

ISSN: 2322-0856
Vol 8, Issue 1
Jan. 2026

Journal of Progress in Civil Engineering

Journal of Progress in Civil Engineering (JPCE)

ISSN: 2322-0856

Bryan House Publishing Limited
contact@bryanhouspub.org
www.bryanhouspub.org
Telephone:
0044-121-7813744



BRYAN HOUSE PUBLISHING LIMITED
Multidisciplinary Academic Journal Publisher



Journal of Progress in Civil Engineering (JPCE)

ISSN 2322-0856

Aims and Scope

Introduce the new peer-reviewed, open access journal entitled *Journal of Progress in Civil Engineering (JPCE)* is an international open access journal publication by Bryan House Publishing Limited. We aim to provide a medium of communication for scholarly discussing the developments of Civil and Environmental Engineering sciences.

All manuscripts must be prepared in English and are subject to a rigorous and fair peer-review process. The journal publishes original papers including but not limited to the following fields:

- Assemblage and System
- Behavior of Structures
- Behavior of Structures under Seismic Loads
- Building and Environmental Acoustics
- Building Climate Systems
- Building Energy
- Civil and Environmental Engineering
- Coastal Engineering
- Composite Materials
- Concrete Structures
- Construction Economics
- Construction Engineering
- Design and Performance of Green Building
- Design Optimization of Structures
- Earthquake Engineering
- Energy Efficient Building Technology
- Energy Saving Building Materials
- Fire Engineering
- Foundations Dynamics
- High Performance Concrete
- Hydraulic Engineering
- Life Cycle Engineering
- Materials and Durability
- Materials Engineering
- Municipal or Urban Engineering
- Nondestructive Testing and Evaluation
- Numerical Modelling of Structures
- Optimal Design of Structures
- Properties and Mechanics of Concrete
- Simulation Optimization and Risk Management
- Soil-Structure Interaction
- Structural Engineering
- Structural Reliability Analysis
- Surveying
- Sustainable Structures
- Transportation Engineering
- Ventilation and Indoor Air Quality
- Water Supply and Drainage

We are also interested in: 1) Short Reports - 2-5 page papers where an author can present either preliminary data or an idea with theoretical background but has not yet completed the research needed for a complete paper; 2) Book Reviews - Comments and critiques.

Bryan House Publishing Limited.

E-Mail: contact@bryanhouspub.org

Official Website: www.bryanhouspub.org

Address: Flat 4, Huntingdon House Faulkers Farm Drive Edington,
Birmingham West Midlands, United Kingdom, B23 7XF.

Telephone: 0044-121-7813744

Journal of Progress in Civil Engineering (JPCE)

ISSN 2322-0856

Editorial Board

Editor-in-Chief

Dr Emilio Bilotta, Università degli studi di Napoli Federico II

Editorial Board Members

Huriye Bilsel, Geotechnical Engineering, Department of Civil Engineering, Eastern Mediterranean University, Famagusta, North Cyprus

Mariacristina Bonini, Research Assistant and Consultant in Geotechnical Engineering, Politecnico di Torino, Italy

Edward Brylawski, President, GEONOR Instrumentation, Milford, Pennsylvania USA

Joseph A. Caliendo, Department of Civil and Environmental Engineering, Utah State University, Logan UT USA

Helder I. Chamin, Professor-Coordenador, Departamento de Engenharia Geotécnica ISEP|IPP, Porto, Portugal

Dave H. Chan, Department of Civil Engineering, University of Alberta, Edmonton, Alberta, Canada

Deepankar Choudhury, Associate Professor, Department of Civil Engineering, Indian Institute of Technology (IIT) Bombay, Powai, Mumbai, India

Copyright

Journal of Progress in Civil Engineering (JPCE) is licensed under a Creative Commons-Non-Commercial 4.0 International Copyright (CC BY-NC4.0). Readers shall have the right to copy and distribute articles in this journal in any form in any medium, and may also modify, convert or create on the basis of articles. In sharing and using articles in this journal, the user must indicate the author and source, and mark the changes made in articles. Copyright © Bryan House Publishing Limited. All Rights Reserved.

CONTENTS

- 1 Hydrogeochemical Characterization and Numerical Flow Modeling of the Ujjain Aquifer System**
Themchuiso Vashum
- 5 An Energetic Framework for Human Psychodynamics: Modeling the Interplay of Behavior, Emotion, and Homeostatic Balance**
Oinam Shantibala Devi
- 9 Multi-objective Optimization of Passive Flexible Protection Network Layouts for Rockfall Hazards Based on Evolutionary Algorithms**
Jiayu Yan, Shengwu Qin, Yong Tao, Wendi Rao, Zhenmin Chen, Shuhao Dong
- 23 Mechanical Properties and Wellbore Stability Analysis of Beipiao Oil Shale**
Zigui Li, Kun Bo
- 28 A Study on the Sustainable Solution for the Construction Industry: Mitigating Air, Water, Soil, and Noise Pollution through Pre-Engineered Structures**
Abraham Mlayng, Christopher Mgonja
- 35 Fractal Characteristics of Landslide Slope Variation-a Case Study of Lanzhou**
Chunsi Wang, Yan Lv
- 42 Study on Creep Characteristics of Soft Rock in the Foundation of a Power Plant**
Haoqin Mei, Ziwang Yu, Chuanxiang Zhang, Xu Guo
- 47 The Multi-Level Classification Strategy for Rock Surface 3D Point Clouds**
Zhenmin Chen, Shengwu Qin, Yong Tao, Wendi Rao, Jiawei Qi, Jiayu Yan
- 56 Sustainable Material Selection Framework for Temporary Infrastructure in Goa**
Yaoyo Vashum