SUPPLEMENTAL MATERIALS

Assessing the Benefits of Nature-Inspired Algorithms for the Parameterization of ANN in the Prediction of Water Demand

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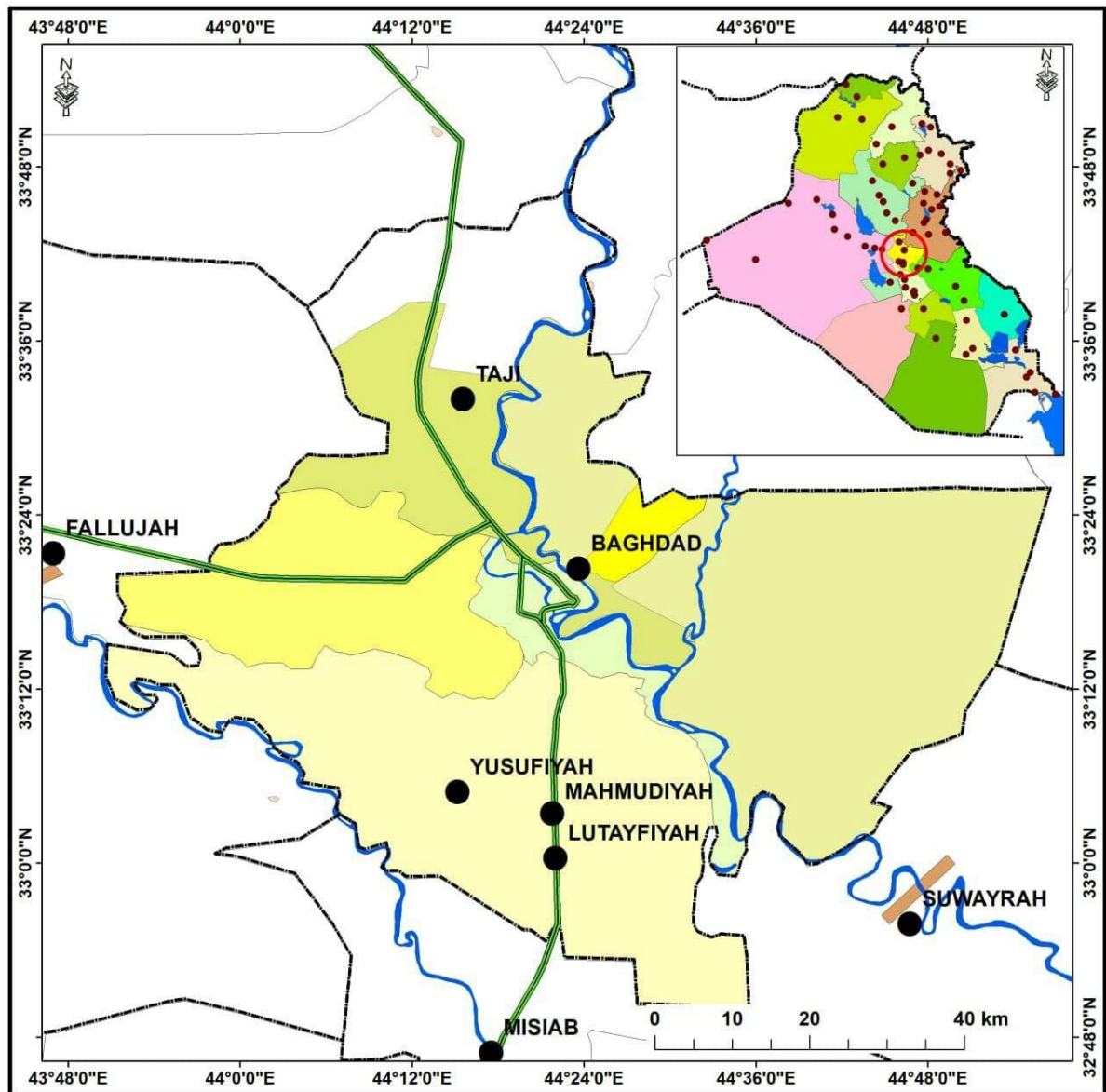
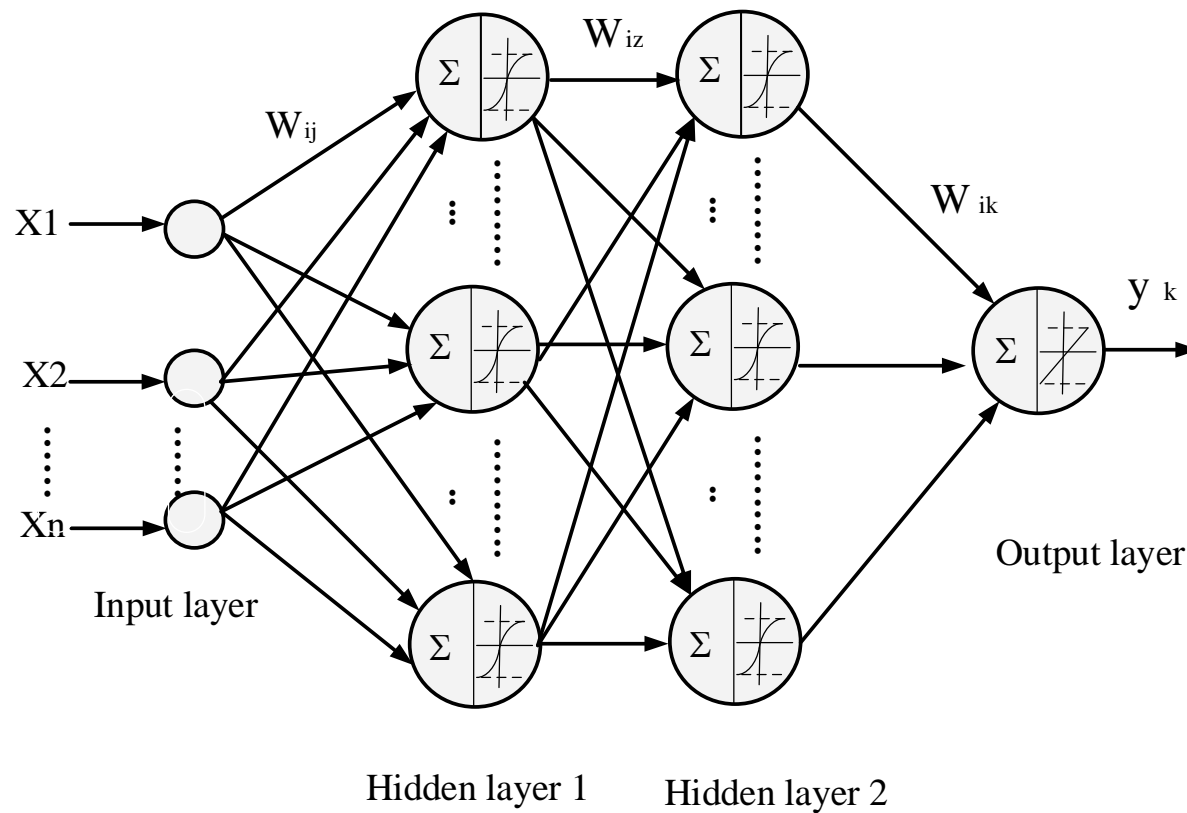**Fig. S1.** The location of Baghdad City.
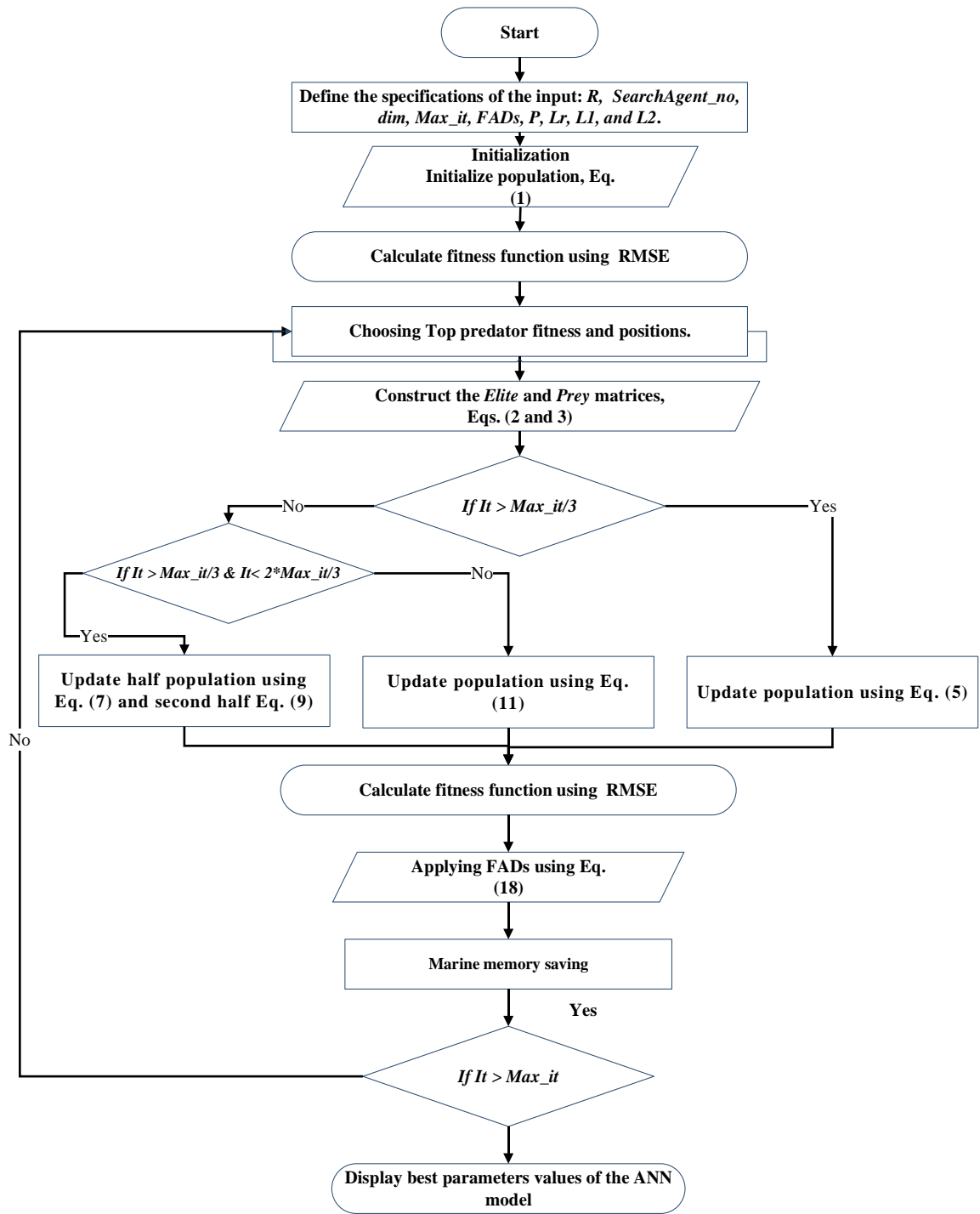
Fig. S2. Structure of the ANN.

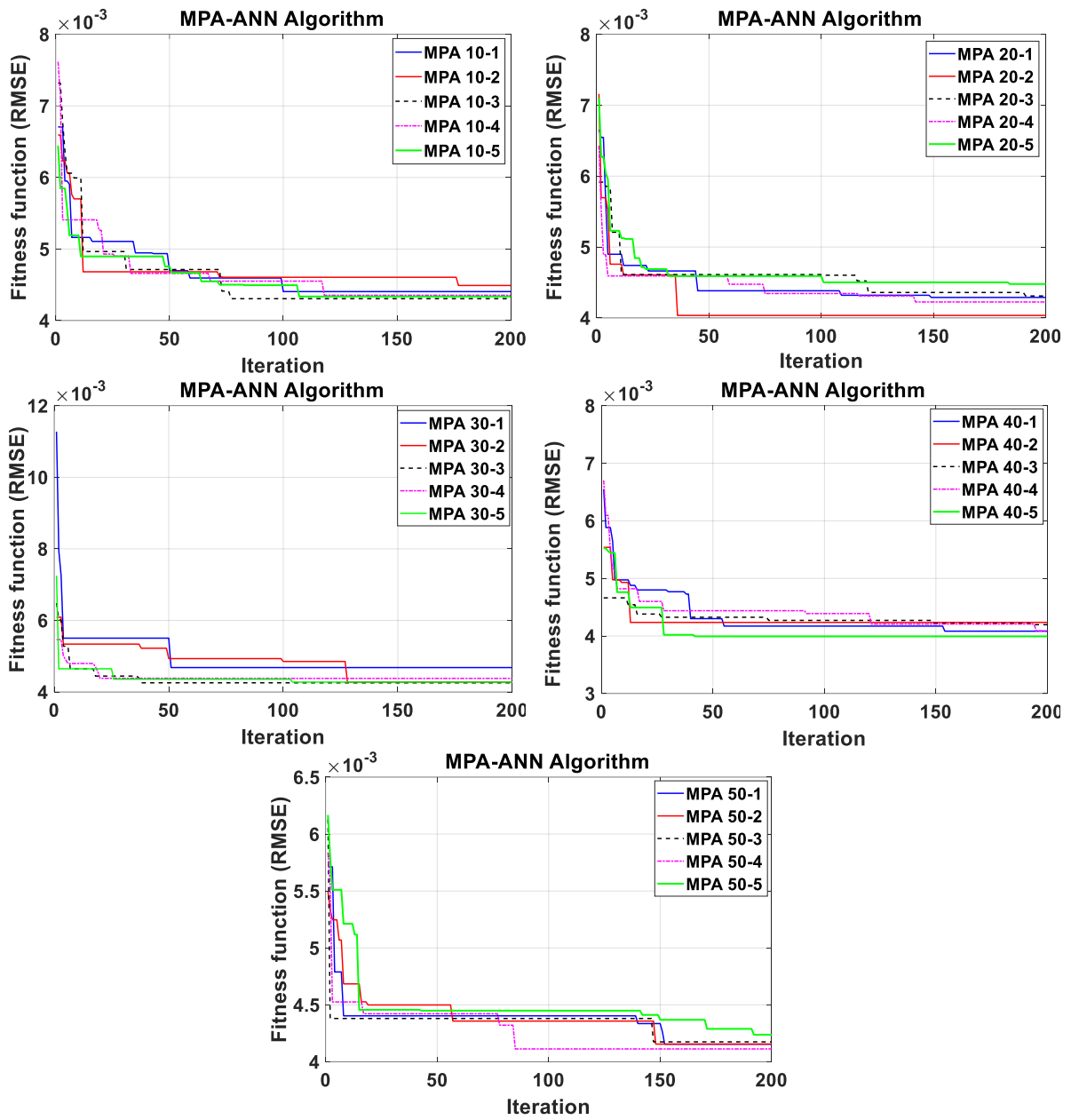**Fig. S3.** Flowchart of the proposed MPA-ANN algorithm.

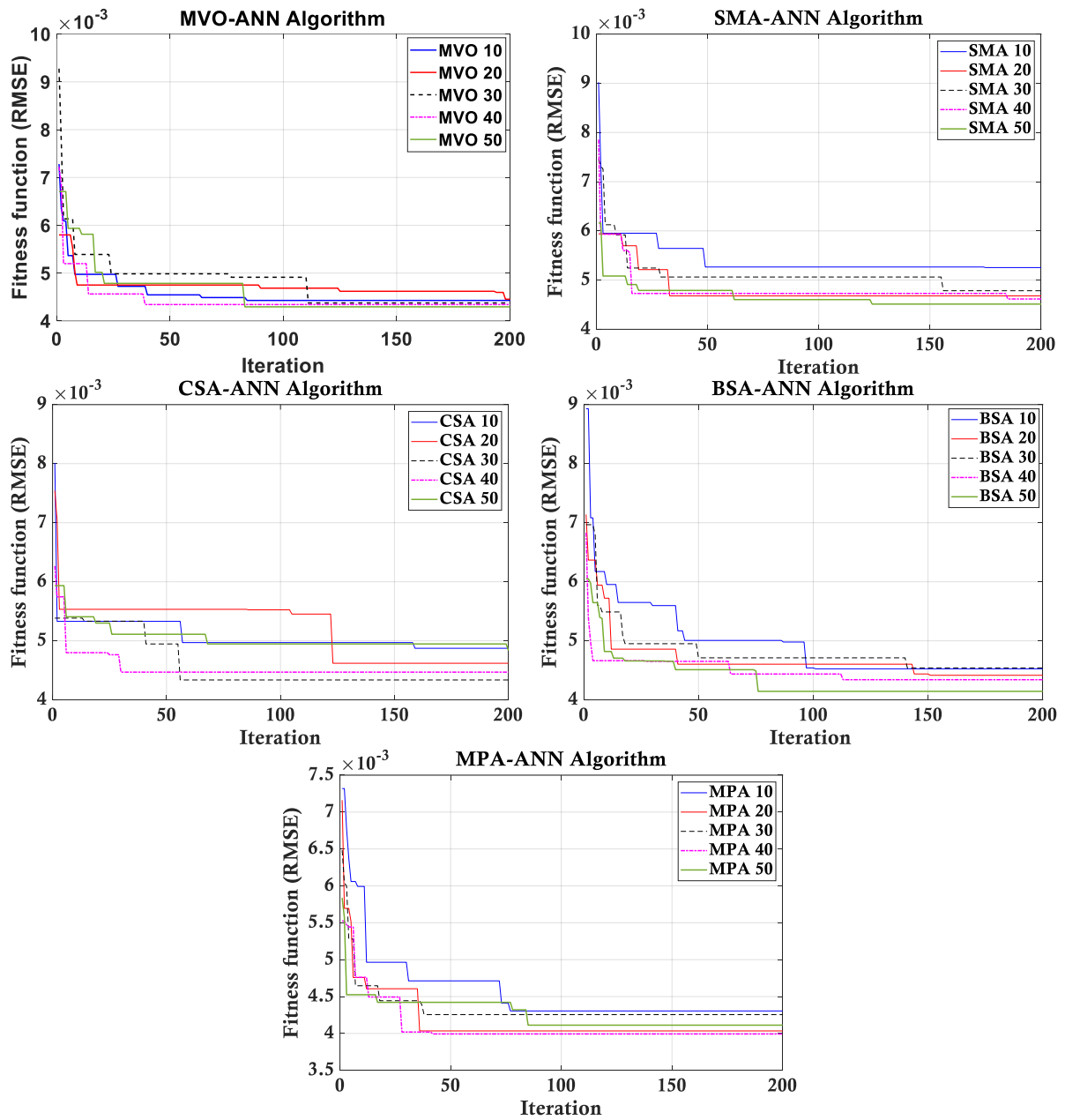**Fig. S4.** Performance of MPA-ANN algorithm with five times run for each swarm.

Fig. S5. Performance of ANN and five metaheuristic algorithms.