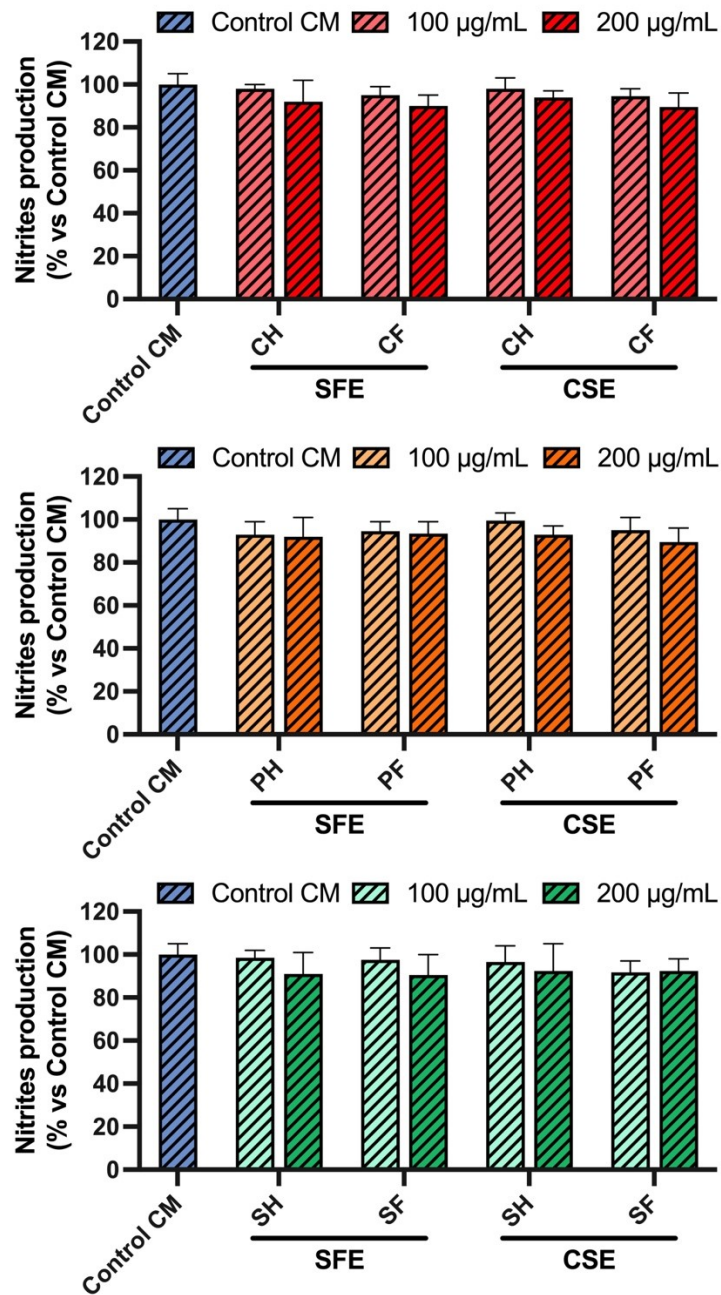


Supplementary Table1: Real-Time PCR primers sequences. **TNF- α** : tumor necrosis factor- α ; **IL-6**: interleukin-6; **IL-1 β** : interleukin-1 β ; **Nrf2**: nuclear factor erythroid 2-related factor 2; **HO-1**: hemeoxygenase-1; **GPx**: glutathione peroxidase; **CAT**: catalase; **18S**: 18S rRNA.

Primer	Sequence
TNF-α	Fw CAGGCGGTGCCTATGTCTC
	Rev CGATCACCCCGAAGTTCAGTAG
IL-6	Fw CTGCAAGAGACTTCCATCCAG
	Rev AGTGGTATAGACAGGTCTGTTGG
IL-1β	Fw GAAATGCCACCTTTTGACAGTG
	Rev TGGATGCTCTCATCAGGACAG
Nrf2	Fw AGCAGGACATGGAGCAAGTT
	Rev TTCTTTTTCCAGCGAGGAGA
HO-1	Fw TTACCTTCCCGAACATCGAC
	Rev GCATAAATTCCCACTGCCAC
GPx	Fw CCTCAAGTACGTCCGACCTG
	Rev CCATGTCGTTGCGGCACACC
CAT	Fw GCAGATACCTGTGAACTGTC
	Rev GTAGAATGTCCGCACCTGAG
18S	Fw AGTCGGAGGTTCGAAGACGAT
	Rev GCGGGTCATGGGAATAACG

Supplementary Figure 1. Nitrites production assessment in RAW 264.7 exposed to untreated (Control_{CM}) and treated MDA-MB-231 conditioned medium. Values represent mean \pm S.D. of three independent experiments, each one performed with triplicate samples.



Supplementary Figure 2. Correlation matrix for extract components and cell responses. Blueish tones indicate higher positive correlations, whereas reddish tones point towards negative correlations; a red circle indicates a negative one. Larger circle diameters denote higher modules of the correlation coefficient (r). Non-significant correlations are shown as white intersections (significance was set at $p \leq 0.05$).

α -T3, α -tocotrienols; β -T, β -tocopherols; α -T, α -tocopherols; TT, total tocopherols; LUT, lutein; ZEA, Zeaxanthin; 9z- β CRT, 9-cis- β -carotene; α -CRT, α -carotene; β -CRT, β -carotene; 13z- β CRT, 13-cis- β -carotene; TCDS, total carotenoids; TT/TCDS, total tocopherols/total carotenoids ratio; CS, campesterol; SS, stigmasterol; β -SIS, β -sitosterol; TS, total sterols; α -AMY, α -amyrin; β -AMY, β -amyrin; TA, total amyrin; MA, myristic acid (C14:0); PDA, pentadecanoic acid (C15:0); PA, palmitic acid (C16:0); MGA, margaric acid (C17:0); SA, stearic acid (C18:0); AA, arachidic acid (C20:0); BA, Behenic acid (C22:0); HDA, 7-hexadecenoic acid (C16:1); PLA, palmitoleic acid (C16:1); OA, Oleic acid (C18:1n9c); VA, vaccenic acid (C18:1n7); GA, gondoic acid (C20:1); LA, linoleic acid (C18:2n6c); GLA, γ -linolenic acid (C18:3n6); ALA, α -linolenic acid (C18:3n3); SDA, stearidonic acid (C18:4n3); ETE, eicosatrienoic acid (C20:3n7); SFA, saturated fatty acids; MUFA, monounsaturated fatty acids; PUFA, polyunsaturated fatty acids; NP_{LPS}, nitrite production LPS-stimulated; ROS, Intracellular ROS, levels; NP_{cm}, nitrite production conditioned medium; 100 and 200 are extract concentrations expressed as $\mu\text{g/mL}$ of cell culture medium.

