CURICULLUM VITAE

Name in Full
SAFONOVA Inna Yurievna
FAMILY First Middle
Nationality: **Russia**
Current positions **Professor, Head of Lab, Leading research scientist**
Academic Degrees
1) Doctor of Science; Professors' level; Date Obtained **22 April 2021**
2) Candidate of Geological and Mineralogical Sciences; PhD level**;** Date Obtained **10 March 2006**
Fields of the Degree: **Volcanology, Petrology, Geotectonics, Geodynamics,**

Home address: **Shaturskaya St. 8, apt. 66, Novosibirsk, 630055, Russia**
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url. **https://scholar.google.com/citations?user=sA8XUlkAAAAJ&hl=ru**
https://www.researchgate.net/profile/Inna-Safonova-2

Research interests

1. Plate Tectonics: Pacific-type orogeny; accretionary complexes; ocean plate stratigraphy; ocean opening and closure; assembly and breakup of (super)continents; tectonic modeling; magmatic and tectonic factors of continental growth.
2. Mantle dynamics: mantle plumes and related magmatism; triggers of mantle plumes.
3. Geochemistry: major, trace and isotope composition of rocks and its relation to geodynamics;
4. Petrology: petrogenesis and mantle sources of basalts; petrological modelling.
5. Isotope geochronology and geochemistry: U-Pb zircon dating and Nd-Sr-Pb isotopes

Diplomas

1. Dr. Sci.; Institute of Geology, Geophysics and Mineralogy SB RAS, Novosibirsk; 2021 (Doctor of Geology-Mineralogical Sciences in Petrology&Volcanology)
2. PhD; United Institute of Geology, Geophysics and Mineralogy SB RAS, Novosibirsk, 2006 (Candidate of Geology-Mineralogical Sciences in two fields: Geotectonics&Geodynamics; Petrology&Volcanology).
3. Russian Business Academy, Moscow; 2004; M.S. in Management (Honors)
4. The City and Guilds of London Institute, 1998; Higher Intermediate Standard in ESOL (English for Speakers of Other Languages)
5. Novosibirsk State University, Novosibirsk; 1987, M.S. in Geochemistry (Honors)

Professional experience and grants ***h*-index** after Web of Science – **36**, Scopus - **38**, Google Scholar- **42**, **total citations > 6700** in Google Scholar; ***D-index 36*** placing #16 in Russia in Earth Sciences)

- Southwest Jiaotong University; professor, since 2022
- Sobolev institute of Geology and Mineralogy SB RAS; junior research scientist, 1991-1994; research scientist,1994-2007; leading research scientist, 2007-present.
- Novosibirsk State University; Head of Lab, 2017-present.
- Associate Editor of Gondwana Research journal; 2010-2023
- Associate Editor of Geoscience Frontiers journal; 2011-2023
- Associate Editor of Journal of Asian Earth Sciences (since 2016), Geosystems&Geoenvironments (since 2024), Island arc (since 2024);
- Japanese Society for Promotion of Science Invited Fellowship Program at Earth-Life Science Institute, Tokyo Institute of Technology (2014 – 2015).
- Japanese Society for Promotion of Science Invited Fellowship Program at University of Tokyo (2017).
- Korea Institute of Geology and Mineral Resources (KIGAM), Brain Pool Program Researcher, August-September 2010; March 2011-January 2012;
- Visiting scientist in the Tokyo Institute of Technology (2004, 2006-2008; 2013, 2015);
- Visiting scientist in the University of Tokyo (October 2010- February 2011);
- Scientific Associate at the Centre for Russian and Central EurAsian Mineral Studies (CERCAMS), Natural History Museum, London, 2011 – present;
- Professorship in the Nanjing University, China (Nov-Dec 2017, April-May 2018);

- Professorship in the Tohoku University, Sendai, Japan (September-November 2019).
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Patents

Patent for a Method of mapping of accretionary complexes № 2667329 from December 20, 2017

Awards

1. Medal from the Kyrgyz National Academy of Sciences "70th Anniversary of the Kyrgyz National Academy of Sciences" (2024);
2. Gratuity Note from the Ministry of Science and Education of the Russian Federaiton for achievements in research and education (2024);
2. Gratuity Note from the Young Scientists' Council of IGM SB RAS for a series of lectures on preparing publications in international journals (2018);
3. Honored diploma from the IGM SB RAS Administration, Institute of Geology and Mineralogy SB RAS (2016) for organization of a conference;
4. Gratuity Note from the IGM SB RAS Administration, Institute of Geology and Mineralogy SB RAS (2002) for organization of a conference;
5. 3rd Prize in Competition between the 1987 Graduate Master's Theses, Novosibirsk State University (1987);

Membership

Vice-President of the International Association for Gondwana Research (since 2012)

Reviewer

- grant reviewer: Research Grants Council of Hong Kong; Novosibirsk State University; Korea Institute of Geoscience and Mineral Resources; Czech Science Foundation.
- journal reviewer: American Journal of Science, Geological Society of America Bulletin, Geoscience Frontiers, Gondwana Research, International Geology Review, Lithos, Journal of Asian Earth Sciences, Journal of Geodynamics, Precambrian Research, Russian Geology and Geophysics, Tectonophysics.
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Research projects

Principal Investigator (Leader):

1. National Natural Science Fund of China, Research Fund (Project #W2431031 for International Senior Scientists) "Early Paleozoic juvenile arcs of the Paleo-Asian Ocean: implications from magmatic and clastic formations of the western CAOB", 2025-2026.
2. Russian Science Foundation, Project # 21-77-20022 "Subduction erosion at convergent margins of the Paleo-Asian Ocean: evidence from accretionary and subduction complexes of the Central Asian Orogenic Belt", 2021-2024.
3. RFBR (Russian Foundation for Basic Research) #29035090091, "Sources and settings of sandstones hosted by Paleozoic accretionary complexes formed in the Paleo-Asian Ocean: implications from geochemical and U-Pb zircon age data", leader, 2020-2022.
4. UNESCO-IUGS, IGCP project # 662 project "Orogenic architecture and crustal growth from accretion to collision: examples from the Central Asian Orogenic Belt and Tethyan orogen", co-leader, 2017- 2021; http://www.igcp662.org.cn
5. "Megagrant" Program 220 of the Ministry of Education and Science of Russia, Project #14.Y26.31.0018 "A multidisciplinary study of Pacific-type orogenic belts and development of a holistic model linking evolution of oceans, their active margins and mantle magmatism", 2017-2019; http://lepom.nsu.ru/.
6. RFBR (Russian Foundation for Basic Research), "Subduction complexes of the Paleo-Asian Ocean: geological, geochronological, geochemical and petrological implications"; no. 16-05-00313; 2016- 2018.
7. UNESCO-IUGS, IGCP project #592 "Continental construction of the Altaids (Central Asian Orogenic Belt) compared to actualistic examples from the Western Pacific"; Proposer and Leader; 2012-2016; http://igcp592.igm.nsc.ru/ ;
8. RFBR - JSPS (Japan Society for Promotion of Science), "Evolution of the Pacific superplume during the Late Proterozoic to the Mesozoic and its impact to the surface environment: petrogenetic and geochemical implications from oceanic basalts and carbonates», no. 07-05-91211; 2007-2009;

9. RFBR, “Oceanic crust of the Paleo-Asian Ocean in the Altai-Sayan foldbelt: age, structural position, composition, geochemical and paleomagnetic characteristics”; grant no. 03-05-64668; 2003-2005.

Co-Principal Investigator:

1. RFBR, Mantle magmatism of the Altai collisional system and mantle-crust interactions; no. 17-05-00825; 2017-2019.
2. RFBR, "Interaction of thermochemical plumes with horizontal mantle flows and lithosphere (experimental and theoretical modeling, natural objects)"; no. 08-05-00301; 2008-2010.
3. INTAS, “Continental Rift Tectonics and Evolution of Sedimentary Basins”; 1994 – 1997.
4. INCO-COPERNICUS, “Landslides Triggered by Earthquakes in Kyrgyzstan”; PL96-3212.2; 1997- 2000.
5. RFBR, Formation and evolution of the layered upper mantle beneath South Siberia in Mesozoic and Cenozoic: dynamics of interaction with mantle plumes and relation to geological processes; no. 99-05- 65688; 1999-2001.
6. RFBR, Tectonics and geodynamics of folded areas in Central Asia; no. 01-05-65090; 2001-2003.

Interdisciplinary cooperative research agreements (as PI or initiator):

1. Novosibirsk State University – Southwest Jiaotong University, Chengdu, China, 2024-2026.
2. Institute of Geology NAS Kyrgyzstan – Southwest Jiaotong University, Chengdu, China, 2023-2025.
3. IGM SB RAS – Southwest Jiaotong University, Chengdu, China, 2023-2025.
4. Novosibirsk State University – Institute of Geology NAS Kyrgyzstan, “Cooperation in studying the Tianshan orogenic belts of Kyrgyzstan”, 2022-2024.
5. IGM SB RAS – Institute of Geology NAS Kyrgyzstan, “Cooperation in studying the Tianshan orogenic belts of Kyrgyzstan”, 2018-2023.
6. Novosibirsk State University – Institute of Mineral Resources, Goskomgeologia of Uzbekistan, 2022-2024.
7. IGM SB RAS – Institute of Mineral Resources, Goskomgeologia of Uzbekistan, 2017-2023.
8. IGM SB RAS – Scottish Universities Environmental Research Centre and University of Leicester, 2012-2014, «Timing of the Siberian Large Igneous Province and the end-Permian mass extinction event».
9. IGM SB RAS – University of Leicester, 2007-2009, «Timing, Extent and Causes of Magmatism Associated with the Permo-Triassic Siberian Large Igneous Province».
10. IGM SB RAS – Tokyo Institute of Technology, 2006-2008, «Age populations of Zircons from River Mouth Sands of Siberia: Correlation with Global Cycles of Continental Growth in Asia and Worldwide».
11. IGM SB RAS – Cambridge University, 2004-2006, CASP program; “Late-Paleozoic-Cenozoic Tectonic Evolution of Mountain Belts at the southern frame of the Western Siberian Plate, SW Siberia, Russia”.

Field trips:

1. Russian Altay Mts., SW Siberia, Russia: Kurai and Katun accretionary complexes, Late Neoproterozoic-Early Cambrian ophiolites and oceanic island basalts (OIB); 1995-2024.
2. NW Russian Altay Mts., SW Siberia, Russia: Zasur’ya accretionary complex, L. Cambrian-E. Ordovician ophiolites and OIB; 2007, 2021, 2023, 2024.
3. East Kazakhstan: Char suture-shear zone, L. Devonian-E. Carboniferous ophiolites and OIB; 1996, 2008, 2009, 2012, 2013, 2016, 2017.
4. Southern Siberia, Russia: Kuznetsk Basin; Permian-Triassic continental flood basalts; 2004-2007.
5. World largest rivers: sampling zircons for defining major periods of granitoid magmatism; 2006- 2007, Russia; 2010-2011, Korea.
6. Southern Tienshan, Kyrgyzstan: Kokshaal accretionary complex, Devonian ophiolites and OIB; 2009; Alai accretionary complexes, Silurian-Devonian OPS, 2018.
7. Japan: Mino, Tamba, Akiyoshi, Chichibu and Shimanto accretionary complexes, Mikabu belt; Late Permian-Cretaceous ophiolites and OIB: 2007-2017.
8. Chinese Tienshan, Permian intraplate magmatic units with oceanic sediments; 2011.
9. Beishan Orogen: accretionary complexes, eclogites and granulites, NW China, 2013.
10. Inner Mongolia: Ondor-Sum subduction-accretionary complex, NE China, 2015.
11. Central Kazakhstan: Itmurundy and Tekturmas accretionary complexes, Ordovician OPS, 2017-2021.
12. Mongolia: Ulanbaatar terrane, Devonian-Silurian OPS, 2018.
13. Uzbekistan: Tamdytau, Nuratau, Bukantau and other foldbelts, Silurian-Carboniferous OPS and supra-subduction complexes, 2017.

14. Northern Tienshan, Kyrgyzstan, Early Paleozoic ophiolites of the Terskey Ocean, 2022, 2023, 2024.
15. Longmenshan Orogenic Belt, western Sichuang province, magmatic complexes of the western Yangtze Craton, 2022-2023.

Symposia and Workshops attended *(since 2017)*:

2024: Leibniz Academy of Sciences International Symposium on Geotectonic Research, Ocean University of China, Qingdao, April 23, 2024 "Tectonic erosion: a review" (invited talk). An international forum on "Microplate Tectonics through Earth history", October 25-27, 2024, Ocean University of China, Qingdao, China (invited talk). Kratz-Mitrofanov XXXV conference for early career «Actual problems in geology, geophysics and geoecology», "A short course of paper writing: logics, structure, nuances (invited lecture), "Subduction erosion at Pacific-type convergent margins". 21st International Conference on "Gondwana to Asia", Kuching, Malaysia, November 17-23, 2024 (keynote talk).

2023: IGCP#662 Int'l Symposium on "Orogenic Architecture, Crustal Growth, Metallogenesis, & Global Geodynamics", December 19-21, Beijing, China (invited talk); 20th International Conference on "Gondwana to Asia", Niigata, Japan, November 8-12 (keynote); the 6th Russian scientific conference "Geological Processes in the Lithospheric Plates Subduction, Collision and Slide Environments", Vladivostok, Russia, September 17–20 (plenary).

2022: 19th International Conference on "Gondwana to Asia", Chengdu, China, November 4-8, 2022 (keynote).

2021: 17th International Symposium in Gondwana to Asia", Qingdao, China, September 17-19, 2021 (keynote-online); 5th Conference on subduction, collisional and transform active margins, Vladivostok, Russia, September 20-22 (plenary talk); 19th Conference of CAOB Geodynamic Evolution, Irkutsk, Russia, October 19-22 (invited, online).

2019: 16th Int'l Symposium in Gondwana to Asia", Kochi, Japan, November 8-10, 2019 (keynote); Int'l workshop «The Geology of Eurasia», June 27-38, GFZ Center, Potsdam, Germany; International workshop «Structural geology and global tectonics: links to lithosphere evolution and mantle geodynamics», Karadeniz University, Trabzon, Turkey (two keynotes); Int'l workshop "Continental Amalgamation and Stabilization of Northeast Asia: Stories before the Stone Age", Tohoku University, Sendai, Japan (invited).

2018: Gondwana to Asia, Xian. China, keynote talk; Conference of Convergent Margins, Vladivostok, Russian, plenary talk; Conference on Altaides-Uralides, Novosibirsk, Russia (plenary talk), JpGU Meeting, Chiba, Japan (invited talk); Earth, Sea, and Sky III Workshop, Sendai, Japan; invited talk

2017: JpGU-AGU Meeting, Chiba, Japan; invited talk; GSF Meeting, Beijing, China; invited talk; 2nd Russia-China Conference on the CAOB, Irkutsk, Russia; IAGR Gondwana to Asia Symposium, Bangkok, Thailand; invited talk.

Teaching and lecturing

Southwest Jiaotong University

Since 2022, full-professor, students' supervision, lecture courses on geology of Asia, petrology and geochemistry

Novosibirsk State University (NSU)

1998-2000 – part-time teacher in the Novosibirsk University (NSU) physico-mathematical college: Cambridge based English Language Course.

2004 – 2007 - co-supervised three undergraduate and master's students

2007 – 2008 – co-supervised field training courses and undergraduate students

2018-2021 – lectures and seminars on Pacific-type convergent margins

Since 2010 - supervising undergraduate, Ms and PhD students

Tokyo Institute of Technology

2004 - 2007 – lectures on geochemistry and petrology of oceanic basalts and U-Pb dating of zircons for students of the Department of Earth and Planetary Sciences.

2008, July-August – co-supervised field training courses for Russian and Japanese geology students in the Russian Altai together with Dr. T. Komiya from Titech.

University of Tokyo

2008, lecture on plume-related volcanism to the students of the Environmental Department.

2010, seminar on continental construction, oceanic plate stratigraphy, and igneous petrology.

2013, lecture on "Tectonics of Asia".

2017, lecture of "Continental Construction in Central Asia".

Tohoku University

2018, lecture on "Tectonic erosion in the Central Asian Orogenic Belt".

Nanjing University:

2017, December; 2018, April. Pacific-type convergent margins: from Ocean to Mantle: a series of lectures

Kochi University:

2010; lecture on "Continental construction in Central and East Asia".

Hong Kong University

2010; lecture "The >540 Ma Pacific superplume-related oceanic magmatism: evidence from accretionary complexes of Central and East Asia".

2015; lecture "Continental construction in Central Asia and deep-mantle processes"

2018; lecture "Tectonic erosion at Pacific-type convergent margins: a review and new data from the western Central Asian Orogenic Belt"

2023; lecture "Oceanic Island Basalts: acknowledging the past and moving ahead"

List of Major Publications *(selectively; totally >160 published;* ****** *- corr. author)*

1. Safonova I., Savinskiy, I., Perfilova, A., Obut, O., Gurova, A., Krivonogov, S., 2024. A new tectonic model for the Itmurundy zone of Central Kazakhstan: linking ocean plate stratigraphy, timing of accretion and subduction polarity. Geoscience Frontiers, 101814.
2. Safonova I., Krutikova, A., Perfilova, A., Obut, O., Kovach, V., Kulikova, A., 2024. Early Paleozoic juvenile crustal growth in the Paleo-Asian Ocean: A contribution from the Zasur'ya accretionary complex of NW Altai. Earth-Science Reviews 249, 104648.
3. Zou H., Li H., Li Z., Wang D., Safonova I., Cao H., Jin X., Chen H., Huang C., 2024. "Integrated detrital rutile and detrital zircon ages: a new perspective on the tectonic evolution of South China", Natural Science Review, nwae356
4. Gan B., Tang J., Safonova I.Y., Qin L., Diwu C., 2023. Devonian continental arc magmatism in the southern Central Asian Orogenic Belt: Evidence from the Dunhuang Block, NW China. Geoscience Frontiers, 101643.
5. Safonova I., Perfilova, A., 2023. Survived and disappeared intra-oceanic arcs of the Paleo-Asian Ocean: evidence from Kazakhstan. National Science Review 10, nwac215.
6. Safonova I., Perfilova A., Savinskiy I., Kotler P., Sun M., Wang B, 2022. Sandstones of the Itmurundy accretionary complex, central Kazakhstan, as archives of arc magmatism and subduction erosion: Evidence from U-Pb zircon ages, geochemistry and Hf-Nd isotopes. Gondwana Research 111, 35–52.
7. Perfilova A.A., Safonova I.Yu.*, Degtyarev K.E., Savinsky I.A., Kotler P.D., Khassen B.P., 2022. Composition and Sources of Silurian Terrigenous Rocks at the Periphery of the Tekturmas Ophiolite Zone (Central Kazakhstan). Doklady Earth Sciences 505, 416-421.
8. Hu W., Li P., Sun M., Safonova I., Jiang Y., Yuan C., Kotler P., 2022. Provenance of late Paleozoic sedimentary rocks in eastern Kazakhstan: Implications for the collision of the Siberian margin with the Kazakhstan collage. Journal of Asian Earth Sciences 232, 104978.
9. Safonova I. Yu., Khanchuk A. I., 2021. Subduction Erosion at Pacific-Type Convergent Margins. *Russian Journal of Pacific Geology* 15, 495–509.
10. Konopelko, D., Safonova, I.*, Perfilova A., Biske Y., Mirkamalov R., Divaev F., Kotler P., Obut O., Wang B., Sun M., Soloshenko N. Detrital zircon U-Pb-Hf isotopes and whole-rock geochemistry of Ediacaran - Silurian clastic sediments of the Uzbek Tienshan: sources and tectonic implications. *International Geology Review*. 10.1080/00206814.2021.2010134.
11. Ganbat A., Tsujimori T., Miao L., Safonova I., Pastor-Gal´an D., Anaad C., Baatar M., Aoki S., Aoki K., Savinskiy I., 2021. Late Paleozoic–Early Mesozoic granitoids in the Khangay-Khentey basin, Central Mongolia: Implication for the tectonic evolution of the Mongol-Okhotsk Ocean margin. *Lithos* 404-405, p. 106455.
12. Safonova, I., Perfilova A., Obut O., Kotler P., Aoki S., Komiya T., Wang B., Sun M., 2021. Traces of intra-oceanic arcs recorded in sandstones of eastern Kazakhstan: implications from U–Pb detrital zircon ages, geochemistry, and Nd–Hf isotopes. *International Journal of Earth Sciences*. https://doi.org/10.1007/s00531-021-02059-z
13. Konopelko, D., Seltmann, R., Dolgopolova, A., Safonova, I., Glorie, S., De Grave, J., Sun, M., 2021. Adakite-like granitoids of Songkultau: A relic of juvenile Cambrian arc in Kyrgyz Tien Shan. *Geoscience Frontiers* 12(1), 147-160.
14. Safonova I., Savinskiy I., Perfilova A., Gurova A., Maruyama S., Tsujimori T., 2020. The Itmurundy Pacific-type orogenic belt in northern Balkhash, central Kazakhstan: Revisited plus first U-Pb age, geochemical and Nd isotope data from igneous rocks. *Gondwana Research* 79, 49-69.

15. Dagva-Ochir, L., Oyunchimeg, T. U., Enkhdalai, B., Safonova, I., Li, H., Otgonbaatar, D., Tamehe, L. S., Sharav, D., 2020. Middle Paleozoic intermediate-mafic rocks of the Tsoroidog Uul' accretionary complex, Central Mongolia: Petrogenesis and tectonic implications. *Lithos* 376-377, 105795.
16. Khassen B. P., Safonova I.Yu.*, Yermolov P.V., Antonyuk R.M., Gurova A.V., Obut O.T., Perfilova A.A., Savinskiy I.A., Tsujimori T. 2020. The Tekturmas ophiolite belt of central Kazakhstan: Geology, magmatism, and tectonics. *Geological Journal* 55, 2363–2382.
17. Tolstykh N., Krivolutskaya N., Safonova I., Shapovalova M., Zhitova L., Abersteiner, A., 2020. Unique Cu-rich sulphide ores of the Southern-2 orebody in the Talnakh Intrusion, Noril'sk area (Russia): Geochemistry, mineralogy and conditions of crystallization. *Ore Geology Reviews* 122, 103525
18. Furnes, H., Safonova, I., 2019. Ophiolites of the Central Asian Orogenic Belt: Geochemical and petrological characterization and tectonic settings. *Geoscience Frontiers* 10, 1255-1284.
19. Konopelko, D., Biske, Yu.S., Kullerud, K., Ganiev, I., Seltmann, R., Brownscombe, W., Mirkamalov, R., Wang, B., Safonova, I., Kotler, P., Shatov, V., Sun, M., Wong, J., 2019. Early Carboniferous metamorphism of the Neoproterozoic South Tien Shan-Karakum basement: New geochronological results from Baisun and Kyzylkum, Uzbekistan. *Journal of Asian Earth Sciences* 177, 275–286.
20. Safonova, I. Yu., Perfilova, A.A., Obut, O.T., Savinsky, I.A., Cherny, R. I., Petrenko, N.A., Gurova, A.V., Kotler, P.D., Khromykh, S.V., Krivonogov, S.K., Maruyama, S., 2019. Itmurundy accretionary complex (Northern Balkhash): geological structure, stratigraphy and tectonic origin. *Russian Journal of Pacific Geology* 13, 283-296.
21. Safonova I., Komiya T., L. Romer R., Simonov V., Seltmann R., Rudnev S., Yamamoto S., Sun M., 2018. Supra-subduction igneous formations of the Char ophiolite belt, East Kazakhstan. *Gondwana Research* 59, 159–179.
22. Safonova I., Maruyama S., Kruk N., Obut O., Kotler P., Gavryushkina O., Khromykh S., Kuibida M., Krivonogov S., 2018. Pacific-type orogenic belts: linking evolution of oceans, active margins and mantle magmatism. *Episodes* 41, 79-88.
23. Meng F., Safonova I., Chen S., Rioual P., 2018. Late Cenozoic intra-plate basalts of the Greater Khingan Range in NE China and Khangai Province in Central Mongolia. *Gondwana Research* 63, 65– 84.
24. Li, P., Sun, M., Rosenbaum, G., Yuan, C., Safonova, I., Cai, K., Jiang, Y., Zhang Y., 2018. Geometry, kinematics and tectonic models of the Kazakhstan Orocline, Central Asian Orogenic Belt. *Journal of Asian Earth Sciences* 153, 42-56.
25. Zhang J., Xiao W., Luo J., Chen Y., Windley B. F., Song D., Han C., Safonova I., 2018. Collision of the Tacheng block with the Mayile-Barleik-Tangbale accretionary complex in Western Junggar, NW China: Implication for Early-Middle Paleozoic architecture of the western Altaids. *Journal of Asian Earth Sciences* 159, 259-278.
26. Safonova, I., Kotlyarov, A., Krivonogov, S., Xiao, W., 2017. Intra-oceanic arcs of the Paleo-Asian Ocean. *Gondwana Research* 50, 167-194.
27. Safonova I., 2017. Juvenile versus recycled crust in the Central Asian Orogenic Belt: Implications from ocean plate stratigraphy, blueschist belts and intra-oceanic arcs. *Gondwana Research* 47, 6-27.
28. Kolesnichenko, M.V., Zedgenizov, D.A., Litasov, K.D., Safonova, I.Yu., Ragozin, A.L., 2017. Heterogeneous distribution of water in the mantle beneath the central Siberian Craton: implications from the Udachnaya Kimberlite Pipe. *Gondwana Research* 47, 249-266.
29. Safonova I., Maruyama, S., Kojima S., Komiya T., Krivonogov S., Koshida K., 2016. Recognizing OIB and MORB in accretionary complexes: a new approach based on ocean plate stratigraphy, petrology, and geochemistry. *Gondwana Research* 33, 92-114.
30. Safonova, I., Biske, G., Romer, R.L., Seltmann, R., Simonov, V., Maruyama, S., 2016. Middle Paleozoic mafic magmatism and ocean plate stratigraphy of the South Tianshan, Kyrgyzstan. *Gondwana Research* 30, 236-256.
31. Safonova, I., Seltmann, R., Sun, M., Xiao, W., Dong Y., Eyuboglu Y, Pushkarev E., Kruk N., 2016. Juvenile crust, mantle magmatism and metallogeny of the Central Asian Orogenic Belt: Progress Report of IGCP#592. *Episodes* 39, 59-69.
32. Kuibida M.L., Safonova I.Yu.*, Yermolov P.V., Vladimirov A.G., Kruk N.N., Yamamoto S., 2016. Early Carboniferous tonalites and plagiogranites of the Char suture-shear zone in East Kazakhstan: implications for the Kazakhstan-Siberia collision. *Geoscience Frontiers* 7, 141-150.
33. Safonova, I., Maruyama, S., Litasov, K., 2015. Generation of hydrous-carbonate plumes in the mantle transition zone linked to tectonic erosion and subduction. *Tectonophysics* 662, p. 454-471.
34. Xiao, W., Kusky T., Safonova I., Seltmann R., Sun M., 2015. Tectonics of the Central Asian Orogenic Belt

and its Pacific analogues. *Journal of Asian Earth Sciences* 113, p. 1-6.

35. Safonova, I., Kojima, S., Nakae, S., Romer, R., Seltmann, R., Sano, H., Onoue, T., 2015. Oceanic island basalts in accretionary complexes of SW Japan: Tectonic and petrogenetic implications. *Journal of Asian Earth Sciences* 113, 508-523.
36. Safonova I., Litasov, K., Maruyama, S., 2015. Triggers and sources of volatile-bearing plumes in the mantle transition zone. *Geoscience Frontier* 6, 679-685.
37. Sharkov, E., Lebedev, V., Chugaev, A., Zabarinskaya, L., Rodnikov, A., Sergeeva, N., Safonova, I.*, 2015. The Caucasian-Arabian segment of the Alpine-Himalayan collisional belt: Geology, volcanism and neotectonics. *Geoscience Frontiers* 6, 513-522.
38. Popov, N.V., Safonova I.Yu.*, Postnikov A.A., Terleev, A.A., Komiya, T., Tokarev, D.A., 2015. Paleoproterozoic Granitoids from the Basement of the central Siberian Platform (Borehole Mogdinskaya-6): U–Pb Age and Composition. *Doklady Earth Sciences* 461, 34-38.
39. Ge, S., Zhai, M., Safonova, I., et al., 2015. Whole-rock geochemistry and Sr–Nd–Pb isotope systematics of the Late Carboniferous volcanic rocks of the Awulale metallogenic belt in the western Tianshan Mountains (NW China): Petrogenesis and geodynamical implications. *Lithos* 228-229, 62- 77.
40. Simonov V.A., Mikolaichuk A.V., Safonova I.Yu.*, Kotlyarov A.V., Kovyazin S.V., 2015. Late Paleozoic-Cenozoic intra-plate continental basaltic magmatism of the Tienshan-Junggar region in the SW Central Asian Orogenic Belt. *Gondwana Research* 27, 1646-1666.
41. Safonova, I., Santosh, M., 2014. Accretionary complexes in the Asia-Pacific region: Tracing archives of ocean plate stratigraphy and tracking mantle plumes. *Gondwana Research* 25, 126-158.
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