

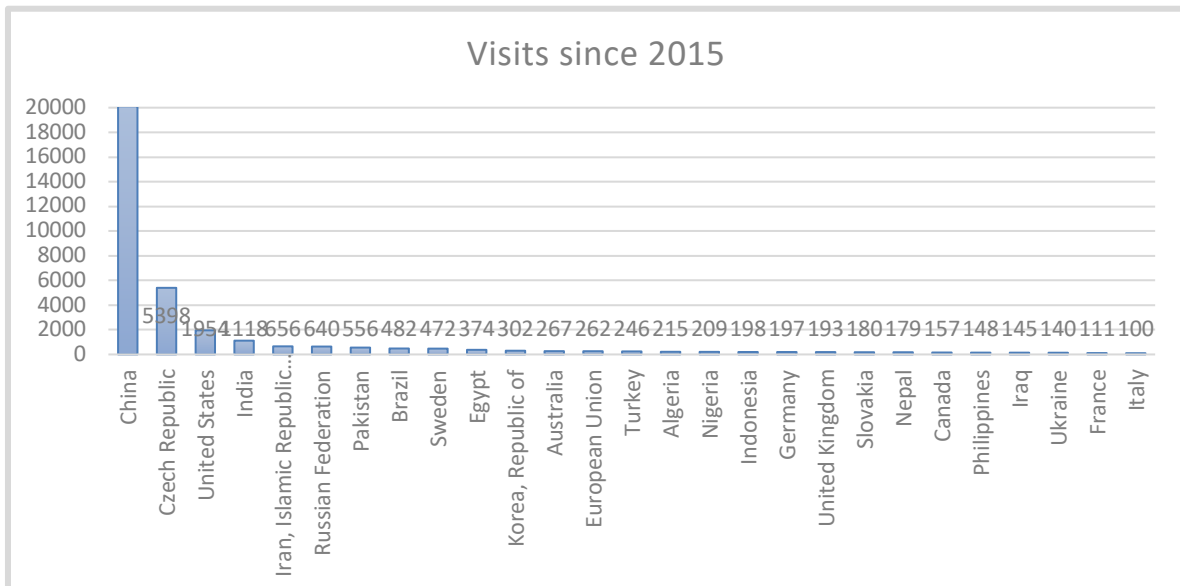
ANNUAL REPORT 2019

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The Civil Engineering Journal published by Czech Technical University in Prague, Faculty of Civil Engineering presents the latest progress in research and development in civil engineering.

PERFORMANCE OVERVIEW

Statistics shows more than 11.600 unique visits to the civilengineeringjournal.cz in 2019 and almost 35,000 since the webpage launch. Five-year statistics in graphical form follow:



2019 CONTENT REPORT

In 2019 the Civil Engineering Journal has published four issues with 55 original manuscripts from 10 countries, 44 manuscripts have been withdrawn. It can be derived that the 44% of articles were withdrawn. Most authors come from China (33) and the Czech Republic (10), there have also been published five manuscripts from Pakistan, two from Australia and one from Iran, Algeria, Turkey, USA, Egypt and Colombia. Number of manuscripts in issue varied from eleven in issue 1 to 17 in issue 4, average number of articles per issue is 14.

A list of published manuscripts with authors and their affiliation follows:

Volume	Manuscript title	Author(s)	Country
1	Calculation and Analysis of the Physical Story Drift of a High-Rise Frame- Diagrid Structure	Feng Zhang, Qingxuan Shi	China
1	Influence Analysis of Rock Mechanical Parameters on TBM Penetrating Rate	Jin Lu, Xiaofan Liao	China
1	Restricted zone of super pave mix design and its impact on resilient modulus and permanent deformation	Arshad Hussain, Fazal Haq, Nauman Javaid, Muhammad Bilal Khurshid	Pakistan
1	Influence of straining beams on the seismic fragility of double-column bridge piers	Yuye Zhang, Feng Xiao, Jahangir Badar	China
1	Evaluation on comprehensive benefit of large-scaled construction project based on fuzzy theory: a case study of Guangzhou in China	Jianfeng Li, Yousong Wang, Chiyu Luo, Fengwei Cai, Hui Yan	China
1	Experimental Evaluation of Calcium Chloride Powder Effect on the Reduction of Dust Emissions of the Pavement Surface Layer	Seyed Ahmad Almasi, Mohammad Mehdi Khabir	Iran
1	Study on the interaction between formwork shoring systems and RC structures in a high-rise building during construction	Suchun Yang, Chengping Qu, Heng Yang	China
1	Construction of New Multi-function Type Artificial Boundary Pillars for Transition from Open Pit to Underground Mining	Honggang Ren, Zhuoying Tan, Panxue Feng	China
1	Experimental study of bituminous mixes, fatigue phenomenon under tandem solicitation at large strain	M'hammed Merbouh	Algeria
1	Water hammer in pipeline with different characteristics of valve closing and unsteady wall friction	Haixiao Jing, Wen Wang, Guodong Li	China
1	Checking the accuracy of laboratory tests	Otto Dvořák, František Wald	Czech Republic
2	Monitoring dynamic deformation of shuttle steel shelves by digital photography	Chengxin Yu, Guojian Zhang, Xinhua Ding, Yongqian Zhao, Guangli Guo	China
2	Bending fatigue properties research of polyurethane cement (PUC)	Kexin Zhang, Quansheng Sun	China
2	Calculation Model and Experimental Study on Sediment Erosion of Slope under External-Soil Spray Seeding	Can Li, Haiqing Zhou, Qianghui Song, Yang Liu, Yixin He	China

2	An analysis of diurnal air temperature range change and its components in Shaheed Benazir Abad Sindh	Nadeem ul karim Bhatti, Saleem Raza Samo, Manthar Ali Keerio, Ahsan Ali, Abdul Aziz Ansari	Pakistan
2	Numerical Analysis about Blasting Effect of Digital Detonator and Millisecond Detonator in Upper and Lower Cross Tunnels	Luo Gang, Pan Shao-kang, Jia Hang-hang, Zhang Yu-long, Chen Liang	China
2	Study on Failure Mechanism of Strip Foundation Buildings Caused by Surface Horizontal Deformation in Mining Area	Xiaopeng Liu, Guangli Guo	China
2	Numerical Investigation of FRP-Strengthened Reinforced Concrete Beams at High Temperatures	Osama El-Mahdy, Gehan Hamdy, Moustafa Abdullah	Egypt
2	A Wireless Railway Monitoring System of Problematic Embankment in Tunnel	Yanxin Yang, Jianlin Ma, Yong Huang	China
2	The research of the variation laws of settlement and internal force of pile groups of railway bridge caused by pumping brine	Guodong Li, Huijun Wu, Yazhou Li, Zhongchang Wang	China
2	W/C reduction for flexural strengthening of R.C beams having plastic aggregate	Akhtar Gul, Saad Tayyab, Asad Ullah, Kamal Shah, Faisal Mehmood, Fazal Haq	Pakistan
2	Designs for T Shape Fishways	Xi Mao, Jiehao Zhang, Kai Tang, Weiyang Zhao	China, Australia
2	Multi-objective optimization of supporting plan for deep foundation using entropy-based UM-DEA	Shi Huawang, Du Jingkun, Yang Jing	China
2	Priority metering control for an urban circular intersection	Xinlu Ma, Ping Yi, Vinod Bolla	China, USA
3	Experimental study on energy dissipation connecting beam of active powder reinforced concrete shear wall	JIA Ru-da	China
3	Complex static and dynamic protection of Historic buildings from the effects of natural seismicity	Jiří Witzany, Radek Zigler, Tomáš Čejka, Aneta Libecajtová	Czech Republic
3	Application of BIM during lean construction of high-rise buildings	Suchun Yang	China
3	Destructive testing of twenty-year-old prestressed concrete bridge beams in freezing-thawing region	Liu Jin-liang, Jia Yan-min	China
3	Mathematical modelling of clinker production with serial flow preheater cyclones and precalciner	Ahmet Kolıp	Turkey
3	Experimental research on shear strength characteristics of soil-rock mixtures	Zhijun Zhou, Dandan Han, Wei Yu, Yaqin Dong	China
3	Study on the formation mechanism of bonding layer around pile body in soft clay	Jiang Yue-Nan, Chen Song	China
3	Strains of rock during uniaxial compression test	Martin Závacký, Jan Štefaňák	Czech Republic
3	Two-stage Construction Process Analysis For Multi-story Long-span Building Structure	Hui Wang, Fang Yang, Bo Shen, Ke-jian Ma, Tian-hong Zheng, Yu-hui Fan	China

3	A method for determining Rayleigh damping parameters of complex field	Huai-feng Wang, Ru-lin Zhang	China
3	Complex static and dynamic protection of Historic buildings from the effects of technical seismicity	Jiří Witzany, Radek Zigler, Tomáš Čejka, Jan Kubát	Czech Republic
3	An experimental Study on Performance of Shape Memory Alloy Suspension Pendulum Damping System	Ergang Xiong , Sheliang Wang, Tuanjie Fan, Linbo Liu, Kun Zu, Yanghong Xi	China
3	CATIA-based BIM Technology in Highway Tunnel Design	Tao Yang, Yuquan Lu, Haiyang Qin	China
3	Rutting and moisture susceptibility assessment of asphalt wearing course gradation	Muhammad Kamran Khan, Arshad Hussain	Pakistan
4	Experimental research into the response of a monumental historic structure to traffic-induced effects of technical seismicity	Jiří Witzany, Radek Zigler, Shota Urushadze	Czech Republic
4	Truss structure optimization based on improved wolf pack algorithm	Yan-cang LI, Zong-jin YANG, Cheng-hua Dang	China
4	Evaluation of masonry grouting effectiveness using thermography and ultrasonic methods	Radek Zigler	China
4	The Measurement of High-Speed Railway (HSR) Precision Engineering	Alhossein Mohamed, Qiyuan Peng , Malik Muneeb Abid	China, Pakistan
4	Statistical Study of MODIS Algorithms in Estimating Aerosol Optical Depth over the Czech Republic	Saleem Ibrahim, Lena Halounova	Czech Republic
4	Influence of panel zone sizes on ultimate bearing capacity of Chinese H-shaped steel frames	Yan Zhang, Huijuan Liu, Yuhong Yang, Enhe Bao	China
4	Physical and mechanical properties of recycled PET composites	Yurani García Quintero, Daniel Ruíz Figueroa, Harveth Gil, Alejandro Alberto Zuleta	Colombia
4	A study on the ultimate load bearing capacity of carbon fibre reinforced polymer tensegrity system in a suspend dome	IfeOlorun Olofin, Ronggui Liu	China
4	Effect of moisture on the interface of timber and externally bonded fibre reinforced polymers: a review paper	Nayan Das, Rijun Shrestha	Australia
4	Geometry Construction Method of Hex-Tri Reciprocal Frame	Lin Qi, Wenbo Zhang, Zifei Li, Ronglai Sun, Xin Huang	China
4	Historical atlases	Petra Jílková, Tomáš Janata	Czech Republic
4	Mechanism of efficiency of selected Nano systems intended for consolidation of porous materials	Klára Kroftová, David Škoda	Czech Republic
4	Finite element analysis of the seismic behaviour of the assembled light steel frame- light wall structures	Liu Wenchao, Chen Zheng, Wang Cheng, Dong Hongying, Wang Ruwei	China
4	Parametric modelling for HBIM: design of window library for rural building	Zdeněk poloprutský	Czech Republic
4	a Comparison of the effectiveness of grouting methods, penetration and surface application of	Tomáš Čejka, Jiří Karas, Jan Kubát	Czech Republic

	gels in increasing the strength of historic masonry		
4	Study on the Influence of Safety Education on the Willingness of Construction Workers to Habitual Safety Behaviour	Mei Shang, Wei Zhang	China
4	Vertical wall structures in tenement houses at the turn of the 19th and 20th centuries	Martin Ebel	Czech Republic

CONCLUSION

Five years of the Civil Engineering Journal has been a great success. The journal's awareness worldwide is constantly growing and there are more website visits and articles than ever before. The number of articles has risen to 55 (6 more than in previous year) and it can be said, that Civil Engineering Journal constantly strengthens its position among authors from Asia.

In January 2019 editors have send a title suggestion into the Scopus database. The final decision has not been received before end of year 2019.

ACKNOWLEDGEMENT

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