


Correction to: Improving multi-criterion optimization with chaos: a novel Multi-Objective Chaotic Crow Search Algorithm

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In the original publication, Algorithm 1 and Algorithm 2 are incorrectly published with the same content.

The correct content for Algorithm 1 and Algorithm 2 are given below. The original publication of the article has been updated of the same.

The original article can be found online at <https://doi.org/10.1007/s00521-017-3251-x>.

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```
1.- Initialize crow flock  $C^0$ 
2.- Evaluate fitness of each crow  $f(C^0)$ 
3.- Determine domination
4.- Initialize archive with non-dominated solutions
5.- repeat
6.-   for each  $c^k \in C^k$ 
7.-     if ( $rand < AAP$ )
8.-       Hoard  $h^k$  selected through roulette wheel mechanism
9.-     else
10.-      Deceiving position  $d_j^k$  is set as random point on the search space
11.-    end
12.-    Crow  $c^k$  moves according (Eq.10) with  $f_l = cte$ 
13.-  end
14.- Evaluate fitness of current flock  $f(C^k)$ 
15.- Find non-dominated solutions
16.- Update archive
17.- until  $k > \text{Max Iteration}$ 
18.- return archive
```

Algorithm 1. Multi-Objective Crow Search Algorithm (MOCSA) pseudocode.

```
1.- Initialize crow flock  $C^0$ 
2.- Evaluate fitness of each crow  $f(C^0)$ 
3.- Determine domination
4.- Initialize archive with non-dominated solutions
5.- repeat
6.-   for each  $c^k \in C^k$ 
7.-     if ( $rand < AAP$ )
8.-       Hoard  $h^k$  selected through roulette wheel mechanism
9.-     else
10.-      Deceiving position  $d_j^k$  is set as random point on the search space
11.-    end
12.-    Crow  $c^k$  moves according (Eq.10) with  $f_l^k = G(f^{k-1})$ 
13.-  end
14.- Evaluate fitness of current flock  $f(C^k)$ 
15.- Find non-dominated solutions
16.- Update archive
17.- until  $k > \text{Max Iteration}$ 
18.- return archive
```

Algorithm 2. Multi-Objective Chaotic Crow Search Algorithm (MOCCSA) pseudocode.