New Journal of Chemistry

Electronic Supplementary Information for

Ethyl acetate fraction of *Cymbopogon citratus* as a potential source of antioxidant compounds

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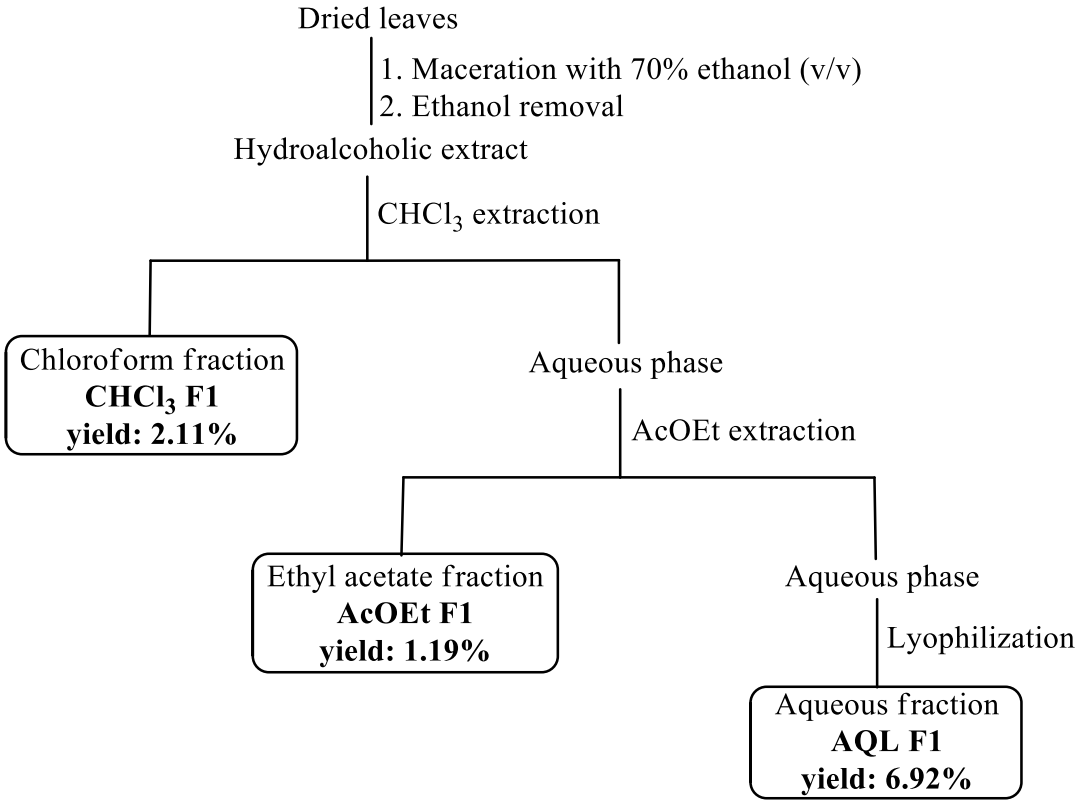
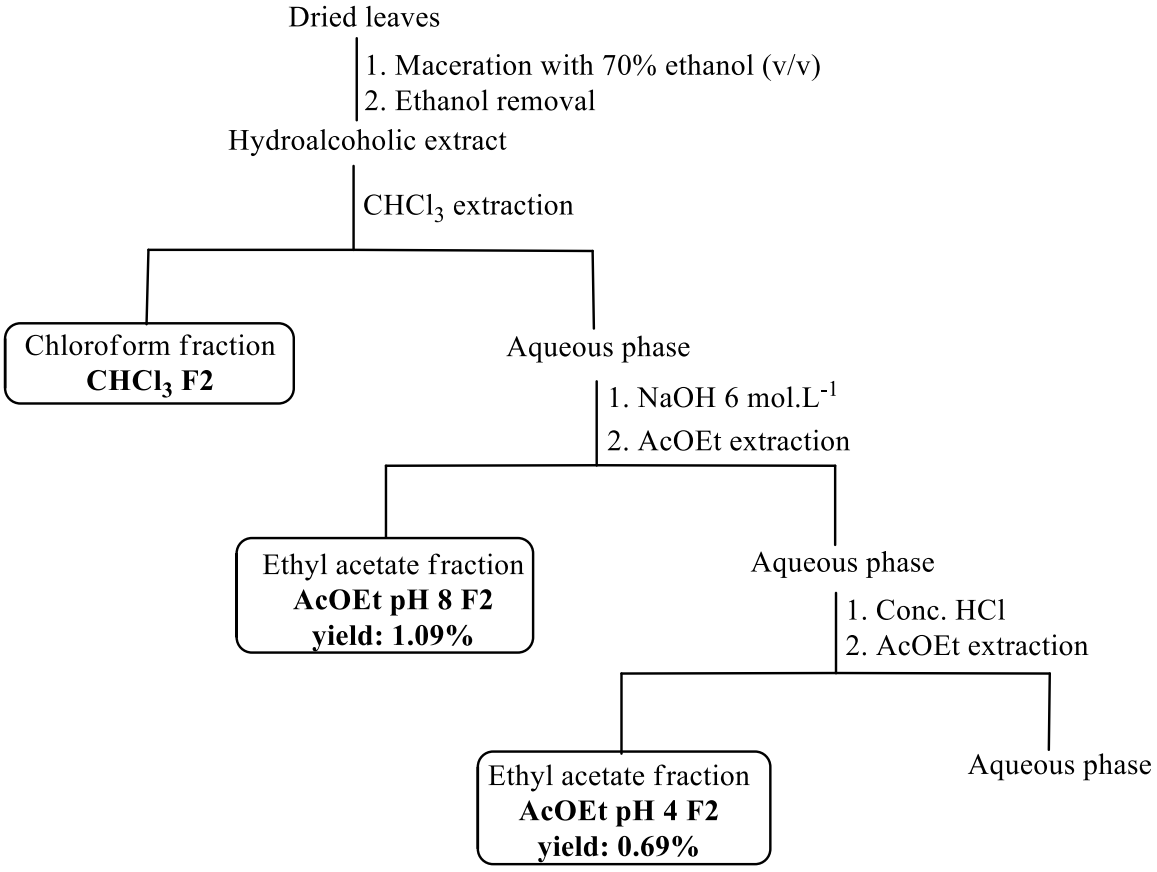
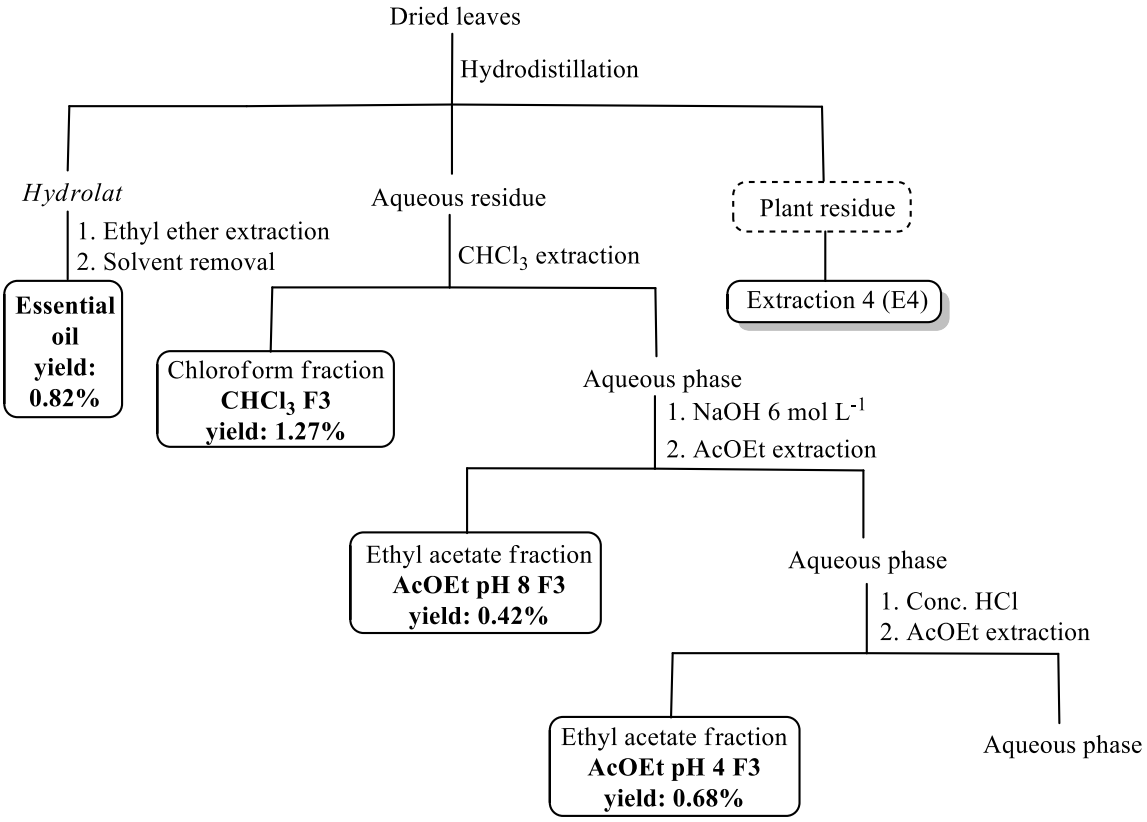
Extraction 1 (E1): Flowchart 1



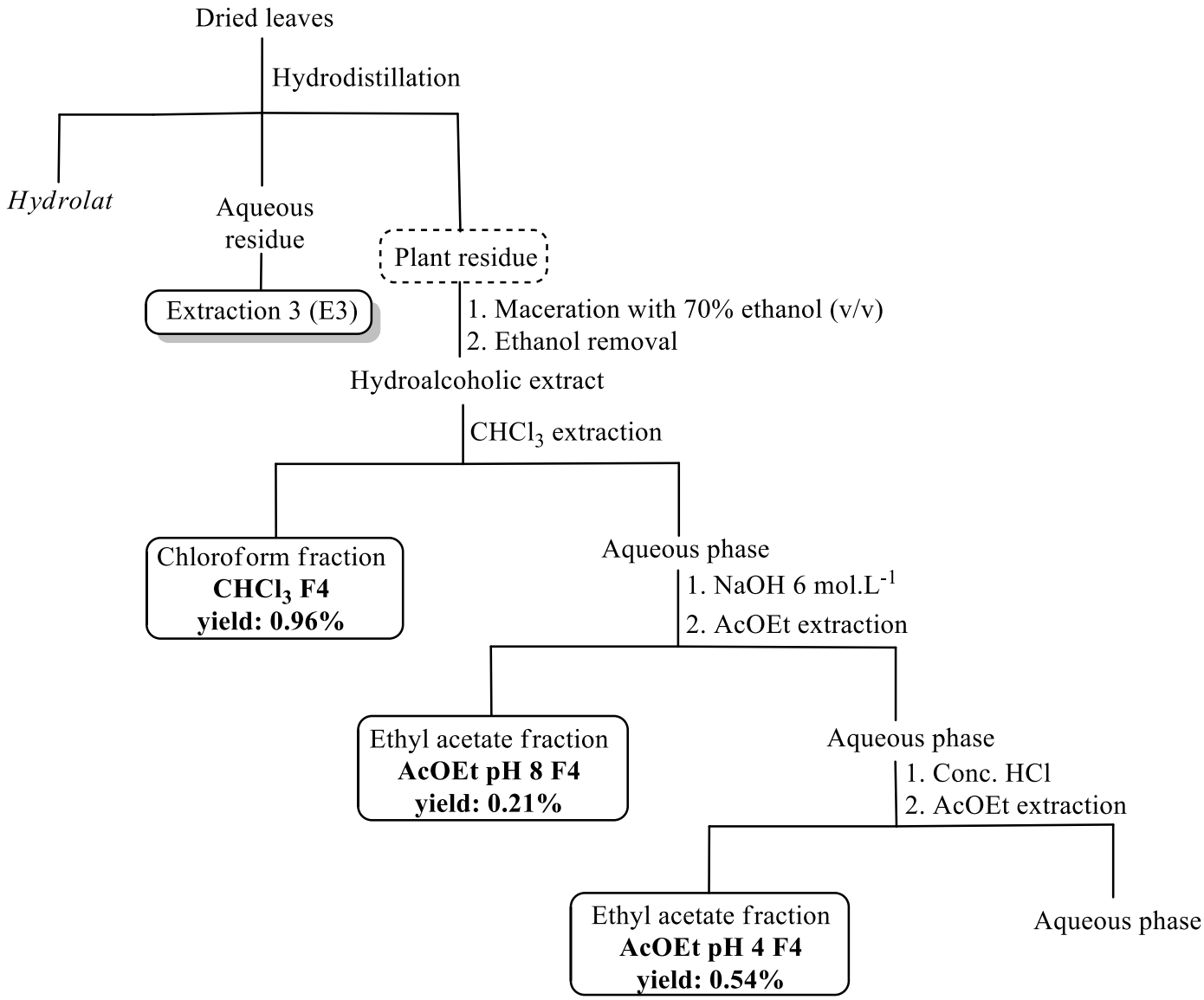
Extraction 2 (E2): Flowchart 2



Extraction 3 (E3): Flowchart 3



Extraction 4 (E4): Flowchart 4



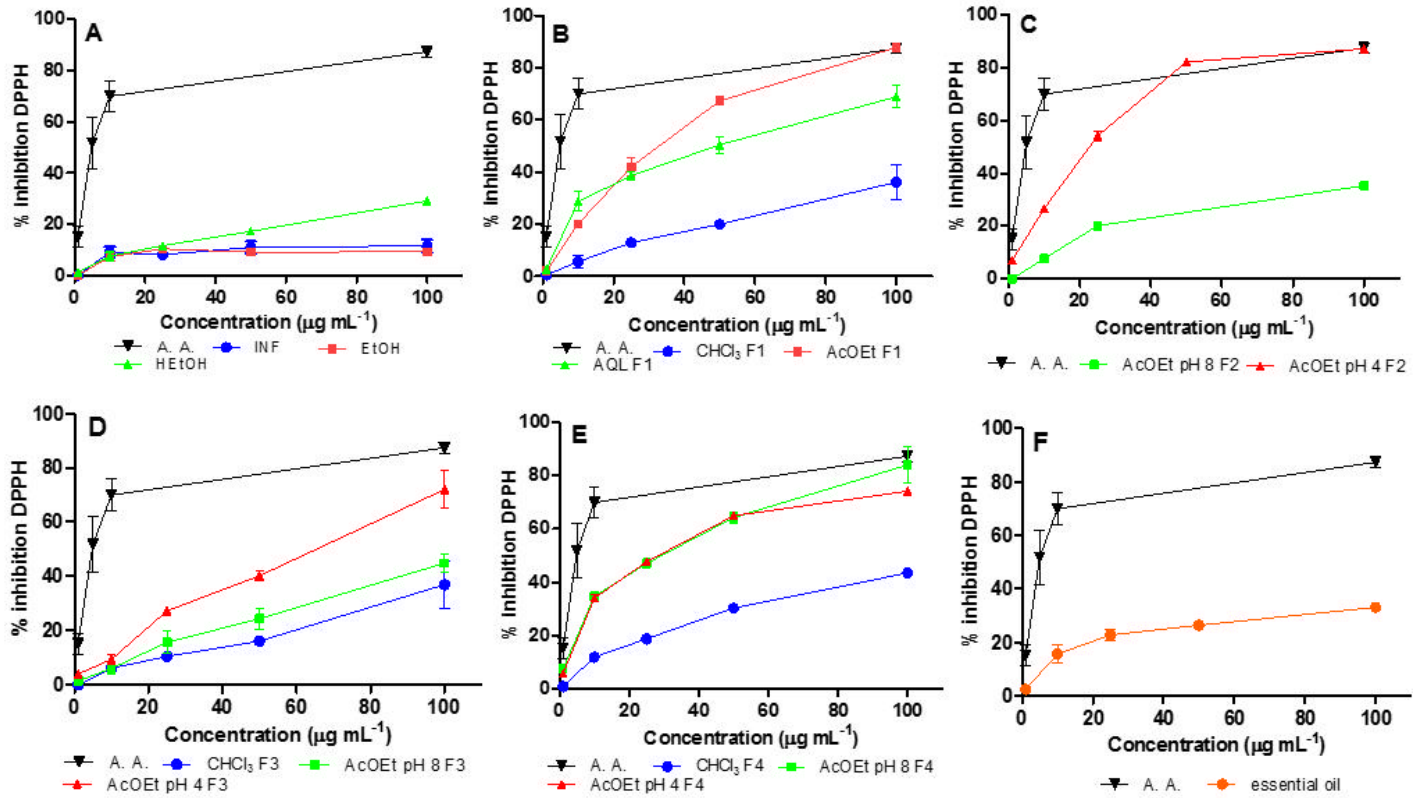


Figure S1. DPPH• radical scavenging activity of INF, EtOH, HEtOH (A), $CHCl_3$ F1, AcOEt F1, AQL F1 (B), AcOEt pH 8 F2, AcOEt pH 4 F2 (C), $CHCl_3$ F3, AcOEt pH 8 F3, AcOEt pH 4 F3 (D), $CHCl_3$ F4, AcOEt pH 8 F4, AcOEt pH 4 F4 (E) extracts and essential oil (F) of *C. citratus* extracts. Data show mean ± SD values average from 3 independent experiments performed in triplicate.

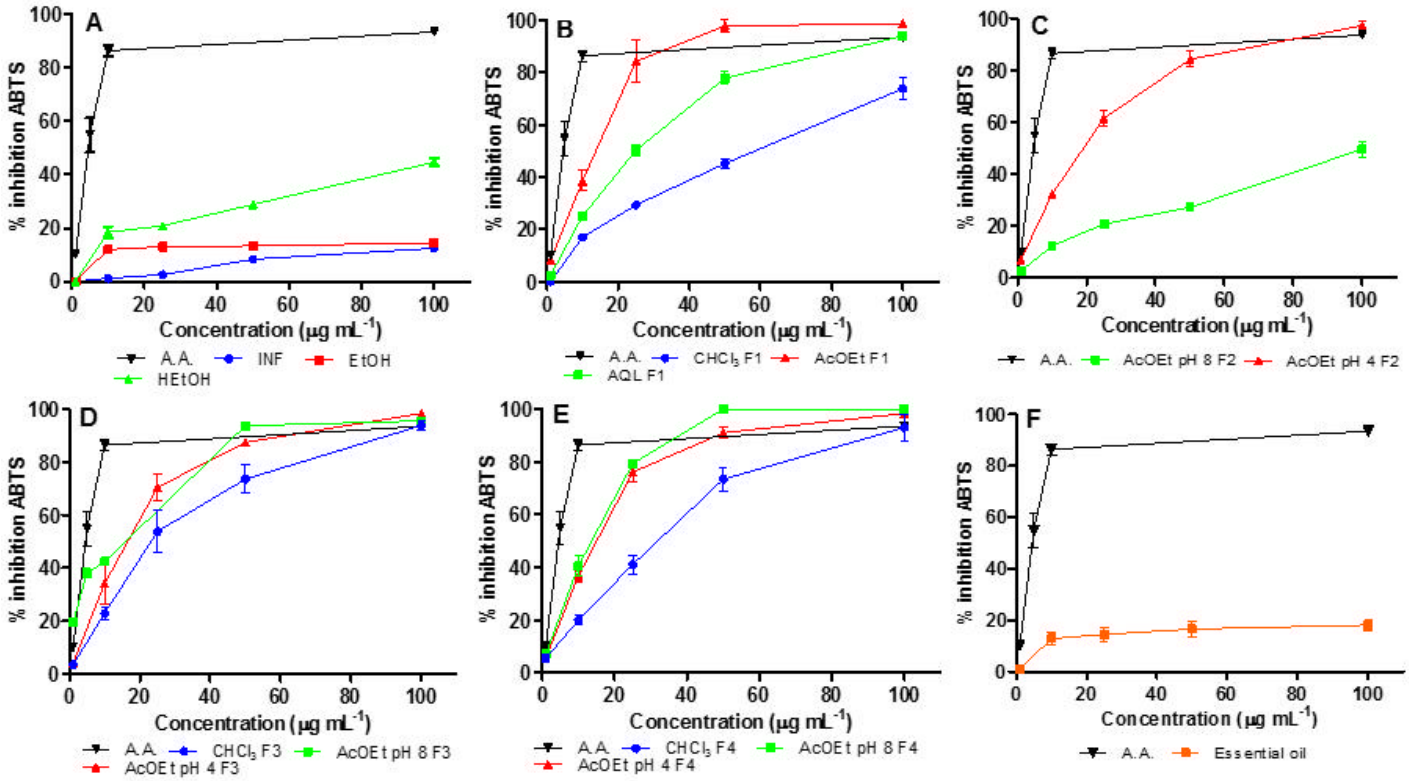


Figure S2. $ABTS^{\bullet+}$ radical scavenging activity of INF, EtOH, HEtOH (A), $CHCl_3$ F1, AcOEt F1, AQL F1 (B), AcOEt pH 8 F2, AcOEt pH 4 F2 (C), $CHCl_3$ F3, AcOEt pH 8 F3, AcOEt pH 4 F3 (D), $CHCl_3$ F4, AcOEt pH 8 F4, AcOEt pH 4 F4 (E) extracts and essential oil (F) of *C. citratus* extracts. Data show mean ± SD values average from 3 independent experiments performed in triplicate.

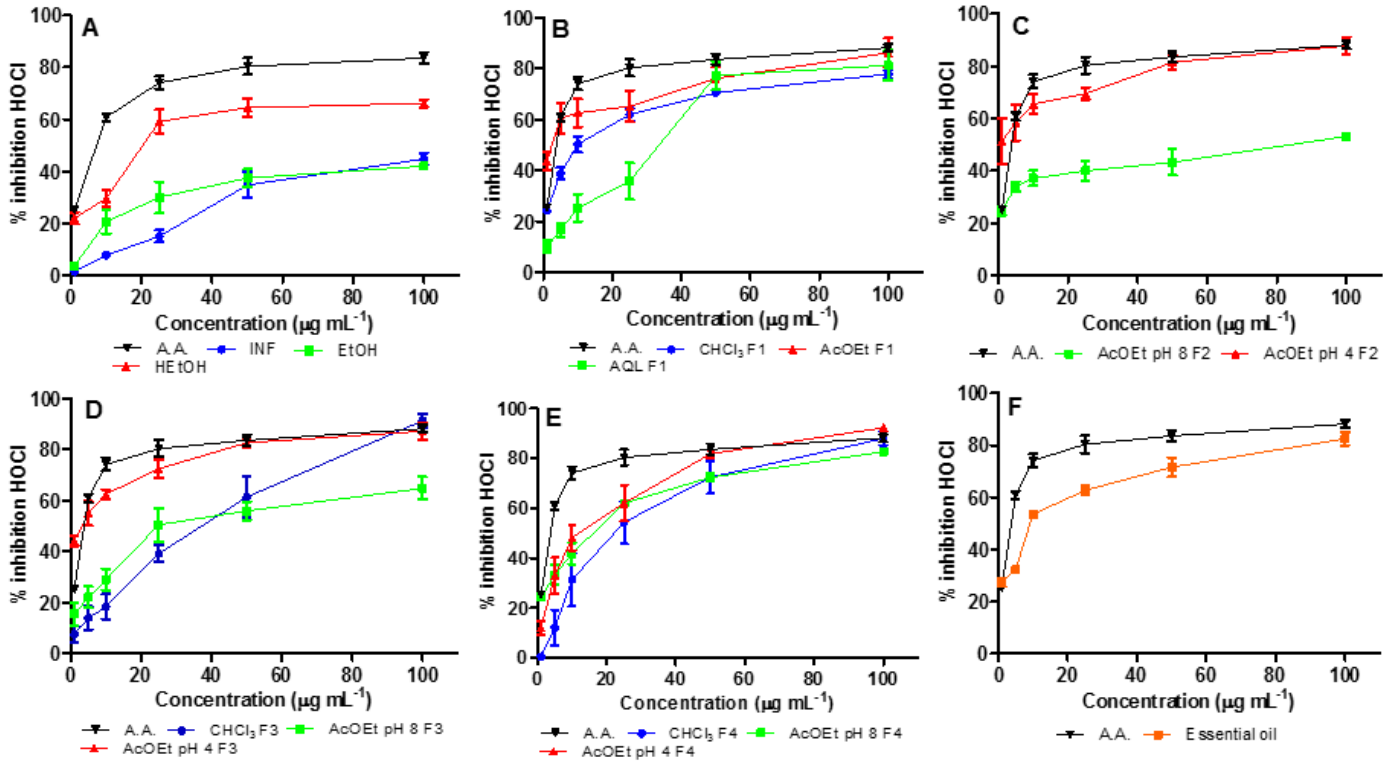


Figure S3. HOCl scavenging activity of INF, EtOH, HEtOH (A), $CHCl_3$ F1, AcOEt F1, AQL F1 (B), AcOEt pH 8 F2, AcOEt pH 4 F2 (C), $CHCl_3$ F3, AcOEt pH 8 F3, AcOEt pH 4 F3 (D), $CHCl_3$ F4, AcOEt pH 8 F4, AcOEt pH 4 F4 (E) extracts and essential oil (F) of *C. citratus* extracts. Data show mean ± SD values average from 3 independent experiments performed in duplicate.

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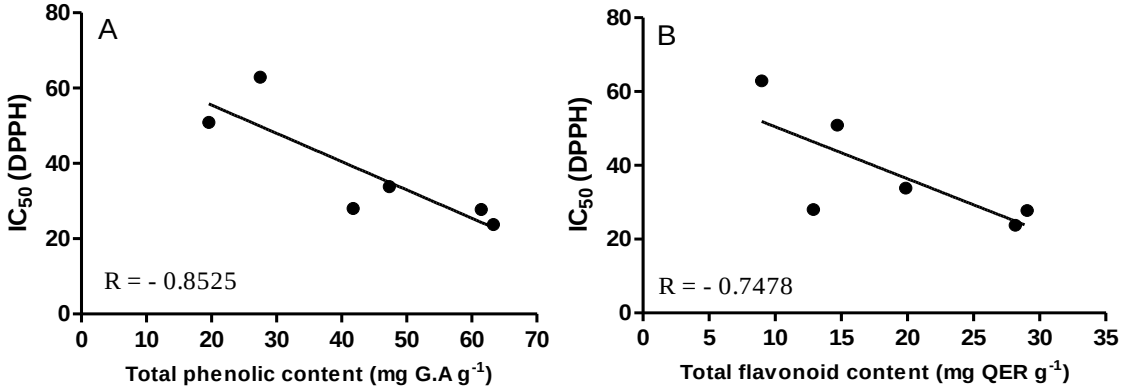

Figure S4. Correlation between inhibitory concentration in 50% of DPPH and A) total phenolic content and B) total flavonoid content.

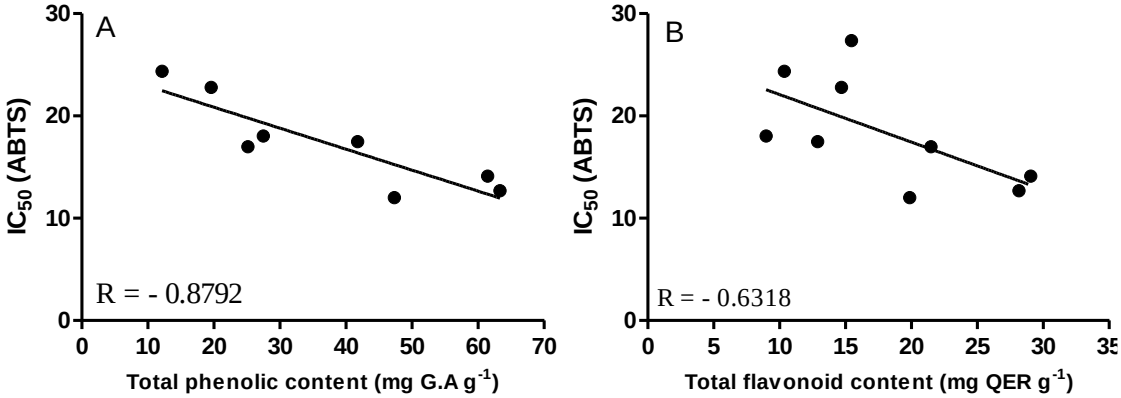

Figure S5. Correlation between inhibitory concentration in 50% of ABTS and A) total phenolic content and B) total flavonoid content.

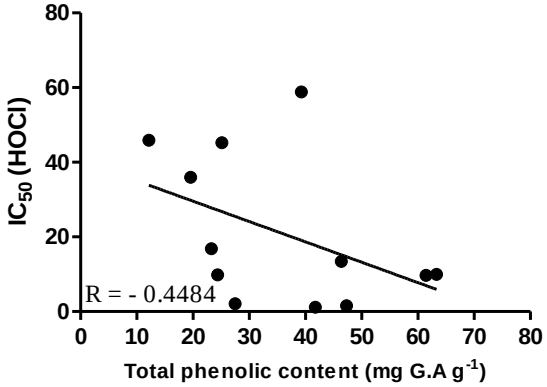

Figure S6. Correlation between inhibitory concentration in 50% of HOCl and total phenolic content.

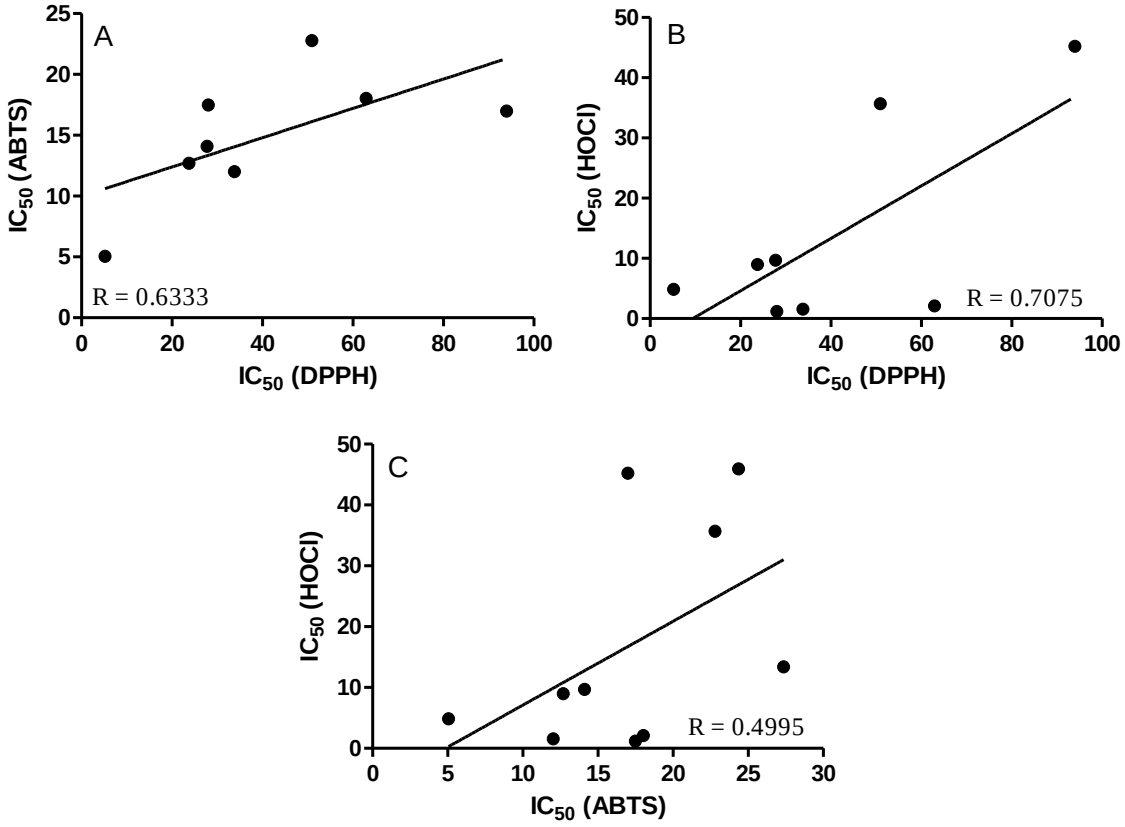

Figure S7. Correlation between inhibitory concentration in 50% of A) DPPH• and $ABTS^{\bullet+}$, B) DPPH• and HOCl and C) $ABTS^{\bullet+}$ and HOCl assays.

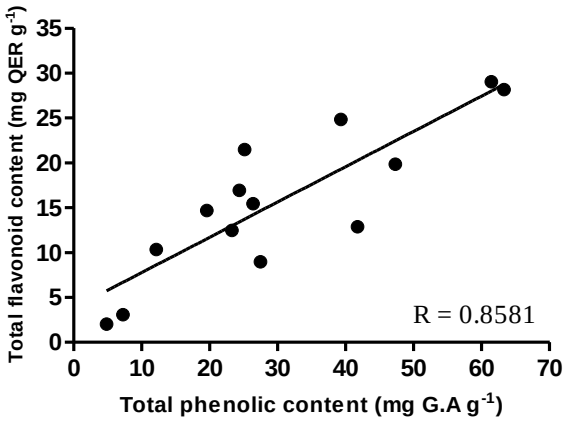

Figure S8. Correlation between total phenolic and flavonoid content.

Table S1. Pearson's correlation of the total phenolics, flavonoid content and different *in vitro* antioxidant assays.

	T.P	T.F	DPPH	ABTS	HOCl
T.P	1				
T.F	0.8581	1			
DPPH	-0.8525	-0.7478	1		
ABTS	-0.8792	-0.6318	0.6333	1	
HOCl	-0.4484	-	0.7075	0.4996	1

T.P = Total phenolic content.
T.F = Total flavonoid content.