

# Curriculum Vitae and List of Publications of Dr. Leonid Sokoletsky

## Personal Data

Place of Birth Leningrad (now: Saint-Petersburg), Russia  
Date of Birth January 1, 1957  
Family Status Married + 2 children  
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## Education, Certificates and Degrees

From-To	Institute	Area of Speciality	Degree
09/1996 – 06/2003	Bar-Ilan University (Ramat-Gan, Israel), Faculties of Life Sciences and Geography	Aquatic Ecology	Doctor of Philosophy
09/1985 – 06/1988	State Optical Institute (Leningrad, early Soviet Union)	Optics	Doctoral Fellowship
09/1975 – 06/1983	Leningrad Electrotechnical Engineering Institute (Leningrad, early Soviet Union); at present - Electrotechnical University of St. Petersburg (Russia)	Automatic Control Systems	B.Sc., M.Sc.
09/1972 – 06/1975	Instrument Making College (Leningrad, early Soviet Union)	Applied Mathematics	B.Sc.

## Recent Training Courses

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

March 19-22, 2000	Interuniversity Institute, Eilat, Israel	Ocean Optics workshop
July 1999 – August 1999	Cornell University – Shoals Marine Laboratory, Ithaca, New York, USA	Advanced Topics in Oceanography: Satellite Remote Sensing in Biological Oceanography (computer programs and data bases: SeaWiFS, SeaDAS, IDL)
March 10 – 23, 1996	Interuniversity Institute, Eilat, Israel	Red Sea Program Course
September 1993 – February 1994	Technological College, Beer-Sheva, Israel	Up-to-date Technologies for the Computer Programmers (MSDOS, WINDOWS, UNIX, C/C++, WORD, EXCEL, MAGIC)
February 1993	Moscow ORT Resource Center, Leningrad, early Soviet Union	Graphic Environment Microsoft Windows and Applications

### Positions Held

<b>From-To</b>	<b>Institute, Laboratory, Place</b>	<b>Research Area</b>	<b>Position</b>
01/2007 – 01/2010	U.S. Environmental Protection Agency, National Exposure Research Laboratory, Research Triangle Park, USA	Atmospheric correction and satellite water quality monitoring for Albemarle-Pamlico Estuary System (APES)	Research Associate, under the supervision of Dr. Ross S. Lunetta
05/2005 – 04/2006	The Weizmann Institute of Science, Department of Environmental Sciences & Energy Research, Rehovot, Israel	Optical geochemistry studies in the hypersaline Dead Sea	Postdoctoral Fellow, under the supervision of Dr. Hezi Gildor

06/2003 – 05/2005	Israel Oceanographic and Limnological Research Ltd., The Yigal Allon Kinneret Limnological Laboratory, Migdal, Israel	Optical models of inland waters and their application for remote assessment of Lake Kinneret water quality	Postdoctoral Fellow, under the supervision of Dr. Yosef Yacobi
09/1999 – 06/2002	Bar-Ilan University, Computer Laboratory, Departments of Biology and Chemistry, Israel	Providing assistance to students in performing their assignments	Personal Computers Instructor, under the supervisor of Dr. Moshe Ben- Tzion
05/1994 – 04/1995	Ben-Gurion University – The Jacob Blaustein Institute for Desert Research, Remote Sensing Laboratory, Sede-Boker, Israel	Optical models of inland waters and their application for remote assessment of Lake Kinneret water quality	Research Fellow, under the supervision of Dr. Anatoly Gitelson
12/1979 – 12/1989	Leningrad Research Institute at Scientific-Industrial Association “Pigment”, Laboratory of Mathematical Modelling, Leningrad, early Soviet Union	Mathematical modelling 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	Senior Technician; Engineer; Research Fellow, under the supervision of Dr. Valery Pilyavsky

### **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

Date	Event
2009	The honorable mention of the Networking and Leadership Training Organization (NLTO)
2007 – 2010	Postdoctoral fellowship awarded by the U.S. National Research Council of the National Academies
2007	Listed in 2006-2007 Edition of "Who's Who in Science and Engineering"
2005 – 2006	Postdoctoral fellowship awarded by the Feinberg Graduate School of the Weizmann Institute of Science
2004 – 2005, 2008 –	Membership in the Optical Society of America (OSA)
2004 – 2006, 2009 –	Membership in the American Geophysical Union (AGU)
2003 – 2005	Postdoctoral scholarship granted by the Admiral Yohai Ben-Nun Foundation for Marine and Freshwater Research
2002 – 2005	Membership in the American Society of Limnology and Oceanography (ASLO)
2000 – 2005	Membership in the European Society of Limnology and Oceanography (ESLO)
1988	The second prize of the 3rd All-Union Conference of Young Research Scientists "Theoretical and Applied Optics"
1981 - 1984	Participating and awarding of different prizes in Annual Conferences of Young Research Scientists of Scientific-Industrial Association "Pigment" and Leningrad Technological Institute

## 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. G.**, R. S. Lunetta, M. S. Wetz, and H. W. Paerl. Assessment of the water quality components in turbid estuarine waters based on radiative transfer approximations (submitted to *International Journal of Remote Sensing*).

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 *International Journal of Remote Sensing*).
4. 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).
5. 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).
6. **Sokoletsky, L.** A comparative analysis of selected radiative transfer approaches for aquatic environments. *Applied Optics*. **44**(1): 136-148 (2005).
7. **Sokoletsky, L.**, Z. Dubinsky, M. Shoshany, and N. Stambler. Single-wavelength algorithms for *in situ* or remote sensing estimation of mean pigment concentration. *International Journal of Remote Sensing*. **25**(7-8): 1517-1525 (2004).
8. **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).
9. **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. *International Journal of Remote Sensing*. **24**(24): 5049-5073 (2003).
10. **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.
11. 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.
12. **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).

13. **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).
14. **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.
15. 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.
16. **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.
17. **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.
18. **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.
19. **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

Conference	Place and Date	Title of Contribution	Authors
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	<b>Sokoletsky, L.G.</b> , 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	<b>Sokoletsky, L.G.</b> , 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	<b>Sokoletsky, L.</b> , 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	<b>Sokoletsky, L.</b> , 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	<b>Sokoletsky, L.G.</b> , 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	<b>Sokoletsky, L.</b> , Gildor, H., Boss, E.



European Geosciences Union General Assembly 2006	Vienna, Austria, 2-7 April, 2006. Poster presentation and abstract in <i>Geophysical Research Abstracts</i> , <b>8</b> , 05978, 2006	Spectral diffuse reflectance of the Dead Sea	<b>Sokoletsky, L.</b> , 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	<b>Sokoletsky, L.</b> , 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	<b>Sokoletsky, L.G.</b> , 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 <i>a</i> concentration from reflectance spectra in highly turbid waters	<b>Sokoletsky, L.G.</b> , 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 <i>a</i> concentration from reflectance spectra in natural waters: Analytical approach	<b>Sokoletsky, L.G.</b> , 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	<b>Sokoletsky, L.,</b> 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 <i>in situ</i> monitoring and remote-sensing derived data from the past two decades	Dadashev, A., Blumberg, D.G., Dubinsky, Z., Iluz, D., <b>Sokoletsky, L.,</b> Yacobi, Y.Z.
II Plankton Symposium	Vigo, Spain, 16-19 October, 2003. Contributed lecture	A review of chlorophyll <i>a</i> concentration in the Gulf of Eilat (Aqaba) open waters by <i>in situ</i> monitoring and remote-sensing derived data from the past two decades	Dadashev, A., Blumberg, D.G., Iluz, D., <b>Sokoletsky, L.,</b> 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.	<i>In situ</i> determination of inherent optical properties by absorption and attenuation meters: Towards an optimal instrument	<b>Sokoletsky, L.</b>
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 <i>in situ</i> measurements of the inherent optical properties of natural waters?	<b>Sokoletsky, L.</b>

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	<b>Sokoletsky, L.</b> , Dubinsky, Z., Shoshany, M., Stambler, N.
The Interuniversity Institute for Marine Sciences 33 <sup>rd</sup> Anniversary Conference	Eilat, Israel, 21-25 October, 2001. Poster presentation and abstract in Book of abstracts (pp. 86-87)	Modelling of planktonic communities of the Gulf of Eilat	Kamenir, Y., Brenner, S., Dubinsky, Z., Haese, C., Iluz, D., Lazar, B., Al Qutob, M., <b>Sokoletsky, L.</b> , Stambler, N.
The Interuniversity Institute for Marine Sciences 33 <sup>rd</sup> Anniversary Conference	Eilat, Israel, 21-25 October, 2001. Poster presentation and abstract in Book of abstracts (pp. 138-139)	Radiative transfer theory, bio-optical modelling and chlorophyll: How they interact in the Gulf of Aqaba (Eilat)?	<b>Sokoletsky, L.</b>
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)	<b>Sokoletsky, L.</b> , 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	<b>Sokoletsky, L.</b>
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	<b>Sokoletsky, L.</b> , 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 <i>in situ</i> or remote sensing estimation of mean pigment concentration	<b>Sokoletsky, L.</b> , Dubinsky, Z., Shoshany, M., Stambler, N.
The 7 <sup>th</sup> 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., <b>Sokoletsky, L.</b> , 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., <b>Sokoletsky, L.</b> , Dubinsky, Z.
The 22 <sup>nd</sup> 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)	<b>Sokoletsky, L.</b> , Dubinsky, Z., Stambler, N., Iluz, D., Shoshany, M.
The 7 <sup>th</sup> 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 <i>in situ</i> water quality monitoring: An estimation of chlorophyll <i>a</i> concentration	<b>Sokoletsky, L.</b> , 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	<b>Sokoletsky, L.</b> , 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)	<b>Sokoletsky, L.</b> , 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)	<b>Sokoletsky, L.G.</b> , 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).	<b>Sokoletsky, L.G.</b> , 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)	<b>Sokoletsky, L.G.</b> , 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)	<b>Sokoletsky, L.G.</b> , Evgrafova, L.G., Ryzhov, V.A., Pilyavsky, V.P.