

2024_12(1)

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





Introduction 12(1)

Dear readers,

The Editorial Board of the AGG+ Journal for Architecture, Civil Engineering, Geodesy and Related Scientific Fields continuously works to improve the journal's content, clarity, and visibility, as well as its visual identity. Therefore, the journal's website is dynamically changing. One important new practice is the online-first publication of papers. Once the review and production processes are finished, papers are made available online, eliminating the need for authors to wait for the annual issue to be published.

Meanwhile, a second special issue entitled *Earthquake Engineering* is also being prepared and scheduled to be published in the first half of 2025. While you await this collection of scientific research reports, you can read the papers in the regular issue 12 ahead of you. The papers predominantly deal with the dynamic stability of built structures, specifically under the influence of earthquakes and wind. Therefore, issue 12 can be seen as an introduction to the upcoming thematic collection.

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 13.

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 Tucikesić, 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 Kadijević, 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 Hezegovina (Geodesy)

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

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

Alojz Kopáčik, 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 and photo)

Proofreading

Jelena Pažin

Circulation 300

ISSN 2712-0570 (Print)

ISSN 2303-6036 (Online)

Print: Vilux Banja Luka

aggplus.aggf.unibl.org

| Nugzar Rurua, Boris Maisuradze, Ioseb Utmelidze | |
|---|---------|
| DETERMINATION OF THE RESPONSE SPECTRA OF THE SUPERSTRUCTURE OF | |
| LENGTH L=3X63.0 M | 002-014 |
| Ognjen Šukalo, Maja Milić Aleksić, Slobodan Peulić | |
| INTERNAL EXTENSIONS: A CASE FOR THE REASSESSMENT OF THE | |
| ARCHITECTURAL PHENOMENON OF GREENHOUSE | 016-041 |
| Zaza Jangidze | |
| STABILITY CALCULATION OF IRREGULAR STRUCTURES WITH IRREGULAR | |
| DISORDER DURING SEISMIC IMPACT | 044-050 |
| Lia Balanchivadze, Beka Matitashvili, Vladimer Kikadze | |
| DYNAMIC COMFORT CONSIDERATIONS IN THE DESIGN OF HIGH-RISE | |
| BUILDINGS | 052-061 |
| Ljubiša Preradović, Miroslav Malinović | |
| MATHEMATICS AND ENTRANCE EXAM RESULTS AS INDICATORS OF ACADEMIC | |
| SUCCESS AMONG CIVIL ENGINEERING STUDENTS | 064-080 |

| Нугзар Руруа, Борис Маисурадзе, Иосеб Утмелидзе ОДРЕЂИВАЊЕ СПЕКТРА ОДЗИВА СУПЕРСТРУКТУРЕ ДУЖИНЕ L=3X63,0 М | 002-014 |
|---|---------|
| Огњен Шукало, Maja Muлић Алексић, Слободан Пеулић УНУТРАШЊЕ ЕКСТЕНЗИЈЕ: ИНИЦИЈАЛНА ПРЕИСПИТИВАЊА АРХИТЕКТОНСКЕ ФЕНОМЕНОЛОГИЈЕ СТАКЛЕНИКА | 016-041 |
| Заза Јангидзе ПРОРАЧУН СТАБИЛНОСТИ НЕПРАВИЛНИХ КОНСТРУКЦИЈА ХЕТЕРОГЕНОГ СИСТЕМА ТОКОМ ЗЕМЉОТРЕСА | 044-050 |
| Лиа Баланчивадзе, Бека Матиташвили, Владимер Кикадзе ДИНАМИЧКА УДОБНОСТ У ПРОЈЕКТОВАЊУ ВИСОКИХ ЗГРАДА | 052-061 |
| Љубиша Прерадовић, Мирослав Малиновић МАТЕМАТИКА И РЕЗУЛТАТИ ПРИЈЕМНОГ ИСПИТА КАО ПОКАЗАТЕЉИ АКАДЕМСКОГ УСПЈЕХА СТУДЕНАТА ГРАЂЕВИНАРСТВА | 064-080 |