

Supplementary Table S1. Minimum inhibitory concentration (MIC) values in $\mu\text{g/mL}$ of lawsone, Calli oil, combined treatment and liposomes against different multidrug resistant bacterial strains after 24hrs incubation period. MIC is the lowest concentration of substance that resulted in 90-100% inhibition of microbial growth.

Bacteria	MIC ($\mu\text{g/mL}$)					
	Lawsone	Calli oil	Combination (1.3 lawsone: 1 oil)	Liposome (1 lawsone : 1.2 oil)*	Colistin	Vancomycin
<i>E. coli</i>	220	200	100	100	2.5	NA
<i>MRSA</i>	220	180	100	100	NA	3
<i>K. pneumoniae</i>	220	180	100	100	10	NA
<i>A. baumannii</i>	240	200	110	100	1.25	NA
<i>P. aeruginosa</i>	220	180	100	100	0.7	NA

*The amount of lawsone and oil measured in the liposome preparation was ~0.8 and 0.9 of the amount employed at the beginning of preparation, respectively. NA= not applicable

Supplementary Table S2. Minimum inhibitory concentration (MIC) values in $\mu\text{g/mL}$ of lawsone, Calli oil, combined treatment and liposomes against different MDR *Candida* strains and *Rhizopus* after 24hrs incubation period. MIC is the lowest concentration of substance that resulted in 90-100% inhibition of microbial growth.

Fungi	MIC ($\mu\text{g/mL}$)					
	Lawsone	Calli oil	Combination (1.3 lawsone: 1 oil)	Liposome (1 lawsone : 1.2 oil)*	Ketoconazole	Amphotricin B
<i>C. albicans</i>	250	220	150	150	1	NA
<i>C. krusei</i>	300	240	150	150	3	NA
<i>C. glabrata</i>	250	220	150	150	1	NA
<i>C. tropicalis</i>	250	220	150	150	1	NA
<i>C. auris</i>	300	240	150	150	3	NA
<i>Rhizopus</i>	250	250	150	150	NA	5

* The amount of lawsone and oil measured in the liposome preparation was ~0.8 and 0.9 of the amount employed at the beginning of preparation, respectively. NA= not applicable