## **Table of Contents**

## **Preface**

## **Chapter 1: Green Concrete**

Behavior of Reactive Powder Concrete Covering Quartz Powder Strengthened by Electrical Waste Copper Wire Fiber	
S.I. Hendi and N.M.F. Aljalawi	3
Effect of Sustainable Fibres on Properties of Structural Perlite Concrete Containing Local Sustainable Materials  A. L. Oossen and N. M. F. Alialawi	19
A.J. Qassem and N.M.F. Aljalawi	19
Performance of Beams Incorporating Geopolymer and FRP Bars: A Review A.J. Kadhim and O.H. Zinkaah	31
$ \begin{tabular}{ll}                                  $	47
<b>Exploring Sustainable Building Practices: Utilizing Olive Stone Waste and Crushed Glass in Concrete Mixtures</b>	
M.A. Abdulkarem, D.A. Rasool and B.J. Nabhan	63
Effect of Crushed Brick on some Properties of Modified Reactive Powder Concrete R.H. Saeed and N.M.F. Aljalawi	75
Chapter 2: Sustainable Technologies in Architecture and Construction	
Assessing Indoor Air Quality Indices and Airborne Contaminant Exposure in Isolation Rooms with Protected Zone Ventilation Systems: A Comprehensive Review E.S. Barrak, H.M. Hussain and L.J. Habeeb	85
<b>Design and Development of Natural Lighting System in Modern Malaysian Building</b> F.B. Ismail, M.F. Izzuan, A. Abdulwahab, H.A. Kazem and M.A.A. Rahmat	97
Employing Clean Energies in the Design of Contemporary Buildings, Review M.M. Alobaidi and L.M. Yahya	111