






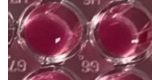



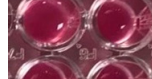







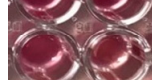




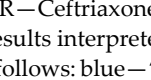

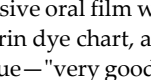
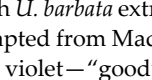
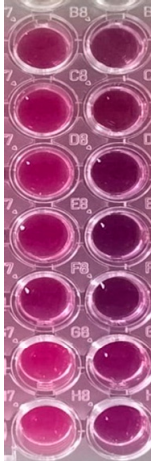
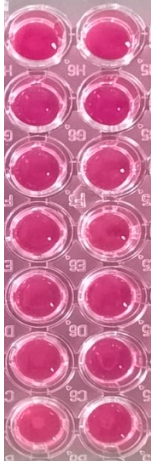
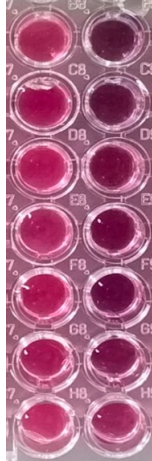
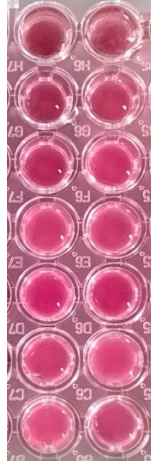
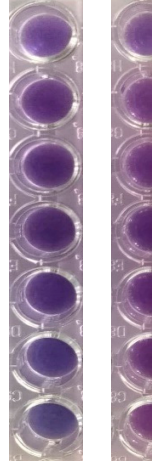
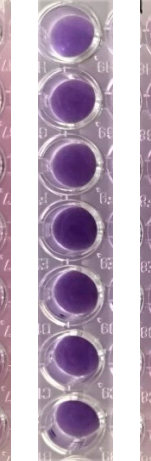
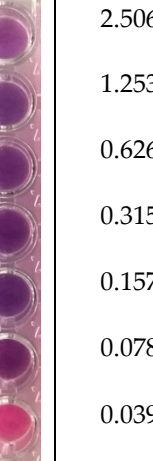
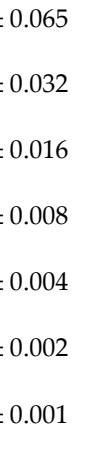
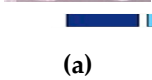

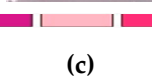
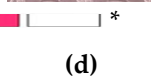
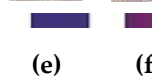



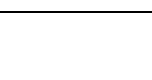
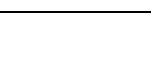
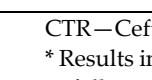
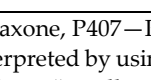
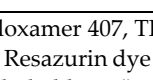
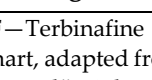
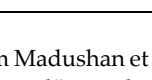
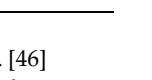


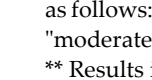
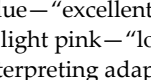
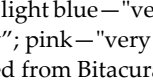
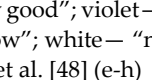
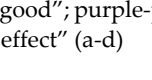






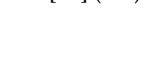
























**Table S1.** The inhibitory activity of F-UBO on Gram-positive (*S. aureus*) and Gram-negative bacteria (*P. aeruginosa*) after 24 ore incubation at 37 °C.

CTR (mg/mL)		<i>S. aureus</i>		<i>P. aeruginosa</i>		F-UBO
30.230 ± 0.630	122.330 ± 0.850	CTR	F-UBO	CTR	F-UBO	63.533 ± 1.955
1.511 ± 0.043	6.117 ± 0.042					3.176 ± 0.097
0.755 ± 0.022	4.893 ± 0.034					1.588 ± 0.048
0.377 ± 0.011	3.914 ± 0.027					0.794 ± 0.024
0.188 ± 0.005	3.131 ± 0.021					0.397 ± 0.012
0.094 ± 0.002	2.505 ± 0.017					0.199 ± 0.008
0.047 ± 0.002	2.004 ± 0.014					0.100 ± 0.004
0.023 ± 0.001	1.603 ± 0.011					0.049 ± 0.002

CTR—Ceftriaxone, F-UBO—Bioadhesive oral film with *U. barbata* extract in canola oil;  
 \* results interpreted by using Resazurin dye chart, adapted from Madushan et al. [46]  
 as follows: blue—"excellent"; light blue—"very good"; violet—"good"; purple-pink—"moderate"; light pink—"low"; pink—"very low"; white—"no effect."

**Table S2.** The antibacterial and antifungal activities of 5% P407.




































<i>S. aureus</i>		<i>P. aeruginosa</i>		<i>C. albicans</i>		<i>C. parapsilosis</i>		P407 (mg/mL)
CTR	P407	CTR	P407	TRF	P407	TRF	P407	50.133 ± 1.305
								2.506 ± 0.065
								1.253 ± 0.032
								0.626 ± 0.016
								0.315 ± 0.008
								0.157 ± 0.004
								0.078 ± 0.002
								0.039 ± 0.001
								**
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	

CTR—Ceftriaxone, P407—Poloxamer 407, TRF—Terbinafine

\* Results interpreted by using Resazurin dye chart, adapted from Madushan et al. [46]  
 as follows: blue—"excellent"; light blue—"very good"; violet—"good"; purple-pink—"moderate"; light pink—"low"; pink—"very low"; white—"no effect" (a-d)

\*\* Results interpreting adapted from Bitacura et al. [48] (e-h)

**Table S3.** The inhibitory activity of F-UBO on *C. albicans* and *C. parapsylosis* after 24 ore incubation at 35 °C; the color score and signification [48].

Dil.	TRF (mg/mL) 10.050 ± 0.180	<i>C. albicans</i>		<i>C. parapsylosis</i>		Color **	Score **	Signification**
		TRF	F-UBO	TRF	F-UBO			
1	0.500 ± 0.009						0	Blue – cells are death
2	0.250 ± 0.004						1	Violet-blue – cells are partially death
3	0.125 ± 0.002						2	Violet – cells are alive; no proliferation
4	0.061 ± 0.001						3	Light-violet – low proliferation
5	0.031 ± 0.001						4	Dark pink – moderate proliferation
6	0.015 ± 0.001						5	Pink – fast proliferation
7	0.007 ± 0.001						6	Light pink – very fast proliferation

TRF – Terbinafine, F-UBO – bioadhesive films with *U. barbata* extract in canola oil.

\*\* Results interpreting adapted from Bitacura et al. [48].