

ARCHITECTURE PAPERS OF THE FACULTY OF ARCHITECTURE AND DESIGN STU

volume 28
year 2023
number 1

PUBLISHED BY

Faculty of Architecture and Design STU
Námestie slobody 19, 812 45 Bratislava,
Slovakia
www.fad.stuba.sk
tel.: +421 257 276 178 | +421 949 015
316
e-mail: alfa@fa.stuba.sk
IČO: 00397687

and

Sciendo; De Gruyter Poland Sp. z o.o.
Ul. Bogumila Zuga 32A, 01-811 Warsaw,
Poland
<https://www.sciendo.com/>
tel.: +48 227 015 015
KRS: 0000055478
NIP: PL 9521878738

March 2023

PUBLISHED ONLINE QUARTERLY

ISSN 2729-7640

EDITORIAL BOARD

Editor-in-chief

Prof. Ing. arch. Robert Špaček, CSc.
Faculty of Architecture and Design,
Slovak University of Technology,
Bratislava, Slovakia

Deputy editor-in-chief

Assoc. Prof. Ing. arch. Ján Legény, PhD.
Faculty of Architecture and Design,
Slovak University of Technology,
Bratislava, Slovakia

Executive and technical editor

Mgr. Ing. arch. Lucia Benkovičová, PhD.
Faculty of Architecture and Design,
Slovak University of Technology,
Bratislava, Slovakia

ADVISORY BOARD

Prof. Dr. Henri Hubertus Achten
Faculty of Architecture, Czech Technical
University, Prague, Czech Republic

Dr. habil. Melinda Benkő, PhD.
Faculty of Architecture, University
of Technology and Economics,
Budapest, Hungary

Dr. inž. arch. Magdalena Celadyn, PhD.
Faculty of Interior Design, Jan Matejko
Academy of Fine Arts, Kraków, Poland

Prof. Débora Domingo-Calabuig, Ph.D.
School of Architecture, Universitat
Politècnica de València, Valencia, Spain

Prof. Ing. Miloš Drdáký, DrSc., dr. h.c.
Institute of Theoretical and Applied
Mechanics of the Czech Academy
of Sciences, and Faculty of Architecture,
Czech Technical University, Prague,
Czech Republic

Prof. Ing. arch. Matúš Dulla, DrSc.
Faculty of Architecture, Czech Technical
University, Prague, Czech Republic

Prof. Dr. Werner Friedl, PhD.
University of Applied Sciences,
Darmstadt, Germany

Univ. - Prof. Dipl. Arch. ETH Dr. Christian Hanus
Faculty of Education, Arts and
Architecture, Danube University Krems,
Krems, Austria

Prof. Ing. arch. Jan Jehlík
Faculty of Architecture Czech Technical
University, Prague, Czech Republic

Assoc. Prof. Dr. Sanela Klarić
Faculty of Engineering and Natural
Sciences, International Burch
University, Ilidža, Bosnia and
Herzegovina

Assoc. Prof. Dr. Eglė Navickienė
Faculty of Architecture, Vilnius
Gediminas Technical University, Vilnius,
Lithuania

Prof. Maria Vogiatzaki
Faculty of Science and Engineering,
Anglia Ruskin University, Chelmsford,
United Kingdom

Prof. Dipl. - Ing. Martin Wollensak
Faculty of Architecture and Design,
University of Applied Sciences,
Technology, Business and Design,
Wismar, Germany

**Prof. dr. Tadeja Zupančič univ. dipl.
inž. arh.**
Faculty of Architecture, University
of Ljubljana, Ljubljana, Slovenia

Assoc. Prof. Wissem Gallala, Ph.D.
Higher Institute of Fine Arts, University
of Sousse, Sousse, Tunisia

EDITORS

**Assoc. Prof. Ing. arch. Lubica
Ilkovičová, CSc.**

**Assoc. Prof. Ing. Branislav Jelenčík,
ArtD., Dip. Mgmt.**

Prof. Ing. arch. Julián Keppl, CSc.

Prof. Ing. Veronika Kotradyová, PhD.

**Prof. Ing. arch. Bohumil Kováč, PhD.
prof. Dr. Ing. arch. Henrieta
Moravčíková**

Prof. Ing. arch. Jana Pohaničová, PhD.

**Prof. Ing. arch. Vladimír Šimkovič,
PhD.**

Prof. Ing. arch. Lubica Vitková, PhD.
Faculty of Architecture and Design,
Slovak University of Technology,
Bratislava, Slovakia

ENGLISH PROOFREADING

inglés, s. r. o.
Martinčekova 22
821 09 Bratislava, Slovakia

All texts have been reviewed.

AUTHORS

Assoc. Prof. Wissem Gallala, Ph.D.
Higher Institute of Fine Arts, University
of Sousse, Sousse, Tunisia
(*wissem.gallala@isbas.u-sousse.tn*)

MSc. Aida Shayegani
Faculty of Architecture and Design,
Institute of Urban Design and Planning,
Slovak University of Technology,
Bratislava, Slovakia
(*aida.shayegani@stuba.sk*)

**Assoc. Prof. Ing. arch. Viera Joklová,
PhD.**
Faculty of Architecture and Design,
Institute of Urban Design and Planning,
Slovak University of Technology,
Bratislava, Slovakia
(*viera.joklova@stuba.sk*)

BArch Damla Katuk
Institute of Graduate Studies, Fatih
Sultan Mehmet Vakif University,
Istanbul, Turkey
(*damla.katuk@stu.fsm.edu.tr*)

Assoc. Prof. Emine Köseoğlu, PhD.
Department of Architecture, Fatih
Sultan Mehmet Vakif University,
Istanbul, Turkey
(*koseogluemine@gmail.com*)

Ing. arch. Juraj Illéš
Faculty of Architecture and Design,
Institute of Urban Design and Planning,
Slovak University of Technology,
Bratislava, Slovakia
(*juraj.illes@stuba.sk*)

**dr hab. Inż. Agnieszka Jaszczak, prof.
UWM**
Faculty of Agriculture and Forestry,
Department of Landscape Architecture
University of Warmia and Mazury,
Olsztyn, Poland
(*agnieszka.jaszczak@uwm.edu.pl*)

Faculty of Bioeconomy Development,
Department of Business and Rural
Development Management, Vytautas
Magnus University, Kaunas, Lithuania

Mgr. art. Mária Novotná
Institute of History and Theory
of Architecture and Monument
Restoration, Faculty of Architecture and
Design, Slovak University of Technology,
Bratislava, Slovakia
(*maria.novotna@stuba.sk*)