

EDITORIAL PREFACE

USING TECHNOLOGY IN BUILT ENVIRONMENT IN PREPARING FOR GLOBAL ENVIRONMENTAL CHANGE

Dola, K.^{a*} and Pour Rahimian, F.^b

^aDepartment of Landscape Architecture, Faculty of Design and Architecture, Universiti Putra Malaysia,
43400 UPM Serdang, Selangor, Malaysia

^bCentre for Sustainable Development, The Grenfell-Baines School of Architecture, Construction and Environment,
University of Central Lancashire, Preston, PR1 2HE, UK

*Corresponding author: drkamariahupm@gmail.com

For this issue of ALAM CIPTA, we focus on our future living environment in the midst of climate change and globalisation. Designing sustainable living involves integrated approach and interdisciplinary knowledge in preparing the future sustainable built environment and fulfilling the needs and requirements of occupants for healthy and quality living.

Topics included in this issues range from fostering strategies for sustainable socio-technical transition and strategies to prepare competent, design-based graduates for global deployment. To prepare for future, we need to evaluate our history as discussed in one paper so that we can avoid some irreversible damage and create innovations in building our city. Another paper proposes the use of ICT in building design process as sustainable buildings are expected to achieve best performance in design and functions. This is further supported when one more submission advocated use of Building Information Modelling (BIM) for leveraging sustainability in development of resorts.

Urbanisation could be detrimental to society, yet we can create livable environment as suggested in the next paper which covers some key elements

for sustainable community include physical structures, natural features and service provisions. Combating climate change includes continuously seeking for creative innovation for energy and resource efficiency and cost effective design, which might bring us back in appreciating our vernacular architectural design. Thus the next paper discusses possibility of employing ideas from vernacular design for low-impact thermal comfort in building design. Living in urban areas may not be complete without green areas as green lung for the population. It is worth to note that we also share these green areas with other species, as explored in the next paper. The need to appreciate some bird species led to urban ecological planning, highlighting the importance of creating avian habitat in urban areas. Last paper focuses on the culture of head covering and thermal comfort in radiant cooling office building.

We believe that knowledge and insights presented in this issue will benefit readers and become impetus for a broad interdisciplinary knowledge on sustainable design.

ALAM CIPTA editorial team welcomes submissions in the form of original papers, review papers, case studies, research reports, commentaries, technical notes, book reviews and conference news. We call on the support of academics and practitioners to review papers for the journal. We invite all readers and potential contributors to join ALAM CIPTA, sharing and disseminating knowledge and experience for a better world through built environment.