

CONTENTS

ISSN 1859-1531 – The University of Danang - Journal of Science and Technology, Vol. 22, No. 11C, 2024

Affecting analysis of business risk factors to profitability of construction companies in Vietnam <i>Tran Thi Hoai Thuong, Huynh Thi Minh Truc</i>	1
Analysing the urban morphology of Hoi An ancient city, Quang Nam province in sustainable coastal tourism, vision to 2045 <i>Le Thi Kim Anh, Le Anh Duc, Pham Ngoc Tuan</i>	7
Architectural heritage value with indigenous culture in Binh Duong (in case of the architecture of traditional houses and communal house) <i>Tran Dinh Hieu, Nguyen Quoc Truc</i>	12
Architectural morphology study towards sustainable design solutions (case study of Ha Noi children's palace design) <i>Doan Minh Khoi, Doan Minh Thu, Doan Thanh Binh</i>	19
Assessment of air pollutant emissions from rice straw open burning in Hoa Vang district, Da Nang city, Vietnam <i>Nhu-Thuc Phan, Cu Dinh-Tri</i>	25
Evaluate the feasibility of implementing activity-based model for Vietnamese municipalities in term of the available input data sources <i>Cao Thi Xuan My, Nguyen Van Noi, Chu Cong Minh</i>	33
Extending the theory of planned behavior to explore the intent to use electric motorcycles in Da Nang <i>Nguyen Van Bien, Le Minh Chau, Vo Dinh Quang Nhat, Nguyen Phuoc Quy Duy</i>	38
Flood mapping with impacts of the flood releases and dam failure of large reservoirs in the Vu Gia - Thu Bon River basin <i>Kieu Xuan Tuyen</i>	44
Formation process of “western” street architecture during French colonial period in Hue <i>Nguyen Ngoc Tung, Vo Tran Gia Phuc, Phan Thi Ngoc Anh, Huynh Ngo Tri Dung, Hoang Van Thanh</i>	50
Greenwashing and the challenge of sustainable development in the construction industry <i>Pham Ngoc Thinh</i>	57
Identifying potential urban focal points using multiple centrality assessment (MCA): Da Nang’s center as a case study <i>Ngoc Hong Nguyen, Trung Xuan Nguyen</i>	62
Impacts of climate change on building performance and adaptation solutions <i>Nguyen Anh Tuan, Phan Anh Nguyen, David Rockwood</i>	66
Modelling of sediment diagenesis and its linkage with the water column. the case study of bay of quite, Canada <i>Phuong T.K. Doan</i>	72
Optimal conditions for synthesis of polyol-functionalized chitosan particles <i>Ho Hong Quyen, Vu Chi Mai Tran</i>	78

Public preschool architecture in Ho Chi Minh city - assessing the current situation towards the development of children's emotional intelligence <i>Tan-Hanh Le, Hanh Vu Thi Hong</i>	83
Research on calculation of slope failures considering unstable transient surface due to rain <i>Trung Quan NGUYEN, Huy Cong VU, Ly Trieu PHAM, Le Thuan NGUYEN, Van Huong NGUYEN</i>	89
Research on proposing an effectiveness assessment criteria framework of residential and commercial building construction investment projects toward sustainable development in Nha Trang city <i>Le Huu Hau, Nguyen Quang Trung, Huynh Thi Minh Truc</i>	97
Research on solutions to improve quality management for design and survey work of construction projects: case study at Binh Duong construction inspection consulting company limited <i>Van-Tien Dang, Ngoc-Tri Ngo, Ngoc-Quang Nguyen</i>	103
Short-term prediction of regional energy consumption by metaheuristic optimized deep learning models <i>Ngoc-Quang Nguyen, Phuong-Thao-Nguyen Nguyen, Quynh-Chau Truong</i>	109
Towards carbon neutrality in construction projects based on life cycle assessment <i>Nguyen Van Son, Pham Ngoc Thinh, Le Trung Phong, Bui Le Khanh</i>	115
Vehicle routing problem in waste collection: a case study in Son Tra, Da Nang <i>Le Hoang Son, Truong Nguyen Song Ha, Nguyen Ngoc Phuong, Phan Bao An</i>	118
Waterscapes: the cultural heritage for sustainable development in the urban structure of Hue city in Vietnam <i>Vo Ngoc Duc</i>	123
