

631.61 (477.75)

4, 95007,
e-mail: YazcivLena@rambler.ru

CIW CIA,

[2].

[3].

[11],

[9]

[10],

[7],

(Al, Fe, Ca, K, Mg, Na Si)

[14].

$$- CIA = 100 \times Al_2O_3 / (Al_2O_3 + CaO + Na_2O + K_2O) -$$

[2];

$$- CIW = (Fe_2O_3 + CaO + MgO + Na_2O + K_2O + TiO_2) / Al_2O_3 -$$

[2];

$$- Al_2O_3 / (CaO + Na_2O + K_2O + MgO) -$$

$1_2 \ 3$ ()

[12];

$$- Rb/Sr -$$

,

-

Sr [4, 13];

$$- (Fe_2O_3 + MnO) / Al_2O_3 -$$

[2];

$$- Na_2O / K_2O, (K_2O + Na_2O) / Al_2O_3, Na_2O / Al_2O_3 -$$

[4];

$$- iO_2 / 1_2 \ 3 -$$

[2, 13].

:

()

[1, 6].

350–475

10,3–12,0°

400

[1].

18

“ -gv”.

		SiO ₂ : R ₂ O ₃		CIA	CIW	Al ₂ O ₃ / (CaO + Na ₂ O + K ₂ O + MgO)	Rb / Sr	(Fe ₂ O ₃ + MnO) / Al ₂ O ₃	Na ₂ O / K ₂ O	(K ₂ O + Na ₂ O) / Al ₂ O ₃	Na ₂ O / Al ₂ O ₃	iO ₂ / l ₂ 3
	100	2,54	0,60	17,19	60,08	0,21	0,15	3,15	2,36	2,42	0,49	0,04
	500	3,22	2,76	41,53	21,58	0,71	0,69	5,59	0,75	2,68	0,15	0,05
“ ”	1 000	2,84	0,94	22,06	45,63	0,28	0,27	3,87	1,40	2,68	0,32	0,05
	10 000	2,84	3,93	51,53	17,02	1,04	0,67	7,65	1,77	2,53	0,28	0,06
	0	2,61	1,67	35,13	26,30	0,54	1,00	5,50	1,41	1,92	0,18	0,05
	10 000	2,67	4,60	60,29	12,05	1,51	0,44	6,23	0,81	3,04	0,14	0,05
	2 000	2,28	0,87	25,29	37,83	0,34	0,40	4,00	2,59	2,07	0,35	0,04
	2 000	3,21	2,58	39,83	22,66	0,66	0,78	5,49	1,98	1,72	0,23	0,06
	0	2,62	0,72	19,34	52,35	0,24	0,29	3,38	3,16	2,07	0,49	0,04
	2 000	2,35	0,98	27,00	36,02	0,37	0,41	4,45	2,22	1,48	0,22	0,05
	0	3,00	0,77	18,16	57,39	0,22	0,26	3,33	2,13	2,50	0,47	0,05
	2 000	2,72	0,99	23,64	41,80	0,31	0,17	4,19	1,94	2,36	0,35	0,05
	2 000	2,95	2,10	36,44	25,77	0,57	0,32	5,87	1,27	2,07	0,19	0,05
	2 000	3,11	5,99	60,52	13,88	1,51	1,00	7,48	1,25	1,88	0,16	0,06
	10 000	2,96	5,42	59,95	13,13	1,47	0,71	7,01	0,76	2,89	0,14	0,05
	0	1,53	10,57	87,61	7,17	6,95	2,29	11,95	0,18	2,26	0,02	0,03

(SiO₂ : R₂O₃)

() ()

= SiO₂ : (RO+R₂O) [5].

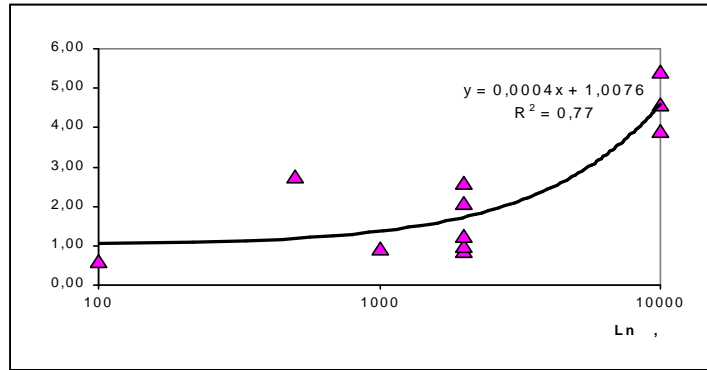
(. . 1).

0,88,

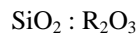
0–10 000

0,6 3,93–5,42.

–0,77.

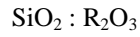


. 1.

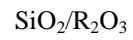


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2,67–2,96



2,54 3,11



IA,

100 [2].

17,2;
2000-

- 60,52 (

100-
500-

41,53,
59,95),

CIW,

$$CIW = ((Fe_2O_3 + CaO + MgO + Na_2O + K_2O + TiO_2) / Al_2O_3) \times 10 \quad (1)$$

100-
- 45,6,
13,1–17,0.

2000

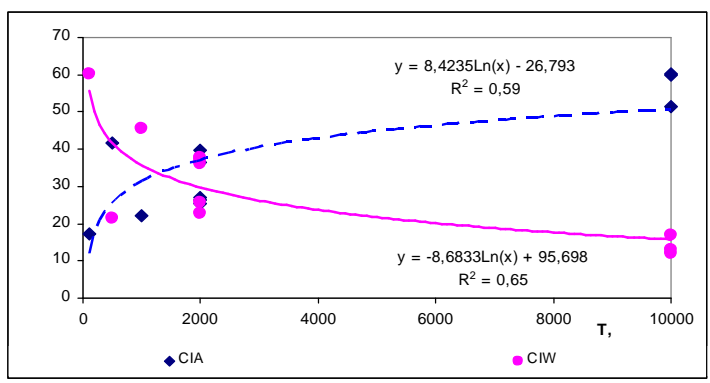
CIW

37,1 15,43,

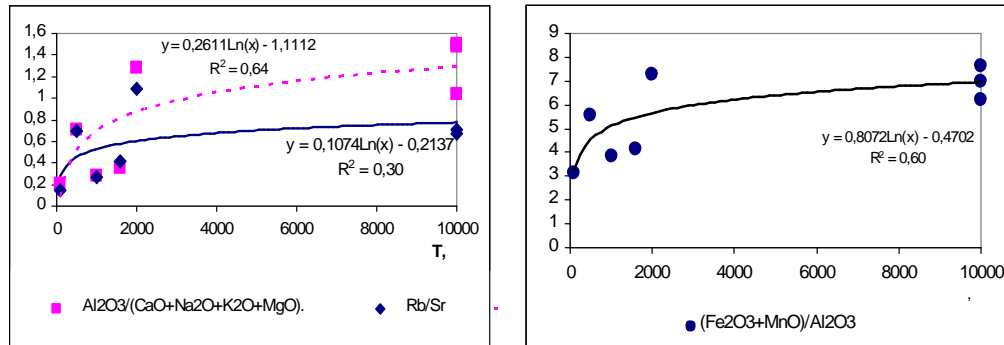
CIW 7,2 10 [2].
26,3,

60,1;

[8] CIW (, $9,0 \times 10^4$), CIW , , CIW CIW CIW [8]. W (. 2.



. 2. (CIW CIA) , , “ ” . 2, - 2 000–2 500 CIW. $Al_2O_3 / (CaO + Na_2O + K_2O + MgO)$ 100- 0,21, - 0,66, 1. Rb/Sr $(Fe_2O_3 + MnO) / Al_2O_3$ $Al_2O_3 / CaO + Na_2O + K_2O + MgO$ 2 000 (. 3).

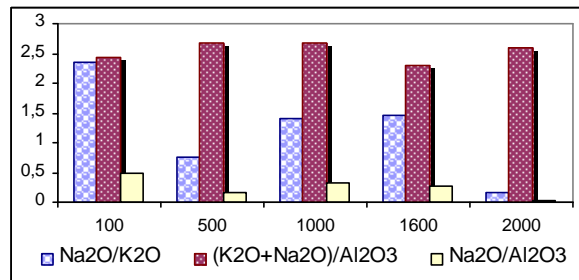


. 3.

, Na_2O , K_2O , MgO ,

Al_2O_3 .

. 4.



. 4.

TiO_2/Al_2O_3

(),

CIW.

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CHANGES IN GEOCHEMICAL INDICATORS OF MODERN SOIL FORMATION IN CRIMEA

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In the article calculated and analyzed geochemical indicators that can be used to study the genesis and evolution of soils. The features of the changes in the coefficient eluviation, geochemical factors CIW and CIA, the coefficients of soil salinity of different ages in time, which were formed in the present conditions in Heracleian Peninsula, are studied.

Key words: geochemical factors, chronosequence, lithochemical indices, the coefficients of weathering.

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CIW CIA,