

Nikolay Nezlin

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AREA OF EXPERTISE

My interests and areas of expertise are statistical analysis and visualization of remotely sensed, oceanographic and Earth science data. I actively collaborate with researchers across multiple disciplines including ocean and land ecology and geomorphology. My recent work was focused on:

- processing and analysis of satellite imagery over coastal water and land areas
- statistical analysis of environmental datasets, including machine learning modeling
- detecting climatic trends in coastal and inland waters (acidification, eutrophication, shoreline erosion)
- detecting the impact of stormwater and effluent plumes on coastal ocean
- creating interactive tools for data visualization and statistical analysis

EDUCATION

Ph.D. in Biological Oceanography (1983)

P.P. Shirshov Institute of Oceanology, Moscow, Russia

Specialization: Marine phytoplankton, Computer methods of data analysis

Dissertation title: *Structural and functional characteristics of coastal phytoplankton in the Black Sea*

Advisors: *O. J. Koblentz-Mishke* and *V. P. Keondjan*

M.S. in Oceanography (1981)

P.P. Shirshov Institute of Oceanology, Moscow, Russia

Specialization: Marine biology, Oceanography

Advisor: *O. J. Koblentz-Mishke*

B.S. in Zoology (1977)

Moscow State University, Moscow, Russia

Specialization: Zoology of invertebrates

Dissertation title: *Diurnal vertical migrations of zooplankton in the Sea of Japan*

Advisor: *K. V. Beklemishev*

PROFESSIONAL EXPERIENCE

Scientist, Global Science & Technology, Inc. (GST), Greenbelt, MD (October 2020 – June 2025)

At GST, my work was focused on using the imagery collected by the Earth-observing satellites for the analysis of shoreline changes and water quality in the nearshore ocean and inland waters. I collaborated with the scientists affiliated with the National Oceanic and Atmospheric Administration (NOAA) Satellite Oceanography and Climatology Division (SOCD).

Physical Oceanographer, RBR Ltd., Ottawa, ON, Canada (January 2019 - June 2020)

RBR Ltd is a company producing instruments measuring ocean water properties. The focus of my work was the analysis of the accuracy and stability of these instruments, primarily installed on Argo floats.

Oceanographer and Data Scientist, Southern California Coastal Water Research Project (SCCWRP), Costa Mesa, CA (September 2002 – November 2018)

SCCWRP is a joint powers agency that bridges science, policy and implementation. I participated in multiple projects, studying the impact of stormwater and wastewater discharge on nearshore ecosystem from satellite imagery, estimating river flow from precipitation, analyzing the accuracy of oceanographic measurements, interannual trends of chlorophyll biomass and vertical structure and processing aerial imagery over coastal land and ocean.

Consultant, Kuwait Institute of Scientific Research, Kuwait City, Kuwait (October 2012 – December 2012)

I collaborated with local colleagues in using new computational approaches for the analysis of oceanographic data.

Visiting Professor/Researcher/Lecturer, Institute of the Environment, University of California, Los Angeles, CA (November 2000 – June 2009)

I was analyzing different kinds of satellite data studying the effect of 1997–1998 El Niño along the California coast and lecturing the course ENV184 “*The Basics of Satellite Oceanography*” for undergraduate students.

Visiting Scientist, Memorial University of Newfoundland. St. John's, NL, Canada (November 1999 – December 1999)

I was studying seasonal dynamics of the patterns of surface chlorophyll and physical environment in the Newfoundland region based on satellite imagery of ocean color, infrared and altimetry.

Junior Researcher/Researcher/Senior Researcher, P.P. Shirshov Institute of Oceanology of the Russian Academy of Sciences. Moscow, Russia (September 1980 – December 2002)

I was analyzing physical, chemical and biological data collected in different regions of the World Ocean, participated in 14 marine expeditions of 2-4 month each, where I worked on computer analysis and visualization of collected data.

Technician/Junior Researcher/Engineer, Institute of Higher Nervous Activity of Russian Academy of Sciences. Moscow, Russia (October 1978 – August 1980)

I worked in computer center writing computer codes for statistical analysis of the results of experiments.

Technician, Moscow State University, Biological Department. Moscow, Russia (June 1978 – August 1978)

I was studying algae of glaciers in the Caucasus Mountains.

Technician, Institute of Higher Nervous Activity of Russian Academy of Sciences. Moscow, Russia (December 1977 – May 1978)

Assisting in computer analysis of experimental results.

SOFTWARE SKILLS

- Python (including Jupyter Notebooks, statistical analysis, machine learning, visualization and web tools, spatial and time series analysis)
- MATLAB, R, Java, SQL, IDL, C++, Visual Basic, Fortran
- Code versioning soft (Git)
- Geographical Information Systems (ESRI ArcGIS, QGIS)
- Pix4D (drone mapping and photogrammetry software)
- Soft for remote work (GitHub, Dropbox, Jira, Wiki, Slack, Zoom)

RESEARCH PUBLICATIONS in PEER-REVIEW JOURNALS

1. **Nezlin, N.P.**, S.-H. Son, S.I. Salem, M.E. Ondrusek, 2025. Chlorophyll-a in the Chesapeake Bay estimated by Extra-Trees Machine Learning modeling. *Remote Sensing*, **17**, 2151. DOI: 10.3390/rs17132151
2. Son, S.-H., **N. P. Nezlin**, V.P. Lance, 2025. Assessing water clarity in the Chesapeake Bay using satellite-derived secchi disk depth. *International Journal of Applied Earth Observation and Geoinformation*, **140**, 104574, DOI: 10.1016/j.jag.2025.104574.
3. **Nezlin, N.P.**, S.-H. Son, C.W. Brown, P. Dash, C.E. Binding, A. K. Elgin, A. VanderWoude, 2025. Regime shifts in satellite-derived chlorophyll within the Laurentian Great Lakes. *Journal of Great Lakes Research*, **51 (3)**, 102573, DOI: 10.1016/j.jglr.2025.102573
4. Coffer, M. M., **N. P. Nezlin**, N. Bartlett, T. Pasakarnis, T. N. Lewis, and P. M. DiGiacomo, 2024. Satellite imagery as a management tool for monitoring water clarity across freshwater ponds on Cape Cod, Massachusetts. *Journal of Environmental Management*, **355**, 120334, DOI: 10.1016/j.jenvman.2024.120334
5. **Nezlin, N.P.**, J. D. Herman, J. Hodge, S. Sagar, R. Bishop-Taylor, G. Zheng, P. M. DiGiacomo. 2023. Assessment of changes of complex shoreline from medium-resolution satellite imagery. *Estuaries and Coasts*, 46, 1723–1739, DOI:10.1007/s12237-023-01259-x

6. **Nezlin, N.P.**, J.M. Testa, G. Zheng, P.M. DiGiacomo. 2022. Satellite observations estimating the effects of river discharge and wind-driven upwelling on phytoplankton dynamics in the Chesapeake Bay. *Integrated Environmental Assessment and Management*, 18 (4): 921-938, DOI: 10.1002/ieam.4597
7. McLaughlin, K., M.D.A. Howard, G.L. Robertson, C.D.A. Beck; M. Ho, F. Kessouri, **N.P. Nezlin**, M. Sutula, S.B. Weisberg. 2021. Influence of anthropogenic nutrient inputs on rates of coastal ocean nitrogen and carbon cycling in the Southern California Bight, United States. *Elementa: Science of the Anthropocene* 9(1): 00145. DOI: 10.1525/elementa.2020.00145
8. **Nezlin, N.P.**, M. Dever, M. Halverson, J.-M. Leconte, G. Maze, C. Richards, I. Shkvorets, R. Zhang, G. Johnson. 2020. Accuracy and long-term stability assessment of inductive conductivity cell measurements on Argo floats. *Journal of Atmospheric and Oceanic Technology* 37(12): 2209–2223. DOI: 10.1175/JTECH-D-20-0058.1
9. Bednaršek, N., R.A. Feely, M.W. Beck, S.R. Alin, S.A. Siedlecki, P. Calosi, E.L. Norton, C. Saenger, J. Štrus, D. Greeley, **N.P. Nezlin**, M. Roethler, J.I. Spicer. 2020. Exoskeleton dissolution with mechanoreceptor damage in larval Dungeness crab related to severity of present-day ocean acidification vertical gradients. *Science of the Total Environment* 716: 136610. DOI: 10.1016/j.scitotenv.2020.136610
10. **Nezlin, N.P.**, C. Beegan, A. Feit, J.R. Gully, A. Latker, K. McLaughlin, M.J. Mengel, G.L. Robertson, A. Steele, S.B. Weisberg. 2020. Colored Dissolved Organic Matter (CDOM) as a tracer of effluent plumes in the coastal ocean. *Regional Studies in Marine Science* 35: 101163. DOI: 10.1016/j.rsma.2020.101163
11. Bednaršek, N., R.A. Feely, E.L. Howes, B.P.V. Hunt, F. Kessouri, P. León, S. Lischka, A.E. Maas, K. McLaughlin, **N.P. Nezlin**, M. Sutula, S.B. Weisberg. 2019. Systematic review and meta-analysis toward synthesis of thresholds of ocean acidification impacts on calcifying pteropods and interactions with warming. *Frontiers in Marine Science* 6: 227. DOI: 10.3389/fmars.2019.00227
12. McLaughlin, K., **N.P. Nezlin**, S.B. Weisberg, A.G. Dickson, J.A. Booth, C.L. Cash, A. Feit, J.R. Gully, M.D.A. Howard, S. Johnson, A. Latker, M.J. Mengel, G.L. Robertson, A. Steele, L. Terriquez. 2018. Seasonal patterns in aragonite saturation state on the southern California continental shelf. *Continental Shelf Research* 167: 77-86. DOI: 10.1016/j.csr.2018.07.009
13. **Nezlin, N.P.**, McLaughlin, K., J.A. Booth, C.L. Cash, D.W. Diehl, K.A. Davis, A. Feit, R. Goericke, J.R. Gully, M.D.A. Howard, S. Johnson, A. Latker, M.J. Mengel, G.L. Robertson, A. Steele, L. Terriquez, L. Washburn, S.B. Weisberg. 2018. Spatial and temporal patterns of chlorophyll concentration in the Southern California Bight. *Journal of Geophysical Research: Oceans* 123(1): 231-245. DOI: 10.1002/2017JC013324
14. McLaughlin, K., **N.P. Nezlin**, S.B. Weisberg, A.G. Dickson, J.A. Booth, C.L. Cash, A. Feit, J.R. Gully, S. Johnson, A. Latker, M.J. Mengel, G.L. Robertson, A. Steele, L. Terriquez. 2017. An evaluation of potentiometric pH sensors in coastal monitoring applications. *Limnology and Oceanography: Methods* 15(8): 679–689. DOI: 10.1002/lom3.10191

15. McLaughlin, K., **N.P. Nezlin**, M.D.A. Howard, C.D.A. Beck, R.M. Kudela, M.J. Mengel, G.L. Robertson. 2017. Rapid nitrification of wastewater ammonium near coastal ocean outfalls, Southern California, USA. *Estuarine, Coastal and Shelf Science* 186(Part B): 263-275. DOI:10.1016/j.ecss.2016.05.013
16. **Nezlin, N.P.**, J.A.T. Booth, C. Beegan, C.L. Cash, J.R. Gully, A. Latker, M.J. Mengel, G.L. Robertson, A. Steele, S.B. Weisberg. 2016. Assessment of wastewater impact on dissolved oxygen around southern California's submerged ocean outfalls. *Regional Studies in Marine Science* 7: 177–184. DOI:10.1016/j.rsma.2016.03.016
17. Panteleev, G., V. Luchin, **N.P. Nezlin**, T. Kikuchi. 2013. Seasonal climatologies of oxygen and phosphates in the Bering Sea reconstructed by variational data assimilation approach. *Polar Science* 7(3-4): 214-232. DOI:10.1016/j.polar.2013.10.001
18. **Nezlin, N.P.**, M.A. Sutula, R.P. Stumpf, A. Sengupta. 2012. Phytoplankton blooms detected by SeaWiFS along the central and southern California coast. *Journal of Geophysical Research-Oceans* 117(C7):C07004. DOI:10.1029/2011JC007773
19. Piontkovski, S.A., **N.P. Nezlin**, A. Al-Azri, K. Al-Hashmi. 2012. Mesoscale eddies and variability of chlorophyll-a in the Sea of Oman. *International Journal of Remote Sensing* 33(17):5341-5346. DOI:10.1080/01431161.2012.661096
20. Svejksky, J., **N.P. Nezlin**, N.M. Mustain, J.B. Kum. 2010. Tracking storm water discharge plumes and water quality of the Tijuana River with multispectral aerial imagery. *Estuarine, Coastal and Shelf Science* 87(3):387-398. DOI:10.1016/j.ecss.2010.01.022
21. **Nezlin, N.P.**, I.G. Polikarpov, F. Al-Yamani, D.V. Subba Rao, A.M. Ignatov. 2010. Satellite monitoring of climatic factors regulating phytoplankton variability in the Arabian (Persian) Gulf. *Journal of Marine Systems* 82(1-2):47-60. DOI:10.1016/j.jmarsys.2010.03.003
22. Reifel, K.M., S.C. Johnson, P.M. DiGiacomo, M.J. Mengel, **N.P. Nezlin**, J.A. Warrick, B.H. Jones. 2009. Impacts of stormwater runoff in the Southern California Bight: Relationships among plume constituents. *Continental Shelf Research* 29(15):1821-1835. DOI:10.1016/j.csr.2009.06.011
23. **Nezlin, N.P.**, K. Kamer, J. Hyde, E.D. Stein. 2009. Dissolved oxygen dynamics in an eutrophic estuary, Upper Newport Bay, California. *Estuarine, Coastal and Shelf Science* 82(1):139-151. DOI:10.1016/j.ecss.2009.01.004
24. **Nezlin, N.P.**, P.M. DiGiacomo, D.W. Diehl, B.H. Jones, S.C. Johnson, M.J. Mengel, K.M. Reifel, J.A. Warrick, M. Wang. 2008. Stormwater plume detection by MODIS imagery in the southern California coastal ocean. *Estuarine, Coastal and Shelf Science* 80(1):141-152. DOI:10.1016/j.ecss.2008.07.012
25. **Nezlin, N.P.**, K. Kamer, E.D. Stein. 2007. Application of color infrared aerial photography to assess macroalgal distribution in an eutrophic estuary, Upper Newport Bay, California. *Estuaries and Coasts* 30(5): 855-868. DOI:10.1007/BF02841339

26. Warrick, J.A., P.M. DiGiacomo, S.B. Weisberg, **N.P. Nezlin**, M. Mengel, B.H. Jones, J.C. Ohlmann, L. Washburn, E.J. Terrill, K.L. Farnsworth. 2007. River plume patterns and dynamics within the Southern California Bight. *Continental Shelf Research* 27(19):2427-2448. DOI:10.1016/j.csr.2007.06.015
27. Morozov, A.Y., S.V. Petrovskii, **N.P. Nezlin**. 2007. Towards resolving the paradox of enrichment: The impact of zooplankton vertical migrations on plankton systems stability. *Journal of Theoretical Biology* 248(3):501-511. DOI:10.1016/j.jtbi.2007.05.028
28. **Nezlin, N.P.**, S.B. Weisberg, D.W. Diehl. 2007. Relative availability of satellite imagery and ship sampling for assessment of stormwater runoff plumes in coastal southern California. *Estuarine, Coastal and Shelf Science* 71(1-2):250-258. DOI:10.1016/j.ecss.2006.07.016
29. Zeidberg, L.D., W.M. Hamner, **N.P. Nezlin**, A. Henry. 2006. The fishery for California market squid (*Loligo opalescens*) (Cephalopoda: Myopsida), from 1981 through 2003. *Fishery Bulletin* 104(1):46-59.
30. Caldeira, R.M.A., P. Marchesiello, **N.P. Nezlin**, P.M. DiGiacomo, J.C. McWilliams. 2005. Island wakes in the Southern California Bight. *Journal of Geophysical Research-Oceans* 110(C11):C11012. DOI:10.1029/2004JC002675
31. **Nezlin, N.P.**, P.M. DiGiacomo, E.D. Stein, D. Ackerman. 2005. Stormwater runoff plumes observed by SeaWiFS radiometer in the Southern California Bight. *Remote Sensing of Environment* 98(4):494-510. DOI:10.1016/j.rse.2005.08.008
32. **Nezlin, N.P.**, P.M. DiGiacomo. 2005. Satellite ocean color observations of stormwater runoff plumes along the San Pedro Shelf (southern California) during 1997 to 2003. *Continental Shelf Research* 25(14):1692-1711. DOI:10.1016/j.csr.2005.05.001
33. Ahn, J.H., S.B. Grant, C.Q. Surbeck, P.M. DiGiacomo, **N.P. Nezlin**, S. Jiang. 2005. Coastal water quality impact of stormwater runoff from an urban watershed in southern California. *Environmental Science & Technology* 39(16):5940-5953. DOI:10.1021/es0501464
34. **Nezlin, N.P.**, E.D. Stein. 2005. Spatial and temporal patterns of remote-sensed and field-measured rainfall in southern California. *Remote Sensing of Environment* 96(2):228-245. DOI:10.1016/j.rse.2005.02.005
35. Morozov, A.Y., **N.P. Nezlin**, S.V. Petrovskii. 2005. Invasion of a top predator into epipelagic ecosystem can bring a paradoxical top-down trophic control. *Biological Invasions* 7(5):845-861. DOI:10.1007/s10530-005-5213-y
36. **Nezlin, N.P.**, A.G. Kostianoy, B.L. Li. 2005. Inter-annual variability and interaction of remote-sensed vegetation index and atmospheric precipitation in the Aral Sea region. *Journal of Arid Environments* 62(4):677-700. DOI:10.1016/j.jaridenv.2005.01.015
37. **Nezlin, N.P.**, J.J. Oram, P.M. DiGiacomo, N. Gruber. 2004. Subseasonal to interannual variations of sea surface temperature, salinity, oxygen anomaly, and transmissivity in Santa

Monica Bay, California from 1987 to 1997. *Continental Shelf Research* 24(10):1053-1082. DOI:10.1016/j.csr.2004.03.012

38. **Nezlin, N.P.**, G. Lacroix, A.G. Kostianoy, S. Djenidi. 2004. Remotely sensed seasonal dynamics of phytoplankton in the Ligurian Sea in 1997-1999. *Journal of Geophysical Research-Oceans* 109(C07):C07013. DOI:10.1029/2000JC000628
39. **Nezlin, N.P.**, A.G. Kostianoy, S.A. Lebedev. 2004. Interannual variations of the discharge of Amu Darya and Syr Darya estimated from global atmospheric precipitation. *Journal of Marine Systems* 47(1-4):67-75. DOI:10.1016/j.jmarsys.2003.12.009
40. Gregoire, M., K. Soetaert, **N.P. Nezlin**, A. Kostianoy. 2004. Modeling the nitrogen cycling and plankton productivity in the Black Sea using a three-dimensional interdisciplinary model. *Journal of Geophysical Research-Oceans* 109(C05):C05007. DOI:10.1029/2001JC001014
41. **Nezlin, N.P.**, B.L. Li. 2003. Time-series analysis of remote-sensed chlorophyll and environmental factors in the Santa Monica-San Pedro Basin off Southern California. *Journal of Marine Systems* 39(3-4):185-202. DOI:10.1016/S0924-7963(03)00030-7
42. **Nezlin, N.P.**, J.C. McWilliams. 2003. Satellite data, empirical orthogonal functions, and the 1997-1998 El Niño off California. *Remote Sensing of Environment* 84(2):234-254. DOI:10.1016/S0034-4257(02)00109-8
43. Ginzburg, A.I., A.G. Kostianoy, **N.P. Nezlin**, D.M. Soloviev, S.V. Stanichny. 2002. Anticyclonic eddies in the northwestern Black Sea. *Journal of Marine Systems* 32(1-3):91-106. DOI:10.1016/S0924-7963(02)00035-0
44. Ginzburg, A.I., A.G. Kostianoy, V.G. Krivosheya, **N.P. Nezlin**, D.M. Soloviev, S.V. Stanichny, V.G. Yakubenko. 2002. Mesoscale eddies and related processes in the northeastern Black Sea. *Journal of Marine Systems* 32(1-3):71-90. DOI:10.1016/S0924-7963(02)00030-1
45. **Nezlin, N.P.**, Y.D. Afanasyev, A.I. Ginzburg, A.G. Kostianoy. 2002. Remotely sensed studies of phytoplankton dynamics under physical forcing in different ocean regions. *Advances in Space Research* 29(1):99-106. DOI:10.1016/S0273-1177(01)00222-8
46. Caldeira, R.M.A., S. Groom, P. Miller, D. Pilgrim, **N.P. Nezlin**. 2002. Sea-surface signatures of the island mass effect phenomena around Madeira Island, Northeast Atlantic. *Remote Sensing of Environment* 80(2):336-360. DOI:10.1016/S0034-4257(01)00316-9
47. Afanasyev, Y.D., **N.P. Nezlin**, A.G. Kostianoy. 2001. Patterns of seasonal dynamics of remotely sensed chlorophyll in the Newfoundland Region. *Remote Sensing of Environment* 76(2):268-282. DOI:10.1016/S0034-4257(00)00209-1
48. **Nezlin, N.P.**, A.G. Kostianoy, M. Gregoire. 1999. Patterns of seasonal and interannual changes of surface chlorophyll concentration in the Black Sea revealed from the remote

sensed data. *Remote Sensing of Environment* 69(1):43-55. DOI:10.1016/S0034-4257(99)00007-3

49. Vinogradov, M.E., E.A. Shushkina, **N.P. Nezlin**, G.N. Arnautov. 1998. Vertical distribution of zooplankton in the frontal zone of Gulf Stream and Labrador Current. *Journal of Plankton Research* 20(1):85-103. DOI:10.1093/plankt/20.1.85
50. Vinogradov, M.E., E.A. Shushkina, V.I. Vedernikov, **N.P. Nezlin**, V.I. Gagarin. 1997. Primary production and plankton stocks in the Pacific Ocean and their seasonal variation according to remote sensing and field observations. *Deep-Sea Research II* 44(9-10):1979-2001. DOI:10.1016/S0967-0645(97)00086-6
51. Oguz, T., H. Ducklow, P. Malanotte-Rizzoli, S. Tugrul, **N.P. Nezlin**, U. Unluata. 1996. Simulation of annual plankton productivity cycle in the Black Sea by a one-dimensional physical-biological model. *Journal of Geophysical Research* 101(C7):16585-16599. DOI:10.1029/96JC00831

BOOK CHAPTERS

1. **Nezlin, N.P.** 2008. Seasonal and interannual variability of remotely sensed chlorophyll. pp. 333-349 in: A.G. Kostianoy and A.N. Kosarev (eds.), *The Black Sea Environment (The Handbook of Environmental Chemistry)*. Springer Verlag. Berlin, Germany. ISBN 978-3-540-74292-0
2. **Nezlin, N.P.** 2005. Patterns of seasonal and interannual variability of remotely sensed chlorophyll. pp. 143-157 in: A.G. Kostianoy and A.N. Kosarev (eds.), *The Caspian Sea Environment (The Handbook of Environmental Chemistry)*, Volume 5, Part P. Springer Verlag. Berlin, Germany. ISBN: 978-3-540-28281-5 (Print) 978-3-540-31505-6 (Online)
3. **Nezlin, N.P.** 2000. Remote-sensing studies of seasonal variations of surface chlorophyll-a concentration in the Black Sea. pp. 257-271 in: D. Halpern (ed.), *Satellites, Oceanography, and Society*. Elsevier Science. Amsterdam, The Netherlands. DOI:10.1016/S0422-9894(00)80015-X
4. Vinogradov, M.E., E.A. Shushkina, A.S. Mikaelyan, **N.P. Nezlin**. 1999. Temporal (seasonal and interannual) changes of ecosystem of the open waters of the Black Sea. pp. 109-129 in: S. Besiktepe, U. Unluata, and A.S. Bologa (eds.), *Environmental Degradation of the Black Sea: Challenges and Remedies*. NATO ASI Series. Kluwer Academic Publishers. Dordrecht, The Netherlands. ISBN: 978-0-7923-5676-9 (Print) 978-94-011-4568-8 (Online)
5. Sukhanova, I.N., O.V. Maksimova, **N.P. Nezlin**. 1999. Abundance and biomass of phytoplankton and chlorophyll concentration in eastern Mediterranean in late summer period. pp. 169-179 in: P. Malanotte-Rizzoli and V. N. Eremeev (eds.), *The Eastern Mediterranean as a Laboratory Basin for the Assessment of Contrasting Ecosystems*.

NATO ASI Series. Kluwer Academic Publishers. Dordrecht, The Netherlands. ISBN: 978-0-7923-5586-1 (Print) 978-94-011-4796-5 (Online)

6. **Nezlin, N.P.**, V.Y. Dyakonov. 1998. Seasonal and interannual variations of surface chlorophyll concentration in the Black Sea on CZCS data. pp. 137-150 in: L.I. Ivanov and T. Oguz (eds.), *Ecosystem Modeling as a Management Tool for the Black Sea*. Volume 1, NATO ASI Series. Kluwer Academic Publishers. Dordrecht, The Netherlands. ISBN 978-0-7923-5245-7
7. Vinogradov, M.E., E.A. Shushkina, L.P. Lebedeva, **N.P. Nezlin**. 1998. Structural and functional analysis of planktonic communities of the Black Sea. pp. 237-255 in: L.I. Ivanov and T. Oguz (eds.), *Ecosystem Modeling as a Management Tool for the Black Sea*. Volume 1, NATO ASI Series. Kluwer Academic Publishers. Dordrecht, The Netherlands. ISBN 978-0-7923-5245-7
8. Shushkina, E.A., M.E. Vinogradov, L.P. Lebedeva, T. Oguz, **N.P. Nezlin**, V.Y. Dyakonov, L.L. Anokhina. 1998. Studies of structural parameters of planktonic communities of the open part of the Black Sea relevant to ecosystem modeling. pp. 311-325 in: L.I. Ivanov and T. Oguz (eds.), *Ecosystem Modeling as a Management Tool for the Black Sea*. Volume 1, NATO ASI Series. Kluwer Academic Publishers. Dordrecht, The Netherlands. ISBN 978-0-7923-5245-7
9. Vinogradov, M.E., **N.P. Nezlin**, A.S. Mikaelyan. 1998. Ecosystems sustainability of open Black Sea regions. pp. 201-220 in: V. Kotlyakov, M. Uppenbrink, and V. Metreveli (eds.), *Conservation of the Biological Diversity as a Prerequisite for Sustainable Development in the Black Sea Region*. NATO ASI Series. Kluwer Academic Publishers. Dordrecht, The Netherlands. ISBN: 978-94-010-6149-0 (Print) 978-94-011-5114-6 (Online)
10. **Nezlin, N.P.** 1997. Seasonal variation of surface pigment distribution in the Black Sea on CZCS data. pp. 131-138 in: E. Ozsoy and A. Mikaelyan (eds.), *Sensitivity to Changes: Black Sea, Baltic Sea, and North Sea*. NATO ASI Series. Kluwer Academic Publishers. Dordrecht, The Netherlands. ISBN: 978-94-010-6429-3 (Print) 978-94-011-5758-2 (Online)

TECHNICAL REPORTS

1. McLaughlin, K., **N.P. Nezlin**, S.B. Weisberg, A.G. Dickson, J.A.T. Booth, C.L. Cash, A. Feit, J.R. Gully, M.D.A. Howard, S. Johnson, A. Latker, M.J. Mengel, G.L. Robertson, A. Steele, L. Terriquez. 2018. Seasonal patterns in aragonite saturation state on the southern California continental shelf. *Southern California Coastal Water Research Project Technical Report 1050*. Costa Mesa, CA.
2. **Nezlin, N.P.**, K. McLaughlin, J.A.T. Booth, C.L. Cash, D.W. Diehl, K. Davis, A. Feit, R. Goericke, J.R. Gully, M.D.A. Howard, S. Johnson, A. Latker, M.J. Mengel, G.L. Robertson,

- A. Steele, L. Terriquez, L. Washburn, S.B. Weisberg. 2017. Spatial and Temporal Patterns of Chlorophyll Concentration in the Southern California Bight. *Southern California Coastal Water Research Project Technical Report 0998*. Costa Mesa, CA.
3. Howard, M.D.A, G. Robertson, M. Sutula, B.H. Jones, **N.P. Nezlin**, Y. Chao, H. Frenzel, M.J. Mengel, D.A. Caron, B. Seegers, A. Sengupta, E. Seubert, D.W. Diehl, S.B. Weisberg. 2013. Southern California Bight 2008 Regional Monitoring Program: VII. Water Quality. *Southern California Coastal Water Research Project Technical Report 710*. Costa Mesa, CA.
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 8. Ackerman, D., **N.P. Nezlin**. 2009. Suspended particle dynamics in a southern California urban estuary during the dry season, pp. 97-108 in: K. Schiff and K. Miller (eds.), *Southern California Coastal Water Research Project 2009 Annual Report*. Costa Mesa, CA.
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15. **Nezlin, N.P.**, K. Kamer, E.D. Stein, A. Carr, J. Hyde. 2006. Relationship between dissolved oxygen and macroalgal distribution in Upper Newport Bay. *Southern California Coastal Water Research Project Technical Report 494*. Westminster, CA.
16. Zeidberg, L.D., W.M. Hamner, **N.P. Nezlin**, A. Henry. 2006. The fishery for California market squid (*Loligo opalescens*) (Cephalopoda: Myopsida), from 1981 through 2003. pp. 247-261 in: S.B. Weisberg and K. Miller (eds.), *Southern California Coastal Water Research Project 2005-2006 Annual Report*. Westminster, CA.
17. **Nezlin, N.P.**, P.M. DiGiacomo, E.D. Stein, D. Ackerman. 2006. Stormwater runoff plumes observed by SeaWiFS radiometer in the Southern California Bight. pp. 87-105 in: S.B. Weisberg and K. Miller (eds.), *Southern California Coastal Water Research Project 2005-2006 Annual Report*. Westminster, CA.
18. Caldeira, R.M.A., P. Marchesiello, **N.P. Nezlin**, P.M. DiGiacomo, J.C. McWilliams. 2005. Island wakes in the Southern California Bight. pp. 227-246 in: S.B. Weisberg and K. Miller (eds.), *Southern California Coastal Water Research Project 2005-2006 Annual Report*. Westminster, CA.
19. **Nezlin, N.P.**, P.M. DiGiacomo. 2004. Satellite ocean color observations of stormwater runoff plumes along the San Pedro Shelf (southern California) during 1997 to 2003. pp. 107-124 in: S.B. Weisberg and D. Elmore (eds.), *Southern California Coastal Water Research Project 2003-2004 Biennial Report*. Westminster, CA.
20. **Nezlin, N.P.**, E.D. Stein. 2004. Spatial and temporal patterns of remote-sensed and field-measured rainfall in southern California. pp. 220-236 in: S.B. Weisberg and D. Elmore (eds.), *Southern California Coastal Water Research Project 2003-2004 Biennial Report*. Westminster, CA.
21. **Nezlin, N.P.**, J.J. Oram, P.M. DiGiacomo, N. Gruber. 2004. Subseasonal to interannual variations of sea surface temperature, salinity, oxygen anomaly, and transmissivity in Santa Monica Bay, California from 1987 to 1997. pp. 238-263 in: S.B. Weisberg and D. Elmore

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22. **Nezlin, N.P.**, W.M. Hamner, L.D. Zeidberg. 2002. Remote-sensing analysis of the influence of 1997-1998 El Niño on the California pelagic ecosystem. pp. 284-301 in: S.B. Weisberg and D. Elmore (eds.), *Southern California Coastal Water Research Project 2001-2002 Biennial Report*. Westminster, CA.

CONFERENCE PRESENTATIONS

1. **Nezlin, N.P.**, J. D. Herman, J. Hodge, S. Sagar, R. Bishop-Taylor, G. Zheng, P. M. DiGiacomo. 2024. Assessment of changes of complex shoreline from medium-resolution satellite imagery. *2024 Ocean Sciences Meeting*. New Orleans, LA, USA
2. **Nezlin, N.P.**, M.M. Coffey, N. Bartlett, T. Pasakarnis, S.-H. Son, P.M. DiGiacomo. 2023. Interannual trends in water clarity in Cape Cod recreational ponds: Assessment from medium-resolution satellite imagery. *Fifth International Ocean Colour Science (IOCS) meeting*, St. Petersburg, FL, USA
3. **Nezlin, N.P.**, J.M. Testa, G. Zheng, P.M. DiGiacomo. 2022. Satellite observations estimating the effects of river discharge and wind-driven upwelling on phytoplankton dynamics in the Chesapeake Bay. *Frontiers in Hydrology*, San Juan, Puerto Rico
4. **Nezlin, N.P.**, J.M. Testa, G. Zheng, P.M. DiGiacomo. 2022. Satellite observations of phytoplankton growth associated with river discharge and wind-driven upwelling in the Chesapeake Bay. *2022 Ocean Sciences Meeting*. Honolulu, HI, USA (online)
5. **Nezlin, N.P.**, M. Halverson, J.-M. Leconte, I. Shkvorets, E. Siegel, R. Zhang, G. Johnson. 2020. Assessment of long-term stability of inductive conductivity sensors on Argo floats. *EGU2020*, Vienna, Austria (online)
6. **Nezlin, N.P.**, M. Halverson, J.-M. Leconte, E. Siegel, I. Shkvorets, G. Johnson. 2020. Long-term stability of salinity measurements by autonomous observing systems with RBR inductive conductivity sensors. *2020 Ocean Sciences Meeting*. San Diego, CA, USA
7. **Nezlin, N.P.**, K. McLaughlin, J.A. Booth, C.L. Cash, D.W. Diehl, K.A. Davis, A. Feit, R. Goericke, J.R. Gully, M.D.A. Howard, S. Johnson, A. Latker, M.J. Mengel, G.L. Robertson, A. Steele, L. Terriquez, L. Washburn, S.B. Weisberg. 2017. Spatial and temporal patterns of chlorophyll concentration in the Southern California Bight. *2018 Ocean Sciences Meeting*. Portland, OR, USA
8. **Nezlin, N.P.**, K. McLaughlin, J.A. Booth, C.L. Cash, D.W. Diehl, K.A. Davis, A. Feit, R. Goericke, J.R. Gully, M.D.A. Howard, S. Johnson, A. Latker, M.J. Mengel, G.L. Robertson, A. Steele, L. Terriquez, L. Washburn, S.B. Weisberg. 2017. Spatial and temporal patterns of chlorophyll concentration in the Southern California Bight. *64th Annual Eastern Pacific Ocean Conference*. Stanford Sierra Camp, Fallen Leaf Lake, South Lake Tahoe, CA, USA

9. **Nezlin, N.P.**, D.W. Diehl, A. Feit, M.D.A. Howard, K. McLaughlin, M.J. Mengel, V.E. Raco-Rands, G.L. Robertson, A. Steele, G. Welch. 2016. Effect of wastewater discharge on phytoplankton in southern California coastal ocean. *63rd Annual Eastern Pacific Ocean Conference*. Timberline Lodge, Mount Hood, OR, USA
10. **Nezlin, N.P.** 2016. Water quality monitoring around submerged wastewater outfalls in southern California: From compliance assessment to impact of climate change. *2016 Ocean Sciences Meeting*. New Orleans, LA, USA
11. McLaughlin, K., **N.P. Nezlin**, S.B. Weisberg. 2015. An evaluation of potentiometric pH sensors in coastal monitoring applications. *23rd Biennial Conference of the Coastal & Estuarine Research Federation*, Portland, OR, USA
12. **Nezlin, N.P.** 2015. Depth and magnitude of subsurface chlorophyll maximum in southern California coastal ocean. *62th Annual Eastern Pacific Ocean Conference*. Stanford Sierra Camp, Fallen Leaf Lake, South Lake Tahoe, CA, USA
13. **Nezlin, N.P.**, J.A. Booth, C. Beegan, C.L. Cash, J.R. Gully, M.J. Mengel, G.L. Robertson, A. Steele, S.B. Weisberg. 2014. Assessment of the impact of wastewater discharge on dissolved oxygen over the southern California shelf. *61st Annual Eastern Pacific Ocean Conference*. Timberline Lodge, Mount Hood, OR, USA
14. **Nezlin, N.P.**, J.A. Booth, C. Beegan, J.R. Gully, M.J. Mengel, G.L. Robertson, A. Steele, S.B. Weisberg. 2014. Impact of submerged wastewater effluent on dissolved oxygen: Assessment strategy. *2014 Ocean Sciences Meeting*. Honolulu, HI, USA
15. **Nezlin, N.P.**, J.R. Gully, M.J. Mengel, G.L. Robertson, A. Steele, S.B. Weisberg. 2013. CDOM as a tracer of effluent plumes for water quality compliance assessment around submerged ocean outfalls. *Association for the Sciences of Limnology and Oceanography (ASLO) 2013 Aquatic Sciences Meeting*. New Orleans, LA, USA
16. **Nezlin, N.P.**, M.A. Sutula, R.P. Stumpf and A. Sengupta. 2012. Upwelling-driven near-shore phytoplankton blooms in the Southern California Bight. *59th Annual Eastern Pacific Ocean Conference*. Timberline Lodge, Mount Hood, OR, USA
17. **Nezlin, N.P.**, M.A. Sutula, R.P. Stumpf and A. Sengupta. 2012. Factors driving phytoplankton blooms along the central and southern California coast. *2012 Ocean Sciences Meeting*. Salt Lake City, UT, USA
18. **Nezlin, N.P.** 2011. Colored Dissolved Organic Matter as a tracer of effluent plumes. *Fourth International Water Association (IWA) Specialty Conference on Natural Organic Matter: From Source to Tap and Beyond*. Costa Mesa, CA, USA
19. **Nezlin, N.P.**, D. Ackerman. 2011. Effect of coastal ocean on suspended particle dynamics in a southern California urban estuary during the dry season. *58th Annual Eastern Pacific Ocean Conference*. Stanford Sierra Camp, Fallen Leaf Lake, South Lake Tahoe, CA, USA

20. **Nezlin, N.P.** 2011. Effect of dust on the ocean color and ocean productivity. *Remote Sensing of Atmospheric Aerosols and Their Impacts. International Training Workshop*. Sharda University, India
21. **Nezlin, N.P.** 2011. Ocean color as a method of assessment of phytoplankton biomass and productivity. *Remote Sensing of Atmospheric Aerosols and Their Impacts. International Training Workshop*. Sharda University, India
22. Singh, R.P., **N.P. Nezlin**, R. Singh. 2010. Atmosphere-ocean coupling associated with 22–24 September, 2009 Australia Dust Event. *2010 Ocean Sciences Meeting*. Portland, OR, USA
23. Svejksky, J., **N.P. Nezlin**, N.M. Mustain, J.B. Kum. 2010. Tracking storm water discharge plumes and water quality of the Tijuana River with multispectral aerial imagery. *2010 Ocean Sciences Meeting*. Portland, OR, USA
24. **Nezlin, N.P.** 2010. Wastewater discharge plumes in the Southern California Bight. *2010 Ocean Sciences Meeting*. Portland, OR, USA
25. **Nezlin, N.P.**, K. Kamer, E.D. Stein, 2008. Macroalgal bloom, stratification, and hypoxia in the Upper Newport Bay, California. *California Estuarine Research Society (CAERS-2008)*. Ensenada, Baja California, Mexico
26. **Nezlin, N.P.**, P.M. DiGiacomo, B.H. Jones, R.P. Stumpf. 2008. Phytoplankton blooms in the central and southern California coastal zone: SeaWiFS ocean color data analysis. *55th Annual Eastern Pacific Ocean Conference*. Stanford Sierra Camp, Fallen Leaf Lake, South Lake Tahoe, CA, USA
27. **Nezlin, N.P.**, I.G. Polikarpov, F. Al-Yamani, D.V. Subba Rao, and A.M. Ignatov. 2008. Climatic cycles and local meteorological forcing regulating phytoplankton dynamics in the Arabian Gulf. *2008 Ocean Sciences Meeting*. Orlando, FL, USA
28. Jones, B. H., K.M. Reifel, **N.P. Nezlin**, P.M. DiGiacomo, S. Johnson. 2008. Tracking Stormwater Constituents in the Coastal Ocean – the Bight '03 Program. *2008 Ocean Sciences Meeting*. Orlando, FL, USA
29. **Nezlin, N.P.**, P.M. DiGiacomo, B.H. Jones, K.M. Reifel, J.A. Warrick, S.C. Johnson, M.J. Mengel. 2007. MODIS imagery as a tool for synoptic water quality assessments in the southern California coastal ocean. *AGU Joint Assembly*. Acapulco, Mexico
30. Stein, E.D., **N.P. Nezlin**, K. Kamer. 2007. Application of color infrared aerial photography to assess macroalgal distribution in an eutrophic estuary, Upper Newport Bay, California. *AGU Joint Assembly*. Acapulco, Mexico
31. **Nezlin, N.P.**, E.D. Stein, K. Kamer, A. Carr, J. Hyde, D. Shibberu. 2007. Macroalgal bloom and hypoxia in an eutrophic estuary, Upper Newport Bay, California. *54th Eastern Pacific Oceanographic Congress*. Sleeping Lady Mountain Retreat, Leavenworth, WA, USA

32. **Nezlin, N.P.**, I.G. Polikarpov, F. Al-Yamani. 2007. Chlorophyll distribution in the Arabian Gulf: spatial, seasonal and inter-annual variability. *The Arabian Seas International Conference on Science and Technology of Aquaculture, Fisheries and Oceanography*. Kuwait City, Kuwait
33. **Nezlin, N.P.**, P.M. DiGiacomo, B.H. Jones, K.M. Reifel, J.A. Warrick, S.C. Johnson, M.J. Mengel. 2007. MODIS imagery as a tool for water quality assessments in southern California coastal ocean. *SPIE Optics+Photonics. Optical Engineering and Applications*. San Diego, CA, USA
34. **Nezlin, N.P.**, P.M. DiGiacomo, B.H. Jones, K.M. Reifel, S.C. Johnson, M.J. Mengel, J.A. Warrick. 2007. MODIS imagery as a tool for synoptic water quality assessments in southern California coastal ocean. *Southern California Academy of Science (SCAS) Annual Meeting*. Fullerton, CA, USA
35. **Nezlin, N.P.** 2006. Stormwater runoff plumes in southern California from satellite data. *California and the World Ocean '06*. Long Beach, CA, USA
36. Deng, E.Y., C. Dong, **N.P. Nezlin**, J.C. McWilliams, K.D. Stolzenbach. 2006. Simulation of stormwater plumes in the Southern California Bight using the Regional Ocean Modeling System. *California and the World Ocean '06*. Long Beach, CA, USA
37. **Nezlin, N.P.**, P.M. DiGiacomo. 2006. Ocean-color satellite observations of stormwater plumes in southern California. *53rd Eastern Pacific Ocean Conference*. Timberline Lodge, Mount Hood, OR, USA
38. **Nezlin, N.P.** 2006. Remotely sensed observations of stormwater runoff plumes in southern California. *2006 Ocean Sciences Meeting*. Honolulu, HI, USA
39. Warrick, J.A., P.M. DiGiacomo, **N.P. Nezlin**, B.H. Jones. 2006. Dynamics of buoyant and hyperpycnal plumes offshore southern California rivers. *2006 Ocean Sciences Meeting*. Honolulu, HI, USA
40. **Nezlin, N.P.** 2006. Satellite view of stormwater runoff plumes in southern California. *Southern California Academy of Science (SCAS) Annual Meeting*. Pepperdine University, Malibu, CA, USA
41. **Nezlin, N.P.**, P.M. DiGiacomo, E.D. Stein, D. Ackerman. 2005. Stormwater runoff plumes observed by SeaWiFS radiometer in the Southern California Bight. *52nd Eastern Pacific Ocean Conference*. Stanford Sierra Camp, Fallen Leaf Lake, CA, USA
42. **Nezlin, N.P.**, E.D. Stein. 2005. Spatial and temporal patterns of remotely-sensed and field-measured rainfall in southern California. *AGU Joint Assembly*. New Orleans, LA, USA
43. Zeidberg, L.D. W.M. Hamner, **N.P. Nezlin**, A. Henry. 2004. The California market squid *Loligo opalescens* fishery 1981-2002. *2004 Ocean Sciences Meeting*. Honolulu, HI, USA

44. **Nezlin, N.P.** 2004. Impact of rainstorms on coastal water off southern California observed by SeaWiFS. *2004 Ocean Sciences Meeting*. Honolulu, HI, USA
45. **Nezlin, N.P.**, J.J. Oram, P.M. DiGiacomo, N. Gruber. 2003. Subseasonal to interannual variations of sea surface temperature, salinity, oxygen anomaly, and transmissivity in Santa Monica Bay, California from 1987 to 1997. *50th Eastern Pacific Ocean Conference*, Catalina Island, CA, USA
46. **Nezlin, N.P.**, A.G. Kostianoy, S.A. Lebedev. 2003. Interannual variations of the discharge of Amu-Darya and Syr-Darya estimated from global atmospheric precipitation. *35th International Liege Colloquium on Ocean Dynamics*. Liege, Belgium
47. **Nezlin, N.P.**, A.G. Kostianoy. 2003. Interannual variability and interaction of vegetation and atmospheric precipitation in the Aral Sea region. *35th International Liege Colloquium on Ocean Dynamics*. Liege, Belgium
48. **Nezlin, N.P.** 2002. The influence of El Niño 1997–1998 on the pelagic ecosystem off California from satellite data analysis. *California and the World Ocean '02*. Santa Barbara, CA, USA
49. Ginzburg A.I., A.G. Kostianoy, V.G. Krivosheya, **N.P. Nezlin**, D.M. Soloviev, S.V. Stanichny, V.G. Yakubenko. 2000. Mesoscale dynamics and related spatial distribution of chlorophyll "a" in the northeastern Black Sea in autumn 1997. *32-nd International Liege Colloquium on Ocean Hydrodynamics*. Liege, Belgium
50. **Nezlin, N.P.**, S. Djenidi, G. Lacroix, A.G. Kostianoy. 2000. Remotely sensed seasonal dynamics of chlorophyll "a" in Ligurian Sea in 1997–1999. *32-nd International Liege Colloquium on Ocean Hydrodynamics*. Liege, Belgium
51. Ginzburg A.I., A.G. Kostianoy, **N.P. Nezlin**, N.A. Sheremet. 2000. Seasonal and interannual sea surface temperature variability of the Black Sea (satellite data). *32-nd International Liege Colloquium on Ocean Hydrodynamics*. Liege, Belgium
52. **Nezlin, N.P.**, Ya.D. Afanassiev, A.G. Kostianoy. 2000. Seasonal dynamics of remotely sensed sea surface temperature and chlorophyll in the region of Newfoundland Bank in 1997–1999. *32-nd International Liege Colloquium on Ocean Hydrodynamics*. Liege, Belgium
53. **Nezlin, N.P.** 2000. Remotely sensed studies of phytoplankton dynamics under physical forcing in different ocean regions. *33rd COSPAR Scientific Assembly*. Warsaw, Poland
54. **Nezlin, N.P.** 1999. Variations of the Black Sea ecosystem measured from remote sensing. *The International Union of Geodesy and Geophysics (IUGG) XXII General Assembly*. Birmingham, United Kingdom
55. **Nezlin, N.P.** 1998. Remote sensed studies of seasonal and interannual variations of surface chlorophyll concentration in the Black Sea. *International Conference "Satellites, Ocean and Society"*. Lisbon, Portugal

56. Shushkina, E.A., M.E. Vinogradov, L.P. Lebedeva, T. Oguz, V.Yu. Dyakonov, **N.P. Nezlin**, L. L. Anokhina. 1997. Some results on structural parameters of plankton communities of the Black Sea Open Regions for Model Verification. *NATO TU Black Sea Assessment Workshop*. Crimea, Ukraine
57. Dyakonov, V.Yu., **N.P. Nezlin**, A.S. Mikaelyan ,A.L. Vereshchaka, V.I. Gagarin. 1997. Methodology of computer processing of the planktonic data. *NATO TU Black Sea Assessment Workshop*. Crimea, Ukraine
58. **Nezlin, N.P.**, V.Yu. Dyakonov. 1997. Seasonal and inter-annual variations of surface chlorophyll concentrations in the Black Sea inferred from the CZCS data. *NATO TU Black Sea Assessment Workshop*. Crimea, Ukraine
59. Oguz, T., H. Ducklow, E.A. Shushkina, P.Malanotte-Rizzoli, L.P. Lebedeva, **N.P. Nezlin**. 1997. A vertically-resolved physical-biological model of plankton productivity and nitrogen cycling in the Black Sea. *NATO TU Black Sea Assessment Workshop*. Crimea, Ukraine
60. Vinogradov, M.E., L.P. Lebedeva, E.A. Shushkina, **N.P. Nezlin**. 1997. Structural and functional analysis of the Black Sea ecosystem. *NATO TU Black Sea Assessment Workshop*. Crimea, Ukraine
61. Vinogradov, M.E., **N.P. Nezlin**, A.S. Mikaelyan. 1996. Ecosystems sustainability of open Black Sea regions. *International NATO Advanced Research Workshop "Conservation of the Biological Diversity as a Prerequisite for Sustainable Development of the Black Sea Region"*. Batumi-Kobuleti, Georgia
62. **Nezlin, N.P.** 1995. Seasonal variation of the surface pigment distribution in the Black Sea based on CZCS data. *NATO Advanced Research Workshop "Sensitivity of North Sea, Baltic Sea and Black Sea to Anthropogenic and Climatic Changes"*. Varna, Bulgaria
63. **N.P. Nezlin**. 1995. Primary production and plankton stocks in the Pacific Ocean and their seasonal variation according to remote sensing and field observations, 1979-2002. *NATO Advanced Research Workshop on the Carbon Cycle of the Equatorial Pacific*. Noumea, New Caledonia

HONORS AND AWARDS:

1. Award of the journal "*Estuarine, Coastal and Shelf Science*" as a Top Cited Author (2008–2012)
2. Award of the International Publishing House "*Nauka*" (Russia) for best publication (1997)

JOURNAL REVIEWING

1. Continental Shelf Research

2. Ecological Complexity
3. Environmental Science & Technology
4. Estuaries and Coasts
5. Estuarine, Coastal and Shelf Science
6. IEEE Geoscience and Remote Sensing Letters
7. International Journal of Oceans and Oceanography
8. International Journal of Remote Sensing
9. Journal of Applied Remote Sensing
10. Journal of Coastal Research
11. Journal of Geophysical Research-Oceans
12. Journal of Great Lakes Research
13. Journal of Marine Systems
14. Journal of Oceanography
15. Journal of Plankton Research
16. Journal of Sea Research
17. Limnology and Oceanography: Methods
18. Marine Ecology Progress Series
19. Marine Environmental Research
20. Marine Pollution Bulletin
21. Mathematical Modelling of Natural Phenomena
22. Remote Sensing
23. Remote Sensing of Environment
24. Science of the Total Environment
25. Sensors

AD HOC REVIEWER OF FUNDING AGENCIES

1. National Aeronautics and Space Administration (NASA)
2. Space Research Organization Netherlands (SRON)
3. The Netherlands Foundation for the Advancement of Tropical Research (WOTRO)

STUDENT MENTORING AND TEACHING

1. Lecturing the course ENV184 “The basics of satellite oceanography” at the Institute of the Environment, University of California Los Angeles (UCLA), 2001-2009
2. Invited lecturer for the course AS130: “California’s ocean” at the Atmospheric and Oceanic Sciences, University of California Los Angeles (UCLA), 2004-2009