**ERRATUM TO: A COMBINED ROCK MAGNETIC
AND GEOCHEMICAL INVESTIGATION
OF UPPER CRETACEOUS VOLCANIC ROCKS
IN THE PONTIDES, TURKEY BY M. CENGİZ CINKU ET AL.,
STUD. GEOPHYS. GEOD., 53 (2009), 475–495**

In the paper by *Cengiz Cinku et al. (2009)*, wrong Table A.1 was printed with wrong layout. Editorial Office of *Studia Geophysica et Geodaetica* apologizes for the inconvenience. The table with correct layout is as follows:

Table A.1. Major and trace element data from Upper Cretaceous volcanic rocks in the Pontides (Mg# = [atomic Mg/(Mg + Fe²⁺)] × 100, assuming Fe³⁺/Fe²⁺ = 0.16; LOI - loss on ignition).

Sample	GS-2.1	GS-2.2	GS-3.1	GS-2.4	GS-4.2	VK-2.1	VK-4.1	VK-1.2
Rock Type	Mugearite	Basanite	Dacite	Hawaïte	Basanite	Dacite	Dacite	Dacite
SiO ₂	53.31	44.07	62.58	51.61	42.72	64.61	64.90	66.60
TiO ₂	0.478	1.826	0.813	1.170	1.820	0.566	0.569	0.537
Al ₂ O ₃	14.84	12.68	16.83	17.36	12.71	15.68	15.80	15.64
Fe ₂ O ₃	4.98	8.80	3.58	7.22	8.69	3.40	3.41	3.46
MnO	0.103	0.281	0.035	0.220	0.088	0.020	0.019	0.013
MgO	2.78	8.15	0.66	4.12	8.54	0.60	0.57	0.57
CaO	6.708	15.239	4.920	9.728	13.880	4.216	4.231	3.572
Na ₂ O	5.08	3.02	3.92	3.63	4.53	3.53	3.64	3.53
K ₂ O	3.097	2.012	2.627	1.818	2.165	1.824	1.841	2.328
P ₂ O ₅	0.136	0.374	0.336	0.236	0.507	0.152	0.154	0.204
LOI	7.81	3.03	2.40	2.22	5.76	3.88	3.34	3.10
Sum	99.45	99.48	98.72	99.45	101.41	98.50	98.74	99.56
Mg#	56.655	68.439	30.15	57.19	69.706	25.61	28.13	27.836
Ba	949	1539	595	366	1335	388	368	424
Co	4	23	5	28	37	12	8	<3
Cr	75	145	94	66	226	30	25	35
Cu	15	63	14	152	42	18	18	16
Nb	8	27	20	10	27	10	10	11
Nd	<50	<50	<50	<50	<50	<50	<50	<50
Ni	21	135	38	22	123	20	18	11
Pb	19	32	14	<4	6	16	15	13
Pr	<50	<50	<50	<50	<50	<50	<50	<50
Rb	71	85	85	34	6	55	56	68
Sb	<5	<5	<5	5	<5	<5	<5	<5
Sc	12	26	10	31	19	8	8	7
Sn	<2	<2	2	3	6	3	<2	<2
Sr	485	569	541	519	507	374	410	409
Ta	<5	<5	<5	<5	7	<5	<5	<5
Th	11	8	16	<5	8	<5	11	8
V	104	147	87	282	141	61	57	56
W	<5	<5	<5	<5	<5	<5	<5	<5
Y	6	13	9	9	15	<3	<3	<3
Zn	76	50	88	88	116	57	62	57
Zr	139	88	207	107	137	104	101	125

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Table A.1. Continuation.

Sample	AS-3.1	AS-2.1	AS-1.1	KS-1.1	KS-3.1	IB-1.1	IB-1.2	YN-2.1
Rock Type	Phonotephrite			Tephrite	Basalt	Benmoreite		
SiO ₂	49.08	47.99	48.42	46.21	48.93	56.28	59.06	60.09
TiO ₂	0.754	0.956	0.871	0.835	0.858	0.665	0.648	0.43
Al ₂ O ₃	15.94	16.00	15.75	16.97	17.45	19.58	18.56	18.02
Fe ₂ O ₃	9.01	9.57	9.41	9.84	9.44	4.17	4.03	3.58
MnO	0.184	0.209	0.170	0.176	0.216	0.116	0.126	0.09
MgO	4.12	3.76	3.88	4.06	4.10	1.15	1.09	1.24
CaO	6.388	5.566	6.394	6.916	8.800	3.952	3.043	3.74
Na ₂ O	3.37	5.67	5.32	2.92	2.43	5.03	5.26	4.26
K ₂ O	4.796	2.833	2.961	4.012	1.804	4.671	5.432	6.3
P ₂ O ₅	0.426	0.550	0.458	0.183	0.185	0.308	0.303	0.23
LOI	5.17	6.29	5.72	7.26	5.24	3.40	1.74	1.5
Sum	99.42	99.48	99.40	99.41	99.45	99.47	99.43	99.49
Mg#	51.706	47.915	49.121	49.137	50.42	39.236	38.774	44.782
Ba	885	934	676	391	520	741	820	923
Co	23	32	26	31	20	4	4	6
Cr	18	<3	<3	3	<3	<3	<3	5
Cu	125	78	105	91	40	50	88	22
Nb	8	8	9	6	7	<2	3	4
Nd	<50	<50	<50	<50	<50	<50	<50	<50
Ni	16	8	13	11	9	6	<3	2
Pb	6	12	11	18	6	28	21	10
Pr	<50	<50	<50	<50	<50	<50	<50	<50
Rb	117	86	76	42	32	102	113	85
Sb	<5	<5	<5	<5	<5	<5	<5	<5
Sc	23	23	22	25	23	6	6	5
Sn	<2	3	2	<2	<2	2	<2	<2
Sr	804	205	645	600	366	901	676	489
Ta	7	<5	<5	<5	<5	<5	<5	<5
Th	5	12	12	<5	<5	9	8	7
V	227	264	265	259	243	165	162	81
W	<5	<5	6	<5	<5	<5	<5	<5
Y	18	15	14	11	12	13	3	23
Zn	93	109	93	154	102	63	64	52
Zr	123	135	124	79	104	108	102	109

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Table A.1. Continuation.

Sample	CI-3.3	CI4.4	CI-4.1	ER-4.1	ER-3.1	ER-1.1	DV-2.1	DV-3.1
Rock Type		Trachyandesite				Mugearite	Trachyte	Basalt
SiO ₂	59.63	63.53	61.38	55.8	54.8	51.58	65.35	50.72
TiO ₂	0.8	0.75	0.79	0.92	0.90	0.81	0.36	1.22
Al ₂ O ₃	17.93	14.53	15.52	15.89	16.91	17.93	15.00	18.27
Fe ₂ O ₃	4.936	6.753	6.641	7.55	7.88	9.28	3.32	7.455
MnO	0.13	0.08	0.07	0.16	0.21	0.1	0.1	0.17
MgO	1.35	1.41	1.71	4.04	4.20	3.82	0.94	4.96
CaO	2.06	1.77	1.83	6.84	7.04	5.1	1.51	10.3
Na ₂ O	5.58	4.9	4.66	4.71	4.75	6.56	3.7	3.55
K ₂ O	5.22	3.73	4.86	1.34	1.36	1.99	6.64	0.9
P ₂ O ₅	0.4	0.45	0.48	0.23	0.25	0.36	0.19	0.24
LOI	1.5	1.5	1.5	1.5	1.5	1.5	2.29	1.5
Sum	99.55	99.39	99.43	98.98	99.36	99.03	99.4	99.3
Mg#	39.038	32.835	37.613	55.613	55.515	49.079	39.8657	60.904
Ba	980	599	878	329	331	681	963	324
Co	8	6	7	22	22	20	5	32
Cr	2	0	1	47	51	70	4	67
Cu	49	21	18	35	34	33	10	109
Nb	5	6	6	3	3	5	6	7
Nd	<50	<50	<50	<50	<50	<50	<50	<50
Ni	1	0	4	19	21	33	2	23
Pb	15	11	13	5	7	15	18	1
Pr	<50	<50	<50	<50	<50	<50	<50	<50
Rb	89	147	163	28	33	68	199	6
Sb	<5	<5	<5	<5	<5	<5	<5	<5
Sc	9	11	8	6	6	7	5	6
Sn	<2	<2	<2	<2	<2	<2	<2	<2
Sr	275	206	189	536	504	476	143	567
Ta	<5	<5	<5	<5	<5	<5	<5	<5
Th	9	7	7	10	8	6	8	11
V	174	89	97	166	181	225	59	294
W	<5	<5	<5	<5	<5	<5	<5	<5
Y	29	24	26	21	20	16	18	23
Zn	80	68	73	71	65	60	39	85
Zr	110	121	126	124	124	86	128	121

References

Cengiz Cinku M., Rammlmair D., Hisarli M.Z. and Orbay N., 2009. A combined rock magnetic and geochemical investigation of Upper Cretaceous volcanic rocks in the Pontides, Turkey. *Stud. Geophys. Geod.*, **53**, 475–495.