

## عنوان مقاله:

Screening of Criteria Influencing the Spatial Structure of High-Rise Residential Buildings in Tehran with the Emphasis on Fuzzy Delphi

## محل انتشار:

فصلنامه مطالعات هنرهای کاربردی، دوره 7، شماره 2 (سال: 1401)

تعداد صفحات اصل مقاله: 18

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## خلاصه مقاله:

Cities' rapid growth has resulted in the creation of undesirable urban phenomena. The necessity to cope with high-rise structures has increased as it has been located and decreased. These structures establish their spatial and physical structure depending on a variety of parameters, each of which plays a critical and crucial part in their construction. The goal of this study is to identify and prioritize useful criteria in the spatial organization of high-rise structures. The research method used in this study is a nested and qualitative-quantitative approach, with systematic review and semi-structured interviews used in the qualitative stage to extract various criteria in the field of spatial structure, and the Delphi system used in the quantitative stage to screen the criteria. In the qualitative stage, Fuzzy uses the Delphi system, while in the quantitative level, it uses MATLAB software. Building height criteria with a value of ۰.۵۳ in category M, field criteria with a value of ۰.۵۷ in category M, criteria for non-location areas with a value of ۰.۴۷ in category L, urban node criteria with a value of ۰.۶۱ in category M, Negative criteria with a value of ۰.۴۹ in M category, restrictive criteria with a value of ۰.۴۴ in M category, index building criteria with a value of ۰.۱۹ in VL category, construction criteria for tall buildings with a value of ۰.۱۹ It falls under category H with a score of ۰.۷۶.

## کلمات کلیدی:

Spatial Structure, High-Rise Buildings, Screening Criteria, Combined Method

## لینک ثابت مقاله در پایگاه سیویلیکا:

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