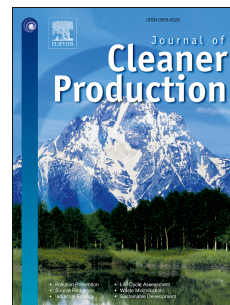


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A Comparative Analysis of Waste Management Requirements between Five Green Building Rating Systems for New Residential Buildings

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1 **A Comparative Analysis of Waste Management**
2 **Requirements between Five Green Building Rating Systems**
3 **for New Residential Buildings¹**

4
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14
15 **Abstract:**

16 The annual generation of construction waste is immense in both developed and
17 developing economies. The environmental impacts caused by disposal of this waste
18 stream are in multiple aspects, involving soil pollution, air pollution, water pollution,
19 etc. Meanwhile, the green building concept is becoming more and more popular with
20 the public; hence the building developers are eager to obtain green building
21 certifications to increase the added value of buildings. Green building rating system

¹ Abbreviations: GBRS: Green Building Rating System; LEED: Leadership in Energy and Environmental Design; BREEAM: Building Research Establishment's Environmental Assessment Method; GG: Green Globes; ESGB: Evaluation Standard for Green Building; GBI: Green Building Index.

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