

Curriculum Vitae:

Rustam OROZBAEV

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Education

- Academic degree of ‘Candidate of Geological-Mineralogical Sciences’, 2015. Institute of Geology NAS KR, Kyrgyzstan
- Doctor of Science (DSc.), 2010. Department of Geosciences, Shimane University, Japan. Thesis title: “*Metamorphism of eclogites and country-rock gneisses in the Aktyuz-Orobashy area, Northern Tien-Shan, Kyrgyzstan*”.
- Master of Science (MSc.), 2005. Department of Geosciences, Shimane University, Japan. Thesis title: “*Petrology of the Aktyuz eclogite-bearing complex in the Zaily Range of Northern Tien-Shan, Kyrgyzstan*”.
- Higher Education, 2002. Mining engineer-geologist. Kyrgyz Mining-Metallurgical Institute, Kyrgyzstan. Undergraduate thesis title: “*Preliminary exploration of south-west flank of the Taldybulak-Levoberegnyi deposit*”. Specialty - “*Geological mapping and searching of mineral deposits*”.

Professional experience

- Research Center for Ecology and Environment of Central Asia (Bishkek), Kyrgyzstan
Academic-Secretary *August 2015 – to present*
- Institute of Geology, National Academy of Sciences, Bishkek, Kyrgyzstan
Senior-scientist *June 2014 – to present*
- Xinjiang Institute of Ecology and Geography CAS, Urumqi, China
Visiting Professor *January 2015 – June 2015*
- Department of Geology & Mineralogy, Kyoto University, Japan Society for the Promotion of Science
(JSPS Research Fellow) *April 2012 – May 2014*
- Department of Geology & Mineralogy, Kyoto University, Japan
Postdoctoral Researcher *April 2011 – March 2012*
- Department of Geosciences, Shimane University, Japan
Postdoctoral Researcher *April 2010 – March 2011*
- Institute of Geology, National Academy of Science, Kyrgyzstan
Junior-Scientist *March 2002 – September 2003*

Professional service

- Member of organizing committee (LOC) for the Annual 'GIS in Central Asia' International Conference – GISCA 2016 April 2016
- Member of local organizing committee (LOC) for the 2012 Annual Meeting of Japan Association of Mineralogical Sciences in Kyoto University, September 2012
- Vice-president of the Shimane University International Students and Researches Association (SUISA) 2005 – 2006
- Execute committee member of the Shimane University International Students and Researches Association (SUISA) 2004 – 2005

Awards

- Usengazy Asanaliev's Award for Young Researchers. Kyrgyz National Academy of Science, October 2010
- The Asian Foundation for International Scholarship Interchange. Kawaguchi Shizuka Scholarship Fellow April 2009 – March 2010
- Japanese Government MEXT Scholarship Award for D.Sc. Monbukagakusho, October 2005 – September 2008
- Japanese Government MEXT Scholarship Award for M.Sc. Monbukagakusho, October 2003 – September 2005

Guest lectures

- Lecture (30 hours) on 'Geochemistry' to International students of Xinjiang Institute of Ecology and Geography, Urumqi 25-29 January 2016
- Invited lecturer by JSPS's Science Dialogue Program, Lecture to the students of Fukui Prefectural Fujishima Senior High School, Fukui city, Japan. Title: 'Geology, metamorphism and metamorphic rocks: Why to study?' September 27, 2013
- Invited lecturer by JSPS's Science Dialogue Program,. Lecture to the students of Gifu Prefectural Ena High School, Ena city, Japan. Title: 'Metamorphism of high- to ultrahigh-pressure metamorphic rocks, Kyrgyz Tien-Shan Mountains' September 12, 2012

Publications

Peer-reviewed articles

- Tan, L., Song, Y., Cai, Y., An, Z., **Orozbaev, R.T.**, Mamadjanov, Y., Edwards, L.R. Cheng, H., Li, D., Li, Y. (2016) Speleothem studies in central Asia. *Acta Geologica Sinica (English Edition)*, 90(6), 2279-2280.
- Sang, M., Xiao, W.J., Bakirov, A.B., **Orozbaev R.T.**, Sakiev, K.S., Zhou, K. (2016). Oblique wedge extrusion of UHP/HP complexes in the Late Triassic: structural analysis and zircon ages of the Atbashi Complex, South Tianshan, Kyrgyzstan. *International Geology Review*, DOI: 10.1080/00206814.2016.1241163.
- Orozbaev, R. T.**, Hirajima, T., Bakirov, A. B., Takasu, A., Maki, K., Yoshida, K., Sakiev, K. S., Bakirov, A.A., Hirata, T., Tagiri, M., Togonbaeva A.A. (2015) Trace element characteristics of clinozoisite pseudomorphs after lawsonite in talc-garnet-chloritoid schists from the Makbal UHP Complex, northern Kyrgyz Tien-Shan. *Lithos*, 226, 98-115.
- Orozbaev, R. T.**, Yoshida, K., Bakirov, A. B., Hirajima, T., Takasu, A., Sakiev, K. S. and Tagiri, M. (2011) Preisswerkite and högbomite within garnets of Aktyuz eclogite, Northern Tien Shan, Kyrgyzstan. *Journal of Mineralogical and Petrological Sciences*, 106, 320-325.
- Orozbaev, R. T.**, Bakirov, A.B., Takasu, A., Tagiri, M. and Sakiev, K.S., 2010. Eclogite blocks in a serpentinite body in the Orobashy area, Zaili Range, Northern Kyrgyz Tien-Shan. *Earth Science*

(*Chikyu Kagaku*), 64, 117-126.

Orozbaev, R. T., Takasu, A., Bakirov, A. B., Tagiri, M. and Sakiev, K.S., 2010. Metamorphic history of eclogites and country rock gneisses in the Aktyuz area, Northern Tien-Shan, Kyrgyzstan: a record from initiation of subduction through to oceanic closure by continent-continent collision. *Journal of Metamorphic Geology*, 28, 317-339.

Orozbaev, R.T., Takasu, A., Tagiri, M., Bakirov, A.B. and Sakiev, K.S., 2007. Polymetamorphism of Aktyuz eclogites (northern Kyrgyz Tien-Shan) deduced from inclusions in garnets. *Journal of Mineralogical and Petrological Sciences*, 102, 150-156.

Non-peer-reviewed articles

Erkinbekov I., Xiao WJ., Sakiev K., Sang M., **Orozbaev R.T.** (2016) Petrography and geochemistry of metabasites from the Aktyuz metamorphic complex, Northern Tien-Shan. Doklady NAN KR, №2, (in press).

Orozbaev R.T. (2016) Physico-chemical conditions of formation of Orobashy eclogites, Aktyuz metamorphic complex, Northern Tien-Shan. Doklady NAN KR, №1, 39-45.

Aldakeev, A., Zhou, KF., Xiao, WJ., **Orozbaev, R.T.**, Sang, M., Dzhumagulov, U. (2015) Geochemistry of metabasic rocks of the Kopurelisai ophiolites, northern Kyrgyz Tien-Shan. In: *Proceedings of International conference dedicated to 100-years anniversary of Academician M.M. Adishev, Bishkek*, 11-16.

Kasymbekov, A., Takasu, A., Kabir, Md.F., Bakirov, A.B., Sakiev, K.S., **Orozbaev, R.T.** (2015) Petrological study of garnet amphibolite from the Neldy Formation, Makbal district in the northern Tien-Shan, Kyrgyzstan. In: *Proceedings of International conference dedicated to 100-years anniversary of Academician M.M. Adishev, Bishkek*, 154-157.

Niyazbek Uulu, Ch., Xiao, WJ., Sang, M., **Orozbaev, R.T.** (2015) Geochemistry of eclogites from Atbashy Complex, southern Kyrgyz Tien-Shan. In: *Proceedings of International conference dedicated to 100-years anniversary of Academician M.M. Adishev, Bishkek*, 238-243.

Orozbaev, R.T., Bakirov, A.B., Sakiev, K.S. (2015) Etapy metamorfizma i geodinamicheskie usloviya obrazovaniya eclogitov Aktyuzskogo kompleksa, Severnyi Tien-Shan. In: *Proceedings of International conference dedicated to 100-years anniversary of Academician M.M. Adyshev, Bishkek*, 257-263.

Sakiev, K., Bakirov, A.B., Tagiri, M., Takasu, A., **Orozbaev, R.**, Togonbaeva, A., Satybaev, M., Bakirov, A.A., Baslakunov, J. (2015) Metamorphicheskie porody vysokih i sverhvysokih davleniy Tian-Shan. In: *Proceedings of International conference dedicated to 100-years anniversary of Academician M.M. Adishev, Bishkek*, 298-302.

Satybaev, M.M., Ding, L., Takasu, A., Bakirov, A., Sakiev, K.S., **Orozbaev, R.T.**, Bakirov, A.A., Baslakunov, J. (2015) Metamorphic evolution of pelitic schists of the Choloktor Formation, Atbashy Complex, southern Tien-Shan, Kyrgyzstan. In: *Proceedings of International conference dedicated to 100-years anniversary of Academician M.M. Adishev, Bishkek*, 310-315.

Erkinbekov, I., Xiao, WJ., **Orozbaev, R.T.**, Sang, M., (2015) Preliminary results on the geochemistry of eclogites from Aktyuz Complex, northern Kyrgyz Tien-Shan. In: *Proceedings of International conference dedicated to 100-years anniversary of Academician M.M. Adishev, Bishkek*, 403-407.

Bakirov A.B., Sakiev K.S., Tagiri M., Takasu A., Togonbaeva A., Bakirov A.A., **Orozbaev R.T.** (2014) The Sak paleocean. *Izvestiya KGTU im. I.Razzakova*, №33, 9-22.

Sakiev, K., Bakirov, A.B., Tagiri, M., Takasu, A., Togonbaeva, A., Bakirov, A.A., **Orozbaev, R.T.** (2013) Geologicheskoe stroenie kyrgyzskogo vremennogo ryada metamorphicheskikh kompleksov Severnogo Tian-Shanya. In: *Proceedings of International conference dedicated to 70-years of Institute of Geology, Bishkek*, 201-210.

Takasu, A. and **Orozbaev, R. T.**, 2009a. Chemical compositions of white micas in eclogites and country-rock gneisses from the Aktyuz area, northern Kyrgyz Tien-Shan. *Geoscience Reports of Shimane University*, 28, 37-49.

Takasu, A. and **Orozbaev, R. T.**, 2009b. Variety of chemical compositions of amphiboles from eclogites in the Aktyuz area, northern Kyrgyz Tien-Shan. *Geoscience Reports of Shimane University*, 28, 51-63.