

Table S1. Antiproliferative effect of *C. pyrenoidosa* extract in human endometrial cancer cells (EDC, HEC-1-B, KLE). The cell metabolic activity was determined using the MTT assay, while DNA synthesis was assessed using the BrdU test. Results are presented as mean of % of control $\pm$ SD of at least 4 measurements.

Extract concentrations	EDC		HEC-1-B		KLE	
	MTT assay	BrdU assay	MTT assay	BrdU assay	MTT assay	BrdU assay
0 $\mu\text{g/ml}$	100.0 $\pm$ 0.9%	100.0 $\pm$ 1.7%	100.0 $\pm$ 1.3%	100.0 $\pm$ 2.7%	100.0 $\pm$ 3.3%	100.0 $\pm$ 1.5%
50 $\mu\text{g/ml}$	71.4 $\pm$ 2.5%	83.4 $\pm$ 1.5%	56.8 $\pm$ 3.0%	94.0 $\pm$ 0.9%	73.6 $\pm$ 2.1%	91.6 $\pm$ 1.6%
100 $\mu\text{g/ml}$	60.9 $\pm$ 1.4%	75.5 $\pm$ 1.5%	54.5 $\pm$ 0.8%	90.7 $\pm$ 2.9%	64.5 $\pm$ 1.6%	82.0 $\pm$ 3.0%
250 $\mu\text{g/ml}$	53.8 $\pm$ 1.9%	70.6 $\pm$ 0.6%	37.7 $\pm$ 2.1%	87.1 $\pm$ 2.0%	40.0 $\pm$ 4.4%	59.3 $\pm$ 4.4%
500 $\mu\text{g/ml}$	47.2 $\pm$ 0.9%	64.6 $\pm$ 1.0%	12.9 $\pm$ 0.8%	66.7 $\pm$ 1.3%	17.9 $\pm$ 2.2%	36.0 $\pm$ 3.0%
1000 $\mu\text{g/ml}$	43.0 $\pm$ 1.5%	58.6 $\pm$ 2.2%	0.4 $\pm$ 0.1%	20.9 $\pm$ 1.6%	1.0 $\pm$ 0.4%	7.7 $\pm$ 3.7%

Table S2. Antimigratory effect of *C. pyrenoidosa* extract in human endometrial cancer cells (EDC, HEC-1-B, KLE). The migratory capacity of cancer cells was determined by examination of the wound area overgrown with cells in response to the chlorella extract using Image J software. Results are presented as mean of % of control $\pm$ SD of 4 measurements.

Extract concentrations	EDC	HEC-1-B	KLE
0 $\mu\text{g/ml}$	100.0 $\pm$ 2.0%	100.0 $\pm$ 5.4%	100.0 $\pm$ 4.6%
250 $\mu\text{g/ml}$	96.1 $\pm$ 3.0%	86.7 $\pm$ 3.1%	83.2 $\pm$ 11.6%
500 $\mu\text{g/ml}$	90.8 $\pm$ 5.5%	81.9 $\pm$ 8.0%	69.7 $\pm$ 8.3%
1000 $\mu\text{g/ml}$	79.2 $\pm$ 1.9%	60.0 $\pm$ 5.8%	56.4 $\pm$ 8.0%

Table S3. Cell death induction in human endometrial cancer cells (EDC, HEC-1-B, KLE) in response to *C. pyrenoidosa* extract. Cytotoxic effect of chlorella extract was determined using the LDH assay while extract proapoptotic ability was determined by Cell Death Detection ELISA. As a positive control, was used cis-platinum at a concentration of 25 $\mu\text{g/ml}$. Results are presented as mean of % of control $\pm$ SD of at least 3 measurements.

Extract concentrations	EDC		HEC-1-B		KLE	
	LDH assay	ELISA	LDH assay	ELISA	LDH assay	ELISA
0 $\mu\text{g/ml}$	100.0 $\pm$ 1.5%	100.0 $\pm$ 2.7%	100.0 $\pm$ 1.1%	100.0 $\pm$ 5.1%	100.0 $\pm$ 1.3%	100.0 $\pm$ 3.6%
50 $\mu\text{g/ml}$	111.9 $\pm$ 4.8%	103.3 $\pm$ 7.3%	99.2 $\pm$ 2.4%	120.8 $\pm$ 7.4%	101.0 $\pm$ 1.6%	114.3 $\pm$ 4.0%
100 $\mu\text{g/ml}$	115.8 $\pm$ 3.9%	124.1 $\pm$ 2.5%	99.5 $\pm$ 2.2%	129.8 $\pm$ 8.2%	102.8 $\pm$ 0.6%	127.6 $\pm$ 7.5%
250 $\mu\text{g/ml}$	118.4 $\pm$ 2.4%	129.5 $\pm$ 1.9%	99.5 $\pm$ 3.0%	153.8 $\pm$ 14.3%	106.4 $\pm$ 1.6%	148.8 $\pm$ 2.9%
500 $\mu\text{g/ml}$	135.2 $\pm$ 5.6%	131.1 $\pm$ 1.3%	99.7 $\pm$ 1.9%	168.3 $\pm$ 8.3%	115.1 $\pm$ 3.4%	164.4 $\pm$ 13.1%
1000 $\mu\text{g/ml}$	145.1 $\pm$ 6.1%	132.4 $\pm$ 3.7%	111.8 $\pm$ 2.6%	175.0 $\pm$ 15.3%	139.9 $\pm$ 3.8%	176.4 $\pm$ 3.7%
25 $\mu\text{g/ml}$ cis-platinum	203.1 $\pm$ 2.6%	107.0 $\pm$ 4.7%	156.1 $\pm$ 7.2%	124.2 $\pm$ 3.8%	178.0 $\pm$ 5.0%	112.4 $\pm$ 3.8%