

CURRICULUM VITAE

YAUHEN KARABACH

DATE OF BIRTH: November 7, 1981
PLACE OF BIRTH: Feodosia, Republic of Ukraine, USSR
PRESENT ADDRESS: Belskogo 31-37, Minsk, 220015, Belarus
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EDUCATION:

Secondary school – Kalinkovichi, Gomel region, Belarus.

September 1988 - June 1999

Graduated with so-called Silver Medal as a high-ranking student. (17-19 in the 0-20 scale)

Byelorussian State Technological University – Minsk, Belarus.

(Student of the Department of the Technology of Organic Substances, speciality – “Technology of plastic materials”).

*September 1999 – present**

**degree will be given on June, 2004 (Engineer-Chemist-Technologist)*

ACHIEVEMENTS AND AWARDS:

- Diploma of the Ministry of Education of Republic of Belarus for the best student scientific work (2002 year);
- About 10 scientific publications;
- More then five presentations on the International scientific conferences.

RESEARCH INTERESTS:

Hydrolysis of 3d metal ions and Heteronuclear hydroxo complexes;
Kinetics and mechanism of the hydroxocomplex formation.

LANGUAGES:

Russian (speaking, reading, writing)
Byelorussian (speaking, reading, writing)
English (speaking, reading, writing)

LIST OF PUBLICATIONS

PUBLICATIONS IN JOURNALS

1. Protasov S.K., Borovick A.A., Karabach E.Yu. Calculation of hydraulic friction of perforated plate with consideration of its operating mode. // *Proceedings of the Byelorussian State Technological University. Chemistry and Technology of Inorganic Substances Series*. Accepted for publication.
2. Kirillov A.M., Karabach E.Yu., Kopylovich M.N., Baev A.K. Thermolysis of binary aluminium(III)-chromium(III) hydroxides. // *Izvestiia VUZov. Khimiia i khimicheskaiia tehnologiia. (Chemistry and Chemical Technology)*. Accepted for publication.
3. Kopylovich M.N., Karabach E.Yu., Kirillov A.M., Baev A.K. The dependence of activation energy on pH in hydrolysis of chromium ions. // *Izvestiia VUZov. Khimiia i khimicheskaiia tehnologiia. (Chemistry and Chemical Technology)*. 2003. V. 46. N 5. P. 9–11.
4. Kirillov A.M., Karabach E.Yu., Kopylovich M.N., Baev A.K. Physicochemical parameters of cohydrolysis of Cr^{3+} and Al^{3+} ions in water solutions. // *Rus. J. Inorg. Chem.* – 2003. – V. 48, N 3. – P. 513-517.

ABSTRACTS OF COMMUNICATIONS IN CONFERENCES

- 1 Karabach E.Yu., Protasov S.K. Hydrodynamic investigation of the perforated plate. // *Abstracts of IX Republican Scientific Conference Students and Post-graduate Students of Belarus*. 26-27. Grodno, Belarus. – P. 24.
- 2 Kirillov A.M., Teluschenko E.A., Karabach E.Yu., Kopylovich M.N., Baev A.K. Phase changes at thermolysis of composite chromium(III)-aluminium(III) and chromium(III)-scandium(III) hydroxides // *Abstracts of 6th International School-Conference “Phase Diagrams in Materials Science”*. 14-20 October, 2001. Kyiv, Ukraine. – P. 86.
- 3 Teluschenko E.A., Karabach E.Yu., Kirillov A.M., Kopylovich M.N., Baev A.K. Heteropolynuclear hydroxo complexes of chromium(III) with aluminium(III) and scandium(III) in water solutions. // *Abstracts of 27th International Conference on Solution Chemistry*. 26-31 August, 2001. Vaals. Netherlands. P. 121.
- 4 Kirillov A.M., Karabach E.Yu., Kopylovich M.N., Baev A.K. Aluminium(III)-chromium(III) hydroxo complexes in synthesis of mixed oxide catalysts. // *Abstracts of XXth International Chugaev Discussion on Coordination Chemistry*. 26-29 June, 2001. Rostov-on-Don, Russia. P.257.
- 5 Karabach E.Yu., Kirillov A.M., Kopylovich M.N., Baev A.K. Kinetics of the polynuclear hydrolysis in Al(III)-Cr(III)- NO_3^- - H_2O system. // *Abstracts of 52th Student Scientific Conference of BSTU*. 21-26 May, 2001. Minsk, Belarus.- P. 43.
- 6 Kirillov A.M., Sinegaev V.A., Karabach E.Yu. Distribution of cationic forms of some heavy metals in water solutions. // *Abstracts of Vth International Ecological Conference «Ecology of Russia and Nearest Territories. Ecological Catalysis»*. University of Novosibirsk. 28-29 October, 2000. Novosibirsk, Russia.- P. 171-172.
- 7 Karabach E.Yu., Kirillov A.M., Kopylovich M.N., Baev A.K. Kinetics of polynuclear hydroxo complexation of chromium ions in nitrate solutions. // *Abstracts of 51th. Student Scientific Conference of BSTU*. 23-25 April, 2000. Minsk, Belarus.- P. 27-28.
- 8 Karabach E.Yu., Kirillov A.M., Kopylovich M.N., Baev A.K. Kinetics of polynuclear hydrolysis of chromium ions. // *Abstracts of International Scientific Conference “Youth and Chemistry”*, University of Krasnoyarsk. 20-25 March, 2000. Krasnoyarsk, Russia.- P.-35.