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ABSTRACT
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ASSESSMENT OF INDOOR MICROCLIMATE AND THERMAL COMFORT IN BUILDINGS: A THERMOGRAPHIC APPROACH

Assessing the indoor thermal parameters in buildings is a key priority in building management. Buildings should minimize their energy demand, but not at the expense of guaranteeing the adequate indoor microclimate and the thermal comfort to the users. Several tools and standard procedures are available to evaluate the indoor conditions of buildings. Infrared thermography could be used, in different configurations, both as a supporting or as an alternative tool to measure key indoor parameters such as wall temperature, air temperature, relative humidity, air speed. Experimental data show the feasibility of the thermographic method.