Constructing an Urban Future: The sustainability and resilience of cities – infrastructures, communities, buildings and housing.

• Paper / Proposal Title:
Codification of Nature-Based Design Criteria in Urban Streets.

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• Abstract (300 words):
After industrial revolution, and especially over the last two centuries, environmental problems such as global warming and environmental pollution arose and the relationship between human and nature was greatly weakened in most cities of the world. There were some movements that sought to find a way to establish a peaceful link between nature and human environment as a result of such challenges in recent
decades. Cities and man-made settings as human habitats play an important role in leading and managing environmental crises. In this context, urban public spaces should be considered more, due to their importance and role in the city. Neglecting nature in these spaces causes many negative effects which primarily facing human beings.

Designing urban spaces with a nature-sensitive perspective involves different approaches which try to repair the balance between nature and city. Green Planning, Biophilic Cities, Eco Cities, and Sustainable Cities are more discussed approaches that have considered nature and its challenges as one of their main concerns. These ideas have suggested different strategies for addressing environmental problems in proportion to their time and needs, with different theoretical roots, goals, definitions, epistemological views and principles.

The main goal of this research is to develop guidelines for Nature-Base design in urban streets. This paper has been prepared by reviewing the theoretical basis of different approaches to the nature-based design, their classification based on the epistemological basis and the expression of their commonalities and differences. Finally, the goal of this study will be provided by summarizing the main strategies of each approach, reviewing global experiences in the field of nature-based urban designs as well as urban street design documents following sustainability.

Key words: environment, nature, nature-based, urbanism, urban street.

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