

Table S1: Concentrations of As, Cu and Pb reported in water, honey and honey bee worldwide. Mean (minimal-maximal) values are reported. NA: not available.

Matrix	Location	As	Cu	Pb	Concentration
Water (mg.L ⁻¹)	Former mining area, France	0.02 (0.002-0.11) 2.56 (0.03-7.6)	0.003 (0.0005-0.006) NA	0.28 (0.0003-0.0009) NA	(Khaska et al., 2018) (Guerin et al., 2000)
	Mining area, Turkey	0.10	0.07	0.01	(Sasmaz et al., 2015)
Honey (mg.L ⁻¹)	Croatia	0.03 (0.01-0.15)	1.53 (0.05-58.81)	0.09 (0.01-1.20)	(Bilandžić et al., 2011)
	Hungary	0.03	0.29	0.07	(Ajtony et al., 2007)
	Italy	0.01 (0.004-0.029)	1.29 (0.25-8.41)	0.11 (0.04-0.43)	(Pisani et al., 2008)
	Post-mining area, Italy	NA	NA	0.06 (0.01-0.21)	(Satta et al., 2012)
	Industrial area, Serbia	0.05 (0.03-0.08)	NA	NA	(Krunić et al., 1989)
	Turkey	NA	0.02 (0.01-0.05)	0.02 (0.01-0.09)	(Silici et al., 2008)
	Worldwide	0.07 (0-0.14)	2.84 (0.07-24.65)	0.61 (0.001-4.61)	(Solayman et al., 2016)
Honey bee (mg.kg ⁻¹ d.w)	Urban area, Italy	0.027 (0.07-0.34)	12.82 (7.44-27.09)	0.113 (0.02-0.39)	(Giglio et al., 2017)
	Industrial site, Italy	1.95 (1.51-2.68)	5.42 (3.22-7.77)	0.16 (0.06-0.28)	(Salvaggio et al., 2017)
	The Netherlands	0.714 (0.67-0.83)	15.21 (11.65-19.77)	0.571 (0.19-1.67)	(van der Steen et al., 2012)

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