

Supplementary data

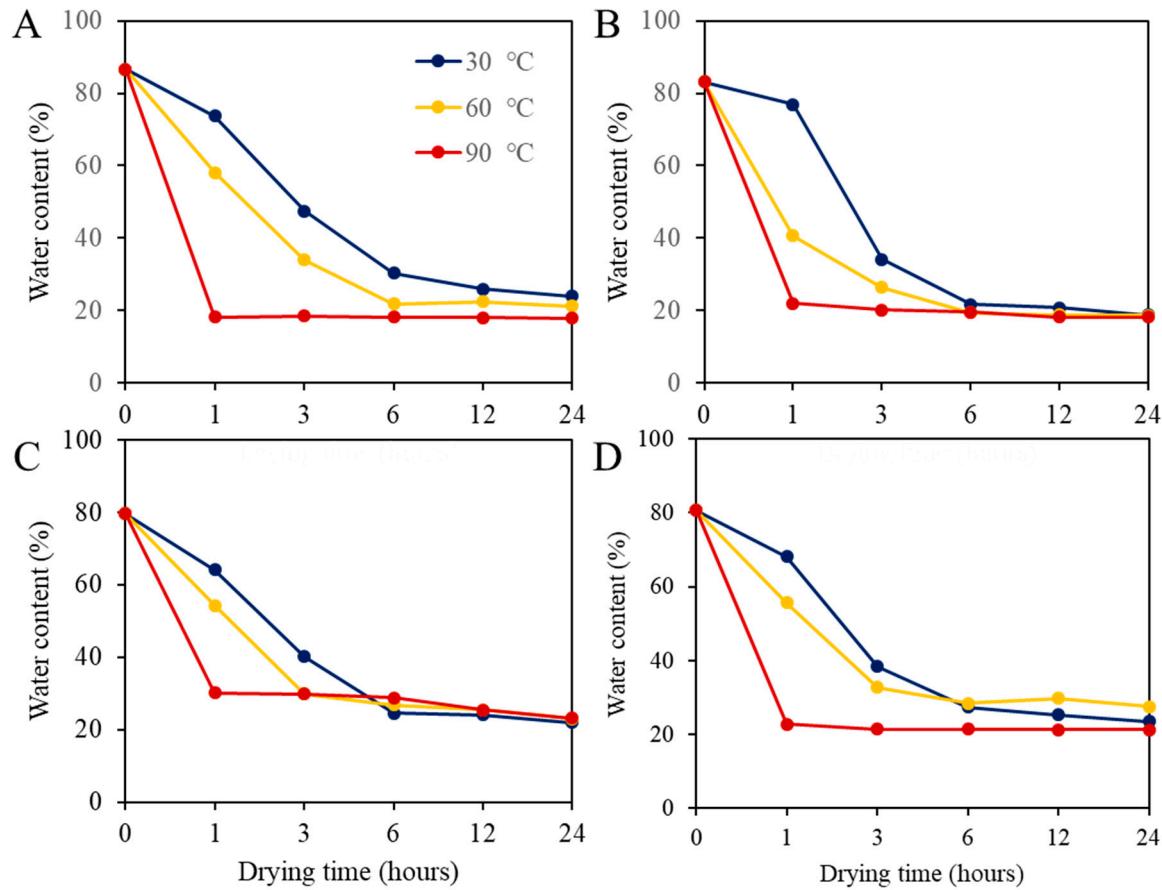


Figure S1. Changes of relative water contents of four marigold cultivars during dry processing. A-D indicate DY (Durango yellow), DO (Durango orange), IY (Inca yellow), and IO (Inca orange), respectively.

Supplementary Table 1. The EC₅₀ (mg·mL⁻¹) for the antioxidant activity in marigold petals dried at different temperatures.

| Dry processing | DPPH radical scavenging activity | | | | ABTS radical scavenging activity | | | |
|----------------|----------------------------------|-------------|-------------|-------------|----------------------------------|-------------|-------------|-------------|
| | DY | DO | IY | IO | DY | DO | IY | IO |
| FD | 2.64 ± 0.06 | 2.18 ± 0.04 | 1.94 ± 0.07 | 1.53 ± 0.03 | 0.67 ± 0.01 | 0.60 ± 0.01 | 0.65 ± 0.01 | 0.56 ± 0.00 |
| 30 °C | 2.47 ± 0.06 | 2.26 ± 0.04 | 1.63 ± 0.03 | 1.31 ± 0.04 | 0.67 ± 0.01 | 0.67 ± 0.01 | 0.69 ± 0.00 | 0.58 ± 0.00 |
| 60 °C | 2.44 ± 0.11 | 2.23 ± 0.09 | 1.63 ± 0.05 | 1.31 ± 0.02 | 0.68 ± 0.01 | 0.66 ± 0.01 | 0.71 ± 0.01 | 0.60 ± 0.00 |
| 90 °C | 2.51 ± 0.09 | 2.23 ± 0.02 | 1.51 ± 0.03 | 1.28 ± 0.01 | 0.63 ± 0.03 | 0.62 ± 0.00 | 0.66 ± 0.00 | 0.62 ± 0.02 |

All data expressed as mean ± standard error of three replicates. FD; Freeze dried, DY; Durango yellow, DO; Durango orange, IY; Inca yellow, IO; Inca orange.