Special Issue “Soundscapes of buildings and built environments”

The term soundscape has been defined by the ISO 12913-1 standard as “[the] acoustic environment as perceived or experienced and/or understood by a person or people, in context”. In recent years researchers and practitioners have shown an increasing interest for the assessment and management of both outdoor and indoor acoustic environment from a perceptual point of view. While much soundscape research has been conducted at a relatively large urban scale (e.g., urban parks, residential districts), the concept also applies to smaller contexts, such as streets, buildings or indoor public spaces.

The present Special Issue on **Soundscapes of buildings and built environments** aims to gather new research results dealing with the relationship between soundscape, architecture and urban design, as well as the perception of indoor and outdoor acoustic environments and how buildings can mediate these two. Submissions are invited for (but not limited to) different topics, such as:

- Soundscape of indoor spaces
- Soundscape assessment and design for large buildings
- Acoustic comfort in public buildings (e.g., restaurants, public libraries, museums, shopping malls, public transport stations, hospitals, historical buildings)
- Effects of buildings and building elements (e.g., facades, balconies) on indoor and outdoor soundscapes

Papers are expected to consider the relationships between the physical elements of the acoustic environments and the perceptual constructs (i.e., the soundscapes) they elicit.

We look forward to receiving your contributions

*Guest Editors*

Prof Dr Arianna Astolfi and Dr Francesco Aletta
The Special Issue aims to gather new research results dealing with the relationship between soundscape, architecture, and urban planning, as well as the perception of indoor and outdoor acoustic environments and how buildings can mediate these two. Submissions will be welcome on soundscapes of indoor spaces, soundscape assessment, and design for large buildings, acoustic comfort in public buildings (e.g. public libraries, museums, shopping malls, and public transport stations), effects of buildings, and building elements on indoor and outdoor soundscapes.