



**XIII INTERNATIONAL CONFERENCE ON SOCIAL AND
TECHNOLOGICAL DEVELOPMENT – STED 2024**

THE BOOK OF ABSTRACTS

**XIII MEĐUNARODNA KONFERENCIJA O DRUŠTVENOM I
TEHNOLOŠKOM RAZVOJU – STED 2024**

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University of Applied Sciences



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POTENTIAL UTILIZATION OF THE MEAT OF INVASIVE CRAYFISH *FAXONIUS LIMOSUS* FROM THE DANUBE RIVER

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ABSTRACT

Preserving the balance of the aquatic ecosystem requires minimizing the impact of invasive species, such as the spiny-cheek crayfish *Faxonius limosus* from the Danube River. Valorizing the meat of spiny-cheek crayfish through the concept of zero waste not only helps in reducing its negative impact on biodiversity but also presents an opportunity for culinary innovation. The integration of crayfish meat into gastronomy products offers a viable approach to management and sustainable exploitation. To develop new products formulated from crayfish meat, we investigated various aspects including safety parameters, technological quality, nutritional value and sensory properties. Consequently, this study aimed to provide fresh evidence of the nutritional value and economic potential of invasive crayfish from the Danube River, paving the way for optimal utilization and sustainable exploitation of these resources.

Keywords: invasive spiny-cheek crayfish, meat, optimal utilization.

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