifications. Most of the developed countries are using environmental material assessment systems and used Green materials for their architectural practice. In present situation it becomes one of the most concern issues for the developing countries. The contemporary architects should be more concerned and responded about that issue. The study goes through an analytical reception of the issue with respect to the Sri Lankan practice.

DECLARATION

I declare that this dissertation represent my own work, except where due acknowledgement is made and this has not been previously included in a thesis, dissertation or report or report submitted to this university or to any other institution for a degree, diploma or other qualification.

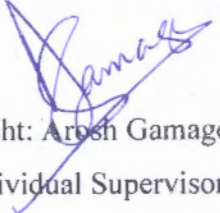
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