

Developing the Morphological Field of Problem Context to Assist Multi-Methodology in Operations Research

Authors : Mahnaz Hosseinzadeh, Mohammad Reza Mehregan

Abstract : In this paper, we have developed a morphological field to assist multi- methodology (combining methodologies together in whole or part) in Operations Research (OR) for the problem contexts in Iranian organizations. So, we have attempted to identify some dimensions for problem context according to Iranian organizational problems. Then, a general morphological program is designed which helps the OR practitioner to determine the suitable OR methodology as output for any configuration of conditions in a problem context as input and to reveal the fields necessary to be improved in OR. Applying such a program would have interesting results for OR practitioners.

Keywords : hard, soft and emancipatory operations research, General Morphological Analysis (GMA), multi-methodology, problem context

Conference Title : ICBAOPRM 2017 : International Conference on Business Analytics, Operational Research and Management

Conference Location : Rome, Italy

Conference Dates : September 18-19, 2017