

(II). – . 01.03.2002.

. – 2001. – 39 . 10.

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2006. – 6. – . 9 – 18.

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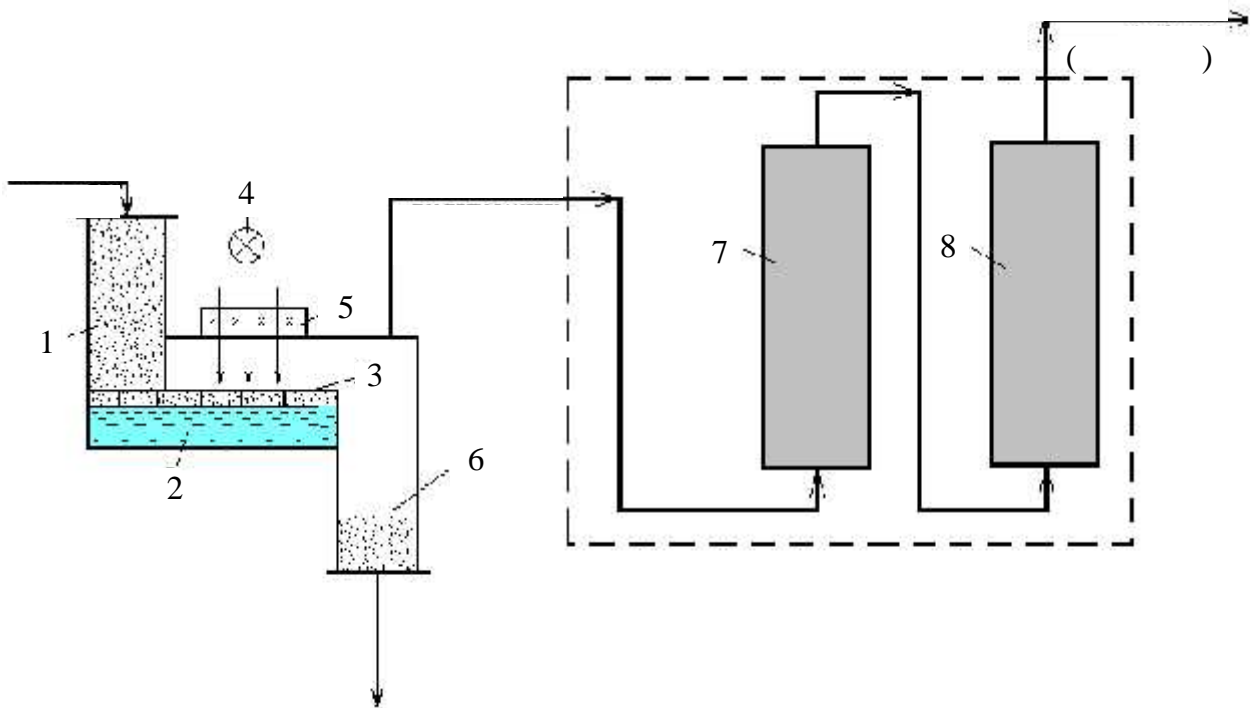
The main parameters of chemical reactions are defined in article on as-new experimental data, required for modeling of process a thermophotocatalytic transformation. As well as is analysed about-cession an decomposition of pesticides of preparation DDT thermophotocatalytic method.

[1].

[2].

[3].

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. 1.

, 3 , -  
 4,  
 , 5, 3, -  
 1 6,  
 7, 8 . -  
 . 1. -  
 1. -  
 3 3 - 5  
 2, 200 - 250 ° . -  
 5 4. -  
 20 - 30 ( ). -  
 1 -  
 6 ( ) . ,  
 7  
 8 ( ) , -  
 30 ° ,  
 .  
 (  $\alpha_1 = 200^\circ$  ,  $\alpha_2 = 250^\circ$  )  
 $\alpha_3 = 300^\circ$  ) ,  
 ( . 2). -  
 , .  
 , ,  
 .

$$k = \frac{2.3}{t} \lg \frac{Q_1}{Q_2} \quad (1)$$

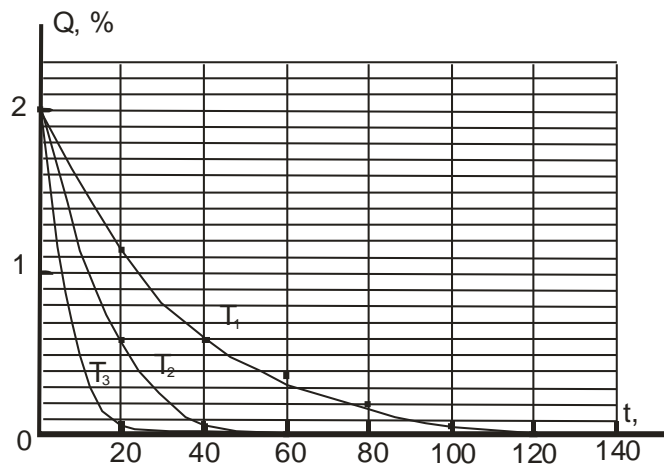
$k$  - ;  $t$  - , ( );

$$Q_1 - Q_2 - t \quad ( / ).$$

$t_1 = 200^0$  ;

$$\frac{2.3}{t_1} \lg \frac{Q_1}{Q_2} = \frac{2.3}{t_2} \lg \frac{Q_1}{Q_3}, \quad (2)$$

$t_1 - t_2 -$  ;  $Q_1 -$  -  
 , ( / );  $Q_2 - Q_3 -$  ( / )  $t_1 - t_2$



. 2.

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$$\frac{2.3}{20} \lg \frac{20}{8.6} = 0.04215 \neq \frac{2.3}{40} \lg \frac{20}{14} = 0.00669. \quad (3)$$

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 , -  
 .  
 . 2 , , -  
 :

$$t_1 = 200^0$$

$$\ddagger = 26 ;$$

$$\ddagger = 14,5 \quad ;$$

$$\ddagger = 10 \quad .$$

$$_2 = 250^0$$

$$_3 = 300^0$$

:

$$k = -\frac{\frac{a}{2}}{\ddagger_{1/2} a \left( a - \frac{a}{2} \right)} = -\frac{1}{\ddagger_{1/2} a} \quad (4)$$

$$k^{200^0} = -\frac{1}{26 * 20} = -\frac{1}{520}$$

$$k^{250^0} = -\frac{1}{14,5 * 20} = -\frac{1}{290}$$

$$k^{300^0} = -\frac{1}{10 * 20} = -\frac{1}{200}$$

, . -  
-  
:

$$2,3 \lg \frac{k_2}{k_1} = \frac{E}{R} \left( \frac{1}{T_1} - \frac{1}{T_2} \right). \quad (5)$$

$$E = \frac{2,3 R \lg \frac{k_2}{k_1}}{\left( \frac{1}{T_1} - \frac{1}{T_2} \right)}. \quad (6)$$

$$I_1 = 24020,22 \quad / \quad . \quad 1 \quad 2$$

$$I_2 = 18515,24 \quad / \quad . \quad 2 \quad 3 - \quad 2$$

$$I_3 = 21530,87 \quad / \quad . \quad 1$$

$$21000 \quad / \quad .$$

15 %, -

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” , 2003. – 254 . 2. . . . . , 1966. – 520 .

3. . . . . , 1984. – 463 .

31.10.2007

577.153

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It was researched the chemical method of immobilization of ferments with a cross-linking agent – an glutaric aldehyde, as carrier was used silica gel of the mark KSK-G, ferment – amylase. The optimum parameters of the undertaking covalent immobilization were determined.