

ANNUAL REPORT 2022

Karel Pavelka, Eva Matoušková and Karel Pavelka Jr.

The year 2022 represented a stable and productive period for the Civil Engineering Journal, published by the Faculty of Civil Engineering of the Czech Technical University in Prague. The journal continued to function as an open-access platform supporting high-quality research across the full spectrum of civil engineering disciplines. With increasing international engagement and consistent submission numbers, the journal strengthened its position within the global research community.

PERFORMANCE OVERVIEW

In 2022, the journal received 146 manuscript submissions from a broad and diverse pool of authors.

Decisions and Acceptance Rate

- Submitted manuscripts: 146
- Accepted manuscripts: 48
- Rejected manuscripts: 146
- Published articles: 50

The acceptance rate for the year was approximately 33%, reflecting the journal's commitment to maintaining rigorous peer-review and editorial standards. The number of published articles (50) includes accepted manuscripts processed before and during 2022.

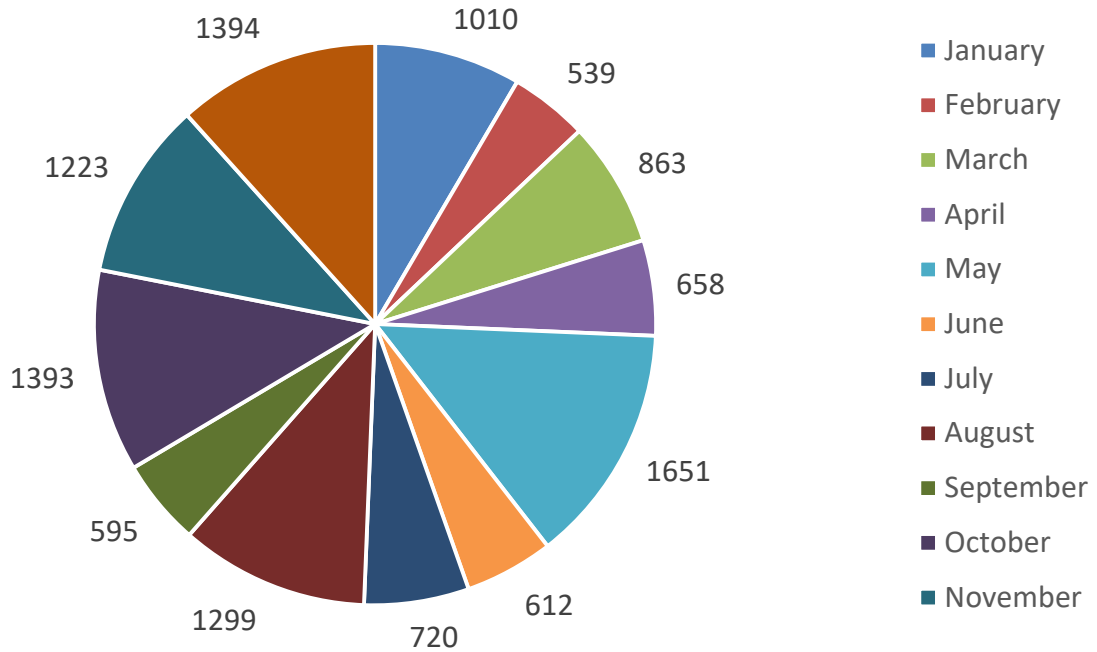
In 2022, the journal benefited from improvements to the Open Journal Systems (OJS) platform, offering more efficient submission processing, better reviewer management, and enhanced publication workflow capabilities. The editorial team maintained active communication with authors and reviewers to ensure high-quality peer review and smooth editorial processes.

The journal remains indexed in:

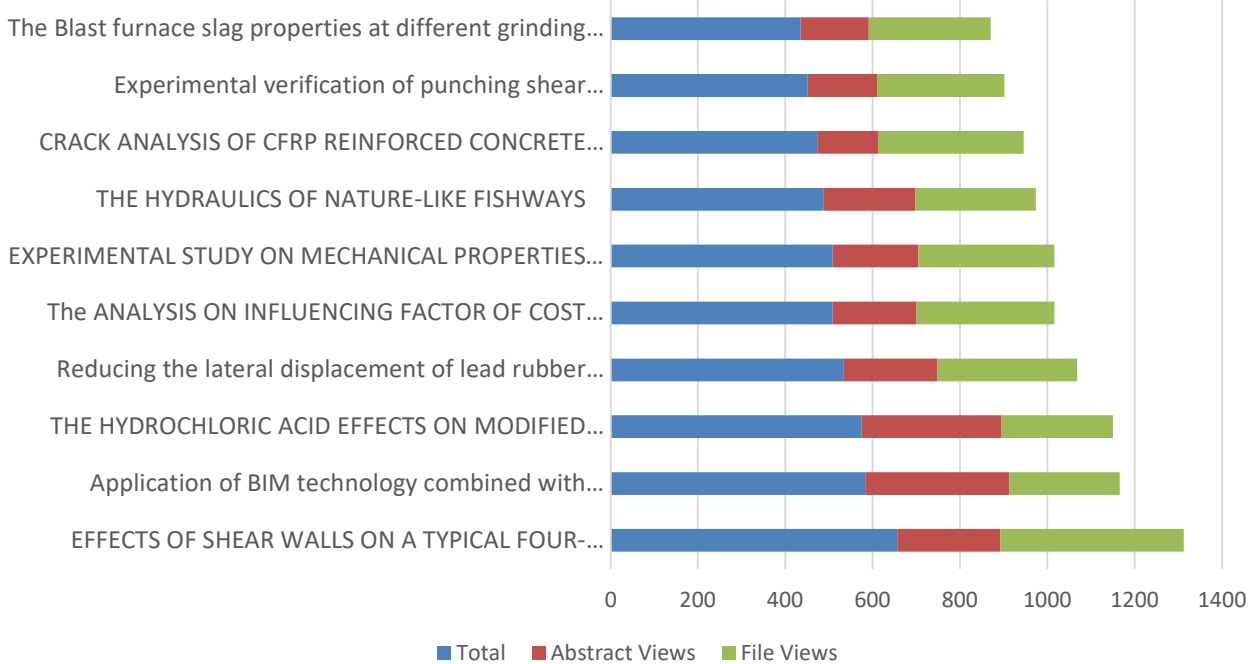
- DOAJ
- EBSCO
- ESCI (Web of Science Core Collection)
- EI Compendex

This indexing ensures strong discoverability for both authors and readers worldwide.

Number of website views per month



10 most viewed articles



2022 CONTENT REPORT

A total of 50 articles were published across four issues released in April, July, October, and December 2022. These articles reflect the journal’s thematic breadth, including structural engineering, building materials, geotechnics, transport engineering, water management, and emerging cross-disciplinary research topics.

Volume	Manuscript title	Author(s)	Country
1	<u>A SUSTAINABLE APPROACH TO IMPROVEMENT OF CORROSION PROTECTION COATINGS FOR STEEL STRUCTURES</u>	Parviz Soroushian, Anagi Balachandra, Rankothge Weerasiri, Nalin Darsanasiri, Nastran Abdol	USA
1	<u>STUDY ON MECHANICAL BEHAVIOR OF CABLE - STAYED BRIDGE SUPPORT SYSTEM IN MULTI - FULCRUM UNBALANCED ROTATION</u>	Zifeng Gu, Quansheng Sun, Meng Liu, Dandan Kong, Yang Guo	China
1	<u>THE BLAST FURNACE SLAG PROPERTIES AT DIFFERENT GRINDING TIMES AND ITS EFFECT ON FOAM CONCRETE PROPERTIES</u>	Dien Vu Kim, Sofya Ildarovna Bazhenova, Trong Chuc Nguyen, Van Lam Tang, Minh Chien Do, Van Loi Le, Van Duong Nguyen, Cong Ly Nguyen, Minh Thuan Hoang	Russia, Vietnam
1	<u>MECHANICAL BEHAVIOR OF COMPOSITIONS OF GLASS-FIBER REINFORCED PLASTIC MORTAR PIPES BASED ON THEIR FUNCTIONING</u>	Huawang Shi, Chongchong Xue, Feng Qiao, Yancang Li	China
1	<u>HIGH AIR-VOID VOLUME IMPLICATIONS FOR ASPHALT CONCRETE SERVICE-LIFE AND PRICE PENALTY</u>	Reus Salini, Carl Anders Lenngren	Brasil, Sweden
1	<u>THE ANALYSIS ON INFLUENCING FACTOR OF COST CONTROL OF EPC PROJECT BASED ON THE DEMATEL-ISM</u>	Lin Li	China
1	<u>THE HYDROCHLORIC ACID EFFECTS ON MODIFIED CEMENT WITH NEW COMBINATIONS BASED ON CALCINED DAM'S MUD AND NATURAL POZZOLANA</u>	Abdelkadir Belghit, Nasr Eddine Bouhamou, Miloud Hamadache, Belkacem Ziregue	Algeria
1	<u>FINITE ELEMENT ANALYSIS OF MECHANICAL PROPERTIES OF SPECIMEN WITH UHPC AND STUD CONNECTOR</u>	Long Liu, Songqiang Wan, Shuwen Yao, Xinzhen Zhao, Jinyan Ma	China
1	<u>UBLOX F9P FOR GEODETIC MEASUREMENT</u>	David Zahradník, Zdeněk Vyskočil, Štěpán Hodík	Czech Republic
1	<u>DESIGN AND RESEARCH OF ELECTRIC BRICKS TRANSPORTING CAR IN NON FIRED BRICKS FACTORY</u>	Lin Li	China
1	<u>USE OF PROXIMAL GAMMA-RAY SPECTROSCOPY FOR NEAR REAL-TIME</u>	Abigail Klejchová, Michal Dohnal, Miroslav Tesař	Czech Republic

	<u>DETECTION OF SNOW WATER EQUIVALENT IN JIZERA MTS.</u>		
1	<u>A NEW METHOD TO CONTROL THE REGIONAL STRATA MOVEMENT OF SUPER-THICK WEAK CEMENTATION OVERBURDEN IN DEEP MINING</u>	guojian Zhang, Guangli Guo, Wei Wei, Sifeng Zhang, Guobiao Yao	China
1	<u>EXAMINED AND ANALYSIS OF EMPIRICAL SEISMIC DAMAGE OF WORKSHOP BUILDING</u>	Siqi Li, Yong-Sheng Chen, Hong-Bo Liu	China
1	<u>A KNOWLEDGE MAPPING ANALYSIS OF DIGITAL PHOTOGRAMMETRY RESEARCH USING CITESPACE</u>	Yongquan Ge, Yingchun Liu, Xiaodong Liu	China
1	<u>3D DIGITAL RECONSTRUCTION OF DEFUNCT RURAL BUILDINGS BASED ON ARCHIVAL SOURCES</u>	Zdeněk Poloprutský, Eva Frommeltová, Josef Münzberger, Kateřina Sedlická	Czech Republic
1	<u>EFFECT OF VARIOUS GROINS IN A SERIES ON CHANNEL BED MORPHOLOGY: AN EXPERIMENTAL INVESTIGATION</u>	Alauddin Mohammed, Rokshana Pervin, Md. Zakir Hasan	Bangladesh
1	<u>SERVICE LIFE PREDICTION OF BASALT FIBER REINFORCED CONCRETE UNDER SALT FREEZE-THAW CYCLES</u>	Wenjie Xu, Zhirui Li	China
2	<u>THERMAL PERFORMANCE ASSESSMENT OF WALL ASSEMBLIES: CRITERIA IMPORTANCE THEORY AND AHP APPROACH</u>	Yuriy Biks, Olga Ratushnyak, Andriy Lyalyuk, Georgiy Ratushnyak	Ukraine
2	<u>EQUIVALENT THICKNESS COEFFICIENT OF COLD CENTRAL PLANT RECYCLING PAVEMENT STRUCTURE</u>	Yanhai Yang, Liang Yue, Huaizhi Zhang, Ye Yang	China
2	<u>FORMATION AND FAILURE BEHAVIOR OF OPEN-GRADED FRICTION COURSE AT LOW TEMPERATURES</u>	Baoyang Yu, Zongguang Sun, Lin Qi	China
2	<u>VALUING THE URBAN SPACE ACCORDING TO THE REHABILITATION OF GREEN SPACES</u>	Djeloul Tahri, Hadjab Makhloufi	Algeria
2	<u>EXPERIMENTAL STUDY ON THE VERTICAL SELF-WEIGHT STRESS DISTRIBUTION LAW OF SLOPE WITH GRANULAR MATERIALS UNDER DIFFERENT CONDITIONS</u>	Huijian Zhang, Gongning Liu, Liu Weixiong, Miao Longgang	China
2	<u>FEATURES OF THE MORPHOLOGY OF THE SHEAR FAILURE SURFACES OF COARSE-GRAINED SLIP ZONE SOILS</u>	Zechuang Li, Qiyuan Cai, Di Liu	China
2	<u>USE OF CALCINATION RESIDUE FROM RICE HUSK AS A SUBSTITUTE FOR CEMENT</u>	Lyamine Briki, Loucif Ali Bouacida, Noureddine Lahbari	Algeria
2	<u>STUDY ON THE INFLUENCE OF THE CONFINEMENT EFFECT ON THE BOND STRENGTH RECOVERY IN THE DEFECTIVE GROUTED SLEEVE CONNECTION</u>	Espoir Kahama, Xie Fuzhe, Ali Abdulkadir Aden, Faisal Iliasu Illo	China
2	<u>APPLYING BIOGEOGRAPHY-BASED MULTI-LAYER PERCEPTOR NEURAL NETWORK TO</u>	Jundong Wu; Jiaman Li; Wei Hu	China

	<u>PREDICT CALIFORNIA BEARING CAPACITY VALUE OF STABILIZED POND ASH WITH LIME AND LIME SLUDGE</u>		
2	<u>NUMERICAL ANALYSIS OF BFRP REINFORCED CONCRETE SLAB EXPOSED TO IMPACT LOADS</u>	Daniel Jindra, Petr Hradil	Czech Republic
2	<u>INTERNAL AND EXTERNAL IMAGE OF HRADČANY AND PRAGUE CASTLE</u>	Martin Šnorbert	Czech Republic
3	<u>SEISMIC VULNERABILITY ANALYSIS OF CABLE-STAYED BRIDGE DURING ROTATION CONSTRUCTION</u>	Sukang Wang, Sun Quansheng, Yu Haitao, Wang Hongyang	China
3	<u>EXPERIMENTAL RESEARCH ON THE VIBRATION CHARACTERISTICS OF BRIDGE'S HORIZONTAL ROTATION SYSTEM</u>	Jiawei Wang, Bing Cao, Bo Huang, Yihan Du	China
3	<u>THE THE COMPARATIVE STUDY OF THE PERFORMANCE OF CONCRETE MADE FROM RECYCLED SAND</u>	Chiraz Kechkar, Leila kherraf, Assia Abdelouahid, Houria Hebhou	Algeria
3	<u>THE MULTI-FACTOR CONTROL AND EVALUATION OF HIGHWAY SOFT SOIL SUBGRADE STABILITY</u>	Ming Zhang, Nan-nan Li, Min Yang	China
3	<u>STRATA SUBSIDENCE CHARACTERISTICS OF SHIELD TUNNELING IN COASTAL SOFT SOIL AREA</u>	Qingming Xiang, Youqian Gao; Jiakuan Su, Xiaoshuang Li, Xuansheng Cheng	China
3	<u>ANALYSIS OF CONTACT FRICTION BEHAVIOR IN THE BENDING PROCESS OF SEMI-PARALLEL STEEL WIRE CABLE</u>	Jianxi Yang, Hongyu Fei, Quansheng Sun, Xiang Wei Hao	China
3	<u>RESEARCH ON THE APPLICATION OF PILE-BUCKET COMPOSITE STRUCTURE IN THE SILT COAST</u>	Yao Liu, Jintian Chen, Wu Li	China
3	<u>BEARING CAPACITY OF T BEAM UNDER DIFFERENT PRESTRESS LEVELS: FULL-SCALE EXPERIMENT AND FEM ANALYSIS</u>	Long Liu, Jinyan Ma	China
3	<u>STUDY ON TIME EFFECT OF BEARING CAPACITY OF OFFSHORE LARGE DIAMETER MONOPILES</u>	suchun yang, Qiang Chen, Shean Bie, Fubo He	China
3	<u>MECHANICAL CHARACTERISTICS AND DEFORMATION LAW OF TUNNEL IN DIATOMITE CONSIDERING VARIOUS SOFTENING CONDITIONS</u>	Wei Fang, Huijian Zhang, Shufeng Gao, Yuchao Zheng, Liu Gongning	China
4	<u>STABILITY DETERIORATION OF CLIFF FACES DUE TO HISTORICAL MINING IN THE ELBE SANDSTONES PROTECTED AREA</u>	Zuzana Vařilová, Kamil Podroužek, Natálie Belisová, Jan Horák	Czech Republic
4	<u>RESEARCH ON SAFETY EVALUATION OF ASSEMBLY BUILDING CONSTRUCTION BY INTEGRATING ENTROPY POWER METHOD AND NETWORK ANALYSIS MODEL</u>	Luying Li	China

4	<u>DEVELOPING A VIRTUAL OPEN-AIR MUSEUM OF VERNACULAR ARCHITECTURE</u>	Tomáš Bouček, Martin Landa, Petr Soukup	Czech Republic
4	<u>AN EXPERIMENTAL STUDY ON SHEAR PERFORMANCE OF ADHESIVE INTERFACE BETWEEN STEEL PLATES AND CFRP</u>	Yi Yang, Zuodong Wu, Qianziyang Zhou, Jiahao Bai, Xinyan Guo	China
4	<u>DAM BREACH ANALYSIS AND PARAMETER SENSITIVITY ANALYSIS ALONG A RIVER REACH USING HECRAS</u>	Ashok Karki, Santosh Bhattarai, Pradhumna Joshi, Mukesh Raj Kafle, Rajesh Bhattarai	Nepal
4	<u>STUDY ON PREFABRICATED CONNECTOR OF DOUBLE-LAYER RECIPROCAL FRAME</u>	Zifei Li, Lin Qi, Yongcheng Huai	China
4	<u>DIGITIZATION OF PHYSICAL MODELS OF RURAL ARCHITECTURE</u>	Vojtěch Cehák	Czech Republic
4	<u>RESEARCH ON TRANSPORTATION SAFETY OF PREFABRICATED BUILDING COMPONENTS</u>	meng li, zheng guo	China
4	<u>STRATA SUBSIDENCE CHARACTERISTICS OF SHIELD TUNNELING IN COASTAL SOFT SOIL AREA</u>	Youqian Gao, Qingming Xiang, Jiaxuan Su, Xiaoshuang Li, Xuansheng Cheng	China
4	<u>STOCHASTIC TRAFFIC DEMAND PROFILE</u>	Igor Mikolasek	Czech Republic
4	<u>INFLUENCE ANALYSIS OF NATURAL VIBRATION CHARACTERISTICS OF STEEL BOX GIRDER WITH SINGLE CABLE FACE AND LARGE CANTILEVER</u>	Kexin Zhang	China

CONCLUSION

The year 2022 was marked by solid editorial output, strong submission numbers, and sustained international engagement. With 146 submissions, 48 accepted manuscripts, and 50 published articles, the journal delivered a productive publishing year rooted in rigorous peer-review and high editorial standards. The editorial board extends its appreciation to authors, reviewers, and institutional partners whose contributions made this year's progress possible. The journal continued to attract contributions from a geographically diverse research community. This international authorship is essential for promoting a broad range of engineering perspectives and methodologies.

The publication year demonstrated the journal's strong international reach and its role as a truly global platform for the dissemination of civil engineering research. In 2022, articles were authored by researchers from 11 countries, reflecting a wide geographical diversity and the journal's ability to attract contributions from both established and emerging research communities. The largest number of published articles originated from China (30 articles), highlighting the country's sustained research activity in civil engineering and its strong engagement with the journal. The Czech Republic contributed 10 articles, confirming the continued involvement of domestic institutions and reflecting the journal's foundational academic environment. Further contributions came from Algeria (4 articles) and single-article submissions from several other countries, including Russia, the USA, Vietnam, Brazil, Sweden, Bangladesh, Ukraine, and Nepal, each adding unique

regional perspectives and methodological approaches to the year's published content. This broad international representation enriches the journal's scientific output and enhances its relevance within the global civil engineering community. The editorial board remains committed to supporting this diversity, strengthening the journal's visibility, and ensuring rigorous academic standards as it continues to expand its international footprint in the coming years.

ACKNOWLEDGEMENT

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