

Curriculum Vitae and List of Publications of Dr. Leonid Sokoletsky

Personal Data

Place of Birth Leningrad (now: Saint-Petersburg), Russia
Family Status..... Married + 2 children
Permanent Address 98 N. Hamilton Rd., 27517 Chapel Hill, NC, USA
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Education, Certificates and Degrees

Bar-Ilan University (Ramat-Gan, Israel) 09/1996 – 06/2003
Faculties of Life Sciences and Geography
Aquatic Ecology - Doctor of Philosophy

State Optical Institute (Leningrad, early Soviet Union) 09/1985 – 06/1988
Optics - Doctoral Fellowship

Leningrad Electrotechnical Engineering Institute (Leningrad, early Soviet Union); at present -
Electrotechnical University of St. Petersburg (Russia) 09/1975 – 06/1983
Automatic Control Systems - B.Sc., M.Sc.

Instrument Making College (Leningrad, early Soviet Union) 09/1972 – 06/1975
Applied Mathematics - B.Sc.

Recent Training Courses

The Weizmann Institute of Science, Israel April 7-9, 2004
Marine Optics and Ocean Biogeochemistry workshop

Interuniversity Institute, Eilat, Israel March 19-22, 2000
Ocean Optics workshop

Cornell University – Shoals Marine Laboratory, Ithaca, New York, USA July 1999 – August 1999
Advanced Topics in Oceanography: Satellite Remote Sensing in Biological Oceanography
(computer programs and data bases: SeaWiFS, SeaDAS, IDL)

Interuniversity Institute, Eilat, Israel March 10 – 23, 1996
Red Sea Program Course

Technological College, Beer-Sheva, Israel September 1993 – February 1994
Up-to-date Technologies for the Computer Programmers (MSDOS, WINDOWS, UNIX, C/C++,
WORD, EXCEL, MAGIC)

Moscow ORT Resource Center, Leningrad, early Soviet Union February 1993
Graphic Environment Microsoft Windows and Applications

Positions Held

From-To

Institute, Laboratory, Place

Research Area

Position

U.S. Environmental Protection Agency, 01/2007 – 01/2010
Research Associate, under the supervision of Dr. Ross S. Lunetta
National Exposure Research Laboratory, Research Triangle Park, USA
Atmospheric correction and satellite water quality monitoring for Albemarle-Pamlico Estuary System (APES)

The Weizmann Institute of Science 05/2005 – 04/2006
Postdoctoral Fellow, under the supervision of Dr. Hezi Gildor
Department of Environmental Sciences & Energy Research, Rehovot, Israel
Optical geochemistry studies in the hypersaline Dead Sea

Israel Oceanographic and Limnological Research Ltd. 06/2003 – 05/2005
Postdoctoral Fellow, under the supervision of Dr. Yosef Yacobi
The Yigal Allon Kinneret Limnological Laboratory, Migdal, Israel
Optical models of inland waters and their application for remote assessment of Lake Kinneret water quality

Bar-Ilan University, Computer Laboratory 09/1999 – 06/2002
Personal Computers Instructor, under the supervisor of Dr. Moshe Ben-Tzion
Departments of Biology and Chemistry, Israel
Providing assistance to students in performing their assignments

Ben-Gurion University – The Jacob Blaustein Institute for Desert Research 05/1994 – 04/1995
Research Fellow, under the supervision of Dr. Anatoly Gitelson
Remote Sensing Laboratory, Sede-Boker, Israel
Optical models of inland waters and their application for remote assessment of Lake Kinneret water quality

Leningrad Research Institute at Scientific-Industrial Association “**Pigment**” 12/1979 – 12/1989
Senior Technician; Engineer; Research Fellow, under the supervision of Dr. Valery Pilyavsky
Laboratory of Mathematical Modeling, Leningrad, early Soviet Union
Mathematical modeling of optical and painting-technological properties of paint- and-varnish systems; dispersion analysis of colloidal chemical systems; development of express-methods of qualitative analysis for white pigments and enamels

Research and Computer Experience

- Mathematical modelling of optical processes in disperse systems and layers (such as natural waters, atmospheres, colloids), using of Mie, Rayleigh and Rayleigh-Hans theories, radiative transfer simulations, numerical methods, sensitivity analysis, handling large data sets and statistics
- Solution of the direct and inverse optical problems, including remote sensing, solar irradiance modeling, conversion from apparent to inherent optical properties of Cases 1 and 2 waters by means of radiative transfer equations and bio-optical modelling; estimation of particle size distributions of the chemical dispersions and water quality parameters

- Work on computers such as EC (IBM) mainframes, SM (PDP), laptops & desktops PC; knowledge of programming languages such as ALGOL, FORTRAN, BASIC, C/C++, MATLAB and computer applications such as Word, Excel, Scientific WorkPlace, PowerPoint, ENVI, IDL, SeaDAS.

Research Projects

- Atmospheric correction and satellite water quality monitoring for Albemarle-Pamlico Estuary System (APES) (2007 - 2009)
- Bio-Optical and Physical Properties, and Remote Sensing Water Quality Monitoring of the Hypersaline Dead Sea (2005-2006)
- Atmospheric Correction and Water Quality Monitoring for High-Productive Case 2 Waters (Lake Kinneret, Israel) Using MERIS Data (2003-2005)
- Remote Sensing Reflectance and SeaWiFS Pigment/Atmospheric Algorithms for the Gulf of Maine (1999)
- Bio-Optical Characterization of the Canary Island-Azores-Gibraltar Region of the Atlantic Ocean (CANIGO) Project (1995-2000)
- Red Sea Program (1995-2000)
- Optical Models of Inland Waters and its Application for Remote Assessment Lake Kinneret Water Quality (1993-1994)
- Mathematical Modelling of Optical and Technological Properties of Paint and Varnish Systems (1979-1989)

Teaching Experience

Teaching of mathematics, computer programming and informatics in various schools and institutes of Leningrad (Russia) and Tel-Aviv (Israel).

Languages

Russian – is a mother language; English and Hebrew – a good reading, writing, and communication skills.

Prizes, Awards and Memberships

Postdoctoral fellowship awarded by the U.S. National Research Council of the National Academies	2007 – 2010
Listed in 2006-2007 Edition of "Who's Who in Science and Engineering"	2007
Postdoctoral fellowship awarded by the Feinberg Graduate School of the Weizmann Institute of Science	2005 – 2006
Membership in the Optical Society of America (OSA)	2004 – 2005, 2008 –
Membership in the American Geophysical Union (AGU)	2004 – 2006, 2009 –
Postdoctoral scholarship granted by the Admiral Yohai Ben-Nun Foundation for Marine and Freshwater Research	2003 – 2005
Membership in the American Society of Limnology and Oceanography (ASLO)	2002 – 2005
Membership in the European Society of Limnology and Oceanography (ESLO)	2000 – 2005

The second prize of the 3rd All-Union Conference of Young Research Scientists "Theoretical and Applied Optics" 1988

Participating and awarding of different prizes in Annual Conferences of Young Research Scientists of Scientific-Industrial Association "Pigment" and Leningrad Technological Institute 1981 - 1984

List of Main Publications

1. Sokoletsky, L. G., O. V. Nikolaeva, V. P. Budak, L. P. Bass, R. S. Lunetta, V. S. Kuznetsov, and A. A. Kokhanovsky. A comparison of numerical and analytical radiative-transfer solutions for plane albedo of natural waters. *Journal of Quantitative Spectroscopy and Radiative Transfer*. 110(13): 1132-1146 (2009).
2. Sokoletsky, L., R. S. Lunetta, M. S. Wetz, and H. W. Paerl. Above-water assessment of inherent optical properties and the water quality components in turbid estuarine waters based on radiative transfer (in preparation for *Sensors*).
3. Sokoletsky, L. G., R. S. Lunetta, M. S. Wetz, and H. W. Paerl. MERIS retrieval of water quality components in the turbid Albemarle-Pamlico Sound Estuary, USA (in preparation for *Sensors*).
4. Wetz, M. S., R. S. Lunetta, L. G. Sokoletsky, and H. W. Paerl. Multi-year changes in the location of the estuarine chlorophyll maximum in North Carolina's Neuse River Estuary: implications for ecosystem functioning and water quality assessment (in preparation for *Limnology and Oceanography*).
5. Kokhanovsky, A. A. and L. G. Sokoletsky. Reflection of light from semi-infinite absorbing turbid media. Part 1: Spherical albedo. *Color Research and Application*. 31(6): 491-497 (2006).
6. Kokhanovsky, A. A. and L. G. Sokoletsky. Reflection of light from semi-infinite absorbing turbid media. Part 2: Plane albedo and reflection function. *Color Research and Application*. 31(6): 498-509 (2006).
7. Sokoletsky, L. A comparative analysis of selected radiative transfer approaches for aquatic environments. *Appl. Optics*. 44(1): 136-148 (2005).
8. Sokoletsky, L., Z. Dubinsky, M. Shoshany, and N. Stambler. Single-wavelength algorithms for *in situ* or remote sensing estimation of mean pigment concentration. *Int. J. Remote Sensing*. 25(7-8): 1517-1525 (2004).
9. Sokoletsky, L. *In situ* and remote sensing bio-optical methods for the estimation of phytoplankton concentration in the Gulf of Aqaba (Eilat). Ph.D. Thesis, *Bar-Ilan University*, Israel, 240 pp. (2003).
10. Sokoletsky, L., Z. Dubinsky, M. Shoshany, and N. Stambler. Estimation of phytoplankton pigment concentration in the Gulf of Aqaba (Eilat) by *in situ* and remote sensing single-wavelength algorithms. *Int. J. Remote Sensing*. 24(24): 5049-5073 (2003).
11. Sokoletsky, L. Bio-optical models for the retrieval of the chlorophyll concentration in the water: Preparing to remote sensing applications for Lake Kinneret. *Kinneret News*. 26: 53-58 (2003) – in Hebrew.
12. Vilesova, L. D., E. E. Tarakanova, V. F. Chuprik, E. A. Bykov, G. P. Toporkova, N. R. Bykova, T. E. Volkova, V. G. Sofronov, V. A. Solov'eva, L. G. Sokoletskii, A. A. Nikolenkova, and G. I. Podlovilina. Production method for pigment zinc sulfide. *Cert. of Authorship (patent) for USSR SU 1, 540, 250, 01 Oct 1989, Appl. 4, 314, 940, 25 Aug 1987*.
13. Sokoletskii, L. G., S. Yu. Shchegolev, N. G. Khlebtsov, and V. P. Pilyavskii. Spectroturbidimetric methods for determination of the disperse composition of titanium

- dioxide aqueous pastes. *Kolloidn. Zh.* 50(4): 741-748 (1988); *Colloid J.* 50(4): 639-645 (1988).
14. Sokoletskii, L. G. and V. P. Pilyavskii. Determination of the disperse composition and scattering capacity of pigment titanium dioxide by express-methods. Deposited in VINITI 20.06.1988 with reg. № 4846-B88; *J. Appl. Spectr.* 49(3): 512 (1988).
 15. Sokoletskii, L. G., V. P. Pilyavskii, V. G. Sofronov, and V. F. Chuprik. Determination of the particle size distribution, scattering capacity, and tinting strength of white pigments by a spectroturbidimetric method. *Lakokras. Mater. Ikh Primen. (Paint and Varnish Materials and their Application)*. 4: 34-37 (1988) – in Russian.
 16. Tarakanova, E. E., N. R. Bykova, T. E. Volkova, L. G. Sokoletskii, I. I. Kalinichenko, V. G. Sofronov, and V. F. Chuprik. Effect of the conditions of the heat treatment of zinc sulfide on its pigment properties. *Lakokras. Mater. Ikh Primen. (Paint and Varnish Materials and their Application)*. 6: 15-16 (1988) – in Russian.
 17. Sokoletskii, L. G., V. P. Pilyavskii, and I. V. Smykalova. Method for determining diffuse scattering coefficient of white pigments. *Cert. of Authorship (patent) for USSR* SU 1350566 (Cl. G01 N21/47) 07 Nov 1987, Appl. 4, 057, 023, 18 Mar 1986. A1 19871107 CAN 108:152205 AN 1988:152205.
 18. Sokoletskii, L. G., L. G. Evgrafova, V. A. Ryzhov, and V. P. Pilyavskii. Optical determination of a disperse composition of titanium dioxide pigment in aqueous pastes. *Lakokras. Mater. Ikh Primen. (Paint and Varnish Materials and their Application)*. 3: 41-44 (1985) – in Russian.
 19. Sokoletskii, L. G., V. A. Ryzhov, L. G. Evgrafova, V. P. Pilyavskii, and L. R. Khachaturova. Determination of the dispersion composition of water-dispersed film-forming agents according to turbidity spectra. *Lakokras. Mater. Ikh Primen. (Paint and Varnish Materials and their Application)*. 2: 42-43 (1983) – in Russian.
 20. Sokoletskii, L. G., V. A. Ryzhov, L. G. Evgrafova, L. R. Khachaturova, and V. P. Pilyavskii. Determination of the particle size distribution of aqueous dispersions of polymers from the turbidity spectra within the Rayleigh-Hans range. *Kolloidn. Zh. (Colloid Journal)*. 45(1): 167-169 (1983) – in Russian.

Participation in Scientific Meetings

The V International Conference "Current Problems in Optics of Natural Waters" ONW-2009 Saint-Petersburg, Russia, 8-12 September, 2009. Poster presentation and paper
Modeling the plane albedo of absorbing and scattering layers with a special emphasis on natural waters
 Sokoletsky, L.G., Budak, V.P., Lunetta, R.S.

The V International Conference "Current Problems in Optics of Natural Waters" ONW-2009 Saint-Petersburg, Russia, 8-12 September, 2009. Poster presentation and paper
Practical algorithms for remote-sensing retrieval of the water column constituents in the Israeli waters
 Sokoletsky, L.G., Gildor, H., Oren, A., Stambler, N., Iluz, D.

The Second MERIS – (A)ATSR User Workshop
 Frascati, Italy, 22-26 September, 2008. Contributed lecture and paper in Workshop Proceedings (H. Lacoste, Ed. ESA SP-666, Noordwijk, The Netherlands, 2008)
Estimation of inherent optical properties and water constituent concentrations from the remote-sensing reflectance spectra in the Albemarle-Pamlico Estuary, USA

Sokoletsky, L., Lunetta, R., Ediriwickrema, J.

Conference " Ocean Optics XVIII "

Montréal, Quebec, Canada, 9–13 October, 2006. Poster presentation and paper in Conference Proceedings

The interplay between optical and physical properties in the Dead Sea

Sokoletsky, L., Boss, E., Gildor, H.

ISPRS Commission VIII Mid-Congress Symposium " Remote Sensing Applications for a Sustainable Future "

Haifa, Israel, 4-7 September, 2006. Poster presentation and paper in Symposium Proceedings

Practical algorithms for remote-sensing retrieval of the water column constituents in the Israeli waters

Sokoletsky, L.G., Oren, A., Stambler, N., Iluz, D.

The Third Annual Conference of the Israeli Association for Aquatic Studies

Haifa, Israel, 23 May, 2006. Poster presentation and abstract (p. 42) in Book of Abstracts

Inherent optical properties of the Dead Sea and their relation to the biological, sedimentological, and physical properties of the lake

Sokoletsky, L., Gildor, H., Boss, E.

European Geosciences Union General Assembly 2006

Vienna, Austria, 2-7 April, 2006. Poster presentation and abstract in *Geophysical Research Abstracts*, 8, 05978, 2006

Spectral diffuse reflectance of the Dead Sea

Sokoletsky, L., Kokhanovsky, A.

2006 Ocean Sciences Meeting (ASLO, ERF, TOS and AGU)

Honolulu, Hawaii, USA, 20-24 February, 2006. Poster presentation and abstract in Book of Abstract (OS36I-04)

Bio-optical properties of the Dead Sea

Sokoletsky, L., Gildor, H., Boss, E.

The Third International Conference " Current Problems in Optics of Natural Waters " ONW-2005

Saint-Petersburg, Russia, 12-16 September, 2005. Poster presentation and paper (pp. 56-63) in

Proceedings of D. S. Rozhdestvensky Optical Society. Iosif Levin and Gary Gilbert (Eds.), 384 pp.)

Reflective characteristics of natural waters: The accuracy of selected approximations

Sokoletsky, L.G., Kokhanovsky, A.A.

The Third International Conference " Current Problems in Optics of Natural Waters " ONW-2005

Saint-Petersburg, Russia, 12-16 September, 2005. Poster presentation and paper (pp. 47-55) in

Proceedings of D. S. Rozhdestvensky Optical Society. Iosif Levin and Gary Gilbert (Eds.), 384 pp.)

Use of radiative transfer approximations for estimating the optical properties and mean chlorophyll a concentration from reflectance spectra in highly turbid waters

Sokoletsky, L.G., Yacobi, Y.Z.

The Second Annual Conference of the Israeli Association for Aquatic Studies

Ramat Gan, Israel, 2 May, 2005. Poster presentation and abstract (p. 41) in Book of Abstracts

Estimation of optical properties and mean chlorophyll a concentration from reflectance spectra in natural waters: Analytical approach

Sokoletsky, L.G., Yacobi, Y.Z.

2004 ENVISAT & ERS Symposium

Salzburg, Austria, 6-10 September, 2004. Poster presentation and paper (pp. 1 – 7) in Symposium Proceedings (H. Lacoste, Ed. ESA SP-572, Noordwijk, The Netherlands, April 2005)

A comparative analysis of simple radiative transfer approaches for aquatic environments

Sokoletsky, L., Yacobi, Y.

ASLO/TOS Ocean Research 2004 Conference

Honolulu, Hawaii, USA, 15-20 February, 2004. Contributed lecture and abstract (p. P40) in Book of Abstracts

A review of chlorophyll concentration in the Gulf of Eilat (Aqaba) open waters by in situ monitoring and remote-sensing derived data from the past two decades

Dadashev, A., Blumberg, D.G., Dubinsky, Z., Iluz, D., Sokoletsky, L., Yacobi, Y.Z.

II Plankton Symposium

Vigo, Spain, 16-19 October, 2003. Contributed lecture

A review of chlorophyll a concentration in the Gulf of Eilat (Aqaba) open waters by in situ monitoring and remote-sensing derived data from the past two decades

Dadashev, A., Blumberg, D.G., Iluz, D., Sokoletsky, L., Dubinsky, Z., Yacobi, Y.Z.

The Second International Conference " Current Problems in Optics of Natural Waters " ONW-2003

Saint-Petersburg, Russia, 8-12 September, 2003. Poster presentation and paper (pp. 307-313) in Proceedings of D. S. Rozhdestvensky Optical Society. Iosif Levin and Gary Gilbert (Eds.), 382 pp.

In situ determination of inherent optical properties by absorption and attenuation meters: Towards an optimal instrument

Sokoletsky, L.

The Fourth Annual Conference on Active Research by Environmental Sciences Students CARESS '2003

Rehovot, Israel, 11 June, 2003. Poster presentation

Could we estimate in advance the accuracy of in situ measurements of the inherent optical properties of natural waters?

Sokoletsky, L.

Conference " Ocean Optics XVI "

Santa Fe, NM, USA, 18-22 November, 2002. Poster presentation and paper in Conference Proceedings

The average cosine of the underwater light field: Analysis and implementations for bio-optical models

Sokoletsky, L., Dubinsky, Z., Shoshany, M., Stambler, N.

The Interuniversity Institute for Marine Sciences 33rd Anniversary Conference

Eilat, Israel, 21-25 October, 2001. Poster presentation and abstract in Book of abstracts (pp. 86-87)

Modeling of planktonic communities of the Gulf of Eilat

Kamenir, Y., Brenner, S., Dubinsky, Z., Haese, C., Iluz, D., Lazar, B., Al Qutob, M., Sokoletsky, L., Stambler, N.

The Interuniversity Institute for Marine Sciences 33rd Anniversary Conference

Eilat, Israel, 21-25 October, 2001. Poster presentation and abstract in Book of abstracts (pp. 138-139)

Radiative transfer theory, bio-optical modeling and chlorophyll: How they interact in the Gulf of Aqaba (Eilat)?
Sokoletsky, L.

The First International Conference "Current Problems in Optics of Natural Waters" ONW-2001

Saint-Petersburg, Russia, 25-29 September, 2001. Poster presentation and paper (pp. 290-296) in Proceedings of D. S. Rozhdestvensky Optical Society. Iosif Levin and Gary Gilbert (Eds.), 397 pp.
Radiative transfer equations, bio-optical modelling and phytoplankton pigment estimation in the Gulf of Aqaba (Eilat)
Sokoletsky, L., Dubinsky, Z., Shoshany, M., Stambler, N.

The Third Annual Conference on Active Research by Environmental Sciences Students CARESS '2001

Rehovot, Israel, 14 June, 2001. Poster presentation and abstract in Book of abstracts (p. 35)
Bio-optical investigations in the Gulf of Aqaba (Eilat): Forward optical problems
Sokoletsky, L.

Conference "Ocean Optics XV"

Monaco, 16-20 October, 2000. Poster presentation and paper (no. 1003, 9 pp.) in Conference Proceedings (Steven G. Ackleson, Ed.)
Non-meteorological predictive models of solar flux and atmospheric transmittance under weakly-varied climatic conditions
Sokoletsky, L., Dubinsky, Z., Shoshany, M., Stambler, N.

Symposium "Oceans from Space"

Venice, Italy, 9-13 October, 2000. Poster presentation and abstract (p. 196) in Book of abstract (V. Barale, J.F.R.Gower & L. Alberotanza, Eds.)
A single-wavelength algorithm for in situ or remote sensing estimation of mean pigment concentration
Sokoletsky, L., Dubinsky, Z., Shoshany, M., Stambler, N.

The 7th European Marine Microbiology Symposium (EMMS)

Noordwijkerhout, The Netherlands, 17-22 September, 2000. Contributed lecture and abstract (p. 38) in Book of Abstracts
Time-space structure of a microbial food web: Oligotrophic Gulf Eilat (Red Sea) simulation model
Kamenir, Y., Brenner, S., Dubinsky, Z., Haese, C., Iluz, D., Lazar, B., Al-Qutob, M., Sokoletsky, L., Stambler, N.

CANIGO Conference "The Marine System in the Canary-Azores-Gibraltar Region"

Las Palmas de Gran Canaria, Spain, 12-16 September, 1999. Poster presentation and abstract (pp. 27-28) in Book of Abstracts
The underwater light field in the Azora area: Spectral distribution, reflectance, fluctuations and light absorption by phytoplankton
Stambler, N., Belousov, V., Sokoletsky, L., Dubinsky, Z.

The 22nd General Assembly of the International Union of Geodesy and Geophysics (IUGG). IAPSO Symposium on Optical Oceanography & UV radiation (P15)

Birmingham, UK, 19-30 July, 1999. Poster presentation and abstract (p. 243) in Book of Abstracts. Week B (26-30 July, 1999)
Bio-optical modelling in the Gulf of Aqaba (Eilat)
Sokoletsky, L., Dubinsky, Z., Stambler, N., Iluz, D., Shoshany, M.

The 7th International Conference of the Israel Society for Ecology and Environmental Quality Sciences

Jerusalem, Israel, 13-18 June, 1999. Poster presentation and abstract (p. 147) in Book of Abstracts *Bio-optical algorithms for the in situ water quality monitoring: An estimation of chlorophyll a concentration*

Sokoletsky, L., Dubinsky, Z., Stambler, N., Iluz, D., Shoshany, M.

The Second Annual Conference on Active Research by Environmental Sciences Students CARESS '99

Rehovot, Israel, 27 May, 1999. Poster presentation and abstract (pp. 8-9) in Book of Abstracts *Estimation of phytoplankton chlorophyll concentration in the Gulf of Aqaba (Eilat) by spectral bio-optical methods*

Sokoletsky, L., Dubinsky, Z., Stambler, N., Shoshany, M., Iluz, D.

The Third General Assembly of the Multidisciplinary Regional, Red Sea Program on Marine Science

Bremen, Germany, 8-15 March, 1998. Poster presentation and abstract in Book of Abstracts *A simple optical method for the estimation of phytoplankton concentration in the Gulf of Aqaba (Eilat)*

Sokoletsky, L., Dubinsky, Z., Stambler, N.

The Third All-Union Conference of Young Research Scientists "Theoretical and Applied Optics"

Leningrad, USSR, 1988. Poster presentation and abstract in Book of Abstracts *Determination of the particle size distribution and scattering capacity of zinc sulfide by an optical methods (in Russian)*

Sokoletsky, L.G., Sofronov, V.G., Tarakanova, E.E., Bykova, N.R., Yagafarov, Sh.Sh.

All-Union Conference "New Possibilities of Diffractive, Spectroscopic and Electron-microscopic Methods of Studies at Solution of Scientific and Technological Problems in the Sphere of Physical Chemistry of Solids and Surfaces"

Moscow, USSR, 1987. Poster presentation and abstract in Book of Abstracts *Spectroturbidimetric methods of quality analysis of white pigments during their laboratory and industrial production (in Russian)*

Sokoletsky, L.G., Pilyavsky, V.P., Sofronov, V.G., Chuprik, V.F.

All-Union Conference "Inorganic Pigments and Fillers"

Cherkassy, USSR, 1984. Poster presentation and abstract in Book of Abstracts *Optical methods of dispersion composition determination for aqueous pastes of pigment titanium dioxide (in Russian)*

Sokoletsky, L.G., Evgrafova, L.G., Ryzhov, V.A., Pilyavsky, V.P.

All-Union Coordinating Conference "Water-Dispersion Paints and Varnishes"

Cherkassy, USSR, 21-23 October, 1981. Contributed lecture and abstract (pp. 48-49) in Book of Abstracts *Calculation of particle distribution parameters for water-dispersion film-forming polymers (in Russian)*

Sokoletsky, L.G., Evgrafova, L.G., Ryzhov, V.A., Pilyavsky, V.P.