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EDUCATION

- 1982 Ph.D. in Stratigraphy and Paleontology, All-Russian Geological Research Institute
St. Petersburg, RUSSIA (Dissertation: *Upper Carboniferous stratigraphy and
fusulinid biostratigraphy in Southwestern Darvas, N. Pamir, Tadzhikistan*)
- 1973 M.A. in Geology, Tadzhik State University, Dushanbe, Tadzhikistan

PROFESSIONAL EXPERIENCE

- 1995-present Research Professor, Permian Research Institute, Boise State University
- 1977-1995 Senior Scientist, All-Russian Geological Research Institute (VSEGEI), St. Petersburg,
Russia
- 1973-1977 Geologist, Geological Mapping Department, Tadzhik Geological Survey.

PROFESSIONAL AFFILIATIONS

Geological Society of America, member

RESEARCH

- 1998 -2010: Digital information and database design
- 1973 - present: global Upper Paleozoic foraminiferal biostratigraphy, evolution, taxonomy and
paleoecology
- 1982 - present: Carboniferous and Permian magnetostratigraphy.
- 1984 - present: Biogeochemistry and chemostratigraphy.
- 1995 -present: Carboniferous and Permian chronostratigraphy, sequence stratigraphy, and
sedimentology.
- 1998 - present: Graphic correlation, CONOP and RASC tools, database and analysis
- 2005 - present: biotic proxies of Paleoclimate
- 2012 - present: Phanerozoic atmosphere and biotic proxies of Phanerozoic atmosphere

SYNERGISTIC ACTIVITIES

- Co-chair Taxonomic Workshop: *“Developing and Integrating taxonomic databases for the 21st
century”*, National Evolutionary Synthesis Center (NESCent), in Durham, N.C.
- Member of Cisuralian (early Permian) Working Groups 1998-present, Subcommittee on Permian
Stratigraphy of the International Commission on Stratigraphy
- Member of Moscovian-Kasimovian Working Groups 1994-present, Subcommittee on
Carboniferous Stratigraphy of the International Commission on Stratigraphy
- Consulting Editors of *Geological Quarterly* (<http://gq.pgi.gov.pl>) since Jan 2012

MOST RECENT PUBLICATIONS, PEER-REVIEWED JOURNALS

- Davydov**, V.I. (accepted) Biotic Paleo-Thermometry Constrains on the Arctic Plates Reconstructions: Carboniferous and Permian Time (Zhokhov Island, De-Longa Group Islands, New Siberian archipelago). *Tectonics*.
- Davydov**, V. I., Crowley, J. L., Schmitz, M. D. And Snyder, W.S., (accepted) End-Guadalupian and possibly End-Lopingian Extinction Events are preserved in the passive margin of North America Craton: The New U-Pb Constrains. *Geological Magazine*.
- Davydov**, V.I., Biakov, A.S., Isbell J.L., Crowley J.L., Schmitz M.D., and Vedernikov, I.L. in press. Middle Permian U–Pb zircon ages of the “glacial” deposits of the Atkan Formation, Ayan-Yuryakh anticlinorium, Magadan province, NE Russia: Their significance for global climatic interpretations. *Gondwana Research*.
- Davydov**, V.I. and Biakov, A.S. 2015 Discovery of shallow-marine biofacies conodonts in a bioherm within the Carboniferous–Permian transition in the Omolon Massif, NE Russia near the North paleo-pole: Correlation with a warming spike in the southern hemisphere. *Gondwana Research*, <http://dx.doi.org/10.1016/j.gr.2014.07.008>
- Isbell J.L., Biakov, A.S., Vedernikov, I.L., **Davydov**, V.I., Erik L Gulbranson, E.L., and Fedorchuk, N. D. 2016. Permian diamictites in Northeastern Asia: their significance concerning the bipolarity of the late Paleozoic ice age. *Earth-Science Reviews*, Vol. 154, p. 279–300
- Michel, L.A., Tabor, N.J., Montañez, I.P. Schmitz, M.D. **Davydov**, V.I. 2015. Chronostratigraphy and Paleoclimatology of the Lodève Basin, France: Evidence for a pan-tropical aridification event across the Carboniferous–Permian boundary. *Palaeogeography, Palaeoclimatology, Palaeoecology*, Volume 430, Pages 118-131
- Lauren A. Michel, L.A., Tabor, N.J., Montañez, I.P. Schmitz, M.D. **Davydov**, V.I. 2016. Reply to the comment on “Chronostratigraphy and paleoclimatology of the Lodève Basin, France: Evidence for a pan-tropical aridification event across the Carboniferous–Permian boundary” by Michel et al., (2015). *Palaeogeography, Palaeoclimatology, Palaeoecology* 430, 118–131 *Palaeogeography, Palaeoclimatology, Palaeoecology*, Volume 441, Part 4, Pages 1000-1004.
- Gulbranson, E.L., Ciccioli, P.L., Montanez, I.P., Marensi, S.A., Limarino, C.O., Schmitz, M.D., **Davydov**, V.I. 2015. Paleoenvironments and age of the Talampaya Formation: The Permo-Triassic boundary in northwestern Argentina. *Journal of South American Earth Sciences* 63, 310-322.
- Sungatullina, G. M. and **Davydov**, V. I. 2015. New Data on Conodonts from the Kasimovian Stage of the Usolka Section, Southern Ural Mountains. *Paleontological Journal*, 2015, Vol. 49, No. 10, pp. 1142–1149.
- Davydov**, V. I; Haig, D. W; McCartain, E. 2014. Latest Carboniferous (late Gzhelian) fusulinids from Timor Leste and their paleobiogeographic affinities. *Journal of Paleontology* 88 (3): 588-605. DOI: 10.1666/13-007
- Haig, D. W., McCartain, E., Mory, A.J., Borges, G., **Davydov**, V.I. et al. 2014. Postglacial Early Permian (late Sakmarian-early Artinskian) shallow-marine carbonate deposition along a 2000 km transect from Timor to West Australia. *Palaeogeography, Palaeoclimatology,*

- Palaeoecology 409 (September 1, 2014): 180-204.
<http://dx.doi.org/10.1016/j.palaeo.2014.05.009>
- Davydov, V.I.** 2014. Benthic foraminifera document the Pennsylvanian/ Permian warming and cooling events - the record from the Western Pangaea tropical shelves. 414. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 414. 284–295. DOI. <http://dx.doi.org/10.1016/j.palaeo.2014.09.013>.
- Arefifard, S. and **Davydov, V.I.** .2014. New Permian Aliyak and Kariz Now formations, Alborz Basin, NE Iran: correlation with the Zagros Mountains and Oman. *Geological Journal*. DOI: 10.1002/gj.2599
- Khodjanyazova R. R., **Davydov, V.I.**, Montanez, I.P., and Schmitz, M.D., 2014. Climate- and eustasy-driven cyclicity in Pennsylvanian fusulinid assemblages, Donets Basin (Ukraine). *Palaeogeography, Palaeoclimatology, Palaeoecology*, Elsevier) vol. 396, p.41-61. <http://dx.doi.org/10.1016/j.palaeo.2013.12.038>
- Davydov, V.I.**, 2013. Climate Fluctuations within the Western Pangean Tropical Shelves – The Pennsylvanian/ Permian record from Benthic Foraminifera. In: Lucas, S.G., Schneider, J. W. and Spielmann J.A., eds. 2013, *The Carboniferous-Permian Transition*. New Mexico Museum of Natural History and Science, Bulletin 60: 73-78
- Gradstein, F. M., **Davydov, V. I.** and Hammer, Ø., 2013. Carboniferous cyclic sedimentation and micropaleontology of Bear Island, Arctic Norway. *Newsletters on Stratigraphy*. 46(3), 303-317.
- Shen, Shu-zhong; Cao, Chang-qun; Zhang, Hua; Bowring, Samuel A.; Henderson, Charles M.; Payne, Jonathan L.; **Davydov, Vladimir I.**; Chen, Bo; Yuan, Dong-xun; Zhang, Yi-chun; Wang, Wei; Zheng, Quan-feng , 2013. High-resolution $\delta^{13}\text{C}_{\text{carb}}$ chemostratigraphy from latest Guadalupian through earliest Triassic in South China and Iran. *Earth and Planetary Science Letters*, Volume 375, p. 156-165.
- Davydov, V.I.**, 2013. Climate Fluctuations within the Western Pangean Tropical Shelves – The Pennsylvanian/ Permian record from Benthic Foraminifera. In: Lucas, S.G., et al. eds., 2013, *The Carboniferous-Permian Transition*. New Mexico Museum of Natural History and Science, Bulletin 60: 73-78
- Davydov, V.I.**, Haig, D.W., and E. Mccartain (2013) A warming spike at the latest Carboniferous as recorded by a fusulinid-rich bioherm in Timor Leste: implications for deglaciation in the East Gondwana rift system. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 376, 22-38.
- Khodjanyazova R. R. and **Davydov, V.I.** (2013) Late Moscovian fusulinids from the “N” Formation (Donets Basin, Ukraine). *Journal of Paleontology*. 87(1), 2013, p. 44–68
- Davydov, V.I.** and Arefifard, S. (2013) Middle Permian (Guadalupian) fusulinid taxonomy and biostratigraphy of the mid-latitude Dalan Basin, Zagros, Iran and their applications in paleoclimate dynamics and paleogeography. *GeoArabia*, 2013, v.18, no. 2, p.17-62 ISSN 10256059
- Davydov, V.I.**, Krainer, K. and Chernykh, V.V. (2013) Fusulinid biostratigraphy of the Lower Permian Zweikofel Formation (Rattendorf Group; Carnic Alps, Austria) and Lower Permian Tethyan chronostratigraphy. *Geological Journal*. 48: 57–100
- Zubin-Stathopoulos, K. D., Beauchamp, B., **Davydov, V.I.**, Henderson, C. M. (2013) Variability of Pennsylvanian-Permian Carbonate Associations and Implications for Northwest Pangea

- Palaeogeography, East-Central British Columbia, Canada. Geological Society, London, Special Publications, v. 376, First published online November 26, 2012, doi:10.1144/SP376.1
- Davydov**, V.I., Schmitz, M. and Korn, Dieter. 2012.. The Carboniferous Period. In: Gradstein, F., Ogg J., Schmitz, M.D. and Ogg, G. (Eds.). The Geological Time Scale, Elsevier, p. 603-651.
- Henderson, C.M., **Davydov**, V.I., and Wardlaw, B.W.. 2012. The Permian Period. In: Gradstein, F., Ogg J., Schmitz, M.D. and Ogg, G. (Eds.). The Geological Time Scale, Elsevier, p. 652-679.
- Schmitz, M. D., and **Davydov**, V.I. (2012). Quantitative radiometric and biostratigraphic calibration of the Pennsylvanian – Early Permian (Cisuralian) time scale, and pan-Euramerican chronostratigraphic correlation. *GSA Bulletin*, p.549-577.
- Zeng Jun· Cao Chang-qun, **Davydov**, V. I., Shen Shu-zhong, (2012). Carbon isotope chemostratigraphy and implications of palaeoclimatic changes during the Cisuralian (Early Permian) in the southern Urals, Russia. *Gondwana Research* 21, 601–610, doi:10.1016/j.gr.2012.06.00
- Eros, J.M., Montañez, I.P., Osleger, D.A., **Davydov**, V.I., Nemyrovska, T.I., Poletaev, V.I., and Zhykalyak, M.V. 2012. Upper Carboniferous Sequence Stratigraphy and Relative Sea Level History, Donets Basin, Ukraine. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 313-314 (1–2), p. 1-25. doi:10.1016/j.palaeo.2011.08.019
- Davydov**, V. I. 2011. Taxonomy, nomenclature, and evolution of the early schubertellid fusulinids. *Acta Palaeontologica Polonica* 56 (1): 181-194. doi:10.4202/app.2010.0026
- Davydov**, V.I., Crowley, J.L., Schmitz M.D., and Poletaev, V.I., 2010. High-precision U-Pb zircon age calibration of the global Carboniferous time scale and Milankovitch-band cyclicity in the Donets Basin, eastern Ukraine. *Geochemistry, Geophysics, Geosystems*, vol 11, No, 1, p.1-22.
- Cashman, P.H., Villa, D. E., Trexler, J., **Davydov**, V. I., and W. J. Taylor (2011). Late Paleozoic Contractional and Extensional Deformation at Edna Mountain, Nevada. *The Geological Society of America Bulletin*. Vol. 123:651-668
- Cashman, P.H., Trexler, J., **Davydov**, V. I., and W. S. Snyder (2011). Tectonostratigraphy of the Great Basin from the Antler Orogeny through Pennsylvanian time. In Steininger, Roger, Pennell, Bill (eds). *Great Basin evolution and metallogeny; Geological Society of Nevada 2010 symposium*. DEStech Publications, p. 191-203.
- Ford, C.M., Henderson, C.M., Hubbard, S.M., Soreghan, G.S., Hathaway, K., Soreghan, M., and **Davydov**, V.I., 2009. Geologic Record of Arid Climate Cyclothem in the Upper Pennsylvanian and Lower Permian Tobermory and Kananaskis Formations of Fortress Mountain Ridge Section. *CSPG CSEG CWLS Convention: Calgary, Alberta*, 771-774.
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- Davydov**, V.I. and Khodjanyazova R.R., 2009. Moscovian-Kasimovian transition in Donets Basin: fusulinid taxonomy, biostratigraphy correlation and paleobiogeography. In: Puchkov, V.N (ed.) *The Carboniferous type sections in Russia, potential and proposed stratotypes:*

- Proceedings of the International Conference. Ufa – Sibai, 13–18 August, 2009. Ufa, 2009, p. 193-196.
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- Davydov**, V.I., Chernykh, V.V., Chuvashov, B.I., Schmitz M.D., & Snyder, W.S. (2008) Faunal Assemblage and Correlation of Kasimovian-Gzhelian Transition at Usolka Section, Southern Urals, Russia (a Potential Candidate for GSSP to Define Base of Gzhelian Stage). *Stratigraphy*, vol. 5 No 2 pp. 113-135.
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- M. Menning, A. S. Alekseev, B. I. Chuvashov, V. I. **Davydov**, F. X. Devuyst, H. C. Forke, L. Hance, P. H. Heckel, P. J. Jones, T. I. Nemyrovska, X. D. Wang, D. Weyer, and D. M. Work Global stratigraphic scale of the Carboniferous and regional stratigraphic scales of Central and west Europe, central Russia, Donets, south China, and North America as used in the Devonian-Carboniferous-Permian correlation chart 2003 (DCP 2003) (*in Geo-Pomerania Szczecin 2007; Geology cross-bordering the western and eastern European Platform; abstract volume*) *Schriftenreihe der Deutschen Gesellschaft fuer Geowissenschaften* (2007), 53 192-194
- Ramezani, J., **Davydov**, V.I., Schmitz, M.D., Bowring, S.A., Snyder, W.S. and Northrup, C.J. 2007. High-precision U-Pb zircon age constraints on the Carboniferous-Permian boundary in the southern Urals stratotype. *Earth and Planetary Science Letters.*, vol 256, issue 1-2, p. 244-257.
- Davydov**, V.I., 2007 *Protriticites* foraminiferal fauna and its utilization in the Moscovian–Kasomovian boundary definition. In: Wong, Th. E. (Ed.): Proceedings of the XVth International Congress on Carboniferous and Permian Stratigraphy. Utrecht, the Netherlands, 10–16 August 2003. Royal Netherlands Academy of Arts and Sciences, p. 456-466.
- Chernykh, V.V., Chuvashov B.I., **Davydov**, V.I. and Snyder, W.S., 2006. Usolka section (southern Urals, Russia): a potential candidate for GSSP to define the base of the Gzhelian Stage in the global chronostratigraphic scale. *GEOLOGIJA* 49/2, 205–217, Ljubljana.
- M. Menning , A.S. Alekseev , B.I. Chuvashov V.I. **Davydov** , F.-X. Devuyst , H.C. Forke , T.A. Grunt , L. Hance , P.H. Heckel , N.G. Izokh , Y.-G. Jin , P.J. Jones , G.V. Kotlyar , H.W. Kozur , T.I. Nemyrovska , J.W. Schneider , X.-D. Wang , K. Weddige , D. Weyer , & D.M. Work

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- Menning, M., A.S. Alekseev, B.I. Chuvashov, V.I. **Davydov**, F.-X. Devuyst, H.C. Forke, T.A. Grunt, L. Hance, P.H. Heckel, N.G. Izokh, Y.-G. Jin, P.J. Jones, G.V. Kotlyar, H.W. Kozur, T.I. Nemyrovska, J.W. Schneider, X.-D. Wang, K. Weddige, D. Weyer, D.M. Work (2006) Global time scale and regional stratigraphic reference scales of Central and West Europe, East Europe, Tethys, South China, and North America as used in the Devonian–Carboniferous–Permian Correlation Chart 2003 (DCP 2003) *Palaeogeography, Palaeoclimatology, Palaeoecology, Volume 240, Issues 1-2, Pages 318-372*.
- Vladimir I. **Davydov**, Valery V. Chernykh, Chuvashov, B.I., Mark D. Schmitz, and Walter S. Snyder, 2006 High-resolution chronostratigraphy of Pennsylvanian and Cisuralian (lower Permian) of the Urals Mountains: developing community data sets for calibration of the time scale. *Kölner Forum für Geologie und Paläontologie*, vol. 15, 20-21.
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