Article Abstract

Title:	Synthetical evaluation of ecological value of university campuses
Author(s):	Hong Wei Chen*
Address(es):	Office of Campus Construction, Tianjin Polytechnic University, Tianjin, 300160, CHINA *Corresponding Author: e-mail: tjchenhw@sohu.com, Tel +86-22-83956800
Journal:	*International Journal of Engineering, Science and Technology*, Vol. 2, No. 7, 2010, pp. 9-16.
Abstract:	In this paper, a reasonable ecological value evaluation system for the ecological environment of a university campus was established based on fuzzy analytic hierarchy process (FAHP). The system contains 2 criteria, 13 factors and 55 sub-factors. Using FAHP combined with compiling the Mathematica program, we determined the weights of the criteria and factors, which could reflect the human thinking style. In order to verify the system, a model was presented, and the result obtained was regarded as reasonable. The evaluation system and the model can be used in other similar assessments for their feasibility.
Keywords:	Ecotype campus; fuzzy analytic hierarchy process (FAHP); fuzzy synthetical evaluation; Mathematica