

ISSN: 2328-4889

Vol. 4, No. 1, March 2016



Journal of Building Construction and Planning Research



ISSN: 2328-4889



www.scirp.org/journal/jbcpr

Journal Editorial Board

ISSN Print: 2328-4889 ISSN Online: 2328-4897

<http://www.scirp.org/journal/jbcpr>

Editor-in-Chief

Dr. Gwang-Hee Kim Kyonggi University, South Korea

Associate Editor-in-Chief

Dr. Yoonseok Shin Kyonggi University, South Korea

Regional Editors

Prof. Sudhirkumar V. Barai	Indian Institute of Technology Kharagpur, India
Dr. Ayman Batisha	Cairo University, Egypt
Dr. Chi-Kwan Chau	The Hong Kong Polytechnic University, China
Dr. Tsuyoshi Kigawa	Wakayama University, Japan
Prof. Sunkuk Kim	Kyung Hee University, South Korea
Dr. SangHyun Lee	University of Michigan, USA
Dr. Milan Radosavljevic	University of Reading, UK
Dr. Llewellyn Tang	University of Nottingham (China Campus), China
Dr. Jian Zuo	University of South Australia, Australia

Editorial Board

Dr. Joonsuk Ahn	Kyonggi University, South Korea
Dr. Yong Han Ahn	Western Carolina University, USA
Dr. Sung-Hoon An	Daegu University, South Korea
Dr. Antonio Bilotta	University of Naples Federico II, Italy
Prof. Robert Cerny	Czech Technical University in Prague, Czech Republic
Dr. Carlos Chastre	NOVA University of Lisbon, Portugal
Dr. Ali Cheshmehzangi	University of Nottingham, China
Dr. Hunhee Cho	Korea University, South Korea
Dr. Kyuman Cho	Chosun University, South Korea
Dr. Youngjun Cho	Cardiff University, UK
Dr. Hee-Bok Choi	Jeju National University, South Korea
Dr. Kunhee Choi	Texas A&M University, USA
Prof. Jui-Sheng Chou	National Taiwan University of Science and Technology, Chinese Taipei
Dr. Sutapa Das	Indian Institute of Technology Kharagpur, India
Dr. Jae-Weon Jeong	Hanyang University, South Korea
Dr. Jin-Kyu Joo	Kyonggi University, South Korea
Dr. Seok-Jin Kang	Gyeongsang National University, South Korea
Dr. Youngcheol Kang	Florida International University, USA
Prof. Chang Sung Kim	Hyupsung University, South Korea
Dr. Jae-Yeob Kim	Korea National University of Transportation, South Korea
Prof. Jin-Wook Kim	Seoul National University of Science & Technology, South Korea
Dr. Tae-Hui Kim	Mokpo National University, South Korea
Dr. Dan Koo	Indiana University-Purdue University Indianapolis, USA
Dr. Hyung-Sook Lee	Gachon University, South Korea
Dr. Ung-Kyun Lee	Kwandong University, South Korea
Dr. Pin-Chao Liao	Tsinghua University, China
Dr. Sang-Tae No	Korea National University of Transportation, South Korea
Dr. Kenneth S. Park	Massey University, New Zealand
Dr. U-Yeol Park	Andong National University, South Korea
Dr. Boong Yeol Ryoo	Texas A&M University, USA
Prof. Deok Seok Seo	Halla University, South Korea
Dr. Kyung Wook Seo	Kyonggi University, South Korea
Dr. Minho Seo	Korea Research Institute of Human Settlements, South Korea
Dr. Kiyong Son	University of Ulsan, South Korea
Dr. Sung Joon Suk	Western Carolina University, USA
Dr. Johnny Kwok Wai Wong	The Hong Kong Polytechnic University, China
Dr. Bo Xia	Queensland University of Technology, Australia
Dr. Liang Xia	University of Nottingham, China
Prof. Keun-Hyeok Yang	Kyonggi University, South Korea

Table of Contents

Volume 4 Number 1

March 2016

The Evaluation Method of Gully Village’s Ecological Sustainable Development in the Gully Regions of Loess Plateau

T. Zhang, Q. N. Hu, H. Fukuda, D. Zhou.....1

Measuring Exterior Housing Quality in Four Older-Urban Neighbourhoods in Windsor, Ontario

A. G. Phipps.....13

Characterizing Electrical Output of Bifacial Photovoltaic Modules by Altering Reflective Materials

S. Sciara, S. J. Suk, G. Ford.....41

Development an Adaptive Environmental Assessment Method for Buildings

A. K. M. Shamseldin.....56

Strategic Environmental Assessment of Towns in Ecuador with Tourism Potential

L. Ruiz.....83

Coping and Constructing: A Narrative Perspective on Project Dynamics

R. Hoogeveen, M. B. Veenswijk.....89

Journal of Building Construction and Planning Research (JBCPR)

Journal Information

SUBSCRIPTIONS

The *Journal of Building Construction and Planning Research* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$39 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

COPYRIGHT AND REUSE RIGHTS FOR THE FRONT MATTER OF THE JOURNAL:

Copyright © 2016 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

COPYRIGHT FOR INDIVIDUAL PAPERS OF THE JOURNAL:

Copyright © 2016 by author(s) and Scientific Research Publishing Inc.

REUSE RIGHTS FOR INDIVIDUAL PAPERS:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

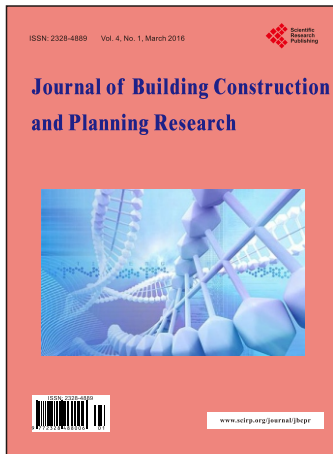
DISCLAIMER OF LIABILITY

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: jbcpr@scirp.org



Journal of Building Construction and Planning Research

ISSN: 2328-4889 (Print) ISSN: 2328-4897 (Online)
<http://www.scirp.org/journal/jbcpr>

Journal of Building Construction and Planning Research (JBCPR) is an open access, scholarly peer reviewed and refereed journal published in electronic form as well as print form. The JBCPR publishes original research, state-of-the-art review articles, discussion papers, innovative industrial application, insightful case studies, and book reviews from experts in the field of building construction and planning. The extensive knowledge, experimental findings, and practical information produced by the journal have become significant resources for innovations in building construction and planning. The journal aims to promote technical and scientific advances in building construction and planning among academia, professionals, consultants and students by stimulating research, encouraging academic exchange and enhancing professional development. The editors welcome high-quality contributions from all over the world.

Subject Coverage

Topics of interest include, but are not limited to the following:

- Applications of Computer Models, Techniques, and Equipment
- Building Conservation
- Building Design and Operation
- Building Heritage
- Building Maintenance and Repairs
- Building Planning
- Building Remodeling
- Building Systems & Components
- Construction Management
- Construction Materials
- Construction Methods
- Construction Safety
- Crime Prevention through Environment Design
- Education Relate to Building Construction and Planning
- Emerging Building Technology and Materials
- Energy Consumption & CO₂ Emissions of Materials
- & Construction Methods
- Environmental Engineering of Buildings
- Environmental Pollution in Buildings
- Green Building Design & Technology
- High-Rise Building Design and Construction
- History of Construction and Architectural Engineering
- HVAC System for Building
- Landscape Planning and Design for Building
- Passive House Design and Construction
- Performance of Buildings
- Project Management
- Recycling of Building Materials
- Specification for Building Construction
- Sustainable Development of Building
- Urban Planning and Development
- Urban Renewal
- Other Fields Related to Building Construction and Planning

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

Website and E-Mail

<http://www.scirp.org/journal/jbcpr>

E-mail: jbcpr@scirp.org

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

What is Open Access?

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience



**Scientific
Research
Publishing**

Website: <http://www.scirp.org>

Subscription: sub@scirp.org

Advertisement: service@scirp.org