**Evaluation of effective parameters on strength of metal specimen adhesion with polymers**

**Sci. J. Mech. Ind. Eng.**

**ABSTRACT:**

**Key Words:** Polymer
Evaluation of mechanical, thermal and electrical properties of graphite base nanocomposites

Original Research, A2

Solomon T, Joeva R, Rodzina S.


Abstract:

Key words: Graphite, Nanocomposites, Mechanical, Thermal
Investigation of Exfoliation and Intercalation in Clay Nanocomposites

Original Research, A3

Ali D.

ABSTRACT:
In this study the effect of filling of clay nanoparticle in the polymer base composite and the intercalation, exfoliation ... completed exfoliation of silicate layers is the fundamental to reaching polymer/clay nanocomposites that perform well.

Key words: Exfoliation & Intercalation,

A Ringed Contact Friction and Boundary Lubrication Test instrument design

Original Research, A4

Rahman A. and Memedov B.

ABSTRACT:
### Abstract

Due to the increase in strategic and quality management programs in organizations, the need for a comprehensive method to prioritize improvement and manage excellence is discussed. This paper presents an integrative model that combines the EFQM Excellence Model and the Balanced Scorecard approach to identify priorities for improvement. The model is applied in a case study to demonstrate its effectiveness. Suggestions for managers and researchers are provided.

**Keywords:** Priorities for Improvement, EFQM Model, Balanced Scorecard, QFD, TOPSIS Method

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**Performance Improvement Priorities: Integrative Model of Organizational Excellence Model and Balanced Scorecard Approach**

**Original Research, A5**

**Hoseini Nasab H., Bagheri F., Esfahani M J.**


**Abstract:**

A comprehensive method to prioritize improvement and manage excellence is discussed. This paper presents an integrative model that combines the EFQM Excellence Model and the Balanced Scorecard approach to identify priorities for improvement. The model is applied in a case study to demonstrate its effectiveness. Suggestions for managers and researchers are provided.

**Keywords:** Priorities for Improvement, EFQM Model, Balanced Scorecard, QFD, TOPSIS Method
A New Method for Solving the Generalized Interval-Valued Fuzzy Numbers Linear Programming Problems

Original Research, A6

Mahmoodirad A., Hassasi H., Molla-Alizadeh-Zavardehi S., Esfahani M. J.

Abstract:
In this paper, we concentrate on linear programming problems in which the cost vector, the technological coefficients and... can be solved by the linear programming methods. Finally, we give an illustrative example and its numerical solutions.

Keywords: Linear Programming Problem, Generalized Interval-Valued Trapezoidal Fuzzy Number

Ranking Tehran Healthcare Centers based on Service Quality using Fuzzy Data Envelopment Analysis

Original Research, A7

Tabatabaei Mehrizi S.M.

Abstract:
The customer is one of the most effective environmental factors in health services organizations. Experts of management... the Tehran-based clinics were selected. These clinics were then ranked regarding the quality of their services using DEA.
Keywords: Healthcare services institutes, Quality of services

**The Measuring Efficiency in Data Envelopment Analysis with Genetic Algorithm**

*Original Research, A8*

Taghaodi R., Esfahani M.J., Molla-Alizadeh-Zavardehi S., Mahmoodi Rad A.

A BSTRACT:

Keywords: Data Envelopment analysis, Genetic Algorithm