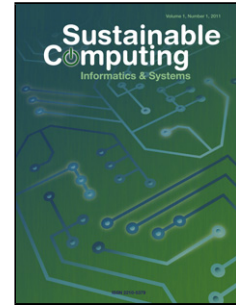


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A Survey of Empirical Studies on Persuasive Technologies to Promote Sustainable Living

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awareness

HIGHLIGHTS

- A review was conducted on the use of persuasive technologies for sustainable living
- Sixty eight percentage of the articles focused on electricity consumption issues
- Forty eight percentage of the studies reported a behavioral change
- A few studies were conducted with comparatively smaller sample size for less than a month
- New approaches are required for framing the issues related to sustainability

ABSTRACT

Persuasive technology is the application of technology to change human behavior or attitude or both. As applied to sustainable Human Computer Interaction (HCI), it has been the focus of much recent research. To provide an understanding of scope of these studies, this article reviews the literature on this topic published between 2000 and 2016. It is limited to research articles providing an evaluation of persuasive technologies published in peer-reviewed publications and conference proceedings in environmental sustainability. Appropriate articles were found using the Web of Knowledge,

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