

CONTENTS

Research Articles

- 1** Daylight Optimization of the South-Faced Architecture Classrooms Using Biomimicry-Based Kinetic Facade Shading System
Anna Yunitsyna, Esi Sulaj
- 21** The Effect of Curved Light Shelves, Ceiling and Window Characteristics on Daylighting in Thai Classrooms
Lattasit Prasertseree, Nuanwan Tuaycharoen
- 40** Optimisation of Indoor Spatial and Temporal Aspects of Deep Architectural Studio on Visual Comfort
Rizky Amalia Achsani, Surjamanto Wonorahardjo, Sugeng Triyadi
- 51** Feasibility Study of Five Solar Thermal Power Plants in Arequipa, Peru, and Their Comparison with Seto Targets
Harry Aarón Yapu Maldonado
- 69** Designing Adaptability Strategy to a Novel Kinetic Adaptive Façade (NKAF); Toward a Pioneering Method in Dynamic-objects Daylight Simulation (Post-Processing)
Ali Goharian, Mohammadjavad Mahdavinejad, Sana Ghazazani, Seyed Morteza Hosseini, Zahra Zamani, Hossein Yavari, Fereshteh Ghafarpoor, Fataneh Shoghi
- 91** Multi-objective Optimization of Window and Shading Systems for Enhanced Office Building Performance: A Case Study in Qom, Iran
Salman Oukati Sadegh, Emad Tabadkani, Mahmoud Oukati Sadegh
- 111** Multi-Objective Performance Evaluation Framework for Integrated Fiber-Reinforced Shading Systems
Asaduzzaman Rubel, Md Ashikur Rahman Joarder
- 125** Uncertainty and Sensitivity Analyses of Switchable Slat Insulated Shades for Daylighting Performance based on Illuminance Thresholds and Objective Weights
Ali Ahmed Bahdad
- 148** A Framework for Integrating Zoning Regulations and Site Layout Design to Enhance Visual Comfort-A Study based on Zoning Regulation and EN 17037
Zehra Aybike Kılıç, Alpin Köknel Yener
- 167** Balancing the Parameters of Perforated Solar Screens to Optimize Daylight and Glare Performance in Office Buildings
Aya M.F. El-Bahrawy
- 190** Assessing the Indoor Thermal Comfort and Adaptive Behaviours of Older People in the Residences of Warm and Humid Climate, India
Niveditha Sudarsanam, D. Kannamma
- 215** Integrating Acoustic Comfort and Daylighting in Transparent Multi-Purpose Halls: A Simulation-Based Holistic Approach
Sevda Şeko, Fulya Kılıç, Feride Şener Yılmaz, Tarık Serhat Bozkurt
- 235** Sensitivity Analysis and Optimization of Facade Design to Improve Daylight Performance of Tropical Classrooms with an Adjacent Building
Atthaillah, Rizki A. Mangkuto, Andik Bintoro