crystals

MDPI

Supporting Information

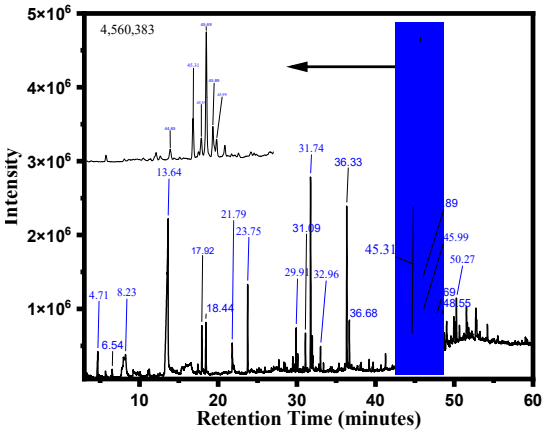

Figure S1. Gas Chromatography-Mass Spectrometry chromatogram of *Caralluma acutangula* extract in methanol. Inset Figure refers to zoom of the blue color zone. Identified predominant components in the extract are shown in Table S1.

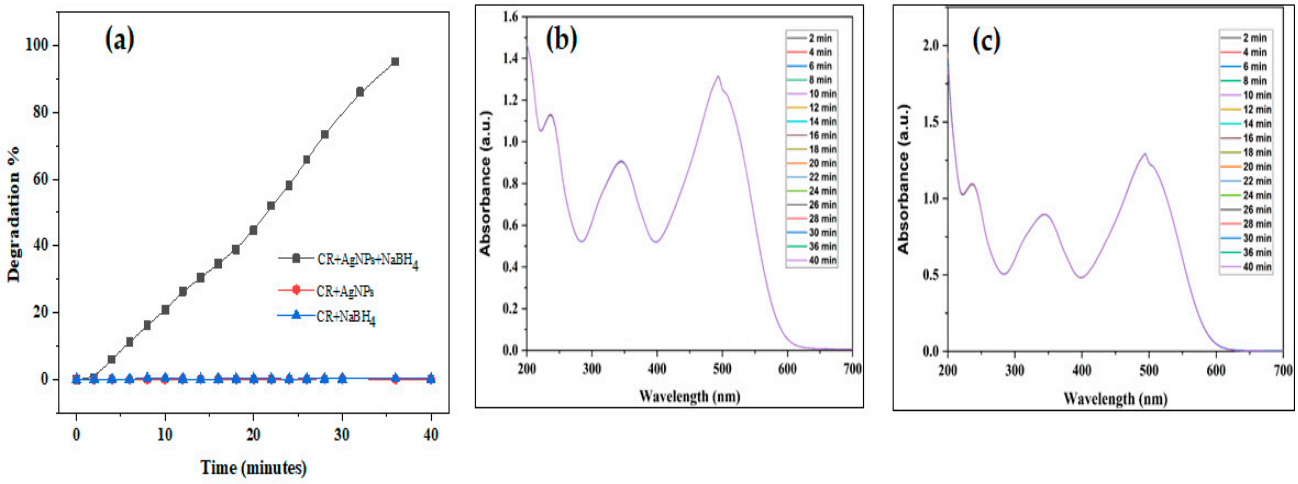

Figure S2. (a) CR dye degradation by CA-AgNPs with $NaBH_4$, $NaBH_4$, CA-AgNPs alone (b) Control UV graph of CR with $NaBH_4$ alone; (c) Control UV graph of MB with CA-AgNPs alone.

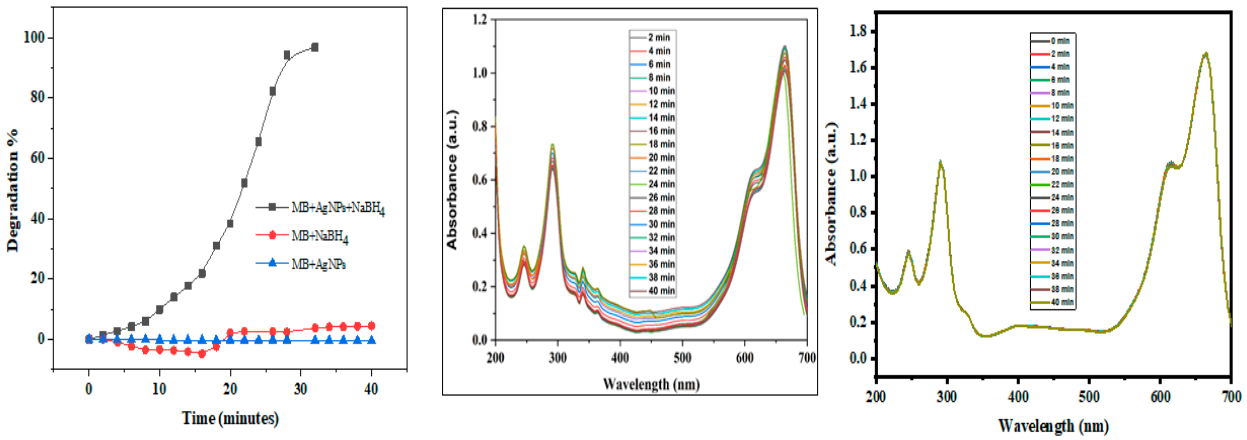

Figure S3. (a) MB dye degradation by CA-AgNPs with $NaBH_4$, $NaBH_4$, CA-AgNPs alone (b) UV graph of MB Control with $NaBH_4$ alone; (c) UV graph of MB Control with CA-AgNPs alone.

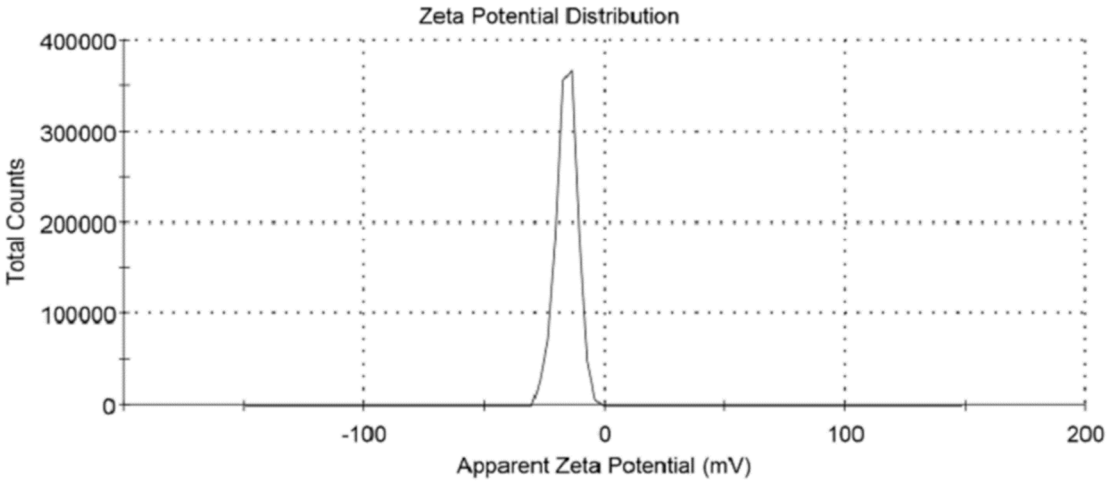

Figure S4. Zeta Potential analysis of CA-AgNPs.

Table S1. List of phytochemicals identified in aqueous extract of CAE by Gas Chromatography-Mass spectrometry (GC-MS) along with their retention times, and peak area%, similarity index and molecular weight.

Peak	R. Time (min)	Peak area %	S.I. %	Name of Phytochemical from CA	Molecular weight (g/mol)
1	4.71	1.84	88	Isovaleric acid	102
2	6.54	0.30	93	1,2-Cyclopentanedione	98
3	8.23	8.22	92	Glycerin	92
4	13.64	27.80	98	Benzoic acid	122
5	17.92	2.26	83	1,3,5-Pentanetriol, 3-methyl	134
6	18.44	2.88	80	Glycerol trimethyl ether	134
7	21.79	0.68	81	3-Furanacetic acid, 4-hexyl-2,5-dihydro-2,5-dioxo-	240
8	23.75	3.20	82	3',5'-Dimethoxyacetophenone	180
9	29.91	1.60	79	2'-deoxy-3-methyl-3',5'-di-O-methyl- Uridine	270
10	31.09	1.75	76	4-(1,3,3-trimethyl-7-oxabicyclo[4.1.0]hept-2-yl)- 2-Pentanone	224
11	31.74	10.16	72	Tridecanoic acid, 4,8,12-trimethyl-, methyl ester	270
12	31.96	1.23	75	2-Methyl-2-hexenoic acid	128
13	32.03	0.55	90	L-(+)-Ascorbic acid 2,6-dihexadecanoate	652
14	36.33	6.49	71	(2S,13S)-12,13-Dihydroxy-1,4,7,10-tetraoxacyclotetradecane	236
15	36.67	2.33	71	6-O-Methyl-2,4-methylene-.beta.-sedoheptitol	238
16	44.65	1.13	66	Androst-5,15-dien-3ol acetate	314
17	45.31	3.78	69	K-Strophanthin	710
18	45.47	0.43	68	Cymarin	548
19	45.55	1.95	68	11-α-Hydroxy-7-oxodiosgenin	444
20	45.69	11.77	70	D-Arabino-Hexopyranoside, methyl 2,6-dideoxy-4-O-(6-deoxy-3-O-methyl-.beta.-D-allopyranosyl)-3-O-methyl-	336
21	45.89	3.65	71	2H-Pyran, 6-heptyltetrahydro-2,2-dimethoxy-	244

22	45.99	1.69	77	Uridine, 2'-deoxy-3-methyl-3',5'-di-O-methyl-	270
23	47.69	1.32	66	1-Heptatriacotanol	536
24	48.55	1.21	72	Methyl eicosa-5,8,11,13-tetraenoate, adduct with 1-methyl1,3,4-triazolin-2,5-dione	431
25	50.27	1.86	65	2,5-Furandione, 3-dodecenyl-	266