

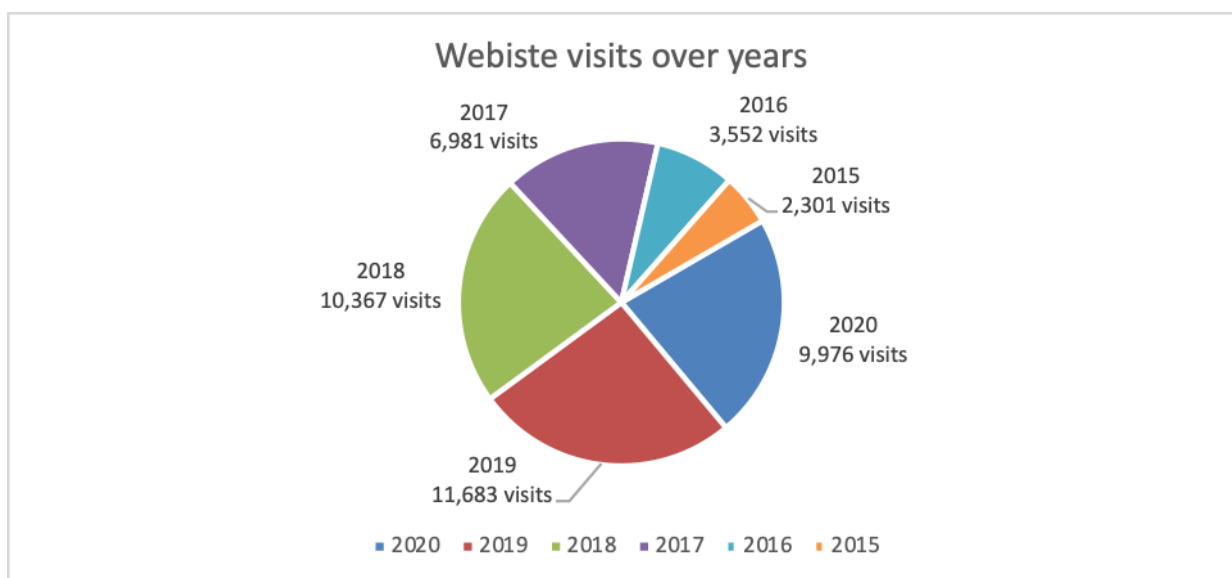
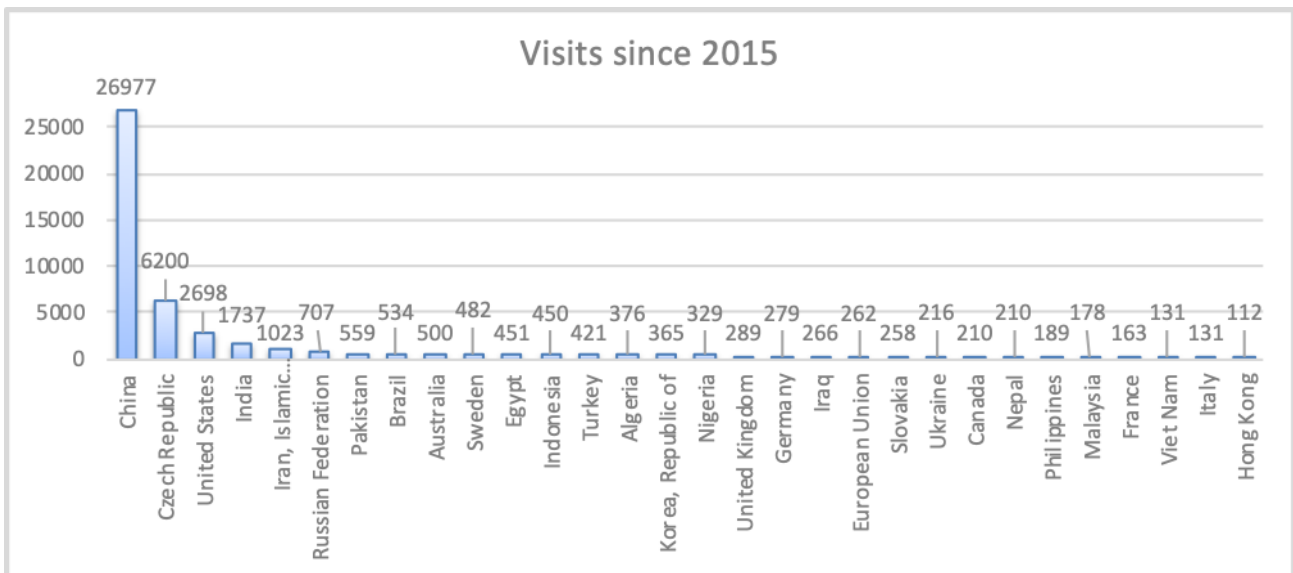
ANNUAL REPORT 2020

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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 nearly 10,000 unique visits to the civilengineeringjournal.cz in 2020 and almost 49,000 since the webpage launch. Six-year statistics in graphical form follow:



2020 CONTENT REPORT

In 2020 the Civil Engineering Journal has published four issues with 51 original manuscripts with authors from 15 countries, 91 manuscripts were withdrawn due to various reasons. The main reason for manuscript rejection is not passing the reviewing process. It can be derived that the 64% of articles were withdrawn. Most authors come from China (19) and the Czech Republic (13), there have also been published five manuscripts from Iran, four from India, two from Nigeria and Indonesia. One article came from Algeria/Syria, Ukraine, Romania/Iran, Tunisia/Saudi Arabia, Turkey and USA. Number of manuscripts in issue varied from eleven in issue 1 to 15 in issue 4, average number of articles per issue is 12.

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

Volume	Manuscript title	Author(s)	Country
1	EFFECT OF KAOLIN ADDITION INTO METAKAOLIN GEOPOLYMER COMPOSITE	Alexey Manaenkov, Michaela Steinerová, Ekaterina Kukleva and Jiří Litoš	Czech Republic
1	FLEXURAL PERFORMANCE OF COLD-FORMED THIN-WALLED STEEL-PAPER STRAW BOARD COMPOSITE SLAB	Xiuhua Zhang, Zilin Zhao, Xiang Li	China
1	METHODOLOGY FOR CITY LEVEL URBAN ROAD NETWORK CONNECTIVITY ANALYSIS USING GEOGRAPHICAL INFORMATION SYSTEMS (GIS)	Kurre Sai Sahitya, CSRK Prasad	India
1	FIELD TEST ON THE COOPERATION OF NSM STRENGTHENING AND EXTERNAL TENDON RETROFITTING TECHNIQUE	Jianxi Yang, Jiaping Yu, Quansheng Sun, Hongshuai Gao and Jiawei Wang	China
1	SELF FIBER COMPACTING CONCRETE (SFCC) PROPERTIES INCORPORATED WITH SILICA FUME AND FIBER	Hakas Prayuda, Fanny Monika, Martyana Dwi Cahyati and Fadillawaty Saleh	Indonesia
1	ANALYTICAL SOLUTION AND FIELD TEST OF CRITICAL BEARING CAPACITY AND SETTLEMENT OF PILE TIP	Suchun Yang, Junwei Liu, Mingyi Zhang, Yonghong Wang	China
1	A NEW BLAST-RESISTANT DESIGN METHOD OF RC MEMBERS AND ITS APPLICATION IN PERFORMANCE BASED BLAST-RESISTANT DESIGN PROCEDURE	Runqing Yu, Diandian Zhang, Yujun Cang, Sen Li	China
1	REMEDICATION TECHNOLOGY OF CLOCHE REPLACEMENT FOR WW2 FORTIFICATION IN THE CZECH REPUBLIC	Jiří Pazderka, Michal Ženíšek, Tereza Pavlů, Pavel Reiterman, Ondřej Holpaček	Czech Republic
1	STUDY ON THE PERFORMANCE OF HIGH-MODULUS ASPHALT CONCRETE PAVEMENT IN EXTREME CURVES OR STEEP SLOPES OF TRUNK HIGHWAY	Honglei Zhang, Mingrui Yang, Youcheng Ma	China
1	ANALYSIS ON CONSTRUCTION DEFORMATION AND SUPPORTING STRUCTURE OF TWO-STEP AND THREE-SECTION EXCAVATION METHOD FOR SUPER LARGER SPAN HIGHWAY TUNNEL	Fujin Hou, Yanbin Luo, Qing Jiang, Jianxun Chen, Tao Li, Fangfang Dong	China
1	CHARACTERISATION OF THERMAL-LOADED CEMENT-BASED COMPOSITES BY COMBINED TIME-LAPSE TOMOGRAPHY AND THE FOUR-	Ivana Kumpová, Tomáš Fíla, Petr Koudelka, Iva Rozsypalová, Zbyněk Keršner, Daniel Kytýř,	Czech Republic

	POINT BENDING TEST	Michal Vopálenský, Daniel Vavřík	
2	THE EFFECT OF CONCRETE-STEEL INTERFACE MODEL ON FINITE ELEMENT ANALYSIS OF CONCRETE FILLED SQUARE STEEL TUBE BEAM	Mahmud Kori Effendi	Indonesia
2	PERFORMANCE ANALYSIS OF HIGH STEEL TUBE LATTICE SUPPORT SYSTEM IN TYPHOON AREA	Shijie Wang, Quansheng Sun and Jianxi Yang	China
2	EFFECT OF FREEZING AND THAWING ON THE STRENGTH AND DURABILITY OF SANDY SUBGRADE CONTAINING FIBRILLATING NETWORK FIBER FOR PAVEMENT	Mohammad Mehdi Khabiri and Bahareh Ebrahimalavijeh	Iran
2	STABILITY ANALYSIS OF A ROCKY SLOPE CONSIDERING EXCAVATION UNLOADING EFFECT	Chuan Zhao, Linlin Jiang, Xiaopeng Li and Simin Luo	China
2	CHANGE IN RESILIENT MODULUS OF BASE LAYERS IN ASPHALT PAVEMENT STRUCTURES OVER TEXAS	Nitish Raj Bastola and Mena Souliman	USA
2	EFFECT OF VEHICLE QUALITY AND SPEED ON THE IMPACT CHARACTERISTICS OF AN OVERPASS BRIDGE PIER	Shijie Wang, Quansheng Sun and Jianxi Yang	China
2	EXPERIMENTAL STUDY ON THE SEISMIC DAMAGE OF AEOLIAN SAND CONCRETE COLUMNS WITH DIFFERENT REINFORCEMENTS	Yaohong Wang, Xiaoyan Ma, Qing Han, Qi Chu and Zeping Zhang	China
2	ENVIRONMENTAL LEAKAGE POLLUTIONS EVALUATIONS IN URBAN WATER DISTRIBUTION NETWORK USING UNACCOUNTED WATER PRINCIPLES (SHOKUHIEH INDUSTRIAL TOWN IN IRAN)	Siamak Boudaghpour and Saeideh Sabooteh	Iran
2	FIELD LOADING-TEST BASED SHM SYSTEM SAFETY STANDARD DETERMINATION	Jiaping Yu, Chunwei Li, Quansheng Sun	China
2	GEOSPATIAL AND TEMPORAL ANALYSES OF RURAL AREA FOR VEGETATION ANALYSIS	Paulina Raeva and Karel Pavelka, Jr.	Czech Republic
2	FILTRATION VELOCITY OF WATER IN COARSE PLASTIC PARTICLES	Lukáš Svoboda, Tomáš Pícek, Štěpán Zrostlík and Mikoláš Kesely	Czech Republic
2	DESIGN OF HIGH-SPEED RAILWAY (HSR) LONG-DISTANCE TUNNEL INDEPENDENT CONTROL NETWORK	Alhossein Mohamed and Peng Qiyuan	China
3	COMPARATION OF THE ECONOMIC CYCLE ON LABOUR MARKET IN THE CONSTRUCTION INDUSTRY AND IN THE NATIONAL ECONOMY OF THE CZECHIA	Božena Kadeřábková, Emilie Jašová	Czech Republic
3	SEISMIC PERFORMANCE EVALUATION OF A MASONRY BUILDING SUBJECTED TO NEAR AND FAR FIELD	Özden Saygılı	Turkey
3	DYNAMIC CONSTRUCTION CONTROL METHOD FOR A DEEP FOUNDATION PIT WITH SAND-PEBBLE GEOLOGY	Xuansheng Cheng, Bingbing Luo, Haibo Liu, Qingchun Xia and Chaobo Chen	China

3	SUGARCANE STRAW ASH EFFECTS ON LIME STABILIZED LATERITIC SOIL FOR STRUCTURAL WORKS	Olugbenga Oludolapo Amu, Christopher Ajiboye Fapohunda, Oluwaseun Adedapo Adetayo, Moronfolu Festus Ilesanmi	Nigeria
3	ESTIMATION OF SWELLING PRESSURE OF EXPANSIVE SOILS REINFORCED WITH GRANULAR PILE	Kundan Meshram and P.K. Jain	India
3	SEISMIC PERFORMANCE OF TANK FOUNDATIONS IMPROVED WITH STONE COLUMNS	Saeid NikKhah Nasab	Iran
3	EFFECT OF WATER-CEMENT RATIO, CEMENT DOSAGE, TYPE OF CEMENT AND CURING PROCESS ON THE DEPTH OF CARBONATION OF CONCRETE	Malek Jedidi, Omrane Benjeddou, Chokri Soussi	Tunisia, Saudi Arabia
3	STUDY ON OPTIMAL COMBINATION SETTLEMENT PREDICTION MODEL BASED ON LOGISTIC CURVE AND GOMPERTZ CURVE	Bolin Wang, Xu Wang and Xuening Ma	China
3	COHESION TEST OF A SINGLE IMPREGNATED AR-GLASS ROVING IN HIGH-PERFORMANCE CONCRETE	Tomáš Vlach, Jakub Řepka, Jakub Hájek, Richard Fürst, Zuzana Jirkalová and Petr Hájek	Czech Republic
3	DEM STUDY ON THE PENETRATION OF JACKED PILES INTO LAYERED SOFT CLAY	Suchun Yang, Mingyi Zhang and Songkui Sang	China
3	EXPERIMENTAL RESEARCH INTO THE RESPONSE OF HISTORICAL STRUCTURE TO THE EFFECTS OF NATURAL SEISMICITY	Tomáš Čejka and Aneta Libecajtová	Czech Republic
3	ESTIMATION OF DISPLACEMENT CAPACITY OF RECTANGULAR RC SHEAR WALLS USING EXPERIMENTAL AND ANALYTICAL DATABASE	Florin Pavel, Petru Panfilii, Ehsan Noroozinejad Farsangi	Romania, Iran
4	MATERIALS AND TECHNOLOGIES FOR THE CONSOLIDATION OF HISTORIC PLASTERS BY THE WETTING AND SURFACE PENETRATION METHOD	Klára Kroftová and Tomáš Čejka	Czech Republic
4	CIRCULAR FOUNDATION PARAMETERS OPTIMIZATION BY METHOD OF BOUNDARY ELEMENTS	Alla Morgun, Ivan Met and Roksolana Malachkovska	Ukraine
4	GROUTED SLEEVE CONNECTION FOR PRECAST CONCRETE MEMBERS	Kulondwa Kahama Espoir , Xie Fuzhe and Geng Haojie	China
4	PRINCIPLES AND INSTRUCTIONS FOR COMPLEX PROTECTION OF HISTORIC BUILDINGS WITH VAULTED STRUCTURES FROM THE EFFECTS OF DYNAMIC LOADS	Jiří Witzany	Czech Republic
4	PREDICTION OF TBM PENETRATION RATE OF WATER CONVEYANCE TUNNELS IN IRAN USING MODERN METHODS	Alireza Afradi, Arash Ebrahimabadi and Tahereh Hallajian	Iran
4	SEISMIC DAMAGE FIELD OBSERVATION AND VULNERABILITY ANALYSIS OF MULTILAYER REINFORCED CONCRETE FRAME STRUCTURE	Siqi Li, Tianlai Yu and Jianqiang Yu	China
4	DEVELOPMENT OF RURAL ARCHITECTURE – DESIGN AND CREATION OF A WEB DATABASE	Petr Soukup and Kryštof Sýkora	Czech Republic
4	MEASUREMENT OF TRAFFIC CONGESTION FOR INDORE	H.S. Goliya, Kundan Meshram, Suchetan Mahapatra	India

4	STUDY ON THE INFLUENCE OF CABLE/SLING DAMAGE ON THE NATURAL VIBRATION CHARACTERISTICS OF SPECIAL-SHAPED CABLE-STAYED ARCH BRIDGE WITHOUT BACK CABLE	Kexin Zhang, Tianyu Qi, XingWei Xue, Zhimin Zhu, Quansheng Sun	China
4	APPLICATION OF GEOMATICS METHODS IN THE RESEARCH OF STRUCTURES OF HISTORICAL KITCHENS	Miroslava Cejpková, Zdeněk Poloprutský, Štěpánka Poučková, Adam Bujok and Michael Rykl	Czech Republic
4	MODELING AND SIMULATION OF MECHANICAL PROPERTIES OF PULVERIZED COW BONE AND LATERITIC PAVING TILES	Peter O. Omoniyi, Jacob O. Aweda, Idehai O. Ohijeagbon, Ridwan A. Busari and Mustapha Ndagi	Nigeria
4	STUDY ON EARTHQUAKE DAMAGE MECHANISM OF AQUEDUCT STRUCTURE BASED ON DIFFERENT BOUNDARY	Xinyong Xu, Xuhui Liu, Cheng Zhang, Xinyun Xu, Jianwei Zhang	China
4	IMPACT OF ECO FRIENDLY BLAST FURNACE SLAG ON PRODUCTION OF BUILDING BLOCKS	Ashish Nim and Kundan Meshram	India
4	TEMPERATURE MODELLING IN ASPHALTIC CONCRETE FACINGS, THE REFLECTIVE SURFACE EFFECT SIMULATION CASE STUDY: GHRIB DAM (AIN DEFLA, ALGERIA)	Chebbah Lynda, Djemili Lakhdar, Chiblak Mohamed, Bouziane Mohammed Tawfik	Algeria, Syria
4	MATERIALS AND TECHNOLOGIES FOR THE STRENGTHENING OF HISTORIC MASONRY BY THE DEEP GROUT INJECTION AND SURFACE PENETRATION METHOD	Jiří Witzany, Radek Zigler, Klára Kroftová, Tomáš Čejka, Jan Kubát	Czech Republic

CONCLUSION

The sixth year of the Civil Engineering Journal showed that Civil Engineering Journal constantly strengthens its position among authors from Asia and Middle East. The number of articles constantly exceeds 50 and the number of authors provenience reached 15 (five more than in 2019). The journal's awareness worldwide is constantly growing and there are more website visits ever before.

During 2020 the redaction team decided to move the publishing process to a new Open Journal System (OJS) platform. The new system is used for manuscripts submitted from December 2020 onwards. The new webpage (<https://ojs.cvut.cz/ojs/index.php/cej>) and contact cej-redaction@cvut.cz fully replaces the original. The update motivation lies in the number of submitted papers that is constantly rising and reached over 150 in 2020. The redaction team believes that with the new system the reviewing process will be easier to manage and authors will receive submission information faster due to online submission process and user friendly management.

ACKNOWLEDGEMENT

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