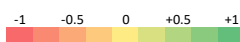**Table S1.** Actual values for PCC (Pearson Correlation Coefficient) showing the relation between the main phytochemicals (TPC, TFC, caffeic acid, methyl-caffeate, scopoletin and esculetin) from extracts of *in vitro* culture of *S. xanthocarpum* subjected to different light treatments and the mentioned biological activities (antioxidant, anti-diabetes, anti-aging and anti-inflammatory).

	TPC	TFC	caffeic acid	methyl-caffeate	scopoletin	esculetin
DPPH	0.620	-0.169	0.162	0.039	0.653	0.682
ABTS	0.925	**0.208****	**0.829***	**0.770***	0.587	0.639
FRAP	0.885	**0.096****	**0.928****	**0.890****	0.373	0.431
α-glucosidase	0.890	**0.171****	**0.909****	**0.855***	0.411	0.462
α-amylase	0.917	**0.265****	**0.840***	**0.812***	0.599	0.638
COX-1	0.845	**0.195***	0.531	0.553	**0.859***	**0.878****
COX-2	0.586	0.303	-0.003	0.043	**0.790***	0.503
sPLA2	**0.623***	0.739	0.614	0.595	0.532	0.504
15LOX	**0.520***	0.777	0.210	0.144	0.486	0.195
Verp. AGEs	0.927	**0.150****	**0.877****	**0.826***	0.520	0.581
Pent. AGEs	0.853	**0.152***	**0.825***	0.728	0.520	0.667
collagenase	0.481	0.000	0.274	0.266	0.675	**0.854***
tyrosinase	0.584	0.075	**0.903****	**0.963*****	0.175	0.371
elastase	-0.355	0.215	-0.719	-0.698	0.143	-0.096
hyalunidase	0.204	0.445	0.009	0.133	**0.758***	**0.835***

TPC Total Phenolic Content; TFC Total Flavonoid Content; DPPH 2,2-Diphenyl-1-picrylhydrazyl radical scavenging activity ; ABTS 2,2-Azinobis (3-ethylbenzthiazoline-6-sulphonic acid) antioxidant activity; FRAP Ferric reducing antioxidant power; COX-1 cyclooxygenase-1 inhibition; COX-2 cyclooxygenase-2 inhibition; sPLA2 phospholipase A2 inhibition; 15-LOX lipoxygenase inhibition; Verp. AGE vesperlysine-like advanced glycation end products inhibition; Pent. AGE pentosidine-like advanced glycation end products inhibition.

-1	-0.5	0	+0.5	+1

Colors referred to the following PCC values:

*p < 0.05, **p < 0.01, *** p < 0.001.