Investigating the wettability of neem oil nanoemulsion as a green pesticide on leaf surfaces - Optimizing formulation, assessing stability, and enhancing wettability

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Supplementary information

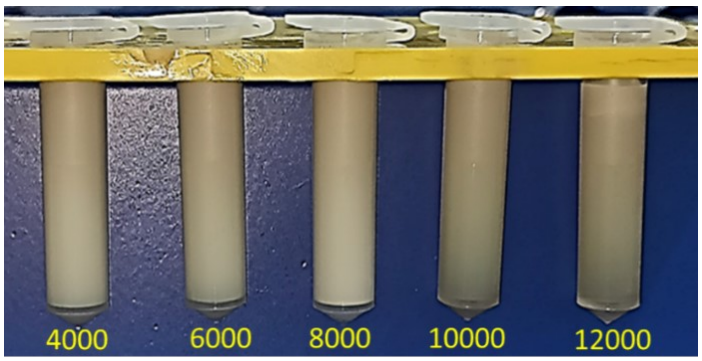

Fig. S1 Neem oil NE after subjecting to different centrifugal forces

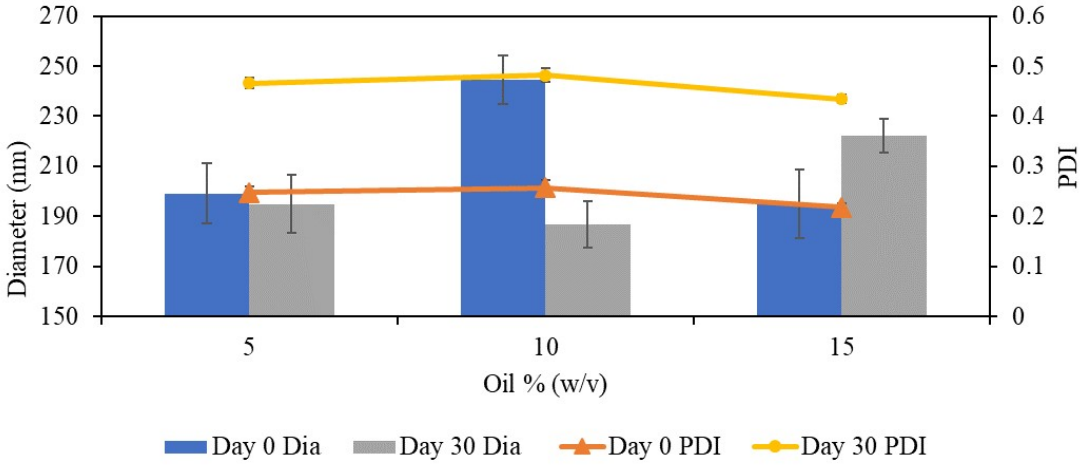

Fig. S2 Diameter and PDI of NE droplets on 0th day and after 30 days

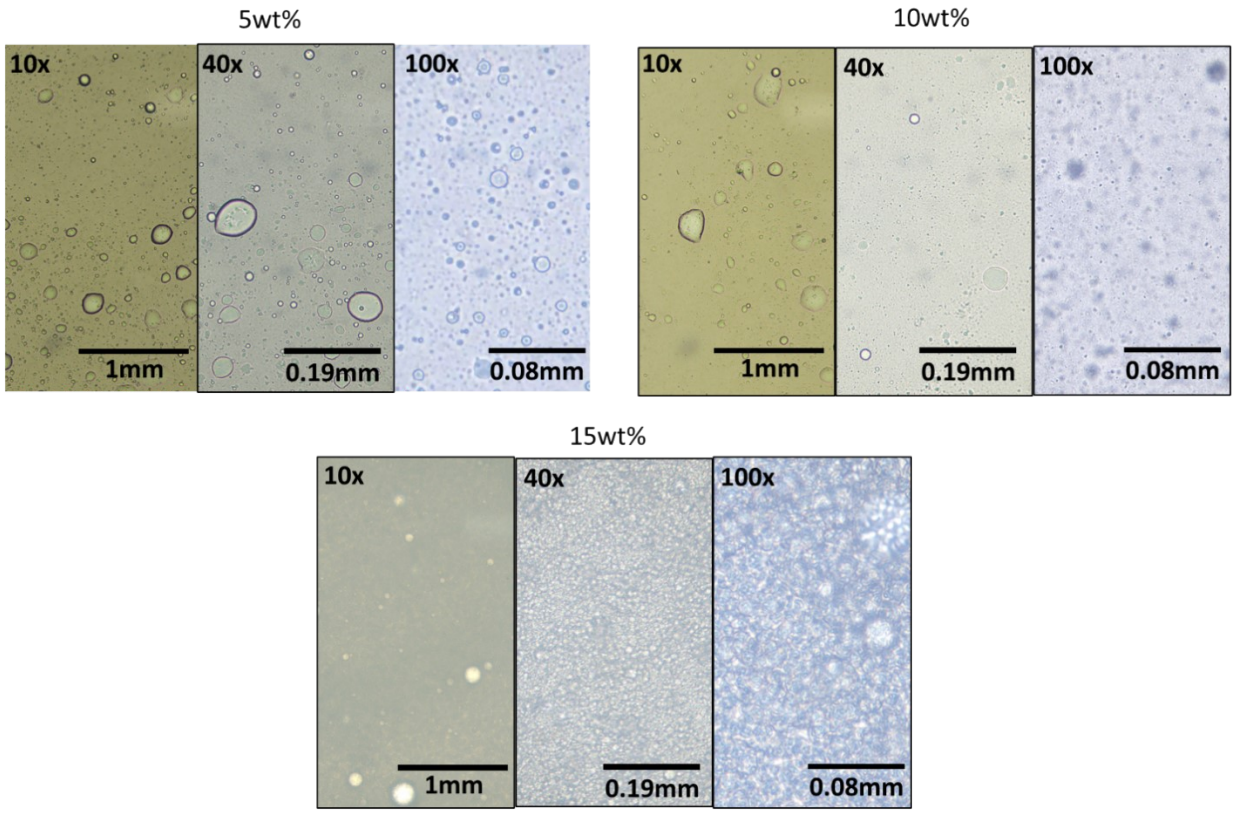

Fig. S3 Microscope image of the emulsion on glass slide for a) 5wt% neem oil, b) 10 wt% neem oil and c) 15 wt% neem oil at 10x, 40 x and 100x magnification

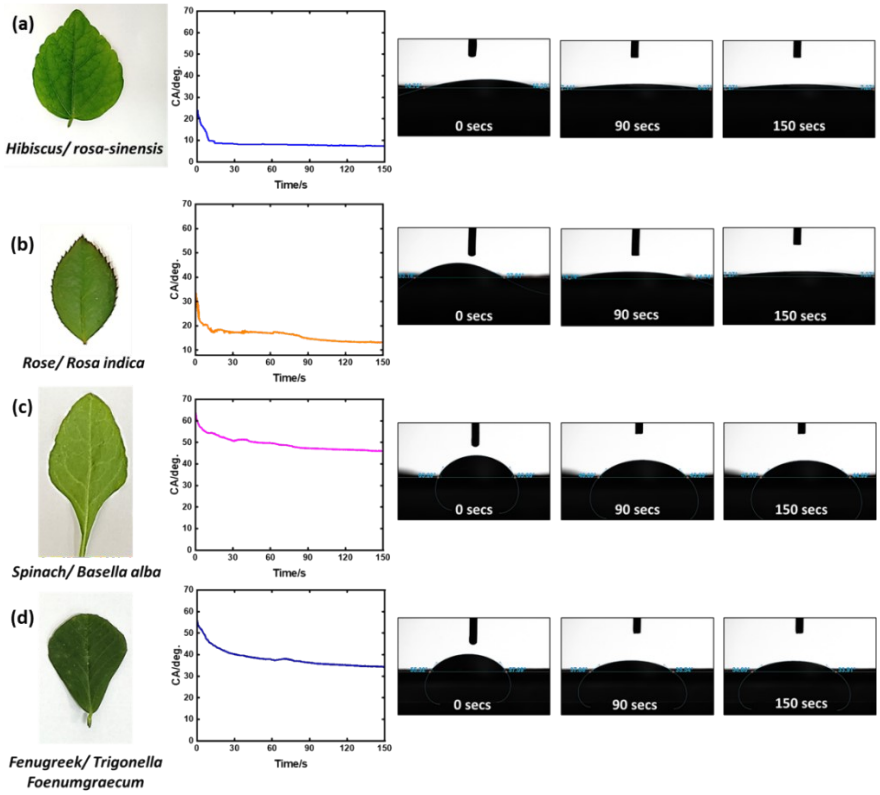

Fig. S4 Evolution of the CA over 150 seconds with 15% NE and their corresponding droplet images at 0s, 90s, and 150s during the spreading for (a) Hibiscus, (b) Rose, (c) Spinach, and (d) Fenugreek leaves.