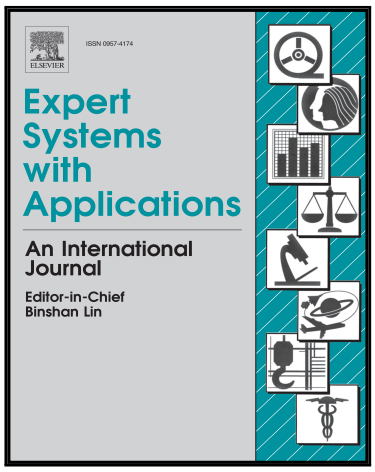

A multiple search strategies based grey wolf optimizer for solving multi-objective optimization problems

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Highlights

- A multi-objective grey wolf optimizer algorithm with multiple search strategies is developed.
- The developed algorithm is evaluated on a series of benchmark functions.
- The performance of the algorithm is compared with well-known algorithms using various metrics.
- A novel constraints handling method used for optimal scheduling problem of cascade hydropower stations is designed.
- The algorithm is firstly applied to optimize multi-objective optimal scheduling problem of cascade hydropower stations.