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The Role of Sound in Shaping Architectural Spaces: A Multisensory Approach

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Abstract: *The integration of sound within the built environment represents a pivotal yet often overlooked aspect of architectural design. This study explores the multifaceted dimensions of sound incorporation, emphasizing its potential to profoundly impact spatial experience and individual well-being. Through a comprehensive review of the literature, the study elucidates the diverse roles sound plays in shaping human perception, social interactions, and environmental quality. Sound, as a fundamental element of sensory experience, significantly influences our perception of space and place. Whether through the subtle ambiance of natural sounds or the deliberate orchestration of architectural acoustics, sound has the power to evoke emotions, establish atmosphere, and define spatial boundaries. Incorporating sound consciously into architectural processes presents opportunities to enhance the quality of life for inhabitants. By prioritizing acoustic comfort and fostering sonic diversity, designers can create environments that promote relaxation, productivity, and social cohesion. Furthermore, leveraging technology and design strategies enables the optimization of soundscapes to mitigate negative sounds and improve overall environmental sustainability.*

Keywords: environmental sustainability