

504.064.3:574[504.3.054:551.578.4](477.86)

1, 2

1

, 201, 76018, . - , ,
e-mail: gandyber@gmail.com

2

, 248, 76018, . - , 21,

12 %

[2].

[2].

5–10 %

[1, 2].

2013 . 63

); ()

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17 , .

U-10 (Horiba). ().

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15 28 ,
 170 20 .

Microsoft Excel.
 R^2 .

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= $T^l \times S^l$, (): (1)

; T^l , ; S^l , 2 .
 ()

, % = $(1 - i) \times i^{-1} \times 100$, (2)

; i^{-1} ()

[3]

$t = \frac{(x_i - \bar{x})}{s_x}$, (3)

x_i ; x_i ; s_x . 0,95.

[6]

$X = antlg(\lg \bar{X}_i)$, (4)

X ; $\lg \bar{X}_i = \frac{1}{N} \sum_{i=1}^N \lg X_i$ -
 ; N .

$\varepsilon = \text{ant lg } \lg -$

$$C_a = X \times \varepsilon^{-1}, \tag{5}$$

(lg -)

(C).

$$C_i = C_i \times C^{-1}, \tag{6}$$

[6]:

$C_i -$ [4, 5],

11 %.

Meteo.ua (<http://meteo.ua/ua>) 2012 .

2 , 5 – 45 , 53 – 9 20.

(1)

(, , R) (. 1).

	11	592
	225	394×10^3
, %	29	145
R	0,59	0,07

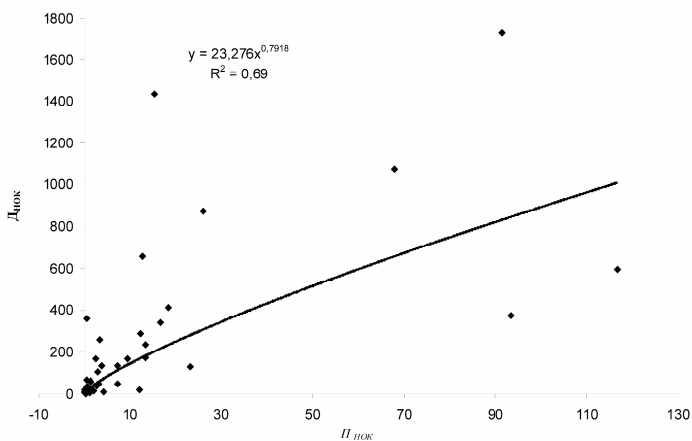
()

$R^2 = 0,69.$

(. 1).

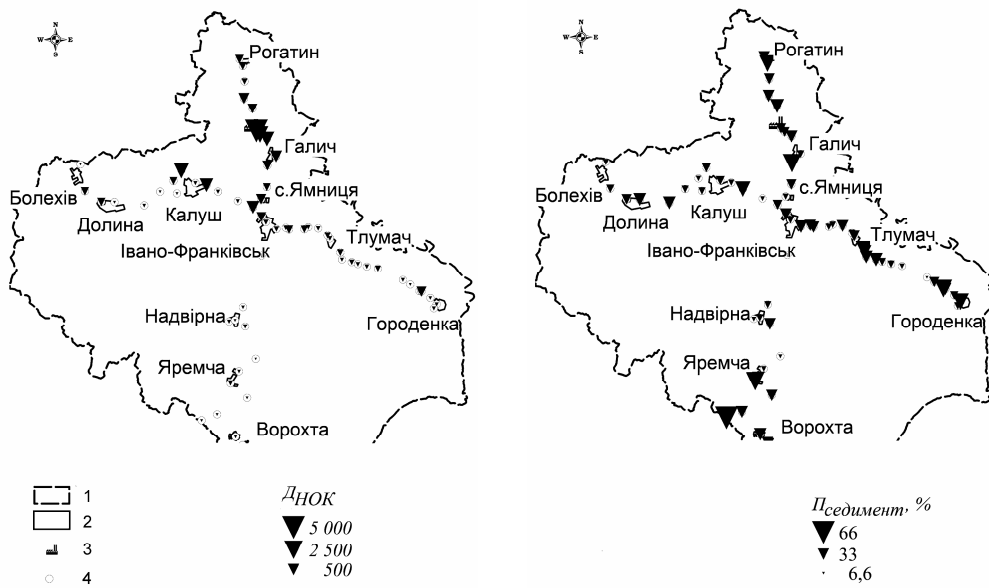
$R^2 = 0,98$ (R . 1).

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t- ((3)); 2)
(6)); 3) (x_i < C_A, (5)) (



.2. ()
 : 1 – ; 2 – ;
 3 – ; 4 –

, R ,

(. . 2, . 3):
 ();
 ();

2

, %	68	80	67	91
, %	12	53	19	16

, – 91 80 %,

(. . 2).



.3. () : 1 – ; 2 – ;
 3 – ; 4 – ; 5 – ;
 6 – ; 7 – ;

R
 : 1)

() ; 2)

() ; 3)

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R ,

t - , $0 \cdot n \times 10^{-2}$,
 , 0,18.
 , , - , 0,11 0,14. , -
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 , , t -
 $(n \times 10^{-2})$.
 t - 0,94. : ,
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 t - 0,12 0,33. t - , 0,88
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 , - (12 %),
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 R^2 , (. . 3). , , 0,33
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) (. . 4.).

(58 %). .4, -

(67 %)

) 1 038 (. .4,). (

(12 %), -

“ ”, - -

1. / . . . // [-].- : www.omsk.edu. (2006).
2. / [. . . ,].- .: , 1990. – 335 .
3. / . . . : / . . . :
- 4- 43-2001. . . . “ . . . , 1990. – 352 .
- ” / .- : “ ”, 2003.
5. / . . . // .- 2010. – . 14. – . 95-101.
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28.04.2014
14.08.2014
10.09.2014

**DUSTY ATMOSPHERIC SEDIMENTS
OF COLD SEASON OF THE YEAR IN IVANO-FRANKIVSK REGION**

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Physical properties of dusty sediment on snow cover in the Forecarpathian region were studied. Analysis of the suspension of atmospheric dust in melted snow was conducted by nephelometry method. The evaluation of the properties of the dust was carried out by the sedimentation dynamics of the particles of suspension in melted snow. The data were processed by methods of correlation, regression, variance, ecological and geochemical analyses. It was established that 12 % of surveyed area are in a regional natural background, more than a third is in a man-made pollution, a half is in a man-made background.

Key words: atmospheric air dust, environmental monitoring, observation of snow, man-made pollution.