

ANNUAL REPORT 2023

Karel Pavelka, Eva Matoušková and Karel Pavelka Jr.

The Civil Engineering Journal (CEJ), published by the Faculty of Civil Engineering of the Czech Technical University in Prague, continued in 2023 to strengthen its position as an internationally recognised open-access scientific journal. The year was marked by significant editorial activity, an expanding international author base, and a major milestone in the journal's development: CEJ received an official Impact Factor from the Web of Science Journal Citation Reports for the first time in its history. This achievement confirms the journal's growing visibility, citation impact, and scientific significance within the global civil engineering community.

PERFORMANCE OVERVIEW

In 2024, CEJ recorded substantial editorial activity:

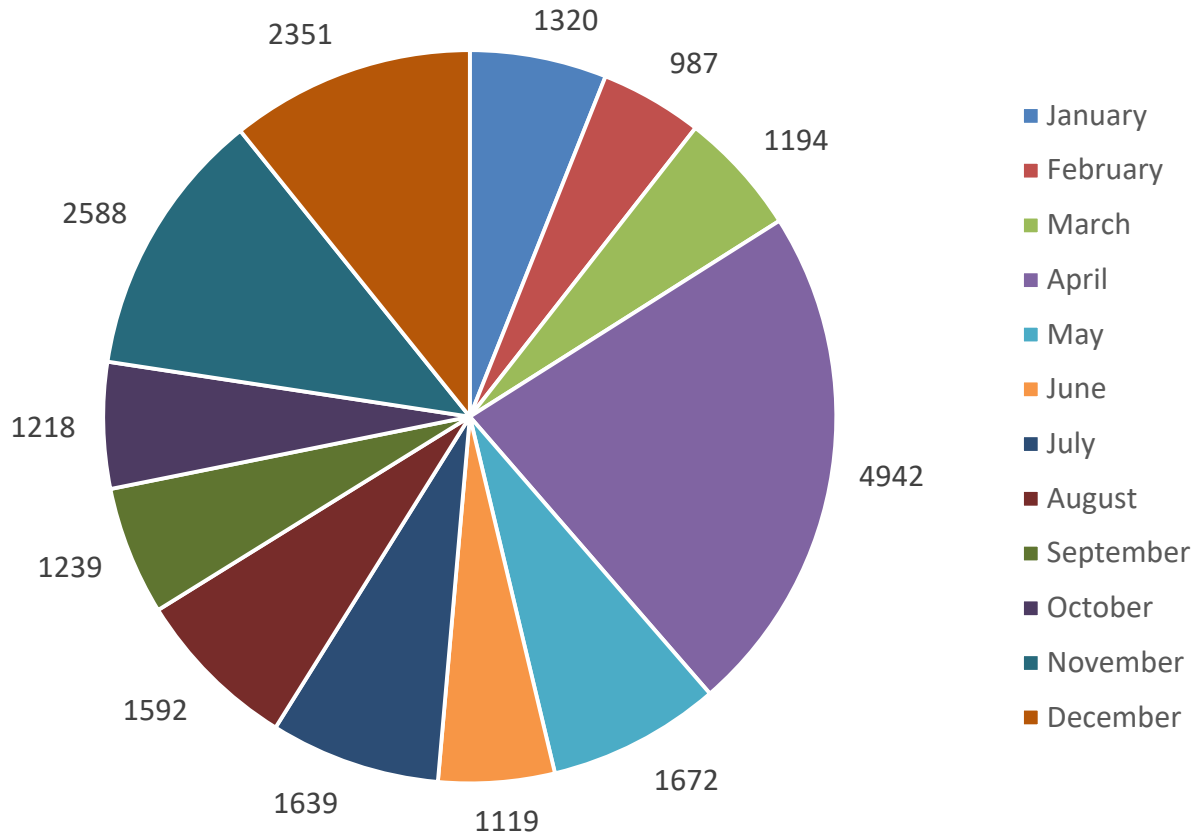
- Submitted manuscripts: 221
- Accepted manuscripts: 40
- Rejected manuscripts: 212
- Published articles: 41

These figures reflect a selective acceptance rate of approximately 18%, demonstrating CEJ's strong commitment to high academic quality and rigorous peer-review standards. The number of rejected papers includes both desk rejections and decisions following peer review. The consistently high submission volume indicates the journal's increasing international recognition and trust among researchers.

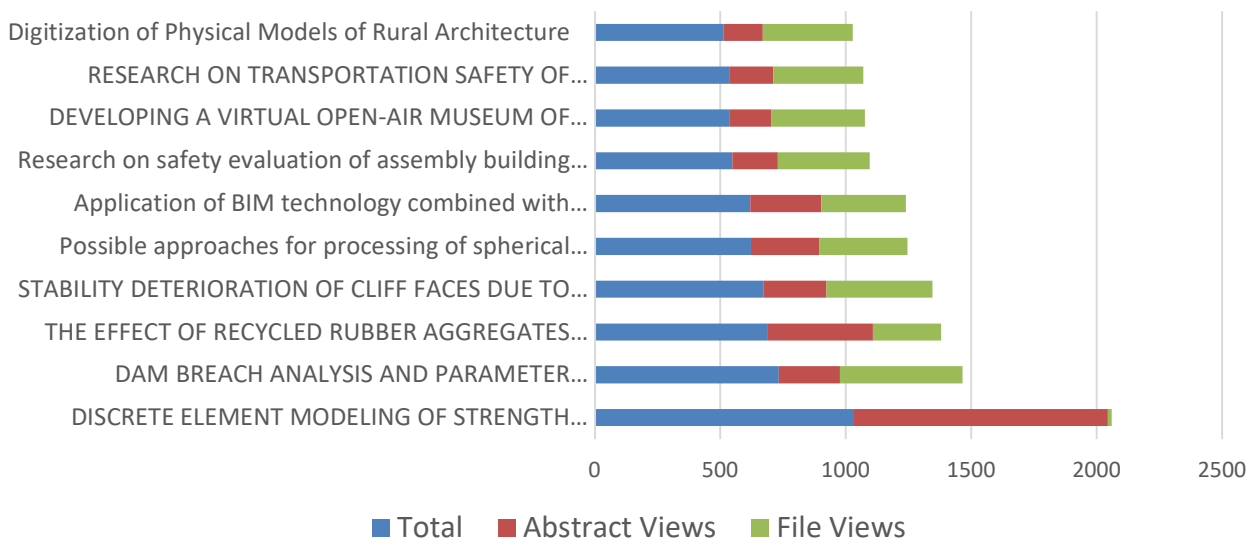
A total of 41 articles were published across the journal's regular issues. The published papers covered a broad range of civil engineering topics, including structural engineering, materials science, geotechnics, environmental engineering, transportation systems, and digitalisation in construction. The editorial board ensured that each published article met the journal's scientific and ethical standards, contributing meaningfully to the field.

A major highlight of 2023 was CEJ's inclusion in the Web of Science Journal Citation Reports, where it received its first Impact Factor. This achievement marks a significant step forward for the journal, confirming its scientific relevance, citation visibility, and credibility within the civil engineering domain. Being indexed in Web of Science's Core Collection and receiving an Impact Factor places CEJ among established international journals and further increases its attractiveness for high-quality submissions worldwide.

Number of website views per month



10 most viewed articles



2023 CONTENT REPORT

A total of 50 articles were published across four issues released in 2023. CEJ continued to demonstrate strong international reach, publishing work from a broad spectrum of countries. This diversity enhances the scholarly dialogue within the journal and contributes to its global relevance.

The number of authors by country:

- China – 30
- Czech Republic – 10
- Algeria – 4
- Russia – 1
- USA – 1
- Vietnam – 1
- Brazil – 1
- Sweden – 1
- Bangladesh – 1
- Ukraine – 1
- Nepal – 1

This representation demonstrates CEJ's international character, bringing together perspectives from Europe, Asia, North and South America. China and the Czech Republic formed the leading contributors, reflecting both global engagement and strong domestic academic support.

A list of published submission follows:

Volume	Manuscript title	Author(s)	Country
1	<u>POSSIBLE APPROACHES FOR PROCESSING OF SPHERICAL IMAGES USING SFM</u>	David Zahradník, Jakub Vynikal	Czech Republic
1	<u>STUDY ON REMOTE INTELLIGENT MONITORING SYSTEM OF SLOPE BASED ON SARMA ALGORITHM AND ARCGIS</u>	Jian Gong, Kexin Zhang, Houji Zhang, Honglei Zhang	China
1	<u>DETERMINATION OF DESIGN PARAMETERS OF ASPHALT PAVEMENT BASED ON PG TECHNOLOGY</u>	Haitao Zhang, Meiyi Gao, Shengsheng Ma, Huizhong Xiong	China
1	<u>AN INVESTIGATION OF DAMPING MODIFICATION FACTORS CORRESPONDING TO DIFFERENT DAMPING RATIOS FOR SDOF SYSTEMS</u>	Emre Çağlar, Onur Merter	Italy, Turkey
1	<u>FRICITION TEST AND PARAMETER ANALYSIS OF PRESTRESSED CONCRETE CONTINUOUS BEAM BRIDGE</u>	Qingxin Yu, Quansheng Sun, Junyun Liu	China
1	<u>CASE STUDY ON THE LARGE DIAMETER PIPE JACKING FOR UTILITY TUNNEL</u>	Yongfeng Li, Guoqiang Liu, Jian Liu, Jing Huang, Fang Tian, Fan Liu	China

1	<u>EXPERIMENTAL INVESTIGATION OF PERVIOUS CONCRETE TO IMPEL IT IN THE INFRASTRUCTURE OF PAKISTAN</u>	Madiha Shamim Madiha, Hira shakeel, Shafaq Naseer	Pakistan
1	<u>FIELD EXPERIMENTAL STUDY ON EXTERNAL PRESTRESSING REINFORCEMENT OF A 420M PC CONTINUOUS BEAM BRIDGE</u>	Zhonglin Sun, Quansheng Sun, Jianfei Li, Shengqi Yang	China
1	<u>RESEARCH AND APPLICATION OF U-BIT CONSTRUCTION METHOD IN SUBWAY STATION ENGINEERING LOCATED IN SATURATED SOFT SOIL AREA</u>	Yan Guo, Yanfei Zhu, Weiqiang Pan, Ye Jin	China
1	<u>RESEARCH ON A SAFETY EVALUATION SYSTEM FOR RAILWAY-TUNNEL STRUCTURES BY FUZZY COMPREHENSIVE EVALUATION THEORY</u>	Yanfeng Li, Jialong Li, Jihe Zhao, Tongfeng Zhao, Dong Guo	China
2	<u>STRESS AND DEFORMATION ANALYSIS OF A U-SHAPED THIN AQUEDUCT BASED ON SHELL ELEMENT</u>	Chuan Zhao, LUO ZHANG, SA FENG, PENG ZENG, Qiang Zhou, RUI YU	China
2	<u>STUDY ON EARTHQUAKE DESTRUCTION MODE OF THE LARGEST CANAL CROSSING HIGHWAY BRIDGE BASED ON IEM BOUNDARY IN SOUTH-TO-NORTH WATER DIVERSION</u>	Xinyong Xu, Honghao Zhang, Jinchang Liang, Xuhui Liu, Chenlong Xie, Jianwei Zhang	China
2	<u>DESIGN OF AUTONOMOUS POSITION AND SECONDARY ESTIMATION OF ATMOSPHERIC PARAMETERS SENSOR USING LOW-COST GNSS</u>	Lukáš Běloch	Czech Republic
2	<u>STUDY ON THE DRIVING GAZE SHIFT CHARACTERISTICS OF VISION INTERESTING AREA ON MOUNTAINOUS ROAD</u>	Yunwei Meng, Shibao Li, Kang Chen, Binbin Li, Guangyan Qing	China
2	<u>EXPERIMENTAL STUDY ON REAL BRIDGE BEFORE AND AFTER SIMPLE-SUPPORTING TO CONTINUOUS REINFORCED CONCRETE HOLLOW SLAB</u>	Bowen Hu, Jianxi Yang, Quansheng Sun, Chao Zhang	China
2	<u>THE EFFECT OF RECYCLED RUBBER AGGREGATES AND DUNE SAND OF EL-OUED REGION ON THE COMPRESSIVE STRENGTH OF CEMENTITIOUS MORTAR: OPTIMIZATION USING TAGUCHI METHOD</u>	Mohamed Zohair KAAB, Hamad KHELAIFA , Brahim ATHAMNIA, Tarek DJEDID, Abdelkader HIMA	Algeria
2	<u>STUDY ON THE SETTLEMENT LAW OF TUNNEL IN DIATOMITE STRATUM BASED ON STRAIN SOFTENING MODEL</u>	Yan Li, Huijian Zhang, Gongning Liu, Yuchao Zheng, Wei Fang, Lichuan Wang	China
2	<u>STUDY ON THE REASONABLE RSR OF ARCH AND ITS INFLUENCING FACTORS IN PBA METHOD</u>	Jing Sun	China
2	<u>FUNCTIONAL USE OF THE AREA OF PRAGUE CASTLE WITH EMPHASIS ON THE NORMALIZATION PERIOD</u>	Martin Šnorbert	Czech Republic

2	<u>RESEARCH ON THE PREDICTION OF RIGID FRAME-CONTINUOUS GIRDER BRIDGE DEFLECTION USING BP AND RBF NEURAL NETWORKS</u>	Jingyang Liu, Hexiang Wu, Quansheng Sun	China
2	<u>PREPARATION OF THE COMPOSITE ASPHALT MATERIAL AND ITS PERFORMANCE IN ROAD REHABILITATION</u>	Tiezeng Zhu, Xudan Li	China
3	<u>DEFORMATION RULE OF BORED PILE & STEEL SUPPORT FOR DEEP FOUNDATION PIT IN SANDY PEBBLE GEOLOGY</u>	Xuansheng Cheng, Jiuru He, Xinlei Li, Qingchun Xia, Hongling Su, Chaobo Chen	China
3	<u>CONSTRUCTION VERIFICATION OF UNDER-BEARING ARCH BRIDGE BASED ON CONSTRUCTION MONITORING AND TEST</u>	Xilong Zheng, Dachao Li, Kexin Zhang, Xiaojie Xue, Fanhua Min	China
3	<u>HISTORICAL RETAINING WALLS MONITORING: A CASE STUDY OF DEBOSQUETTE WALL OF KYIV-PECHERSK LAVRA</u>	Roman Shults, Mykola Bilous, Andrii Khailak	Saudi Arabia, Ukraine
3	<u>A NEW HYBRID FRAMEWORK OF MACHINE LEARNING TECHNIQUE IS USED TO MODEL THE COMPRESSIVE STRENGTH OF ULTRA-HIGH-PERFORMANCE CONCRETE</u>	Xin Zuo, Die Liu, Yunrui Gao, Fengjing Yang, Guohui Wong	China
3	<u>INFLUENCE OF CONSTRUCTION PERIOD OF BRIDGE ACROSS RESERVOIR ON OPERATION OF ADJACENT POWER STATION</u>	Xi Mao, Hongyu Qiu, Rui Wang, Peiyu Huang, Shuiqian Wang, Nengzhong Lei, Weimin Wu, Songliang Chen, Lele Wang, Jiawen Huang, Zhongquan Xu	China
3	<u>PM2.5 ESTIMATION IN THE CZECH REPUBLIC USING EXTREMELY RANDOMIZED TREES: A COMPREHENSIVE DATA ANALYSIS</u>	Saleem Ibrahim, Martin Landa, Eva Matoušková, Lukáš Brodský, Lena Halounová	Czech Republic
3	<u>EMPIRICAL VULNERABILITY ANALYSIS OF RAILWAY BRIDGE SEISMIC DAMAGE BASED ON 2022 MENYUAN EARTHQUAKE</u>	Jing He, Yong Huang	China
3	<u>RESEARCH ON UNBALANCED WEIGHING EXPERIMENT OF MULTI-POINT BRACED SWIVEL CABLE-STAYED BRIDGE</u>	Zhipeng Tang, Quansheng Sun, Zifeng Gu, Yafeng Zhao, Haoyang Zhang	China
3	<u>ANALYSIS OF THE INFLUENCE OF SIDE WALL OPENING ON THE ARCH STRUCTURE OF METRO STATION USING THE PBA METHOD</u>	Yongxing Dai, Xingkai Pei, Zekun Chen, Bolun Shi, Huijian Zhang, Yujie Yang, Wei Chen	China
3	<u>INVESTIGATION ON THE ROCK-FRAGMENTATION PROCESS OF CONICAL-SHAPED TBM CUTTERHEAD IN EXTREMELY HARD ROCK GROUND</u>	Shijun Chen, Xinyu Jin, Rucheng Hu, Fei Liu, Zhongsheng Hu	China
3	<u>MONITORING AND ANALYSIS OF CANTILEVER JACKING OF HIGH SLOPE PRESTRESSED CONCRETE CONTINUOUS BOX GIRDER</u>	Zhe Zhang, quansheng Sun, chao zhang, Xiaoqian Li	China

4	<u>LIQUID-SOLID COUPLING RESPONSE OF SURROUNDING ROCK MASS OF LARGE-DIAMETER RIVER-CROSSING SHIELD TUNNEL</u>	Shanglong Zhang, Xuansheng Cheng, Xiaoshuang Li, Lei Qi	China
4	<u>RESEARCH ON THE PROTECTIVE EFFECT OF TWIN-GROYNE ARRANGEMENT ON RIVERBANK</u>	Xi Mao, Xiaofan Liu, Chengle Xie, Zhongquan Xu, Jiawen Huang, Henggan Li, Nengzhong Lei, Shuiqian Wang, Lele Wang, Songliang Chen, Hongyu Qiu	China
4	<u>REDUCTION OF INDOOR RADON CONCENTRATION IN A ROOM USING HEAT RECOVERY VENTILATION</u>	Matus Krajčík, František Ďurec, Natalia Mahas	Slovakia
4	<u>SAFETY ASSESSMENT OF CONTINUOUS CONCRETE GIRDER BRIDGES SUBJECTED TO RANDOM TRAFFIC LOADS CONSIDERING FLEXURAL-SHEAR COUPLED FAILURE</u>	Ruifeng Nie, Jinfeng Yao, Songhui Li	China
4	<u>MECHANICAL CHARACTERISTICS OF LARGE-SECTION TUNNEL IN SOFT ROCK BASED ON VARIOUS ROCK CONDITIONS AND EXCAVATION FOOTAGES</u>	Zengyin Xia, Chi Zhang, Pan Cao, Bin Li, Gongning Liu, Huijian Zhang	China
4	<u>TESTING OF CLOSE-RANGE PHOTOGRAMMETRY AND LASER SCANNING FOR EASY DOCUMENTATION OF HISTORICAL OBJECTS AND BUILDINGS PARTS</u>	Almedina Rapuca, Eva Matoušková	Czech Republic
4	<u>FINITE ELEMENT SIMULATION ANALYSIS OF STEEL TRUSS ARCH BRIDGE JACKING CONSTRUCTION</u>	Xilong Zheng; Wei Li, Kexin Zhang	China
4	<u>ANALYSIS AND OPTIMIZATION OF WIND RESISTANCE PARAMETERS FOR LATTICE-TYPE HIGH-MODULUS SUPPORTS BASED ON THE OPTIMAL CRITERIA METHOD</u>	Qingyu Sui, Quansheng Sun, Jianxi Yang, Shijie Wang	China
4	<u>USING OF MODERN TECHNOLOGIES FOR VISUALIZATION OF CULTURAL HERITAGE</u>	Karel Pavelka Jr., Jan Pacina	Czech Republic
4	<u>FLAT ROOF CLASSIFICATION AND LEAKS DETECTIONS BY DEEP LEARNING</u>	David Zahradník, Filip Roučka, Linda Karlovská	Czech Republic

CONCLUSION

The year 2023 was highly productive for the Civil Engineering Journal. With 221 submissions, 40 accepted manuscripts, and 41 published articles, CEJ continued to solidify its role as a respected platform for civil engineering research. The international authorship, rigorous peer-review process, and growing visibility collectively contributed to the journal's most significant achievement to date—the awarding of its first Web of Science Impact Factor, more information can be found on Clarivate Journal Citation Report webpage.

The editorial team extends sincere thanks to all authors, reviewers, editors, and institutional partners for their continued cooperation and support. CEJ looks forward to further strengthening its scientific impact and global community in the coming years.

ACKNOWLEDGEMENT

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