



2022_10(1)

AGG+ Journal for Architecture, Civil Engineering, Geodesy and Related Scientific Fields
АГГ+ часопис за архитектуру, грађевинарство, геодезију и сродне научне области



Introduction 10(1)

Jubilee volume 10 stands for ten years of AGG+ journal existence. The journal publisher, Faculty of Architecture, Civil Engineering and Geodesy, celebrates this year the twenty-five years of the Architecture study program, fifteen years of the Geodesy study program, and the long-awaited completion of the new faculty building. In this context, we could say that the number 10 marks the end of one cycle and the beginning of a new one in the life of the journal and the school.

Volume 10 brings seven scientific articles. The 15th biannual International Conference on Contemporary Theory and Practice in Construction (STEPGRAD), organised by the Faculty of Architecture, Civil Engineering and Geodesy, took place this year. The editors selected three papers from the conference and had them specially prepared for the journal format. We would like to single out *environmental responsibility* as the dominant theme tackled in all the articles in different ways. Approaches to architectural design, architectural education, built heritage, and traffic network planning were discussed in light of climate change and the relationship of spatial disciplines to the natural and human environment.

The editors hope that the readership will find the articles constructive, engaging, scientifically profound, and enjoyable to read. We welcome contributions from all over the world and invite researchers, academics, professionals, educators, and students to submit their research and insights for volume 11.

Editors-In-Chief

Publisher

University of Banja Luka, Faculty of Architecture, Civil Engineering and Geodesy

Editors-in-Chief

Maja Ilić, University of Banja Luka, Bosnia and Herzegovina

Nevena Novaković, University of Banja Luka, Bosnia and Herzegovina

Executive Editor

Maja Milić Aleksić, University of Banja Luka, Bosnia and Herzegovina

Section Editors

Miroslav Malinović, University of Banja Luka, Bosnia and Herzegovina (Architecture)

Bojana Grujić, University of Banja Luka, Bosnia and Herzegovina (Civil Engineering)

Sanja Tucikeseć, University of Banja Luka, Bosnia and Herzegovina (Geodesy)

Snježana Maksimović, University of Banja Luka, Bosnia and Herzegovina (Natural Sciences in Construction)

Editorial Board

Ljubiša Preradović, University of Banja Luka, Bosnia and Herzegovina, chairman

Aleksandar Kadjević, University of Belgrade, Serbia (Architecture)

Ana Nikezić, University of Belgrade, Serbia (Architecture)

Dragan Damjanović, University of Zagreb, Croatia (Architecture)

Ana Mrđa, University of Zagreb, Croatia (Architecture)

Renate Bornberg, TU Wien, Austria (Architecture)

Milena Stavrić, TU Graz, Austria (Architecture)

Igor Jokanović, University of Novi Sad, Serbia (Civil Engineering)

Nenad Jaćimović, University of Belgrade, Serbia (Civil Engineering)

Ivan Vrkljan, University of Rijeka, Croatia (Civil Engineering)

Dragan Milašinović, University of Novi Sad, Serbia (Civil Engineering)

Mileva Samardžić Petrović, University of Belgrade, Serbia (Geodesy)

Medžida Mulić, University of Sarajevo, Bosnia and Herzegovina (Geodesy)

Vlado Cetl, University North of Varaždin, Croatia (Geodesy)

José-Lázaro Amaro-Mellado, University of Seville, Spain (Geodesy)

Alojz Kopáček, STU in Bratislava, Slovakia (Geodesy)

Ljiljana Teofanov, University of Novi Sad, Serbia (Natural Sciences in Construction)

Albert Wiltsche, TU Graz, Austria (Natural Sciences in Construction)

Smiljana Jakšić, University of Belgrade, Serbia (Natural Sciences in Construction)

Cover

Dubravko Aleksić (design), Drago Vejnović (photo)

Proofreading

Jelena Pažin

Circulation 300

ISSN 2712-0570 (Print)

ISSN 2303-6036 (Online)

Print

Europrint Banja Luka

<http://doisrpska.nub.rs/index.php/aggplus>

Vanja Spasenović

PERCEPTION OF ARCHITECTURE AND HERITAGE: EXPERIENTIAL QUALITATIVE
MODEL FOR ASSESSING THE URBAN POTENTIAL

002-016

Ana Kisjan, Dubravko Aleksić

THERMAL LANDSCAPES: RAM'S METEOROLOGICAL ARCHITECTURE

018-027

Ana Nikezić

RESPONSIBLE EDUCATION OF ARCHITECTS – EXPERIENCE FROM
INTERNATIONAL RESEARCH PROJECTS

030-045

Miloš Jočković, Marija Nefovska-Danilović, Aleksandar Borković

LINEAR DYNAMIC ANALYSIS OF A SPATIALLY CURVED BERNOULLI-EULER BEAM
SUBJECTED TO MOVING LOAD

048-061

Jakob Šušteršič, Rok Ercegovič, David Polanec, Bojana Grujić

EVALUATION OF THE RESISTANCE TO CRACK PROPAGATION OF HIGH
PERFORMANCE CONCRETES BY THE WEDGE SPLITTING TEST METHOD

064-086

Igor Jokanović, Milica Pavić

ENVIRONMENTAL PROTECTION - SUSTAINABLE DEVELOPMENT - TRANSPORT:
CHRONOLOGY OF THE APPROACH AND POLITICAL-STRATEGIC FRAMEWORK

088-105

Dragana Skorup, Slavko Vasiljević

CORS NETWORKS, ASPECTS OF BUSINESS MODELS IN EUROPE AND THE REGION

108-127

Вања Спасеновић

ОПАЖАЊЕ ВРЕДНОСТИ НАСЛЕЂА: ИСКУСТВЕНИ КВАЛИТАТВНИ МОДЕЛ ПРОЦЕНЕ УРБАНОГ
ПОТЕНЦИЈАЛА

002-016

Ана Кисјан, Дубравко Алексић

ТЕРМАЛНИ ПЕЈЗАЖИ: РАМОВА МЕТЕОРОЛОШКА АРХИТЕКТУРА

018-027

Ана Никезић

ОДГОВОРНО ОБРАЗОВАЊЕ АРХИТЕКАТА ЗАСНОВАНО НА ИСКУСТВУ ИНТЕРНАЦИОНАЛНИХ
ПРОЈЕКТА

030-045

Милош Јоцковић, Марија Нефовска-Даниловић, Александар Борковић

ЛИНЕАРНА ДИНАМИЧКА АНАЛИЗА УТИЦАЈА ПОКРЕТНОГ ОПТЕРЕЂЕЊА НА ПРОСТОРНОЈ
КРИВОЛИНИЈСКОЈ БЕРНУЛИ-ОЈЛЕРОВОЈ ГРЕДИ

048-061

Јакоб Шуштершич, Рок Ерцегович, Давид Поланец, Бојана Грујић

ИСПИТИВАЊЕ ОТПОРНОСТИ БЕТОНА ВИСОКИХ ПЕРФОРМАНСИ НА ШИРЕЊЕ ПУКОТИНА
МЕТОДОМ ЦИЈЕПАЊА КЛИНОМ

064-086

Игор Јокановић, Милица Павић

ЗАШТИТА ЖИВОТНЕ СРЕДИНЕ - ОДРЖИВИ РАЗВОЈ - САОБРАЋАЈ: ХРОНОЛОГИЈА ПРИСТУПА И
ПОЛИТИЧКО-СТРАТЕШКИ ОКВИР

088-105

Драгана Скоруп, Славко Васиљевић

CORS МРЕЖЕ, АСПЕКТИ ПОСЛОВАЊА У ЕВРОПИ И РЕГИОНУ

108-127

