

Supplementary data

Phytochemical Analysis

Figure S1 shows that as the concentration of extract increases, the percentage of DPPH and ABTS•+ radical reduction also increases.

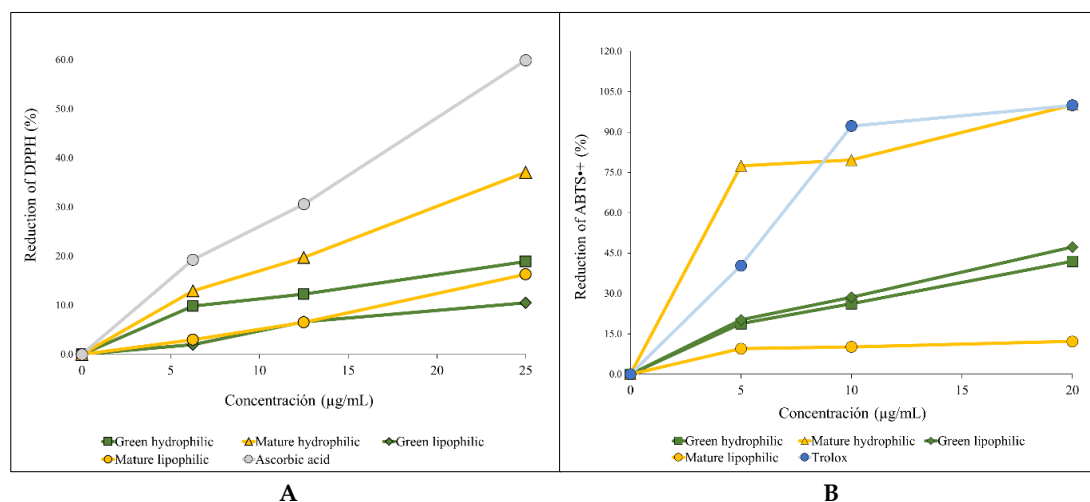


Figure S1. Percentage of radical reduction in DPPH and ABTS•+ at different concentrations of each type of extract.

Anti-inflammatory effect on plantar edema

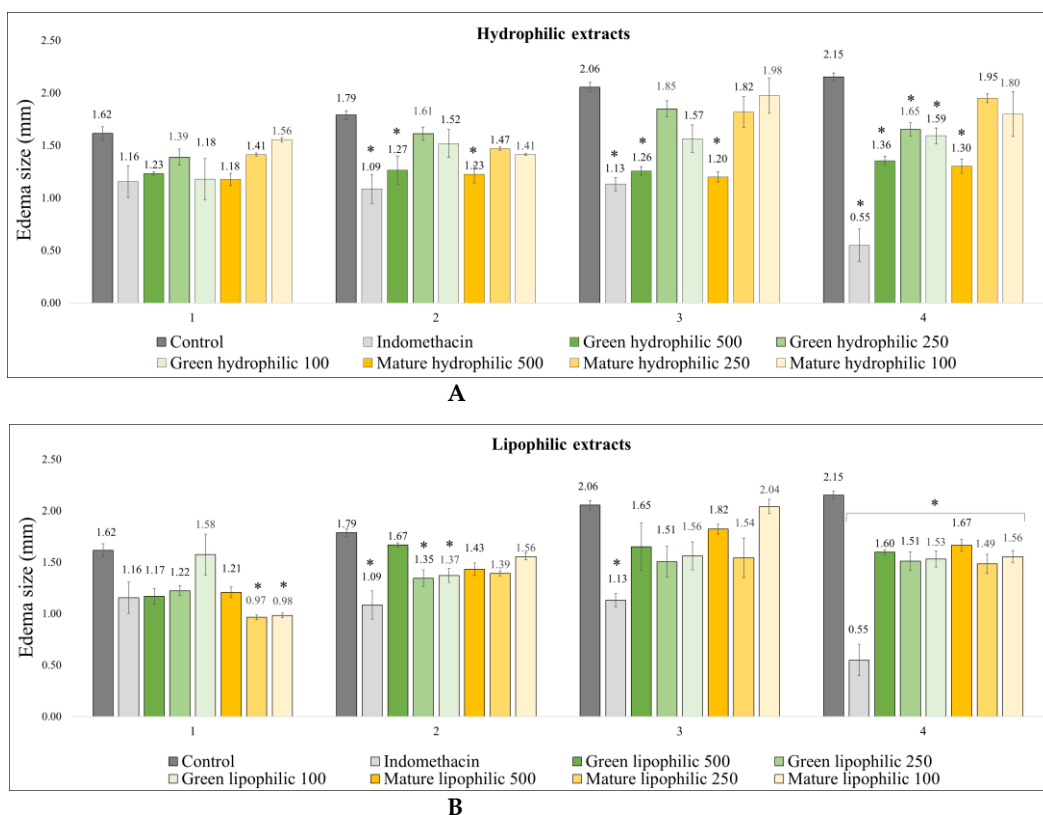


Figure S2. Effect of hydrophilic and lipophilic extracts on the size of the edema.

Data are presented as mean \pm SEM (n = 6). The symbol (*) indicates a significant difference ($p < 0.05$) compared to the control group determined by Tukey's post hoc test.

Anti-inflammatory effect on carrageenan-induced air pouch

Exudate Volume

Figure S3 shows that mature hydrophilic extract at 500 mg/kg significantly reduced exudate volume ($p < 0.05$) compared to the control group and showed a similar effect to the blank group ($p = 0.567$).

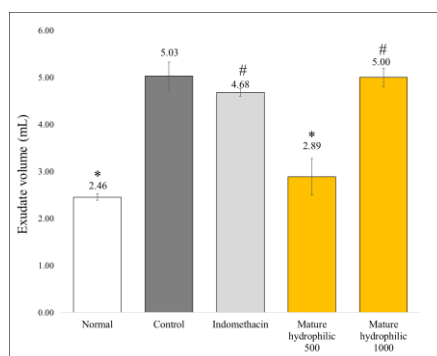


Figure S3. Exudate Volume

Data are presented as mean \pm SEM ($n = 6$). Symbol (*) indicates a significant difference ($p < 0.05$) compared to the control group, while symbol (#) indicates that there are not significant difference ($p > 0.05$) compared to the control group, determined by Tukey's post hoc test

Inflammatory cytokines in exudate

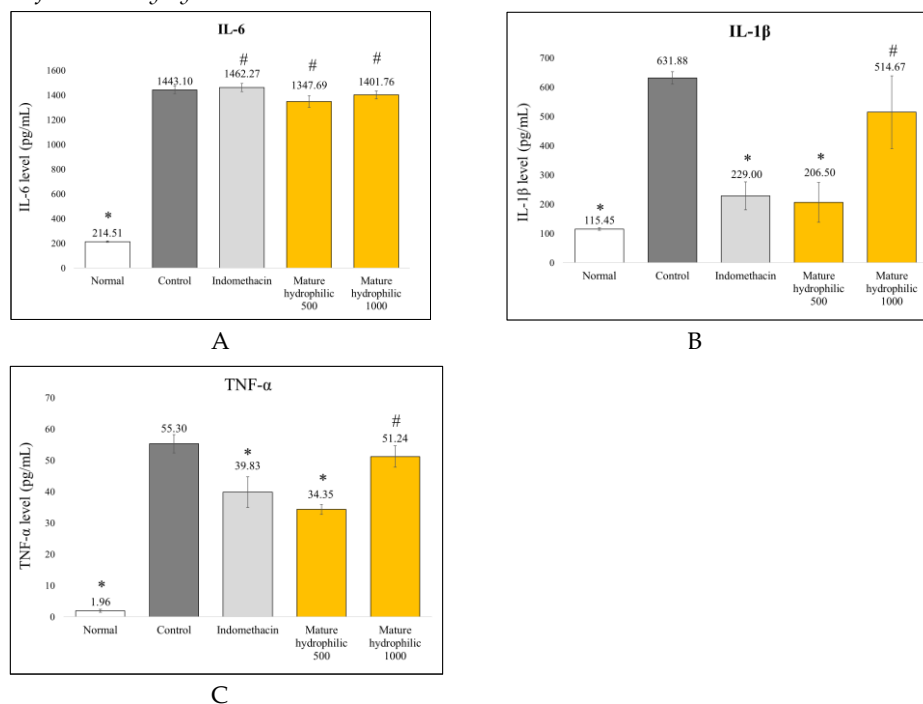
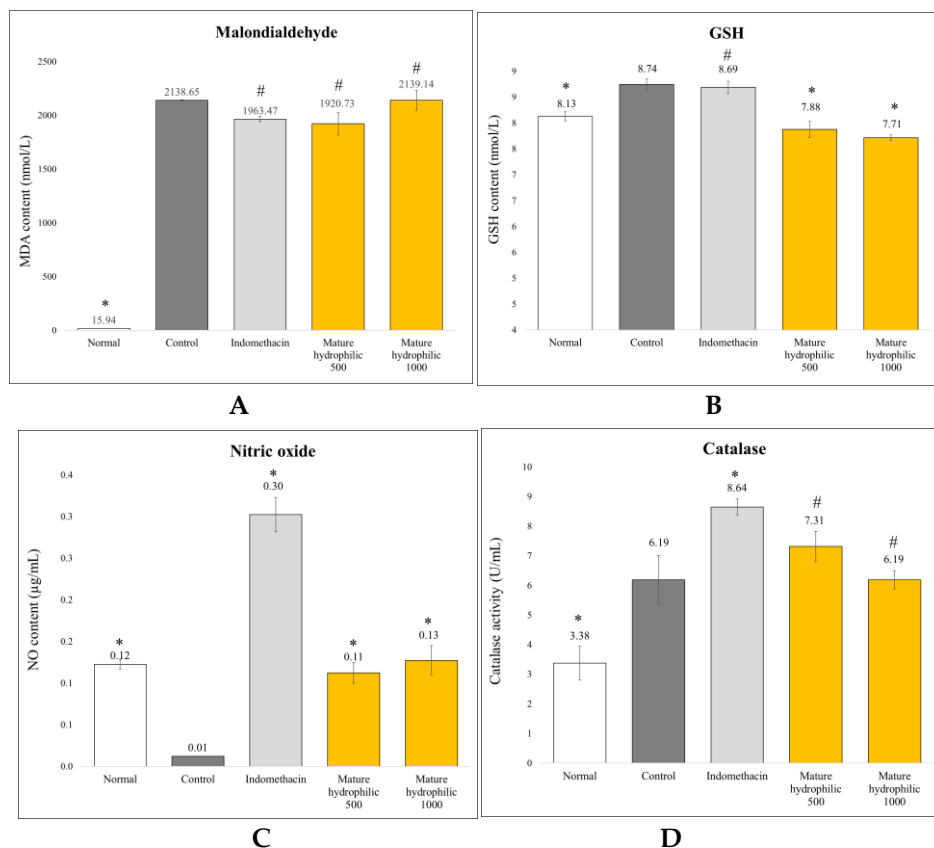


Figure S4. Inflammatory cytokines in exudate.

IL-6: Interleukin 6; IL-1β: Interleukin 1 beta; TNF-α: Tumor necrosis factor alpha.

Data are presented as mean \pm SEM ($n = 6$). Symbol (*) indicates a significant difference ($p < 0.05$) compared to the control group, while symbol (#) indicates that there are not significant difference ($p > 0.05$) compared to the control group, determined by Tukey's post hoc test.

Oxidative stress in exudate**Figure S5.** Oxidative stress in exudate.

Data are presented as mean \pm SEM (n = 6). Symbol (*) indicates a significant difference ($p < 0.05$) compared to the control group, while symbol (#) indicates that there are not significant difference ($p > 0.05$) compared to the control group, determined by Tukey's post hoc test.