

CURRICULUM VITAE

Name: Dudarev Oleg V.

Birth date: June 3, 1955

Birth place: Bitijkov Village, Ivano-Frankovsk District, Ukraine, USSR

Citizenship: Russia

Education:

Geophysical Department of Far Eastern State University (marine geology & geomorphology), Vladivostok, Russia (1977);

Correspondence Graduate School of P.P. Shirshov's Oceanology Institute Russian Academy of Sciences, Moscow, Russia (under the supervision of Academician Alexander P. Lisitzin, 1996);

Defended the Ph.D. Thesis in the P.P. Shirshov's Oceanology Institute Russian Academy of Sciences, Moscow, Russia.

Title: Ph.D. of Geology and Mineralogy (1996)

Professional employment:

Student, Far East State University, Vladivostok, 1972-1977

Probationer Research Scientist, Pacific Oceanological Institute, Academy of USSR Sciences, Vladivostok, USSR, 1977-1978

Junior Research Scientist, in the same place, 1978-1989

Research Scientist, in the same place, 1989-1996

Senior Research Scientist, in the same place, 1996-1998

Leading Research Scientist, in the same place, 1998 - to present time

Present Position:

Leading Research Scientist, Laboratory of Polar Regions Geochemistry, Pacific Oceanological Institute, Far Eastern Branch of Russian Academy of Sciences, 43 Baltiyskaya Str., Vladivostok 690041, Russia

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Professional activities:

In 1978-2004 I participated in 42 scientific cruises in the near-coastal shelf zone and estuarine parts of Great Asian Rivers: Ob & Yenisey (Kara Sea), Anabar, Khatanga, Lena & Yana (Laptev Sea), Indigirka & Kolyma (East-Siberian Sea), Anadyr (Bering Sea), Amur (Okhotsk & Japan Seas), Razdolnaya (Japan Sea), Changjiang (East-China Sea), Mekong (South-China Sea); also, some other regions estuaries as Nile (Mediterranean Sea) & Elbe (North Sea).

My research field are connected with the modern near continental sedimentary processes research. Investigation subjects:

- the features of the terrigenous material supply from estuaries and permafrost coast;
- the terrigenous matter behavior within coastal waters under hydrodynamical and biogeochemical processes;
- the terrigenous matter behavior within shelf cryolithozone;
- modern particle fluxes during the different temporal periods;
- the geochemical directionality of the recent sedimentary processes.

Since 1997 I have been working for the Arctic problem as coastal erosion. Collecting all available on bottom sediments and particulate matter data sets to evaluate variability sedimentary and biogeochemical processes in the Arctic Land-Shelf System. The standard diversified investigations are planned for the pursuance of the long-term seasonal observations is required.

Other professional activities:

- under my leadership 2 M.S. were made in Sedimentology (Far Eastern State University, Vladivostok);
- the 3rd year PhD Student Alexander N. Charkin;
- visiting research scientist (Frontier Research system for Global Change, International Arctic Research Center University of Alaska Fairbanks).

Publications: 125

Selected publications:

L. Guo, I. Semiletov, O. Gustafsson, J. Ingri, P. Andersson, **O. Dudarev**, D. White. Characterization of Siberian Arctic coastal sediments: implications for terrestrial organic carbon export // *Global Biogeochemical Cycles*. Vol. 18, doi:10.1029/2003GB002087, 2004 (in English).

Dudarev O.V., Botsul A.I., Semiletov I.P., Charkin A.N. Modern sedimentation within the near-coastal shelf cryolitic zone of the Dmitry Laptev Strait of the East Siberian Sea // *Pacific Geology*. 2003. Vol. 22. № 1, pp. 51-60 (in Russian).

Saveliev A.V., **Dudarev O.V.**, Savelieva N.I. Estimation of dynamic factors in the transport and distribution of suspended solids in the Anadyr Gulf by numerical modelling // *Hydrometeorological and ecological conditions in the Russia Far East: FERHRI Special issue № 4*. Vladivostok: Dalnauka, 2003, pp. 126-143 (in Russian).

Dudarev O.V., A.I. Botsul, V.V. Anikiev, G.M. Kolesov & D. Yu. Sapozhnikov. Modern sedimentation in the north-western part of Anadyr Gulf cryolithozone (Bering Sea). *Pacific Geology*. № 3. 2001, pp. 32-43 (in Russian; in English: in *Geology of Pacific Ocean Intern.*, 2002).

Dudarev O.V., I.P. Semiletov, A.I. Botsul, I.V. Utkin, V.V. Anikiev, G.M. Kolesov, D.Yu. Sapozhnikov. The coastal erosion as a significant source of the particulate matter into the Arctic Shelf // *Proc of 2nd Wadati Conf. on Global Change and the Polar Climate*. Japan. 2001, pp. 176-178 (in English).

Anikiev V.V., **Dudarev O.V.**, Kolesov G.M., Botsul A.I., Utkin I.V. Factors of mesoscale variability in the distribution of the particulate matter and chemical elements in the Amur River Estuary-Sea of Okhotsk waters // *Geochemical International*. Vol. 39. № 1. 2001. P. 64-87.

Anikiev V.V., Botsul A.I., **Dudarev O.V.**, Kolesov G.M., D.Yu. Sapozhnikov, E.N. Shumilin. Distribution, fractionation and fluxes of the rare-earth elements in the suspended matter-bottom sediment system in the Mekong and Saygon River Estuaries, South China Sea // *Geochemical International*. Vol. 39. № 9. 2001. P. 897-907.

Anikiev V.V., **Dudarev O.V.**, Said M.A., Botsul A.I., Utkin I.V., Shumilin E.N. Influence of nature and anthropogenic factors on the suspended matter and chemical elements distribution near the Nile River Delta and adjacent Medi terranean Sea waters // *Geochemistry*. 2000. № 1. P. 78-91.

Dudarev O.V., Botsul A.I., Anikiev V.V., Yakunin L.P., Kolesov G.M. Modern sedimentation at the Amur River Estuary // *Pacific Geology*. 2000. Vol. 19. № 3. P. 30-43.

Yakunin L.P., **Dudarev O.V.**, Botsul A.I., Anikiev V.V., Utkin I.V. Effect of hydrometeorological factors on suspended matter in the Okhotsk Sea part of the Amur River Estuary // *FERHRI Special issue*. № 3. Vladivostok: Dalnauka. 2000. P. 139-149.

Anikiev V.V., Botsul A.I., **Dudarev O.V.**, Kolesov G.M., Botsul A.I., D.Yu. Sapozhnikov. Distribution and sedimentation fluxes of chemical elements in the particulate matter-bottom sediments system at the transition from the Anadyr River Estuary to the Bering Sea // *Geochemical International*. 1997. Vol. 35. № 3. P. 274-283.

Anikiev V.V., Botsul A.I., **Dudarev O.V.**, Kolesov G.M., D.Yu. Sapozhnikov, E.N., Botsul A.I. Effect of lithodynamic factors on noble-metal distribution in the particulate matter and bottom sediments in the marine part of the Anadyr River estuary // *Geochemical International*. Vol. 35. № 5. 1997. P. 467-482.