# Algorithm Parameter Settings

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| Algorithms | Parameter Values |
| Common Parameter Settings | - Population Size (N): 10 - Maximum Number of Iterations: GA: 10, PSO: 10, GWO: 5 - Value of k in KNN and BMFK: 5 - Fuzzy Strength Parameter in BMFK (m): 2 |
| Genetic Algorithm (GA) | - Mutation Rate: 0.1 - Crossover Rate: Implemented via cross point and offspring generation (not explicitly defined) |
| Particle Swarm Optimization (PSO) | - Inertia Weight (w): 0.9 - Acceleration Constants (c1 & c2): 0.5 each - Velocity Maximum (v\_max): 0.1 |
| Grey Wolf Optimization (GWO) | - Convergence Parameter (a): Decreases non-linearly from 2 to 0 over iterations |
| Proposed [EF(Ensemble Filter) + BEE(RL) + BMFK] | - BMFK Parameters:  - n\_neighbors: 5  - m: 2  - p: 2  - q: 2 |