

## Asian Journal of Environment-Behaviour Studies

Vol. 5, No.16, May / Aug 2020

elSSN: 2514-751X

DOI: http://dx.doi.org/10.21834/ajebs.v5i16



## Architectural Space Alters the Expression of Gene that Regulate Physical and Emotional Stress

Ammar Ayman Zaino, Mohamed Yusoff Abbas

Designing and Developing a Questionnaire on Autistic Learning Environment Roslinda Ghazali, Siti Rasidah Md Sakip, Ismail Samsuddin

Motivations of Managers in Relation to Previous Experiences on Citizen-based Community Spaces Han Changhee, Satoshi Nasu

Preschool Physical Environment Design Quality: Addressing Malaysia's PISA Rankings Mariam Felani Shaari, Sabarinah Sheikh Ahmad, Izaham Shah Ismail, Yazid Zaiki

Technical Tours as Special Interest Tourism in the Urban Context: A case study of Kuala Lumpur Khalilah Zakariya, Roziha Che Haron, Zeenat Begam Yusof, Iliyani Ibrahim

> Available Online: www.e-iph.co.uk

Indexed in: scienceopen.com

An international publication published three times annually by e-IPH, Ltd., UK, for the Association of Malaysian Environment-Behaviour Researchers (AMER): Association of Behavioural Researchers on Asians ABRA); Centre for Environment-Behaviour Studies (cE-Bs), Faculty of Architecture, Planning & Surveying, Universiti Teknologi MARA, Malaysia

eISSN: 2514-751X © 2020. The Authors. Published for AMER ABRA cE-Bs by e-International Publishing House, Ltd.,U.K. This is an open access publication under the CC BYNC-ND license (http://creativecommons.org/licenses/by-nc- nd/4.0/). Peer-review under responsibility of AMER (Association of Malaysian Environment-Behaviour Researchers), ABRA (Association of Behavioural Researchers on Asians/Africans/Arabians) and cE-Bs (Centre for Environment-Behaviour Studies), Faculty of Architecture, Planning & Surveying, Universiti Teknologi MARA, Malaysia.

Cataloguing-in Publication Data

Asian Journal of Environment- Behaviour Studies (ajE-Bs), 5(16), May/Aug 2020.

Editor: Mohamed Yusoff Abbas

1. Human Behaviour Studies - Asia Pacific Area--Journal.

2. Environmental Psychology - Asia Pacific Area--Journal.

I. Mohamed Yusoff Abbas II. Title Cover design: emAs

Typeface: Ariel Narrow, Times New Roman, Typesize : 8 / 9 / 10 / 12 / 16

Published by e-IPH Ltd., UK@ e-International Publishing House, Limited (Registration No: 10062603, for England & Wales) PO Box Studio 7, The Leadmill, 6 Leadmill Road, Sheffield S14SE, United Kingdom. Tel: 0044 7446 100896 E-mail: admin@e-iph.co.uk Web: https://www.eiph.co.uk

eISSN: 2514-751X https://doi.org/10.21834/ajebs.v5i16 Publication Date: 14 Jul 2020 Asian Journal of Environment-Behaviour Studies (ajE-Bs), 5(16) May / Aug 2020

#### **Disclaimer:**

Any opinion expressed in the articles are those of the authors and do not reflect that of the Association of Malaysian Environment-Behaviour Researchers (AMER), the Association of Behavioural Researchers on Asians (ABRA), and the Centre for Environment-Behaviour Studies (cE-Bs), Faculty of Architecture, Planning & Surveying, Universiti Teknologi MARA, Malaysia.

# About

## Focus and Scope

The Asian Journal of Environment- Behaviour Studies (ajE-Bs), publishes double-blind peer- review, original multi-disciplinary social science research articles on the relationship between the built environment and human behavior affecting the Asian communities living in both the Asian and non-Asian countries.

## **Open Access Policy**

The *ajE-Bs* is an international multidisciplinary Open Access Journal which adheres to the BOAI definition of open access: that users have the right to 'read, download, copy, distribute, print, search, or link to the full texts of these articles'.

### **Peer Review Process**

Articles to be published are double-blind peer-reviewed within three weeks by the Editorial Board Members. The assessments are based on seven criteria as follows: -

- 1. Topic Relevancy; Research background; Clarity of Aim and Objectives.
- 2. Literature Review Relation of research to previous studies; Issues derived from most up-to- date literature.
- 3. Methodology Detailed clear description; Procedures justified; Limitations acknowledged.
- 4. Findings Clearly described; Relevant findings highlighted.
- 5. Analysis & Discussion- Relevant findings discussed in relation to theories /issues/objectives/ literature; Considerations of implications beyond the confines of the research.
- 6. Conclusions & Recommendations Retrospective evaluation of research & Contributions;
- 7. Recommendations for improving the situation; Identification of new directions for further research

Overall - Standard of English Language (Score to be above 90%) and Similarity Index (Plagiarism) to be less than 30%, based on <u>Grammarly</u>; Clarity of illustrations; APA style of referencing.

### **Responsibility of Peer Review**

The double-blind peer–review process is under the responsibility of AMER (Association of Malaysian Environment-Behaviour Researchers), ABRA (Association of Behavioural Researchers on Asians) and cE-Bs (Centre for Environment-Behaviour Studies), Faculty of Architecture, Planning & Surveying, Universiti Teknologi MARA, Malaysia.

#### **Publication Frequency**

Beginning 2019 the *ajE-Bs* is published three times a year (Jan/Apr, May/Aug, Sep/Dec) excluding Special Issues.

## **Copyright & Creative Commons Licence**

eISSN: 2514-751X © Year. The Authors. Published for AMER ABRA by e-International Publishing House, Ltd., UK. This is an open access article under the CC BY-NC-ND license (http://creativecommons.org/licenses/by-nc-nd/4.0/). The authors hold the copyright without restrictions and also retain publishing rights without restrictions.

## Journal History

The maiden issue was published on Dec 2016

## Indexing

The ajE-Bs is currently indexed in the ScienceOpen.

## Sponsors

This ajE-Bs is sponsored by the Association of Malaysian Environment-Behaviour Reseachers (AMER).

### **Further Information**

For more information about publication ethics, guidelines, copyright, article submission, archived and current issues, please visit <u>ajE-Bs</u>

## **Editorial Team**

#### EDITOR-IN-CHIEF Prof. Dr. Mohamed Yusoff Abbas

Association of Malaysian Environment-Behaviour Researchers (AMER). Association of Behavioural Researchers on Asians / Africans / Arabians (ABRA). Centre for Environment-Behaviour Studies (cE-Bs), Faculty of Architecture, Planning & Surveying, Universiti Teknologi MARA, Malaysia. myusoff801@uitm.edu.my

#### EDITORIAL (Advisory & Review) BOARD

#### Prof. Dr. Babatunde Emmanuel Jaiyeoba

Head, Department of Architecture, Faculty of Environmental Design and Management, Obafemi Awolowo University, Ile-Ife, Nigeria tundejaiyeoba@yahoo.co.uk

#### Dr Caterina Villani

Postdoctoral researcher, Department of Architecture and Civil Engineering. City University of Hong Kong, Hong Kong, China cvillani2-c@my.cityu.edu.hk

#### Assoc. Prof., Dr. Cigdem Canbay Turkyilmaz

Department of Architecture, Faculty of Architecture, Yildiz Technical University, Istanbul, Turkey cigdemcanbay@gmail.com

#### Asst. Prof., Dr. Emrah Turkyilmaz

Istanbul Kultur University, Turkey e.turkyilmaz@iku.edu.tr

#### Prof. Ing., Dr. Heng Zhang

Institute of Environmental and Behavioral Studies (IEBS), Department of Architecture, National Cheng Kung University, Tainan, Taiwan heng7970@gmail.com Asian Journal of Environment-Behaviour Studies (ajE-Bs), 5(16) May / Aug 2020

#### Prof. Dr. Ing. Ir. Himasari Hanan, MAE

Institut Teknologi Bandung, Bandung, Indonesia himahanan@gmail.com

#### Assoc. Prof., Dr. Ismail Samsuddin

Universiti Teknologi MARA Perak, Malaysia ismai587@uitm.edu.my

#### Prof. Dr. Iwan Sudradjat

Department of Architecture, School of Architecture, Planning, and Policy Development, Institut Teknologi Bandung, Bandung, Indonesia iwansudr@gmail.com

#### Assoc. Prof., Dr. Karuna Raksawin

Faculty of Architecture, Chiang Mai University, Thailand k.raksawin@gmail.com

#### Assoc. Prof., Dr. Lobna Abdel Aziz Ahmed

Vice-Dean of College of Architectural Engineering and Digital Design (CADD), Dar Al Uloom University, Riyadh, Saudi Arabia Arch.Lobna@gmail.com

#### Prof. Dr. Masran Saruwono

Centre of Studies, Architecture, Faculty of Architecture, Planning & Surveying, Universiti Teknologi MARA, Malaysia masran697@uitm.edu.my

#### Assoc. Prof. Dr. Mohammad Arif Kamal

Architecture Section, Aligarh Muslim University, India architectarif@gmail.com

#### Assoc. Prof., Dr. Nurlisa Ginting

Department of Architecture, Universiti Sumatera Utara, Medan, Indonesia nurlisa.ginting@gmail.com

#### Ar. Puteri Mayang Bahjah Zaharin

Centre of Studies, Architecture, Faculty of Architecture, Planning & Surveying, Universiti Teknologi MARA, Puncak Alam, Malaysia bahjah@uitm.edu.my

vi

#### Assoc. Prof., Dr. R. Siti Rukayah

Diponegoro University, Semarang, Indonesia tututrsiti@yahoo.com

#### Prof., Arct., Dr. Ranjith Dayaratne

Department of Architecture and Interior Design, University of Bahrain, Bahrain ranjith.dayaratne@gmail.com

#### Asst. Prof., Dr. Smita Khan

Department of Architecture, Visveswaraya National Institute of Technology, Nagpur, India smitakhan@arc.vnit.ac.in

#### Asst. Prof., Dr. Supagtra Suthasupa

Silpakorn University, Bangkok, Thailand supakoy@yahoo.com

## Contents

About Editorial Team Contents	iii v viii
Architectural Space Alters the Expression of Gene that Regulate Physical and Emotional Stress Ammar Ayman Zaino, Mohamed Yusoff Abbas	1-19.
Designing and Developing a Questionnaire on Autistic Learning Environment Roslinda Ghazali, Siti Rasidah Md Sakip , Ismail Samsuddin	21-30
Motivations of Managers in Relation to Previous Experiences on Citizen- basedCommunity Spaces Han Changhee, Satoshi Nasu	31-43
Preschool Physical Environment Design Quality: Addressing Malaysia's PISARankings Mariam Felani Shaari , Sabarinah Sh. Ahmad , Izaham Shah Ismail , Yazid Zaiki	45-57
Technical Tours as Special Interest Tourism in the Urban Context: A case study of Kuala Lumpur Khalilah Zakariya, Roziha Che Haron, Zeenat Begam Yusof, Illyani Ibrahim	59-74

viii