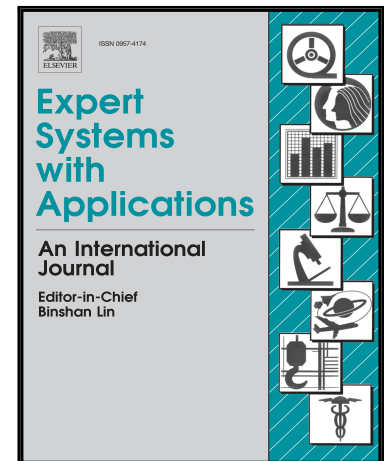


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Optimizing Multi-objective PSO based feature selection method using a feature elitism mechanism

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Highlights

- A multi-objective PSO-based feature selection method called RPSOFS is proposed.
- RPSOFS proposes a feature-elitism mechanism based on their frequency in archive.
- Problem space information improves the evolutionary process of RPSOFS.
- Archive refinement and purposeful particles movement are the important achievements.
- Qualitative and quantitative analyses of the results confirm the performance of RPSOFS.

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