



2023_11(1)

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



Introduction 11(1)

The reader will find seven new articles in issue 11 of the scientific journal AGG+. Two scientific articles in the history of architecture and urbanism deal with different spatial scales. One article is devoted to the study of the morphological transformation of the city centre, and the other to the monumental architecture of a modernist palace. These studies focus on the urban history of Banja Luka and Belgrade. Further, five scientific articles contribute to different themes within the civil engineering discipline. Two articles investigate the properties of building materials, two the structure of buildings, and one the regulation of construction procedures. The editors hope the readership will find the articles constructive, engaging, scientifically profound, and enjoyable. We welcome contributions worldwide and invite researchers, academics, professionals, educators, and students to submit their research and insights for volume 12.

Along with volume 12, AGG+ aspires to improve in a technical way as well, so from the next issue researchers will be able to submit their manuscripts through the new website and platform available on aggplus.aggf.unibl.org.

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), Relja Ivanić (photo)

On the photo: *Main building of the Faculty of Architecture, Civil Engineering and Geodesy in Banja Luka*, authors Saša Čvoro, Malina Čvoro, Radovan Beleslin

Proofreading

Jelena Pažin

Circulation 300

ISSN 2712-0570 (Print)

ISSN 2303-6036 (Online)

Print: Vilux Banja Luka

aggplus.aggf.unibl.org

Dijana Simonović

CHANGES IN THE LOCATION AND MEANING OF BANJALUKA'S URBAN CORE:
RECOMMENDATIONS FOR URBAN LANDSCAPE REGENERATION

002-028

Biljana Mišić

PRESIDENTIAL PALACE IN NEW BELGRADE: EVALUATION APPROACHES TO
POST-WORLD WAR II ARCHITECTURAL HERITAGE

030-043

Dragan D. Milašinović

MATERIAL MEMORY PROPERTIES

046-062

Slađana Miljanović, Muhamed Zlatar

PRINCIPLES OF DESIGN, MATERIALIZATION, AND OPTIMIZATION OF THE STRUT-
TYPE HYBRID SYSTEMS

064-082

Hadj Bekki, Latifa Meziou, Lotfi A. Belhadj

IMPROVEMENT OF HOT MIX ASPHALT USING WASTE PLASTIC

084-096

Ljiljana Milić Marković, Ljubo Marković

LEGAL REGULATIONS DEFINING THE ROLE AND TASKS OF EXPERT SUPERVISION
DURING CONSTRUCTION WORKS

098-107

Beka Gurgenidze, Ioseb Giorgobiani

THE ROLE OF STEEL PILE SHEETS IN BUILDING BASE REINFORCEMENT

110-121

Дијана Симоновић

ПРОМЕНЕ ПОЗИЦИЈЕ И ЗНАЧЕЊА УРБАНОГ ЈЕЗГРА БАЊАЛУКЕ: ПРЕПОРУКЕ ЗА РЕГЕНЕРАЦИЈУ
УРБАНОГ ПЕЈЗАЖА

002-028

Биљана Мишић

ПАЛАТА ПРЕДСЈЕДНИШТВА ВЛАДЕ У НОВОМ БЕОГРАДУ: ПРИСТУПИ ПРОЦЈЕНИ
ГРАДИТЕЉСКОГ НАСЉЕЂА ИЗ ПЕРИОДА ПОСЛИЈЕ ДРУГОГ СВЈЕТСКОГ РАТА

030-043

Драган Д. Милашиновић

МЕМОРИЈСКЕ ОСОБИНЕ МАТЕРИЈАЛА

046-062

Слађана Миљановић, Мухамед Златар

ПРИНЦИПИ ПРОЈЕКТОВАЊА, МАТЕРИЈАЛИЗАЦИЈЕ И ОПТИМИЗАЦИЈЕ ХИБРИДНИХ СИСТЕМА

064-082

Хађ Беки, Латифа Мезиу, Лотфи А. Белхађ

ПОБОЉШАЊЕ АСФАЛТНЕ МЈЕШАВИНЕ ПО ВРУЋЕМ ПОСТУПКУ КОРИШТЕЊЕМ ПЛАСТИЧНОГ
ОТПАДА

084-096

Љиљана Милић Марковић, Љубо Марковић

ПРАВНИ ПРОПИСИ КОЈИ РЕГУЛИШУ УЛОГУ И ЗАДАТКЕ СТРУЧНОГ НАДЗОРА ТОКОМ ИЗГРАДЊЕ

098-107

Бека Гурђенић, Јосеб Ђорђобиани

УЛОГА ЧЕЛИЧНИХ ТАЛПИ У ЗАШТИТИ ТЕМЕЉНИХ ЈАМА

110-121

