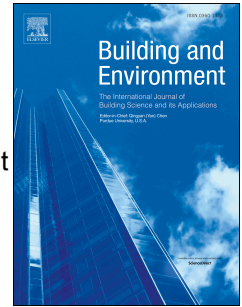


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Modified method for evaluating improved technologies for indoor thermal environment of earth buildings

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1 **Modified method for evaluating improved technologies for indoor thermal**
 2 **environment of earth buildings**

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11 **Abstract:**

12 About 30% of the global population lives in earth buildings. To meet the needs of
 13 modern life, improved technologies have been used in such buildings. But, how well
 14 does that work? Unfortunately, such evaluation are lacking. So, this study focused on
 15 developing a comprehensive evaluation method. First, 19 improvement schemes were
 16 proposed based on field tests of an adobe dwelling in Gansu, China. Then, a modified
 17 method to evaluate the improvement technologies was proposed. The comprehensive
 18 evaluation addressed four constraints – ecology, economy, energy savings, and

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