A text mining survey to obtain the most likely smart optimization algorithms in renewable energies

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Two main hindrances to adopt climate change by establishing 100 % green energies are high costs and low efficiencies of renewable energy systems. Hence, system optimization has gained special significance in technology improvements. A significant share of the literature is devoted to extensive applications of various smart optimization algorithms in renewable energies. Here, a text mining algorithm is employed to survey the state-of-the-art literature with a logical combination of categorized keywords to obtain the most abundant optimization algorithms in renewable energies. The results showed that the meta-heuristic algorithms were frequently updated and applied in recent years. Accordingly, genetic and particle swarm optimization algorithms have the greatest shares among all categories, respectively.