

Supplementary Material

Table S1. Physicochemical water quality parameters and pollutants in surface water (mean values \pm standard deviations, min and max values) along Laspias river for the monitoring period (June 2021- January 2023).

Stations		1	2	3	4A	4B	5	6
T (°C)	mean \pm SD	16.87 \pm 4.54	16.80 \pm 4.74	16.50 \pm 3.78	17.86 \pm 4.39	16.44 \pm 4.46	18.83 \pm 3.79	13.93 \pm 3.52
	min	11.00	11.90	11.50	12.40	11.40	14.00	9.50
	max	23.10	22.90	21.10	23.30	21.60	23.10	18.30
pH	mean \pm SD	7.76 \pm 0.14	7.78 \pm 0.13	7.74 \pm 0.24	7.61 \pm 0.32	7.76 \pm 0.13	7.91 \pm 0.37	7.91 \pm 0.08
	min	7.52	7.61	7.30	6.89	7.63	7.46	7.83
	max	7.90	8.01	8.04	7.89	7.91	8.58	8.01
EC (μ S/cm)	mean \pm SD	1213.69 \pm 949.68	786.67 \pm 357.17	670.54 \pm 364.26	1309.29 \pm 142.43	1223.14 \pm 340.53	1104.00 \pm 213.82	1296.23 \pm 900.60
	min	412.30	468.70	250.30	1063.00	673.00	777.00	286.00
	max	3140.00	1392.00	1335.00	1522.00	1574.00	1335.00	2970.00
DO (mg/L)	mean \pm SD	3.94 \pm 1.79	3.74 \pm 1.16	3.71 \pm 1.71	1.97 \pm 1.38	3.67 \pm 2.11	2.15 \pm 2.79	5.70 \pm 2.08
	min	1.55	2.06	1.25	0.59	1.47	0.22	1.61
	max	6.21	5.64	6.99	4.13	7.85	7.85	7.93
COD _{tot} (mg/L)	mean \pm SD	44.57 \pm 56.10	37.03 \pm 24.22	32.00 \pm 16.11	104.46 \pm 50.79	48.46 \pm 27.86	341.06 \pm 452.32	87.09 \pm 97.34
	min	6.40	12.80	12.80	32.00	12.80	121.60	6.40
	max	166.40	80.00	57.60	185.60	96.00	1357.00	296.00
BOD ₅ (mg/L)	mean \pm SD	8.09 \pm 7.02	6.41 \pm 6.42	5.13 \pm 4.46	26.59 \pm 16.83	6.47 \pm 3.56	85.71 \pm 61.47	7.61 \pm 7.98
	min	1.00	1.00	0.00	8.00	1.00	25.00	2.00
	max	22.00	20.00	11.90	58.80	10.00	200.00	20.00
SS (mg/L)	mean \pm SD	10.33 \pm 5.05	17.80 \pm 17.37	21.39 \pm 29.46	55.45 \pm 29.02	12.97 \pm 14.11	105.79 \pm 89.86	10.11 \pm 8.02
	min	3.00	6.00	6.00	19.00	0.00	43.00	2.00
	max	14.00	56.00	88.00	99.00	41.00	302.00	26.00
Chl-a (μ g/L)	mean \pm SD	34.92 \pm 76.80	18.14 \pm 39.95	22.22 \pm 54.00	35.09 \pm 80.04	99.15 \pm 246.09	84.65 \pm 200.14	48.05 \pm 121.70
	min	0.00	0.00	0.00	0.00	0.00	1.90	0.00
	max	208.90	108.60	144.60	216.40	656.70	538.30	324.00
NO ₂ -N (mg/L)	mean \pm SD	0.20 \pm 0.07	0.16 \pm 0.06	0.13 \pm 0.07	0.15 \pm 0.12	0.36 \pm 0.23	0.37 \pm 0.34	0.23 \pm 0.21
	min	0.13	0.11	0.07	0.03	0.06	0.03	0.04

	max	0.30		0.29		0.29		0.37		0.66		0.78		0.64	
NO ₃ ⁻ -N	mean ± SD	1.61	±0.94	1.34	±1.03	1.58	±1.65	0.25	±0.40	2.15	±1.55	1.49	±2.27	3.17	±2.80
(mg/L)	min	0.57		0.40		0.42		0.00		0.25		0.04		0.30	
	max	3.35		3.50		4.53		1.12		4.77		6.22		8.14	
NH ₄ ⁺ -N	mean ± SD	6.66	±4.98	5.76	±1.76	6.78	±2.28	30.78	±10.03	5.87	±3.81	28.94	±8.25	9.87	±16.60
(mg/L)	min	3.10		3.27		3.42		14.89		1.19		18.59		0.00	
	max	17.26		9.00		9.97		42.53		11.26		39.18		46.38	
TN	mean ± SD	18.75	±16.17	15.40	±5.52	16.64	±6.46	64.14	±23.64	17.61	±9.87	73.95	±29.05	27.40	±39.56
(mg/L)	min	8.05		9.05		7.49		28.97		7.13		35.69		3.92	
	max	54.87		25.16		26.66		93.06		35.66		117.10		112.90	
PO ₄ ³⁻ -P	mean ± SD	1.42	±1.08	1.32	±0.84	0.93	±0.69	4.21	±4.00	1.42	±1.11	2.43	±1.20	0.19	±0.20
(mg/L)	min	0.29		0.46		0.21		1.29		0.50		1.70		0.02	
	max	3.57		2.77		2.23		12.61		3.48		5.11		0.56	
F ⁻	mean ± SD	0.33	±0.10	0.32	±0.16	0.29	±0.11	0.22	±0.11	0.38	±0.13	0.23	±0.13	0.42	±0.17
(mg/L)	min	0.21		0.14		0.15		0.09		0.22		0.12		0.18	
	max	0.49		0.61		0.42		0.35		0.57		0.42		0.62	
Cl ⁻	mean ± SD	206.10	±272.26	95.98	±53.14	73.92	±43.85	148.15	±51.31	114.21	±51.50	120.55	±39.57	137.76	±128.49
(mg/L)	min	43.33		46.02		25.35		87.38		46.51		75.97		7.99	
	max	800.02		175.15		157.96		226.39		175.57		163.50		389.46	
Br ⁻	mean ± SD	0.62	±1.00	0.21	±0.23	0.18	±0.25	0.38	±0.47	0.49	±0.31	0.24	±0.39	0.50	±0.40
(mg/L)	min	0.02		0.00		0.00		0.09		0.19		0.07		0.08	
	max	2.83		0.66		0.67		1.42		1.08		1.14		1.25	
SO ₄ ²⁻	mean ± SD	58.61	±50.99	41.97	±33.64	38.46	±32.45	45.74	±5.16	121.71	±51.51	42.29	±8.82	86.87	±61.97
(mg/L)	min	16.52		14.77		11.22		40.84		55.39		23.05		12.64	
	max	143.11		113.96		106.61		56.32		176.40		48.06		155.37	
Li ⁺	mean ± SD	0.06	±0.05	0.07	±0.04	0.07	±0.04	0.06	±0.05	0.07	±0.04	0.07	±0.04	0.06	±0.05
(mg/L)	min	0.00		0.00		0.00		0.00		0.00		0.00		0.00	
	max	0.12		0.11		0.11		0.11		0.11		0.11		0.11	
Na ⁺	mean ± SD	138.16	±162.35	72.65	±41.31	58.18	±34.67	109.77	±32.61	91.44	±36.82	93.80	±27.88	117.95	±94.48
(mg/L)	min	35.97		33.84		21.21		67.19		42.14		58.86		9.22	
	max	483.80		136.87		124.43		149.85		126.93		130.79		287.12	
K ⁺	mean ± SD	14.15	±14.16	7.65	±3.74	7.47	±3.40	21.69	±4.87	11.73	±5.53	19.64	±3.55	37.88	±43.35
(mg/L)	min	4.65		4.54		3.84		11.72		4.05		12.57		2.38	
	max	41.78		14.15		12.08		26.18		19.39		22.88		128.06	

Mg ²⁺ (mg/L)	mean ± SD	16.39	±17.94	10.08	±6.66	9.09	±6.70	10.34	±4.01	26.09	±10.62	9.05	±2.76	23.41	±15.86
	min	2.89		2.33		1.50		4.64		13.15		4.89		3.47	
	max	53.68		23.29		22.44		16.46		39.46		12.34		44.73	
Ca ²⁺ (mg/L)	mean ± SD	47.02	±15.48	53.40	±21.02	51.70	±22.03	62.95	±13.52	86.34	±24.99	61.98	±13.18	63.08	±33.39
	min	32.39		34.54		32.86		39.40		61.40		39.40		32.48	
	max	79.60		94.45		95.10		75.69		126.33		76.30		132.52	

Table S2a. Physicochemical water quality parameters and pollutants in surface water (mean values \pm standard deviations, min and max values) along Lissos river for the monitoring period (June 2021- January 2023).

Stations		1	2	3	4	5	6	7							
T (°C)	mean \pm SD	17.83	± 6.14	17.03	± 6.05	15.92	± 6.65	15.74	± 6.34	17.31	± 7.33	16.66	± 8.38	13.79	± 4.03
	min	9.90		7.80		8.90		7.60		7.80		5.30		6.50	
	max	25.00		23.90		23.50		21.70		23.80		27.20		18.30	
pH	mean \pm SD	8.12	± 0.31	8.71	± 0.90	8.39	± 0.15	8.31	± 0.20	8.79	± 0.46	8.54	± 0.35	8.41	± 0.08
	min	7.47		7.92		8.24		8.12		8.32		8.04		8.30	
	max	8.45		10.13		8.67		8.73		9.60		9.02		8.51	
EC ($\mu\text{S}/\text{cm}$)	mean \pm SD	1126.59	± 1234.27	598.89	± 162.15	474.30	± 150.31	450.50	± 96.90	371.00	± 50.50	406.50	± 18.72	387.56	± 109.05
	min	389.00		437.00		322.00		273.10		295.70		377.00		191.70	
	max	3844.00		880.00		743.00		556.00		419.00		426.40		459.60	
DO (mg/L)	mean \pm SD	9.25	± 2.06	9.15	± 1.20	9.31	± 1.45	9.68	± 1.17	11.29	± 1.69	9.99	± 1.53	9.57	± 1.06
	min	6.39		7.45		7.38		8.19		9.88		7.45		8.61	
	max	12.70		11.06		10.60		11.79		14.77		11.67		11.31	
COD _{tot} (mg/L)	mean \pm SD	16.46	± 16.77	8.46	± 8.80	18.51	± 17.86	10.51	± 8.41	4.80	± 9.64	3.89	± 5.21	5.49	± 5.45
	min	0.00		0.00		0.00		0.00		0.00		0.00		0.00	
	max	44.80		25.60		48.00		19.20		25.60		12.80		16.00	
BOD ₅ (mg/L)	mean \pm SD	3.61	± 4.79	3.91	± 7.19	3.44	± 3.43	9.33	± 14.41	0.77	± 1.14	0.71	± 1.11	2.29	± 3.95
	min	0.00		0.00		0.00		0.00		0.00		0.00		0.00	
	max	13.60		19.80		9.00		40.00		3.00		3.00		11.00	
SS (mg/L)	mean \pm SD	14.33	± 10.11	15.60	± 17.26	32.00	± 42.60	24.74	± 34.90	4.07	± 2.37	6.81	± 2.13	3.60	± 3.03
	min	1.50		2.50		1.00		1.00		0.50		4.50		0.67	
	max	33.00		45.50		121.00		101.00		7.30		10.00		9.00	
Chl-a ($\mu\text{g}/\text{L}$)	mean \pm SD	3.36	± 3.41	4.01	± 4.86	6.82	± 10.49	3.35	± 4.82	0.31	± 0.30	0.26	± 0.62	0.69	± 1.55
	min	0.00		0.00		0.00		0.00		0.00		0.00		0.00	
	max	9.85		11.27		28.81		13.06		0.89		1.36		4.00	
NO ₂ -N (mg/L)	mean \pm SD	0.05	± 0.04	0.05	± 0.03	0.04	± 0.04	0.04	± 0.03	0.03	± 0.03	0.02	± 0.02	0.02	± 0.02
	min	0.00		0.00		0.00		0.00		0.00		0.00		0.00	
	max	0.10		0.09		0.11		0.08		0.08		0.06		0.06	
NO ₃ -N (mg/L)	mean \pm SD	1.25	± 0.88	1.40	± 0.59	0.95	± 0.70	2.37	± 1.50	0.49	± 0.20	1.37	± 2.61	0.55	± 0.21
	min	0.07		0.33		0.14		0.55		0.19		0.26		0.30	

	max	2.49		2.03		2.07		4.57		0.70		7.28		0.83	
NH ₄ ⁺ -N	mean ± SD	0.35	±0.47	0.17	±0.21	0.82	±1.19	1.49	±3.72	0.62	±1.31	0.14	±0.16	0.55	±1.06
(mg/L)	min	0.00		0.00		0.03		0.00		0.00		0.00		0.00	
	max	1.36		0.56		3.42		9.93		3.58		0.44		2.93	
TN	mean ± SD	3.35	±1.40	3.21	±0.76	3.72	±0.95	5.70	±2.69	3.04	±1.27	2.85	±2.70	2.12	±0.91
(mg/L)	min	1.66		1.54		2.80		2.24		1.63		0.75		1.20	
	max	5.34		3.69		5.49		10.52		4.97		8.40		3.39	
PO ₄ ³⁻ -P	mean ± SD	0.06	±0.17	0.02	±0.02	0.01	±0.02	0.00	±0.00	0.01	±0.02	0.01	±0.02	0.00	±0.00
(mg/L)	min	0.00		0.00		0.00		0.00		0.00		0.00		0.00	
	max	0.44		0.05		0.04		0.01		0.05		0.04		0.00	
F ⁻	mean ± SD	0.27	±0.19	0.25	±0.15	0.22	±0.12	0.21	±0.12	0.21	±0.12	0.21	±0.12	0.22	±0.15
(mg/L)	min	0.05		0.07		0.09		0.08		0.10		0.10		0.08	
	max	0.61		0.48		0.36		0.35		0.39		0.36		0.44	
Cl ⁻	mean ± SD	211.16	±363.10	47.03	±20.01	29.71	±13.53	26.26	±5.87	16.78	±6.02	14.66	±4.64	10.46	±1.72
(mg/L)	min	18.99		19.44		16.51		15.66		12.18		11.74		7.92	
	max	1019.44		69.85		50.15		31.70		28.37		22.44		12.87	
Br ⁻	mean ± SD	0.92	±1.35	0.32	±0.31	0.23	±0.36	0.17	±0.25	0.02	±0.02	0.02	±0.02	0.00	±0.01
(mg/L)	min	0.00		0.09		0.00		0.03		0.00		0.00		0.00	
	max	3.80		0.96		1.03		0.72		0.05		0.04		0.02	
SO ₄ ²⁻	mean ± SD	86.39	±65.08	65.52	±27.65	43.55	±21.58	46.57	±19.89	26.07	±7.76	23.02	±4.12	20.78	±5.22
(mg/L)	min	28.67		30.04		25.92		23.79		19.88		19.19		11.51	
	max	221.04		105.95		90.22		76.17		40.62		31.75		28.52	
Li ⁺	mean ± SD	0.06	±0.04	0.06	±0.05	0.05	±0.05	0.05	±0.05	0.06	±0.05	0.05	±0.06	0.05	±0.06
(mg/L)	min	0.00		0.00		0.00		0.00		0.00		0.00		0.00	
	max	0.11		0.11		0.11		0.11		0.11		0.11		0.11	
Na ⁺	mean ± SD	122.24	±205.25	29.73	±13.07	19.10	±6.06	19.09	±6.62	13.64	±1.69	11.25	±1.66	8.78	±1.63
(mg/L)	min	14.77		14.92		12.19		12.28		10.18		9.31		5.96	
	max	578.97		53.41		27.93		30.98		15.47		14.16		10.50	
K ⁺	mean ± SD	6.71	±7.37	2.91	±1.22	2.71	±0.52	2.32	±0.84	3.12	±0.94	2.37	±0.47	2.08	±0.48
(mg/L)	min	2.08		1.86		2.11		1.66		1.70		1.76		1.25	
	max	22.44		5.48		3.30		4.14		4.85		2.98		2.67	
Mg ²⁺	mean ± SD	30.32	±28.38	20.25	±7.81	16.76	±3.89	17.28	±6.97	7.76	±2.46	11.89	±3.81	9.86	±3.21
(mg/L)	min	11.16		11.55		12.19		10.84		4.68		7.30		6.50	
	max	93.14		35.95		22.06		31.42		11.30		19.33		14.51	

Ca ²⁺ (mg/L)	mean ± SD	51.38	±13.80	45.28	±10.28	50.06	±8.54	34.05	±12.53	38.40	±11.44	37.46	±13.78	48.15	±19.17
	min	28.60		29.41		38.79		21.33		22.01		17.45		16.41	
	max	69.54		55.95		61.05		54.73		57.10		58.34		72.82	

Table S2b. Physicochemical water quality parameters and pollutants in surface water (mean values \pm standard deviations, min and max values) along Lissos river for the monitoring period (June 2021- January 2023).

Stations		8	9	10	11	12
T (°C)	mean \pm SD	16.56 \pm 8.07	21.04 \pm 7.78	17.03 \pm 7.61	12.60 \pm 4.81	19.33 \pm 5.02
	min	7.10	11.00	11.00	9.20	13.80
	max	25.10	28.30	27.50	16.00	23.60
pH	mean \pm SD	8.67 \pm 0.32	8.69 \pm 0.29	8.63 \pm 0.55	8.27 \pm 0.55	7.94 \pm 0.06
	min	8.31	8.35	8.35	7.88	7.88
	max	9.05	8.98	9.46	8.66	7.99
EC (μ S/cm)	mean \pm SD	290.10 \pm 65.31	280.82 \pm 64.98	1295.90 \pm 1981.12	448.55 \pm 248.12	1703.33 \pm 66.58
	min	229.10	191.70	180.50	273.10	1660.00
	max	364.10	347.50	4260.00	624.00	1780.00
DO (mg/L)	mean \pm SD	10.23 \pm 0.95	9.98 \pm 1.04	9.56 \pm 5.00	12.05 \pm 2.57	8.56 \pm 2.69
	min	9.18	8.84	2.60	10.23	6.38
	max	11.65	11.60	13.89	13.86	11.57
COD _{tot} (mg/L)	mean \pm SD	10.24 \pm 7.64	11.20 \pm 11.04	20.80 \pm 20.05	793.60 \pm 1273.27	17.07 \pm 7.39
	min	0.00	0.00	0.00	32.00	12.80
	max	19.20	32.00	40.00	2688.00	25.60
BOD ₅ (mg/L)	mean \pm SD	2.00 \pm 2.35	2.67 \pm 1.51	5.00 \pm 1.00	114.35 \pm 163.26	9.13 \pm 6.31
	min	0.00	0.00	4.00	2.80	5.00
	max	5.00	4.00	6.00	350.00	16.40
SS (mg/L)	mean \pm SD	7.20 \pm 4.10	14.53 \pm 21.66	52.67 \pm 61.50	710.65 \pm 1256.31	5.83 \pm 7.52
	min	3.50	2.00	9.00	27.30	1.00
	max	13.00	58.00	123.00	2592.31	14.50
Chl-a (μ g/L)	mean \pm SD	0.09 \pm 0.15	0.85 \pm 1.34	3.42 \pm 4.80	61.08 \pm 73.89	4.52 \pm 5.62
	min	0.00	0.00	0.00	2.18	0.00
	max	0.36	3.24	8.90	156.00	10.81
NO ₂ -N (mg/L)	mean \pm SD	0.01 \pm 0.02	0.02 \pm 0.02	0.04 \pm 0.04	0.19 \pm 0.07	0.06 \pm 0.01
	min	0.00	0.00	0.00	0.11	0.05
	max	0.03	0.06	0.07	0.26	0.07
NO ₃ -N (mg/L)	mean \pm SD	0.37 \pm 0.19	0.35 \pm 0.20	0.57 \pm 0.88	2.17 \pm 1.26	1.79 \pm 1.40
	min	0.11	0.08	0.05	0.54	0.53
	max	0.63	0.65	1.58	3.60	3.30

NH ₄ ⁺ -N (mg/L)	mean ± SD	0.15	±0.10	0.15	±0.15	1.53	±2.45	13.58	±13.38	0.17	±0.16
	min	0.00		0.00		0.08		1.85		0.00	
	max	0.25		0.36		4.35		25.42		0.31	
TN (mg/L)	mean ± SD	1.26	±0.37	2.20	±1.52	3.91	±1.95	95.14	±142.81	4.35	±0.15
	min	0.74		1.21		2.46		6.84		4.24	
	max	1.76		5.19		6.13		305.95		4.52	
PO ₄ ³⁻ -P (mg/L)	mean ± SD	0.01	±0.02	0.01	±0.02	0.00	±0.00	2.29	±2.14	0.00	±0.00
	min	0.00		0.00		0.00		0.38		0.00	
	max	0.05		0.04		0.00		5.26		0.00	
F ⁻ (mg/L)	mean ± SD	0.18	±0.12	0.25	±0.14	0.28	±0.12	0.30	±0.22	0.54	±0.04
	min	0.06		0.06		0.14		0.09		0.51	
	max	0.32		0.41		0.36		0.55		0.58	
Cl ⁻ (mg/L)	mean ± SD	11.20	±1.69	11.08	±2.84	18.59	±13.55	105.84	±72.92	227.62	±22.78
	min	9.41		8.76		8.89		50.20		202.50	
	max	13.26		16.10		34.07		211.17		246.93	
Br ⁻ (mg/L)	mean ± SD	0.18	±0.37	0.14	±0.31	0.03	±0.04	0.30	±0.25	1.51	±0.78
	min	0.00		0.00		0.00		0.10		1.05	
	max	0.84		0.78		0.08		0.66		2.41	
SO ₄ ²⁻ (mg/L)	mean ± SD	17.22	±3.07	17.58	±6.88	44.13	±36.63	67.63	±20.88	202.47	±9.47
	min	13.03		12.06		19.29		41.97		195.59	
	max	20.54		30.27		86.20		87.15		213.27	
Li ⁺ (mg/L)	mean ± SD	0.12	±0.19	0.07	±0.05	0.07	±0.06	0.06	±0.05	0.09	±0.04
	min	0.00		0.00		0.00		0.00		0.06	
	max	0.46		0.11		0.11		0.11		0.13	
Na ⁺ (mg/L)	mean ± SD	9.58	±1.98	9.27	±1.99	12.76	±5.71	78.33	±52.12	172.52	±10.85
	min	7.83		6.99		8.57		35.38		160.30	
	max	12.01		11.58		19.26		150.32		181.02	
K ⁺ (mg/L)	mean ± SD	1.67	±0.48	1.85	±0.81	2.52	±0.73	72.68	±69.84	7.07	±1.06
	min	1.26		1.06		1.70		8.04		5.97	
	max	2.26		3.04		3.09		140.99		8.09	
Mg ²⁺ (mg/L)	mean ± SD	17.51	±5.02	16.50	±4.80	8.32	±5.33	17.87	±13.90	46.50	±3.79
	min	11.67		9.32		4.29		7.95		43.50	
	max	23.80		20.67		14.37		38.35		50.76	
Ca ²⁺	mean ± SD	16.54	±5.15	13.96	±4.03	31.02	±18.62	45.03	±17.67	95.97	±22.53

(mg/L)	min	12.81	9.70	12.87	22.34	70.64
	max	25.03	20.70	50.08	62.20	113.76

Table S3. Physicochemical water quality parameters and pollutants in coastal water (mean values \pm standard deviations, min and max values) along Laspia river for the monitoring period (June 2021- January 2023).

Stations		1	2	3	4
T (°C)	mean \pm SD	21.19	20.33	20.69	20.90
	min	14.10	13.70	13.50	13.90
	max	28.40	28.20	28.30	28.00
pH	mean \pm SD	8.28	8.27	8.31	8.66
	min	8.18	8.17	8.15	8.18
	max	8.54	8.43	8.53	10.56
EC (mS/cm)	mean \pm SD	45.87	42.98	45.35	46.00
	min	41.50	23.90	38.20	41.10
	max	52.90	52.10	52.30	50.60
DO (mg/L)	mean \pm SD	9.21	9.23	9.32	9.19
	min	8.05	8.09	8.33	8.05
	max	10.55	10.34	10.39	10.09
BOD ₅ (mg/L)	mean \pm SD	4.00	2.08	3.42	6.03
	min	0.60	0.00	0.00	0.80
	max	6.20	8.70	10.90	12.90
SS (mg/L)	mean \pm SD	29.58	34.17	42.45	48.25
	min	17.24	19.12	18.32	19.00
	max	47.84	68.60	85.48	143.20
Chl-a (µg/L)	mean \pm SD	4.08	4.34	4.76	6.51
	min	1.23	1.12	0.09	0.62
	max	9.08	7.91	19.22	25.17
NO ₂ -N (mg/L)	mean \pm SD	0.20	0.21	3.52	0.72
	min	0.00	0.00	0.00	0.00
	max	0.37	0.40	20.93	4.04
NO ₃ -N (mg/L)	mean \pm SD	0.02	0.02	0.02	0.03
	min	0.00	0.00	0.00	0.00
	max	0.03	0.04	0.07	0.08
NH ₄ ⁺ -N (mg/L)	mean \pm SD	0.60	1.33	4.70	1.57
	min	0.22	0.08	0.04	0.10
	max	1.47	3.25	24.33	8.03

PO ₄ ³⁻ -P (mg/L)	mean ± SD	0.04	0.09	0.06	0.12	0.02	0.02	0.03	0.03
	min	0.00		0.00		0.00		0.00	
	max	0.23		0.30		0.04		0.07	

Table S4. Physicochemical water quality parameters and pollutants in coastal water (mean values \pm standard deviations, min and max values) along Lissos river for the monitoring period (June 2021- January 2023).

Stations		1		2		3		4	
T (°C)	mean \pm SD	20.56	5.48	20.51	5.06	20.78	4.81	21.07	5.02
	min	13.90		14.70		14.00		14.70	
	max	28.80		27.30		26.30		26.20	
pH	mean \pm SD	8.55	0.77	8.20	0.09	8.23	0.15	8.27	0.14
	min	8.09		8.11		8.10		8.12	
	max	9.91		8.31		8.45		8.43	
EC (mS/cm)	mean \pm SD	47.17	3.47	42.37	9.35	36.19	13.29	43.00	9.25
	min	42.40		27.30		13.14		27.10	
	max	50.90		51.40		49.70		50.10	
DO (mg/L)	mean \pm SD	8.78	1.06	8.83	1.11	8.71	1.04	8.87	0.91
	min	7.17		7.66		7.49		8.08	
	max	10.05		10.18		10.03		10.11	
BOD ₅ (mg/L)	mean \pm SD	4.60	3.15	3.13	2.51	2.02	2.82	2.20	2.14
	min	0.80		0.00		0.00		0.00	
	max	8.40		6.70		7.30		4.80	
SS (mg/L)	mean \pm SD	47.72	43.53	42.43	42.04	31.92	28.51	24.08	13.80
	min	11.40		8.88		7.92		3.15	
	max	140.90		132.30		92.45		42.53	
Chl-a (µg/L)	mean \pm SD	2.65	2.47	3.69	3.98	1.50	1.14	3.92	3.03
	min	0.33		0.58		0.21		1.40	
	max	6.10		9.63		3.73		9.65	
NO ₂ -N (mg/L)	mean \pm SD	0.04	0.03	0.04	0.03	0.02	0.02	0.02	0.03
	min	0.00		0.02		0.00		0.00	
	max	0.11		0.11		0.05		0.07	
NO ₃ -N (mg/L)	mean \pm SD	0.63	0.66	1.03	1.33	2.29	1.95	0.42	0.58
	min	0.05		0.04		0.12		0.00	
	max	1.86		3.65		5.00		1.54	
NH ₄ ⁺ -N (mg/L)	mean \pm SD	5.57	8.61	9.36	21.55	1.29	1.34	9.72	22.50
	min	0.00		0.14		0.33		0.00	
	max	21.61		58.17		3.78		55.64	

PO ₄ ³⁻ -P (mg/L)	mean ± SD	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.02
	min	0.00		0.00		0.00		0.00	
	max	0.06		0.07		0.03		0.06	
