

**An Intelligence Based Decision System for Evaluating Innovative Research**

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**Abstract**

The process review is an obligatory issue in the evaluation procedure and selection of technical materials for the purpose of publication in any symposia or journal and to produce it before the public. On the other hand, incorporating such mechanism in principle may carry several merits as well as demerits. Our effort is to optimize the methodology of review process implementing some of theme of evolutionary algorithm to avoid any chance of individual bias. Keeping in view, significant knowledge based parameters is considered and an attempt has been made to design a supportive decision making machinery using intelligence based system to robust our methodology of review process management.

**Keywords:** Review Process, Evolutionary Algorithm, Individual Bias and Decision Making System.

**1. Introduction**

It is in general practice that professional regulation in terms of literary performance is evaluated for its standard and novelty to improve its further prospects by employing the process of peer review. Ideally the review procedures should have certain criteria that must always be exercised to govern their frame. As many as possible, authors (participants) should get an opportunity to express their ideas may it be raw at a glance, in their respective field of science and technology. It ensures a large and diverse collection of ideas, which probably may sometimes carry some high level innovation by chance. It is also essential that authors contributing multiple papers to a journal or a conference at a time must be given a chance to avoid any disappointment and to carry out their enthusiasm for future productivity in their respective field of interest.

The process of random selection of papers is the one way to ensure a wide coverage or variety of papers accumulating all forms, frames and stages of thoughts. The next strategy should certainly, be the selection of papers on quality basis. The quality control should be observed right in the beginning and also at the final stage of review and screening. There has to be an instrument to