**SUPPLEMENTARY MATERIALS**

# Antibacterial and antioxidant activities of methanolic leaf extracts of some *Annonaceous* plants found in Nakhon Si Thammarat, Thailand

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**Supplementary Table S1.** Phytochemical screening of methanolic leaf extracts of some *Annonaceous* plants in Nakhon Si Thammarat, Thailand (Sample1–20) (Auwal *et al.*, 2014; El Hazzam *et al.*, 2020; Heera *et al.*, 2012; Hossain *et al.*, 2013; Raal *et al.*, 2020; Stefanachi *et al.*, 2018).

| Sample No. | Plant name | Dragendorff test | Liebermann–Burchard test | Ammonium hydroxide TS | Raymond's reagent | Keddé's reagent | Forth test | 1% $FeCl_3$ | Sat .lead subacetate | 6 M NaOH |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | *Miliusa lineata* | - | Magenta | Red-orange solution with yellow precipitate (+) | - | + | ++ | Turquoise precipitate | Precipitate (+) | Dark yellow |
| 2 | *Polyalthia suberosa* | - | Blue green and magenta | Red-orange solution with yellow precipitate (++) | ++ | - | ++ | Turquoise precipitate | Precipitate (++) | Dark yellow |
| 3 | *Anaxagorea javanica* | + | Blue green and magenta | Yellow solution with yellow precipitate (+++) | - | - | + | Turquoise precipitate | Precipitate (+++) | Dark yellow |
| 4 | *Desmos chinensis* | + | Magenta | Red-orange solution with yellow precipitate (+) | - | - | - | Black precipitate | Precipitate (+++) | Dark yellow |
| 5 | *Uvaria rufa* | - | Magenta | Red-orange solution with yellow precipitate (++) | +++ | +++ | + | Turquoise precipitate | Precipitate (+++) | Dark yellow |
| 6 | *Winitia cauliflora* | - | Magenta | Yellow solution with yellow precipitate (+++) | - | - | +++ | Turquoise precipitate | Precipitate (++) | Dark yellow |
| 7 | *Uvaria curtisii* | - | Magenta | Yellow solution with yellow precipitate (+) | ++ | + | ++ | Turquoise precipitate | Precipitate (++) | Dark yellow |
| 8 | *Frisodielsia desmoids* | - | Magenta | Red-orange solution with yellow precipitate (+) | + | + | ++ | Turquoise precipitate | Precipitate (++) | Dark yellow |
| 9 | *Platymitra macrocarpa* | ++ | Blue green and magenta | Red-orange solution with yellow precipitate (+) | ++ | +++ | - | Turquoise solution | Precipitate (++) | Dark yellow |

| Sample No. | Plant name | Dragendorff test | Liebermann–Burchard test | Ammonium hydroxide TS | Raymond's reagent | Keddé's reagent | Forth test | 1% $FeCl_3$ | Sat .lead subacetate | 6 M NaOH |
|---|---|---|---|---|---|---|---|---|---|---|
| 10 | *Rauwenhoffia siamensis* | - | Blue green and magenta | Yellow solution with yellow precipitate (+++) | - | - | - | Turquoise precipitate | Precipitate (++) | Dark yellow |
| 11 | *Dasymaschalon blumei* | ++ | Magenta and black | Red-orange solution (-) | + | ++ | +++ | Turquoise precipitate | Precipitate (+) | Yellow |
| 12 | *Desmos cochinchinensis* | - | Blue green and magenta | Yellow solution with yellow precipitate (+++) | + | + | - | Turquoise precipitate | Precipitate (++) | Yellow |
| 13 | *Goniothalamus tapis* | - | Blue green and magenta | Yellow solution with yellow precipitate (++) | + | + | ++ | Turquoise precipitate | Precipitate (++) | - |
| 14 | *Alphonsea elliptica* | ++ | Blue green and magenta | Yellow solution with yellow precipitate (+++) | + | + | ++ | Turquoise precipitate | Precipitate (+) | Yellow |
| 15 | *Uvaria grandiflora* | + | Blue green and magenta | Yellow solution with yellow precipitate (++) | + | - | + | Turquoise precipitate | Precipitate (+) | - |
| 16 | *Artabotrys hexapetalus* | - | Blue green and magenta | Yellow solution with yellow precipitate (+) | + | + | - | Black precipitate | Precipitate (+++) | Dark yellow |
| 17 | *Cananga odorata* | - | Blue green and magenta | Yellow solution with yellow precipitate (++) | + | + | + | Turquoise precipitate | Precipitate (++) | Yellow |
| 18 | *Annona squamosa* | - | Blue green and magenta | Yellow solution with yellow precipitate (++) | + | + | - | Turquoise precipitate | Precipitate (+) | Yellow |
| 19 | *Sageraea elliptica* | - | Blue green and magenta | Yellow solution with yellow precipitate (++) | - | - | + | Turquoise precipitate | Precipitate (+) | - |
| 20 | *Mitrephora chulabhorniana* | - | Blue green and magenta | Yellow solution with yellow precipitate (+) | - | - | - | Turquoise precipitate | Precipitate (++) | Dark yellow |

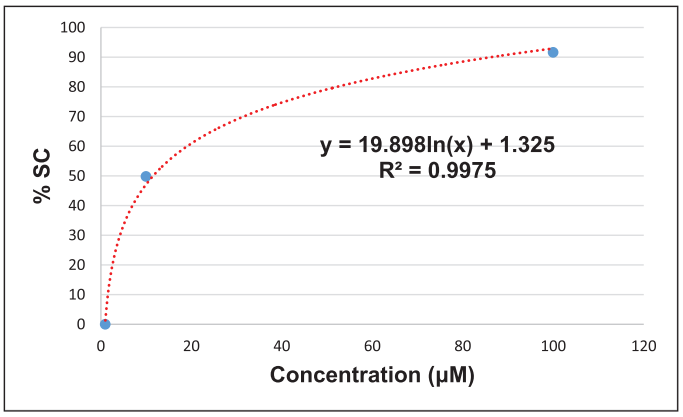


**Figure S1.** DPPH radical scavenging activity of **Extract 2,** $SC_{50}$ = 11.55 µM (Akaike *et al*., 2001; Braca *et al*., 2001).

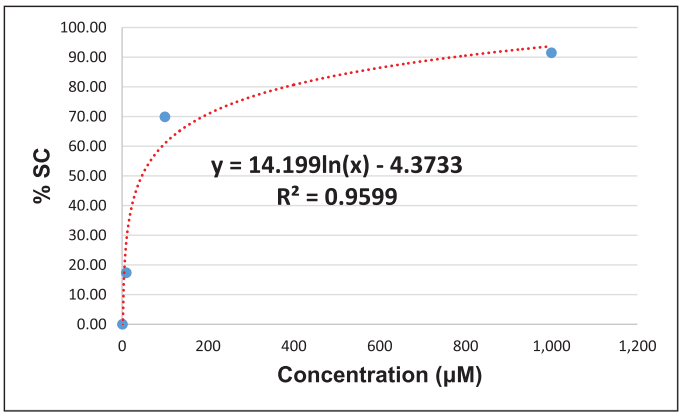


**Figure S3.** DPPH radical scavenging activity of **Extract 6,** $SC_{50}$ = 46.04 µM.

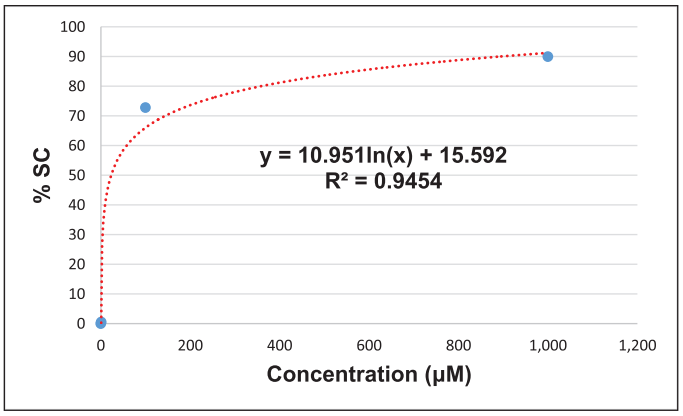


**Figure S2.** DPPH radical scavenging activity of **Extract 4,** $SC_{50}$ = 23.14 µM.

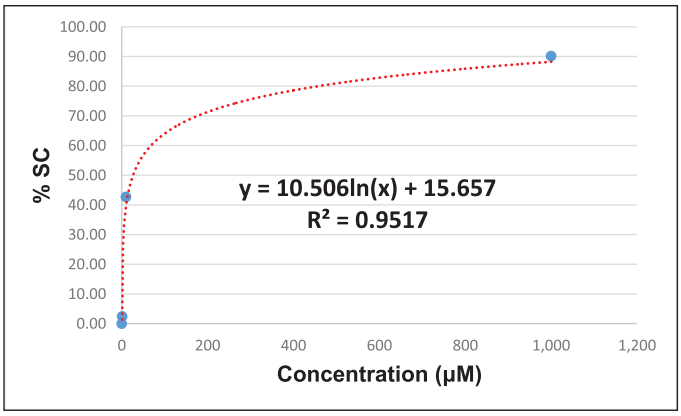


**Figure S4.** DPPH radical scavenging activity of **Extract 8,** $SC_{50}$ = 26.28 µM.