



**INTERNATIONAL CONFERENCE  
1<sup>ST</sup> YOUNG RESEARCHERS' CONFERENCE - EROSION AND  
TORRENT CONTROL (ETC 2018)  
ABSTRACT BOOK**



Belgrade, November 28 – 30, 2018.

Editor in chief: Katarina Lazarević

Belgrade, 2018





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## ANALYSIS OF PHYSICO-MECHANICAL CHARACTERISTICS OF BUILDING STONE FOR THE NEEDS OF ANTIEROSION WORKS IN SERBIA

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**ABSTRACT:** The area of Serbia is geologically very diverse and rich, which provides the possibility of exploitation, examination and application of various construction materials of non-metallic origin, which are obtained from solid, unbound and semi-bound rocks. As an essential construction material of non-metallic origin, which is applied in antierosion works, a building stone is distinguished. In Serbia, construction stone is used in antierosion works, primarily as a technical stone, and to a slight extent, as decorative (architectural stone). In order to adequately select and use the building stone, in the field of antierosion works, it is necessary to determine its mineral-petrographic, physico-mechanical and special properties. The paper presents a comparative analysis of the physico-mechanical characteristics of the building stone, originating from the homogenic and organogenic sedimentary rocks, with the primary goal of adequately selecting the construction stone for antierosion works in Serbia.

**Key words:** sedimentary rocks, building stone, physico-mechanical characteristics, antierosion works.

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