Portugal SB10

Sustainable Building

Affordable to All

Low Cost Sustainable Solutions

edited by
Luis Bragança
Manuel Pinheiro
Ricardo Mateus
Rogério Amorim
Manuela Almeida
Paulo Mendonça
Ana Miguel Cunha
António Baio Dias
Fátima Farinha
Helena Gervásio
Jorge de Brito
Manuel Guedes
Victor Ferreira
Development of research related to alkali-silica reaction in concrete with recycled aggregates
*Miguel Barreto Santos, Jorge de Brito, António Santos Silva*

Geopolymeric Artificial Aggregates as New Materials for Wastewater
*Isabel Silva, João Castro-Gomes, António Albuquerque*

High Energy Efficiency Retrofit Module Development
*P. Pereira da Silva, M. Almeida, L. Bragança, V. Mesquita*

Achieving Sustainability through Energy Efficiency while Assuring Indoor Environmental Quality
*Sandra Monteiro da Silva, Manuela Guedes de Almeida*

Self-compacting concrete (SCC) - Contribution to Sustainable Development
*P.M. Silva, J. de Brito*

---

**Chapter 5: Monitoring and evaluation**

Life cycle assessment (cradle to gate) of a Portuguese brick
*M.I. Almeida, A.C. Dias & L.M. Arroja, Baio Dias*

The LT-Portugal software: a design tool for Architects
*Nick Baker, Manuel Correia Guedes, Nabeel Sheik, Luís Calixto, Ricardo Aguiar*

LCA Database for Portuguese Building Technologies
*Luís Bragança, Ricardo Mateus*

Portal de Construção Sustentável (PCS): an online tool for sustainable designers
*M. I. Cabral, A. Delgado*

Energy Performance Certification in Portugal as a tool to achieve real energy savings in buildings
*Manuel Casquiço, Paulo Santos*

Use of PCM in Mediterranean building envelopes
*Albert Castell, Marc Medrano, Cristian Solé, Luisa F. Cabeza*

Experimental study on the performance of buildings with different insulation materials
*Albert Castell, Marc Medrano, Ingrid Martorell, Luisa F. Cabeza*

National portal for the energy certification of buildings: DOCET
*Ludovico Danza, Lorenzo Belussi, Italo Meroni*

Ecological Footprint: a “switched on”, a “switched off” and “on the move” indicators for ecocompatibility building assessment
*Roberto Giordano, Silvia Tedesco*