

Interactive comment on “Effect of polluted water on soil, sediments and plant contamination by heavy metals in El-Mahla El-Kobra, Egypt” by E. Mahmoud and A. M. Ghoneim

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Attached is the revised manuscript after taking into consideration the most of referee valuable comments.

Please also note the supplement to this comment:

<http://www.solid-earth-discuss.net/se-2015-34/se-2015-34-SC1-supplement.pdf>

Interactive comment on Solid Earth Discuss., doi:10.5194/se-2015-34, 2016.

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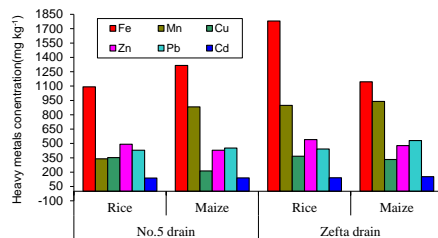


Fig.1

Fig. 1. Figure 1. concentration of heavy metals in maize and rice grown in soils irrigated from drains Zefta and No.5.

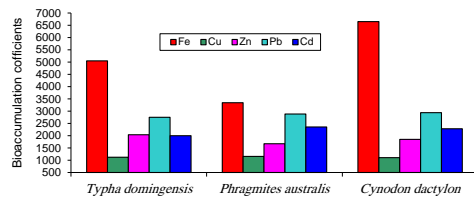


Fig.2

Fig. 2. Figure 2. Bioaccumulation coefficients of heavy metals in *Typha domingensis*, *Phragmites australis* and *Cynodon dactylon* grown in Zefta drain

Table 1. Total concentrations of heavy metals in soils irrigated by water from Zefra drain, drain No.5 and Baher EL Mlah.

Parameters	Units	Soils around of			Upper limit of background total heavy metals (Chen et al.1992)
		No. 5 drain	Zefra drain	Baher EL Mlah	
pH	-	8.05	8.15	7.3	-
CaCO ₃	%	6.15	4.51	4.1	-
Fe	mg kg ⁻¹	3108	3274	933	-
Zn	mg kg ⁻¹	145	317	54	120
Mn	mg kg ⁻¹	571	513	264	-
Cu	mg kg ⁻¹	125	255	60	35
Cd	mg kg ⁻¹	21	27	11	3
Pb	mg kg ⁻¹	70	68	53	120
Ni	mg kg ⁻¹	94	136	31	60

*average

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Fig. 3. Tables

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