

PERSONAL INFORMATION

SNEJANKA PETROVA MONCHEVA



📍 Bulgaria, 9000, Varna, 40 Parvi Mai str
 📞 Phone **+359 52 370 484** 📱 Mobile **+359897868533**
 ✉️ E-mail **snejanam@abv.bg**

Sex: female
 Date of birth: 30/09/1952 |
 Nationality: Bulgarian

WORK EXPERIENCE

- Dates (from-to)
 - 2017 – professor, Director
 - 2015 - 2016 professor
 - 2011- 2015 professor, Deputy Director
 - 2007- 2011 assoc. professor, Deputy Director, Head Dep. “Marine biology and ecology”
 - 2001 - 2007 assoc. professor, Deputy Director
 - 1999 - 2001 assoc. professor, lecturer in High Navy School „N.J. Vaptzarov“
 - 1991-1999 senior assistant prof., PhD
 - 1989 - 1991 senior assistant prof.
- Name and address of the employer
 - Institute of Oceanology “Fridtjoff Nansen” – Bulgarian Academy of Sciences 40, Parvi Mai str.,9000 Varna, P.O. Box 152, Bulgaria Tel: +359 52 370485; fax: +359 52 370483
www.io-bas.bg
- Occupation
 - Research (Marine biology and ecology, Administration (Deputy Director, Head Dep.)
- Position
 - senior assistant prof, assoc. prof., prof., Deputy Director. Head Dep, Director
- Main activities and responsibility
 - Research and expert activity. Marine phytoplankton: taxonomy, biodiversity and ecology, seasonal dynamics and succession, chlorophyll, phytoplankton blooms, anthropogenic eutrophication, mechanisms, biological indicators, biomarkers, quality control of biological data, marine ecology, indicators for ecological/environmental quality assessment (WFD, MSFD). PhD students supervision, Projects coordination, Administration
- Dates (from-to)
 - 1983 - 1989 assistant . Prof.
 - 1976 – 1989 biologist
- Name and address of the employer
 - Institute of Fishery Resources
 Bul. “Primorski”, 4, 9000 Varna, Bulgaria
 Phone/fax: +359 52 632 066
www.ifrvarna.com
- Main activities and responsibility
 - research: marine phytoplankton, field surveys, lab. experiments

ОБРАЗОВАНИЕ И ОБУЧЕНИЕ

- Dates (from-to)
 - 1986 - 1991
- Name and type of organisation providing education and training
 - Institute of oceanology-BAS/ Plovdiv University – Faculty of Biology
- Main subjects/ professional skills
 - Taxonomy, biology and ecology of phytoplankton, lab experiments, monocultures
- Title of qualification awarded
 - PhD, Specialty “Hydrobiology” Topic of the dissertation: „Ecology of common Black sea phytoplankton species under the condition of anthropogenic eutrophication“, IO-BAS, 197 pp.
- National standard qualification (if applicable)
 - PhD

- Dates (from-to) 1971-1976
- Name and type of organisation providing education and training Sofia University „St. Kliment Ochridski”, Faculty of biology
 - Qualification Msci.(Diploma)
- National standard qualification Msci in biology (if applicable)

PERSONAL SKILLS AND COMPETENCES

Mother tongue (s)
Other languages

Bulgarian
English, Russian

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken interaction	
English	C1	C1	C1	C1	C1
English language school (diploma)					
Russian	C1	C1	B2	B2	B2
Replace with name of language certificate. Enter level if known.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user Common European Framework of Reference for Languages

Organisational / managerial skills

Leadership (responsible for a team of 122 researchers and technicians) , Good experience in Project management and coordination of research teams, sense of organization (Conferences and training courses)

Field of Research interests

Phytoplankton Taxonomy, Biodiversity, life cycle, ecology, seasonal dynamics and succession, bloom events, mechanisms of anthropogenic eutrophication, biological indicators, biomarkers, QA/QC of biological data, marine ecology, development of indicators for ecological/environmental status assessment (WFD, MSFD) expert and consultancy activities, PhD training and supervision, Projects coordination

<https://www.scopus.com/authid/detail.uri?authorId=6602752124>

<https://ras.nacid.bg/dissertations-search>

https://www.researchgate.net/profile/Snejana_Moncheva/publications

<http://www.orcid.org/0000-0002-2679-5062>

ADDITIONAL INFORMATION
Lecture activity

2009 - Basic courses for PhD students to the PhD Training Center –BAS, Sofia :
Biological Oceanography
Ecology of Black Sea biological communities

1994 - 2001 Lecturer in the High Navy School Varna, course “ Marine Phytoplankton and primary productivity”

PhD supervision: 6 PhD students

Organized International Summer Schools for PhD students:

- Statistics for biological data Project SESAME , IO-BAS, 15-29.06. 2008, Varna
- Tools for marine ecosystems ecological status assessment and sustainable development, Project CESUM-BS, 24.09 – 5.10.2001, Shkorpilovtzi, Bulgaria

Invited lecturer –International Training courses

- Training Workshop “ Monitoring methodology of Black Sea – Phytoplankton and chlorophyll” 22-23 February , 2016, Odessa, Ukraine, EMBLAS II EU/UNDP Project
- Training Workshop on phytoplankton sampling, identification and counting 15-19 August, Odessa, 2005 GEF/UNDP Black Sea Ecosystem Recovery Project (BSERP)- RER/01/G33/A/1G/31
- Ecological Descriptors of Chemical Pollution in Transitional and Coastal Waters: an overview of indices and indicators. NATO Advanced Study Institute, Conservation and Sustainable Development of River Mouth Ecosystems, Wetland And Lagoons, 9-19 October 2004 Galati, Romania. (NATO SfP
- Program grant)
- Quality Control Of Biological Data - Phytoplankton – Joint Data Quality Training Workshop Rhodes, 11-12 April 2011 (UP-GRADE BS SCENE Project)

International cruises (Black Sea)

- 17.05-05.06.2016 - EC/UNDP Project EMBLAS II – Scientific head of the cruise (from Odessa to Georgia) RV “Mare Nigrum”
- 22-30.07. 2013 – North-western Black Sea (Romania, Bulgaria, Turkey) *MISIS Project* – Coordinator- RV”Akademik”
- 25-29 .05.2010 –Open Black Sea - Project BioMarcs - Coordinator- RV”Akademik”
- 21-25.04.2009 – Intercalibration of methods for plankton collection and analysis опланктон – (Project *SESAME*) – Coordinator- RV”Akademik”
- *Black Sea Recovery project –Phase II*
20.09-01.10.2005 RV“ Parshin”;
26.07-04-08.2006 – RV”Akademik”
- *NATO SfP Проект* – RV “Akademik” – 1999, 2000, 2001
- Projects EROS-2000 - EROS’21 - 1995, 1997 - R/V “Prof. Vodianitzky”;
- *Projects NATO TU Black Sea*,
CoMSBlack 1994, RV “Hydrograph”,
CoMSBlack’92a, R/V “Akademik”
Hydroblack’91, R/V “Akademik”

Експертна дейност

Membership of International organisations, committees (selected)

- 2017 – International expert group for development of the Black Sea SRIA - DG Research & Innovation, EC
- 2014 – Expert group for GES definition /WG GES to EC
- 2007 – National focal point in the CBD AG to the Black Sea Commission
- 2009-2010 member of the EU Biodiversity Expert group – MSFD /ICES-JRC
- 2007 - 2015 Member of International Program for Biodiversity Science DIVERSITAS)
- 2010 – Associated member SCOR WG 137 Global Patterns of Phytoplankton Dynamics in

Coastal Ecosystems: Comparative Analysis of Time Series Observations

- 2010-2015 Associated member ICES WG on Phytoplankton And Microbial Ecology
- 2010-2013 Member of GIG Black Sea – coordinator of BQE phytoplankton WG
- 2001- 2014 Expert evaluator – Projects under V,VI and VII FP, EC
- 2001- 2012 Member of HAB society, IOC Information Document 1015, UNESCO, 1995.

Harmful Algae: An International Directory of Experts in Toxic and Harmful Algae and Their Effects on Fisheries and Public Health

- 2003-2006 – member of the management council of Global Water Partnership

Invited lecturer (GRANTS)

- Moncheva S., 2009. Good Environmental Status (GES) and the Black Sea: Phytoplankton BQE and GES. ICES/JRC TG01- Biodiversity GES Meeting (Marine Strategy Framework Directive - MSFD) – Oslo, Norway, 28-29, 2009. (ICES grant)

- Moncheva S., L. Kamburska, 2008. Disastrous invasion of the non-indigenous macrozooplankton species in the Black Sea – a lesson for scientists and policy makers. Marine Science Contribution to Regional Seas Strategies. BONUS in cooperation with European Commission Seminar on Marine Science Contribution to Regional Seas Strategies, 09.12.2008, Brussels. (BONUS-EC grant)

- Moncheva S., 2007. Marine Biodiversity and Policy survey in the Black Sea (Bulgaria): European Conference of the European Platform for Biodiversity Research held under the Portuguese residency of the EU, Porto, Portugal, 7th – 9th November 2007 “Life on the Blue Planet: Biodiversity Research and the New European Marine Policies” (Project BIOSTRAT, 6FP, EC grant)

- Moncheva S. 2005. The application of DPSIR concept for sustainable development of the Bulgarian Black Sea coast – why should we read the history in order to manage the future. In: Large-scale disturbances (regime shifts) and recovery in aquatic ecosystems: challenges for management towards sustainability. Velikova V and N. Chipev [Eds], UNESCO/Roste/BAS Workshop on Regime shifts, IOC-UNESCO, 14-16 June, Varna, ISBN 10:954-457-029-2- 13:978-954-457-029-3 (IOC-UNESCO grant)

- Moncheva S. 2005. Phytoplankton Shifts in the Black Sea- Driving Forces and Possible Implication for Reference Conditions. Joint Workshop on Streamlining the Process of Producing Regional Assessments on Eutrophication for Pan-European Purposes. EC JRCBSCOM-HELCOM 26/10/05 – 28.10.05 Istanbul, Turkey (BSCOM grant)

- Moncheva S., 2003. Pollution problems in the Black Sea. Conference on the sustainable Development of the Mediterranean and the Black Sea, EU Presidency, 29.05-01.06.2003, Thessaloniki, Greece. (EC grant)

- Moncheva S., Kamburska, L, 2002. Black Sea plankton stowaways- why a crucial issue to safeguard Black Sea biodiversity. Alien marine organisms introduced by ships in the Mediterranean and Black Seas CIESM Workshop, 6-9 November, 2002, Pera Palas Hotel, Istanbul, Turkey. (CIESM grant)

- Moncheva S., V. Doncheva, and L.Kamburska, 2000. On the long-term response of harmful algal blooms to the evolution of eutrophication off the Bulgarian Black Sea coast: are the recent changes a sign of recovery of the ecosystem - the uncertainties. IX International conference on “Harmful Algal Blooms”, 7-11 February, Hobart, Tasmania. (SCOR UNESCO grant)

Reviewer activity

BONUS Program – (2013)

Marine Pollution Buletin
Journal of Environmental Biology- Special Issue
Journal of Environmental Biology
Ecology and Society
Environmental Engineering and management Journal
Mediterranean Marine Science
Turkish Journal of Fisheries and Aquatic Sciences
Journal of Marine Systems
Estuarine Coastal and Shelf Science
Progress in Oceanography
Saudi Journal of Biological Sciences

Ecology and Society
Journal of Environmental Biology- Special Issue
Environmental Monitoring and Assessment
Acta Zoologica Bulgarica
Hydrobiologia, Kluwer Academic Publishers
проект за млади научни работници от Център по Океанография, Атина
Acta Botanica Bulgarica
Atmospheric and Oceanic Sciences
Hydrology
Journal Marine Research
Морской Биологический Журнал
Deep-Sea Research Part I
Journal of Sea Research

Publications **Publications in journals referenced in world data bases with IF or SJR**

1. Shiganova T.A., Mikaelyan A.S., **Moncheva S.**, Stefanova K., Chasovnikova V.K., Mosharov S.A., Mosharova I.N., Slabakova N., Mavrodieva R., Stefanova E., Zaskoa D.N., Dzhurova B., 2019. Effect of invasive ctenophores *Mnemiopsis leidyi* and *Beroe ovata* on low trophic webs of the Black Sea ecosystem. Marine Pollution Bulletin, 141: 434–447.
2. Callieri, C., Slabakova, V., Dzhembekova, N., Slabakova, N., Peneva, E., Cabello-Yeves, P.J., Di Cesare, A., Eckert, E.M., Bertoni, R., Corno, G. Salcher, M.M. and **S. Moncheva**, 2019. The mesopelagic anoxic Black Sea as an unexpected habitat for *Synechococcus* challenges our understanding of global “deep red fluorescence”. The ISME journal, p.1. Dzhembekova, N., Moncheva, S., Ivanova, P., Slabakova, N., Nagai, S.. Biodiversity of phytoplankton cyst assemblages in surface sediments of the Black Sea based on metabarcoding.. Biotechnology & Biotechnological Equipment, 2018, DOI:<https://doi.org/10.1080/13102818.2018.1532816>,
3. Churilova T., Suslin V., Sosik H.M., Efimova T., Moiseeva N., Moncheva S., Mukhanov N., Rylkova O., Krivenko O.. Phytoplankton light absorption in the deep chlorophyll maximum layer of the Black Sea. European Journal of Remote Sensing, Taylor & Francis Online, 2018, ISSN:Online: 2279-7254, DOI:10.1080/22797254.2018.1533389, SJR:0.577, ISI IF:1.122
4. Dzhembekova, N., Moncheva, S., Ivanova, P., Slabakova, N., Nagai, S., 2018. Biodiversity of phytoplankton cyst assemblages in surface sediments of the Black Sea based on metabarcoding. Journal of Biotechnology & Biotechnological Equipment , Volume 32, 2018 - Issue 6, 1507-1513. <https://doi.org/10.1080/13102818.2018.1532816>
5. Churilova T., **S. Moncheva**, V. Suslin, O. Kryvenko, 2017. Intensity, area extent and frequency of coccolithophores *Emiliania huxleyi* blooms in the Black sea: application of remote sensing approach. 17th International Multidisciplinary Scientific GeoConference SGEM 2017, www.sgem.org, SGEM2017 Conference Proceedings 29 June - 5 July, 2017, Vol. 17, 31, 871-880. ISBN 978-619-7408-04-1 / ISSN 1314-2704, DOI: 10.5593/sgem2017/31/S15.110
6. Dzhembekova, N., Atanasov, I., Ivanova, P., Moncheva, S.. New potentially toxic *Pseudo-nitzschia* species (Bacillariophyceae) identified by molecular approach in the Black Sea (Varna Bay). 17th International Multidisciplinary Scientific GeoConference SGEM 2017, Conference Proceedings, 17, 2017, ISBN:978-619-7408-04-1, ISSN:1314-2704, DOI:10.5593/sgem2017/31, 889-896.
7. Dzhembekova N., S. Urusizaki, **S. Moncheva**, P. Ivanova, S. Nagai, 2017. Applicability of massively parallel sequencing on monitoring harmful algae at Varna Bay in the Black Sea. Original Research Article, Harmful Algae, Vol. 68, 40-51.
8. **Moncheva, S.**, Stefanova, K., Krastev, A., Apostolov, A., Bat, L., Sezgin, M., Sahin, F., Timofte, F. 2016. Marine Litter Quantification in the Black Sea: A Pilot Assessment. Turkish Journal of Fisheries and Aquatic Sciences, Volume 16, Issue 1, 2016, 213-218.
9. Crise A., H. Kaberi, J. Ruiz, A. Zatsepin, E. Arashkevich, M. M. Giani, A. P. Karageorgis, L. Prieto, M. Pantazi, D. Gonzalez-Fernandez, M. Ribera d'Alcalà, V. Tomero, V. Vassilopoulou, X. Durrieu de Madron, C. Guieu, P. Puig, A. Zenetos, B. Andral, D. Angel, D. Altukhov, S.D. Ayata, Y. Aktan, E. Balcioglu, F. Benedetti, M. Bouchoucha, M.-C. Buia, J.-F. Cadiou, M. Canals, M. Chakroun, E. Christou, M. G. Christidis, G. Civitarese, V.

Coatu, M. Corsini-Foka, S. Cozzi, A. Deidun, A. Dell'Aquila, A. Dogrammatzi, C. Dumitrache, D. Edelist, O. Ettahiri, S. Fonda-Umani, S. Gana, F. Galgani, S. Gasparini, A. Giannakourou, M. -T. Gomiou, A. Gubanova, A.-C. Gücü, Ö. Gürses, G. Hanke, I. Hatzianestis, B. Herut, R. Hone, E. Huertas, J.-O. Irisson, M. İşinibilir, J. A. Jime, S. Kalogirou, K. Kapis, V. Karamfilov, S. Kavadas, Ç. Keskin, A. E. Kideys, M. Kocak, G. Kondylatos, C. Kontogiannis, R. Kosyan, P. Koubbi, G. Kušpilić, R. La Fer, L. Langone, S. Laroche, L. Lazar, E. Lefkaditou, I.E. Lemesko, A. Machias, A. Malej, M.-G. Mazzocchi, V. Medinets, N. Mihalopoulos, S. Miserocchi, **Moncheva S.**, V. Mukhanov, G. Oaie, A. Oros, A. A. Öztürk, B. Öztürk, Panayotova M., A. Prospathopoulos, G. Radu, Raykov V., P. Reglero, G. Reygondeau, N. Rougeron, B. Salihoğlu, A. Sanchez-Vidal, G. Sannino, C. Santinelli, D. Secieru, G. Shapiro, N. Simbora, T. Shiganova, M. Sprovieri, Stefanova K., N. Streftaris, V. Tirelli, M. Tom, B. Topaloğlu, N. E. Topçu, K. Tsagarakis, C. Tsangaris, G. Tserpes, S. Tuğrul, Z. Uysal, D. Vasile, K. Violaki, J. Xu, A. Yüksek, E. Papathanassiou. 2015. A MSFD complementary approach for the assessment of pressures, knowledge and data gaps in Southern European Seas: The PERSEUS experience. *Marine Pollution Bulletin*, 95, Elsevier, 28-39. DOI:<http://dx.doi.org/10.1016/j.marpolbul.2015.03.024>.

10. Strong J., Andonegi E., Bizsel K. C., Danovaro R., Elliott M., Franco A., Garces E., Little S., Mazik K., **Moncheva S.**, Papadopoulou N., Patrício J., Queiros M., Smith C., Stefanova K., Solaun O. 2015. Marine biodiversity and ecosystem function relationships. The potential for practical monitoring applications. *Estuarine, Coastal and Shelf Science*, 161, 46-64. DOI:<http://dx.doi.org/10.1016/j.ecss.2015.04.008>,

11. Yde de Jong, Juliana Kouwenber, Louis Boumans, Charles Hussey, Roger Hyam, Nicola Nicolson, Paul Kirk, Alan Paton, Ellinor Michel, Michael D. Guiry, Phillip S. Boegh, Henrik Aerenlund Pedersen, Henrik Enghoff, Eckhard von Raab-Straube, Anton Güntsch, Marc Geoffroy, Snejana Moncheva. PESI - a taxonomic backbone for Europe. *Biodiversity Data Journal*, 3, 2015, 1-55, DOI: 10.3897/BDJ.3.e5848

12. Knights A.M., Piet G.J, Jongbloed R.H, Tamis J. E., White L., Akoglu E., Boicenco L., Churilova T., Kryvenko O., Fleming-Lehtinen V., Leppanen J-M, Galil B.S., Goren M., Margonski P., **Moncheva S.**, Oguz T., Papadopoulou K. N., Setälä O., Smith C. J., Stefanova K., Timofte F., Robinson L.A. 2015. An exposure-effect approach for evaluating ecosystem-wide risks from human activities. *ICES Journal of Marine Science*, 72, 3, ICES, 1105-1115. DOI:doi: 10.1093/icesjms/fsu245

13. Leontowicza M., H. Leontowicza, J. Namiesnik, R. Apak, D. Barasch, A. Nemirovski, S. Moncheva, I. Goshev, S. Trakhtenberg, S. Gorinstein, 2015. Rapana venosa consumption improves the lipid profiles and antioxidant capacities in serum of rats fed an atherogenic diet. *Nutrition research* 2015 Jul;35(7):592-602. doi: 10.1016/j.nutres.2015.05.003

14. Kopf A., Mesude B., R. Kottmann, J. Schnetzer, I. Kostadinov.....S. Moncheva, N. Dzhebekova....., 2015. The ocean sampling day consortium. *Giga Science*, 4:27. DOI 10.1186/s13742-015-0066-5

15. Theodosi C. S. Stavrakakis , F. Koulaki , I. Stavrakaki, S. Moncheva, E. Papathanassiou, A. Sanchez-Vidal, M. Koçak, N. Mihalopoulos. 2013. The significance of atmospheric inputs of major and trace metals to the Black Sea. *Journal of Marine Systems*, Volumes 109–110, January 2013, Pages 78–93, ISSN: 0924-7963.

16. Vadrucci M.R., E. Stanca, C. Mazziotti, S. Fonda- Umani, A. Georgia, **S. Moncheva**, A. Romano, R. Bucci, N. Ungaro, A. Basset. 2013. Ability of phytoplankton trait sensitivity to highlight anthropogenic pressures in Mediterranean lagoons: A size spectra sensitivity index (ISS-phyto). *Ecological Indicators*, Volume 34, November 2013, 113–125.

17. Breen P., Robinson L.A., Rogers S.I., Knights A.M., Piet G., Churilova T., Margonski P., Papadopoulou N., Akoglu E., Eriksson A., Finenko Z., Fleming-Lehtinen V., Galil B., Goodsir F., Goren M., Kryvenko O., Leppanen J.M., Markantonatou V., **Moncheva S.**, Oguz T., Paltriguera L., Stefanova K., Timofte F., Thomsen F., 2012. An environmental assessment of risk in achieving good environmental status to support regional prioritisation of management in Europe. *Marine Policy*, Volume 36, Issue 5, Pages 1033–1043, ISSN: 0308-597X

18. Dromph, K.M., S Agustí, A. Basset, J. Franco, P. Henriksen, J. Icelly, S. Lehtinen, S. Moncheva, M. Revilla, L. Roselli, K. Sørensen. 2013. Sources of uncertainty in assessment of marine phytoplankton communities. *Hydrobiologia*, 704 (1):253–264 DOI 10.1007/s10750-012-1353-0

19. 1Moncheva S., E. Racheva , L. Kamburska, J. D'Heroncourt. 2012. Environmental and Management Constraints on Tourism in Varna Bay, Bulgarian Black Sea Coast. In: Hopkins T., D. Bailly, J. Stottrup, A. Sandberg, and R. Elmgren [eds], part of a Special Feature on „A Systems Approach for Sustainable Development in Coastal Zones”, *Ecology and Society*, 17 (3): 35. ISSN: 1708-3087. <http://dx.doi.org/10.5751/ES-05107-170335>

20. Oguz T., B. Salihoglu, **S. Moncheva**, V. Abaza, 2012. Regional peculiarities of community-wide trophic cascades in strongly degraded Black Sea food web. *J. Plankton Research*, 34 (4), 338–343.
21. Lugoli F., M. Garmendia, S. Lehtinen, P. Kauppila, **S. Moncheva**, M. Revilla, L. Roselli, N. Slabakova, V. Valencia, K.M. Dromph, A. Basset, 2012. Application of a new multi-metric phytoplankton index to the assessment of ecological status in marine and transitional waters. *Ecological Indicators*, Volume 23, issue (December, 2012), 338-355. ISSN: 1470-160X
22. **Moncheva S.**, M. Pantazi, L. Pautova, L. Boicenco, D. Vasiliu, L. Mantzosh, 2012. Black Sea Phytoplankton Data Quality – Problems and Progress. *Turkish Journal of Fisheries and Aquatic Sciences* 12: 417-422, ISSN: 1303-2712.
23. Eker-Develi E., J. Berthon, E. Canuti, N. Slabakova, **S. Moncheva**, G. Shtereva, B. Dzhurova, 2012. Phytoplankton taxonomy based on CHEMTAX and microscopy in the northwestern Black Sea. *Journal of Marine Systems*, Volume 94, 18-32, ISSN: 0924-7963.
24. Dromph, K.M., S. Agusti, A. Basset, J. Franco, P. Henriksen, J. Icelly, S. Lehtinen, **S. Moncheva**, M. Revilla, L. Roselli, K. Sørensen, 2012. Sources of Uncertainty in Assessment of Marine Phytoplankton Communities. *Hydrobiologia*. (published on-line November 2012) DOI 10.1007/s10750-012-1353-0 Journal ISSN: 0018-8158
25. Namiesnik J., P. Szefer, S. Moncheva, K-S. Ham, S-G. Kang, P. Arancibia-Avila, F. Toledo, I. Goshev, Sh. Gorinstein. 2012. Characterization of *Rapana thomasiana* as an indicator of environmental quality of the Black Sea coast of Bulgaria. *Environmental Technology*, 33 (2), 201-209. ISSN: 0959-3330
26. Moncheva S., J. Namiesnik, R. Apak, P. Arancibia-Avilad, F. Toledo, S-G. Kange, S-T Junge and S. Gorinstein, 2011. *Rapana venosa* as a bioindicator of environmental pollution. *Chemistry and Ecology*, Vol. 27, No. 1, February 2011, 31–41. ISSN 0275-7540 print/ISSN 1029-0370 online DOI: 10.1080/02757540.2010.522996
27. Namiesnik J, Szefer P, Sliwka-Kaszynska M, Moncheva S, Arancibia-Avila P, Toledo F, Ham KS, Kang SG, Gorinstein S., 2010. Determination of PAHs, PCBs, minerals, trace elements, and fatty acids in *Rapana thomasiana* as an indication of pollution. *J AOAC Int.* 2010 Sep-Oct;93(5):1600-1608
28. Stel'makh L. V., Babich I. I., Tugrul S., **Moncheva S.**, Stefanova K., 2009. Phytoplankton Growth Rate and Zooplankton Grazing in the Western Part of the Black Sea in the Autumn Period. *Oceanology*, Vol. 49, No. 1, pp. 83–92. ISSN 0001-4370
29. Yunev O. A., Shulman G. E., Yuneva T. V., Moncheva S., 2009. Relationship between the abundance of small pelagic fishes and the phytoplankton biomass as an indicator of the state of the pelagic ecosystem of the Black Sea. *Doklady Biological Sciences*, Vol. 428, pp. 454–457. *Doklady Akadem5B Nauk*, ISSN:0012-4966 УДК 574.5(262.5). © Pleiades Publishing, Ltd.
30. Ponti M., M. Pinna, A. Basset, S. Moncheva, A. Trayanova, L. P. Georgescu, S. Beqiraj, S. Orfanidis, M. Abbiati. 2008. Quality assessment of Mediterranean and Black Sea transitional waters: comparing responses of benthic biotic indices. *Aquatic Conserv: Mar. Freshw. Ecosyst.* 18, pp.62–75, ISSN: 1052-7613
31. Basset A., L. Sabetta, F. Sangiorgio, M. Pinna, D. Migoni, F. Fanizzi, E. Barbone, N. Galuppo, S. Fonda Umani, S. Reizopoulou, A. Nicolaidou, C. Arvanitidis, S. Moncheva, A. Trajanova, L. Georgescu, S. Beqiraj, 2008. Biodiversity conservation in Mediterranean and Black Sea lagoons: a trait-oriented approach to benthic invertebrate guilds. *Aquatic Conserv: Mar. Freshw. Ecosyst.* 18, pp. 4–15, ISSN: 1052-7613
32. Sangiorgio F., A. Basset, M. Pinna, L. Sabetta, M. Abbiati, M. Ponti, M. Minocci, S. Orfanidis, A. Nicolaidou, S. Moncheva, A. Trayanova, L. Georgescu, S. Dragan, S. Beqiraj, D. Koutsoubas, A. Evagelopoulos, S. Reizopoulou, 2008. Environmental factors affecting *Phragmites australis* litter decomposition in Mediterranean and Black Sea transitional waters. *Aquatic Conserv: Mar. Freshw. Ecosyst.* 18: 16–26, ISSN: 1052-7613
33. Yunev O., J. Carstensen, **S. Moncheva**, A. Khaliulin, G. Ærtebjerg, S. Nixon, 2007. Nutrient and phytoplankton trends on the western Black Sea shelf in response to cultural eutrophication and climate changes. *Estuarine, Coastal and Shelf Science* 74 (2007) 63-76. ISSN: 0272-7714 doi:10.1016/j.ecss.2007.03.030
34. Alexandrova V., S. Moncheva, N. Slabakova, K. Stefanova, V. Doncheva, 2007. Application of biotic indices and body size descriptors of phyto- and zooplankton communities in Varna lagoon for ecological status assessment, *Journal Transitional Waters Bulletin*, 1, 3(2007), 17-21, ISSN 1825-229X, DOI 10.1285/i1825229X,(on-line journal) <http://siba->

ese.unisalento.it/index.php/twb/article/view/1825229Xv1n3p17

35. Trayanova, A., S. Moncheva, V. Doncheva, 2007. Macrozoobenthic communities as a tool for assessment the ecological status of Varna lagoon. *Journal Transitional Waters Bulletin*, 3, 33-36. ISSN 1825-229X, DOI 10.1285/i1825229Xv1n3p17, <http://siba-ese.unisalento.it/index.php/twb/issue/view/161>
36. Gorinstein S., Aransibia-Avila, A., Moncheva, S., Toledo, F., Traktenberg, S., Gorinstein, A., Goshev, I., Namiesnik, J., 2006. Changes in *Mytilus galloprovincialis* protein profile as a reaction of water pollution. *Environment International*, 32, Elsevier Ltd., 95 – 100. ISSN: 0160-4120
37. Yunev O., **S. Moncheva**, J. Carstensen, 2005. Long-term variability of vertical chlorophyll a and nitrate profiles in the open Black Sea: eutrophication and climate change. *Marine Ecology Progress Series*, vol. 294: 95–107. ISSN: 0171-8630
38. Moncheva S., S. Trakhtenberg, E. Katrich, M. Zemser, I. Goshev, F. Toledo, P. Arancibia-Avila, V. Doncheva, S. Gorinstein, 2004. Total antioxidant capacity in the black mussel (*Mytilus galloprovincialis*) from Black Sea coast. *Estuarine, Coastal and Shelf Science*, 59, 475-484
39. **Moncheva S.**, Sh. Gorinstein, G. Shtereva, E. Katrich, F. Toledo, P. Arancibia, I. Goshev and S. Trakhtenberg, 2003. Biomass, protein – and carbohydrate composition of phytoplankton in Varna Bay, Black Sea. *Hydrobiologia*, 501:23-28. ISSN: 0018-8158
40. **Moncheva S.**, Sh. Gorinstein, G. Shtereva, E. Katrich, F. Toledo, P. Arancibia, I. Goshev and S. Trakhtenberg, 2003. Seasonal variability of phytoplankton at Varna Bay (Black Sea). *Phytochemical Analysis*, 14, 245-250. ISSN: 1874-3900
41. Gorinstein Sh., S. Moncheva, E. Katrich, F. Toledo, P. Arancibia, I. Goshev and S. Trakhtenberg, 2003. Antioxidants in the black mussel (*Mytilus galloprovincialis*) as an indicator of Black Sea coastal pollution. *Marine Pollution Bulletin*, Volume 46, Issue 10, October 2003, pp. 1317-1325. ISSN: 0025-326X
42. **Moncheva, S.**, Doncheva, V., Shtereva, G., Kamburska, L., Malej, A., & Gorinstein, S., 2002. Application of eutrophication indices for assessment of the Bulgarian Black Sea coastal ecosystem ecological quality. *Water Science and Technology*, 46, 8, 19–28, ISSN: 0273-1223,
43. Yunev OA, Vedernikov VI, Basturk O, Yilmaz A, Kideys AE, **Moncheva S**, Konovalov SK, 2002. Long-term variations in surface chlorophyll-a and primary production in the open Black Sea: changes in the pelagic ecosystem over the last decades. *Mar. Ecol. Prog. Series*, vol. 230, .11-28. ISSN: 0171-8630
44. **Moncheva S.**, O. Gotsis-Skretas, K. Pagou and A. Krastev, 2001. Phytoplankton blooms in Black Sea and Mediterranean coastal ecosystems subjected to anthropogenic eutrophication: similarities and differences. *Estuarine Coastal and Shelf Science*, 53:281-295. ISSN: 0272-7714
45. Velikova V., Moncheva S., D. Petrova, 1999. Phytoplankton dynamics and red tides (1987-1997) in the Bulgarian Black Sea. *Water Science and Technology*, vol. 39, 8, 27-36. ISSN: 0273-1223
46. Stereva, G., Moncheva S., Doncheva V, Christova O. and I. Shterev, 1999. Changes of the chemical parameters in the close coastal Black Sea area (Bulgarian part) as indication of the ecological characteristic of the environment. *Water Science and Technology*, vol. 39, 8, 37-45, ISSN: 0273-1223
47. Aubrey, D., S. Moncheva, E. Demirov, V. Diaconu, A. Dimitrov 1995. Environmental changes in the Western Black Sea related to Anthropogenic and Natural Conditions. *Journal of Marine Systems*, 7, 411-425, ISSN: 0924-7963
48. Shtereva G.P., S. P. Moncheva, 1993. Suspended Matter and its Phytoplankton component along the Bulgarian Black sea coast. *Compt. rend. Acad. bulg. Sci.*, 46, 7, 103-106 ISSN-0366-8681
49. Konsulova Ts., A. Konsulov, S. Moncheva 1991 Ecological characteristic of Varna Bay (Black sea) coastal ecosystem under summer "bloom" conditions. *Compt. rend. Acad., bulg. Sci.*, 44, 8, 115-117, ISSN-0366-8681
50. Georgiev G., M., T. K. Kalkanjiyev, Zh. Nickolov, S. P. Montcheva 1981. Quantitative Analysis of Phytoplankton Monocultures in vivo by Laser Excited Fluorescence. *J. Luminescence*, Elsevier, 26, 151- 157, ISSN: 0022-2313, doi:10.1016/0022-2313(81)90177-0

Publications in journals referenced in world data bases without IF or SJR

1. Suslin V.V., Churilova T.Ya, Lee M., Moncheva S., Finenko Z.Z.. Comparison of the black sea Chlorophyll - A algorithms for SeaWiFS and MODIS instruments. *Fundamentalnaya i Prikladnaya Hidrofizika*, 11,

3, Издателство: Федеральное государственное унитарное предприятие "Академический научно-издательский, производственно-полиграфический и книгораспространительский центр "Наука" (Москва), 2018, ISSN:2073-6673, DOI:DOI: 10.7868/S2073667318030085, 64-72

2. Danovaro R., Carugati L., Berzano M., Cahill A., Carvalho S., Chenuil A., Corinaldesi C., Cristina S., David R., Dell'Anno A., Dzhembekova N., Garcés E., Gasol J., Goela P., Féral J., Rastelli E., Marinova V., Miller P., **Moncheva S.**, Newton A., Pearman J., Pitois S., Reñé A., Rodríguez-Ezpeleta N., Saggiomo V., Simis S., Stefanova K., Wilson C., Martire M., Greco S., Cochrane S., Mangoni O., Borja A. 2016. Implementing and Innovating Marine Monitoring Approaches for Assessing Marine Environmental Status. *Front. Mar. Sci.*, 3, 1-25, DOI:<https://doi.org/10.3389/fmars.2016.00213>.

3. Teixeira H, Berg T, Uusitalo L, Fürhaupter K, Heiskanen A, Mazik K, Lynam CP, Neville S, Rodriguez J, Papadopoulou N, **Moncheva S**, Churilova T, Krivenko O, Krause-jensen D, Zaiko A, Verissimo H, Pantazi M, Carvalho S, Patricio J, Uyarra MC and Borja A (2016) A Catalogue of marine biodiversity indicators. *Front. Mar. Sci.* 3:207. doi:10.3389/fmars.2016.00207

4. Uusitalo L, Blanchet H, Andersen JH, Beauchard O, Berg T, Bianchelli S, Cantafaro A, Carstensen J, Carugati L, Cochrane S, Danovaro R, Heiskanen A-S, Karvinen V, **Moncheva S**, Murray C, Neto JM, Nygård H, Pantazi M, Papadopoulou N, Simboura N, Srebaliene G, Uyarra MC and Borja A (2016) Indicator-Based Assessment of Marine Biological Diversity—Lessons from 10 Case Studies across the European Seas. *Front. Mar. Sci.* 3:159. doi: 10.3389/fmars.2016.00159

5. Patricio J, Little S, Mazik K, Papadopoulou K-N, Smith CJ, Teixeira H, Hoffmann H, Uyarra MC, Solaun O, Zenetos A, Kaboglu G, Kryvenko O, Churilova T, **Moncheva S**, Bucas M, Borja A, Hoepffner N and Elliott M (2016) European Marine Biodiversity Monitoring Networks: Strengths, Weaknesses, Opportunities and Threats. *Front. Mar. Sci.* 3:161. doi: 10.3389/fmars.2016.00161

6. Lazăr L., L. Boicenco, C. Beken, B. Dzhurova, S. Moncheva, G. Shtereva, D. Vasiliu, 2016. Western Black Sea Eutrophication Status according to the Black Sea Eutrophication Assessment Tool, BEAST - MISIS Cruise Results. "Cercetări Marine" Issue no. 46: 48-60

7. Moncheva S., Stefanova K., Doncheva V., Hristova O., Dzhurova B., Racheva E.. Plankton indicators to inform Eutrophication Management. *Proceedings of MEDCOAST Conference*, 1, 2015, 351-362

8. Суслин В.В., Чурилова Т.Я., Джулай А., Мончева С., Слабакова В., Кривенко О., Ефимова Т., Салюк П., 2014. Региональный алгоритм восстановления концентрации хлорофилла «а» и коэффициента поглощения света неживым органическим веществом на длине волны 490 нм в Черном море для спектральных каналов цветковых сканеров MODIS и MERIS // Экологическая безопасность прибрежной и шельфовой зон и комплексное использование ресурсов шельфа. Севастополь: МГИ НАН Украины. - 2014. Вып. 28. - С. 303-319. (ISSN 1726-9903) УДК 5 8 1 .132.1 :551.46.08:519.876.5(262.5) :551.043:551.465<http://blackseacolor.com/Site/Papers/suslinchurilova.pdf>

9. Rubino F., Belmonte M., Moncheva S., Slabakova N., Kamburska L., 2010. Resting Stages Produced by Plankton in the Black Sea - Biodiversity and Ecological Perspective. *Rapp. Comm. int. Mer Médit.*, 39, 2010, p.399. ISSN: 0373-434X

10. Moncheva S., V. Doncheva, and L.Kamburska, 2001. Phytoplankton blooms long-term history off the Bulgarian Black Sea coast in relation to environmental factors: do the 90's manifest a sign of ecosystem health improvement. *Journal of Environmental Protection and Ecology*, 2, 4, 997-989. ISSN 1311-5065

11. Bodeanu, N., Moncheva, S., Ruta, G., Popa, L., 1998. Long-term evolution of the algal blooms in Romanian and Bulgarian Black sea waters (1998) *Cercetari Marine*, 31, pp. 37-55 ISSN 0250-30694568-8

12. Moncheva, S. 1991. On the Toxicity of *Exuviaella cordata* Ost. Blooming in Black Sea. *Rev. Internationale d'Océanographie Médicale*, 101-102-103-104, 124-126, ISBN ISSN 0035-3493

BOOK Chapters, Monographs, Special Editions

1. Moncheva S., Boicenco L., Mikaelyan A.S., Zotov A., Dereziuk N., Gvarishvili C., Slabakova N., Mavrodiya R., Vlas O., Pautova L.A., Silkin V.A., Medinets V., Sahin F., Feyzioglu A.M.. Black Sea State of Environment Report 2009-2014/5 .1.3.2. Phytoplankton.. BSC, 2019. State of the Environment of the Black Sea (2009-2014/5). Edited by Anatoly Krutov., Publications of the Commission on the Protection of the Black Sea against Pollution (BSC) 2019, Istanbul, Turkey, 811pp., 2019, ISBN:978-605-84837-0-5, 225-283

2. Nesterova D. S. Moncheva, A. Mikaelyan, A. Vershinin and V. Akatov, L. Boicenco, Y. Aktan, F. Sahin, T. Gvarishvili, 2008. Chapter 5 .The State of Phytoplankton. BSC, 2008. In: State of the Environment of the Black Sea (2001-2006/7), T.Oguz [ed], Black Sea Commission Publications 2008-3, Istanbul, Turkey, pp. 133-167, ISBN 978-9944-245-33-3. <http://www.blacksea-commission.org/publ-SOE2009.asp>
3. Moncheva S., N. Slabakova, 2008. Section 3 – Phytoplankton: 2.2 Black Sea. In: Water Framework Directive intercalibration technical report Part 3: Coastal and Transitional waters. GIG. A. Carletti and A-S. Heiskanent [ed]. pp 110-121 JRC Scientific and Technical Reports. Luxembourg: Office for Official Publications of the European Communities, ISSN 1018-5593, DOI 10.2788/19561 http://publications.jrc.ec.europa.eu/repository/bitstream/11111111/10473/1/3010_08-volumecoast.pdf
4. Nunneri C., K. Turner, A. Cieslak, A. Kannen, R. Klein, L. Lebourg, J. Marquenie, L. Mee, S. Moncheva, R. Nicholls, W. Salomons, R. Sarda, M. Stive, T. Vellinga, 2005. Integrated assessments and future scenarios for the coast. In: Managing European Coasts-Past, present and future, J. Vermaat, L. Bouwer, K. Turner and W. Salomons [eds], Springer, Berlin, Germany, pp. 271-289. Springer series: Environmental sciences and engineering, ISBN: 978-3-540-23454-8 <http://www.springer.com/978-3-540-23454-8> (глава от книга-монографично издание)
5. Темнискова Д., И. Киряков, С. Мончева, М. Стойнева, Р. Младенов, Д. Белкинова, Р. Станчева, П. Иванов, 2005. Биоразнообразие на водораслите в България, 11-36. В: Петрова, А. (Ред.), Съвременно състояние на биоразнообразието в България – проблеми и перспективи. Българска платформа за биоразнообразие, София, с. 11-36 ISBN 954-9746-12-7
6. Rochelle-Newall, E., R.J.T. Klein, R.J. Nicholls, K. Barrett, H. Behrendt, T.H.M. Bresser, A. Cieslak, E.F.L.M. de Bruin, T. Edwards, P.M.J. Herman, R.P.W.M. Laane, L. Ledoux, H. Lindeboom, W. Lise, S. Moncheva, P.S. Moschella, M.J.F. Stive, and J.E. Vermaat, 2005: Global change and the European coast—climate change and economic development. In: Managing European Coasts: Past, Present and Future, J.E. Vermaat, L. Bouwer, R.K. Turner and W. Salomons (eds), Springer, Berlin, Germany, pp. 239–254, Springer series: Environmental sciences and engineering, ISBN: 978-3-540-23454-8 <http://www.springer.com/978-3-540-23454-8> (глава от книга - монографично издание)
7. Yunev, O.A. Suetin, V. Suslin, V. Moncheva, S., 2003. Long-term changes in the Black Sea surface chlorophyll a according to in situ and modern satellite data, in: Dahlin, H. et al. (Ed.), Building the European capacity in operational oceanography: proceedings of the 3rd International Conference on EuroGOOS 3-6 December, 2002, Athens, Greece. Elsevier Oceanography Series, 69: pp. 168-173 ISBN 10: 0-444-51550-X, doi:10.1016/S0422-9894(03)80028-4 <http://www.sciencedirect.com/science/bookseries/04229894/69>
8. Moncheva, S., Kamburska, L., 2002. Black Sea plankton stowaways- why a crucial issue to safeguard Black Sea biodiversity, In: Alien marine organisms introduced by ships in the Mediterranean and Black Seas CIESM Workshop Monographs no 20, Monaco, .pp 47-53. ISSN 1726-5886 <http://www.ciesm.org/online/monographs/Istanbul.htm>
9. Moore, M.N., Lowe, D.M., Wedderburn, R.J., Wade, T.L., Balashov, G., Buyukgugnor, H., Daurova, Y., Depledge, M.H., Y.Denga, E.Kostylev, P.Mihnea, A. Cociasu, S.Moncheva, S.Tabagar, 1999. UNESCO/IOC Black Sea Mussel Watch Pilot Study: Biological Effects and contaminant residues.Environmental Degradation of the Black Sea, Challenges and Remedies, pp. 273-289, Besiktepe et al., Eds.; Kluwer Academic Publishers: Dordrecht, The Netherlands, ISBN: 978-0-7923-5676-9 (Print) 978-94-011-4568-8 (Online) <http://link.springer.com/book/10.1007%2F978-94-011-4568-8>
10. Petrova-Karadjova, S. Moncheva, 1998. Biological Diversity of the Pelagic ecosystem in the Bulgarian Black Sea - Phytoplankton. In: Konsulov A. Black Sea Biological diversity in Bulgaria, UN Publications, New York, Black Sea Environmental series, vol.5, 10-12 & 52-58. ISBN: 92-1-126097-3 https://books.google.bg/books/about/Black_Sea_Biological_Diversity.html?id=n1SAAAAYAAJ&redir_esc=y
11. Moore, M.N., Lowe D.M., T.Wade, R.J.Wedderburn., M.H. Depledge, G. Balashov, Y.Daurova, Y.Denga, E.Kostylev, P.Mihnea, A. Cociasu, S.Moncheva, S.Tabagari 1998. Black Sea Mussel Watch Pilot Study: Biological Effects and contaminant residues. In: Black Sea pollution assessment , L.Mee &G.Topping eds., Black Sea Environmental Series, vol.10, UNDP, NY,pp 179-292. ISBN: 92-1-129506-8. https://books.google.bg/books/about/Black_Sea_pollution_assessment.html?id=9pljAQAIAAJ&redir_esc=y
12. Moncheva S., G. Stereva, A.Krastev, N.Bodeanu, A.Kideys, Bayrakdar S., 1998. Vertical distribution of summer phytoplankton in the Western Black Sea during 1991-1995 with respect to some environmental factors. In: Ecosystem Modeling as a Management Tool for the Black Sea, Scientific Results, NATO ASI Series - 2, Environmental security, 47 , Kluwer Academic Publ., L. Ivanov & T. Oguz [eds.], vol.2, 327-349, ISBN 0-

7923-5243-2<http://www.academicbooks.dk/ecosystem-modeling-as-a-management-tool-for-the-black-sea/temel-oguz/leonid-i-ivanov/9780792352457>

13. Konsulov A., Tz. Konsulova, K. Prodanov, S. Moncheva, K. Dencheva, L. Kamburska, A. Velikov. 1998. State of the art and tendencies for changes in the Black sea biodiversity in front of the Bulgarian coast. In: Conservation of the biological diversity as a prerequisite for sustainable development in the Black Sea Region, (V.Kotlyakov, M.Upperbrink, V. Metreveli eds), NATO ASI Series, 2. Environment, Kluwer Academic Publ., 46, 101-128. ISBN 0-7923-5243-2<http://link.springer.com/book/10.1007%2F978-94-011-5114-6>

14. Yilmaz A., O. Yunev, V. Vedemikov, S. Moncheva, A. Bologa, A. Cociasu, D. Ediger 1998. Unusual Temporal Variations in the Spatial Distribution of Chlorophyll a in the Black Sea during 1990 - 1996. In: Ecosystem Modeling as a Management Tool for the Black Sea, Scientific Results, NATO ASI Series, Kluwer Academic Publ., L. Ivanov & T. Oguz [eds.] vol.1, 105-120, ISBN 0-7923-5243-2<http://www.academicbooks.dk/ecosystem-modeling-as-a-management-tool-for-the-black-sea/temel-oguz/leonid-i-ivanov/9780792352457>

15. Moncheva S., A. Krastev. 1997. Some aspect of phytoplankton long-term alterations off Bulgarian Black Sea shelf. In: E. Oszoy, A. Mikhaelian [ed.] Sensitivity to Change: Black Sea, Baltic Sea and North Sea. NATO ASI Series, 2.Environment - vol.27, Kluwer Academic Publ., 79 – 94, ISBN- 0-7923-4535-5<http://link.springer.com/book/10.1007%2F978-94-011-5758-2>

16. Moncheva S., T. Konsulova, A. Konsulov,. 1996. Ecological aspects of sand mining projects along the Bulgarian Black sea coast. Coastal Management and Habitat conservation, Proceedings of the 4th EUCC Congress Marathon, Greece, vol.2, Ed. A.H.P.M. Salman, M.J. Langeveld and M. Bonazountas. EUCC, Leiden, The Netherlands, , 223-232. ISBN 90 75502- 02-8 https://books.google.bg/books/about/Coastal_Management_and_Habitat_Conservat.html?id=jE1cDQEACAAJ&redir_esc=y

17. Slabakov Ch., S. Moncheva, A. Palazov, A. Konsulov, T. Trayanov, N. Nickolov 1996. A possible express method for plankton abundance detection in sea water. Coastal Management and Habitat Conservation,. Proceedings of the 4th EUCC Congress Marathon, Greece vol.2. Ed. A.H.P.M. Salman, M.J. Langeveld and M. Bonazountas. EUCC, Leiden, The Netherlands, , 253-258. ISBN 90 75502- 02-8 https://books.google.bg/books/about/Coastal_Management_and_Habitat_Conservat.html?id=jE1cDQEACAAJ&redir_esc=y

Manuals

➤ **Moncheva S.**, B. Par. 2005 (updated-2015). Manual for Phytoplankton Sampling and Analysis in the Black Sea, 67 pp. GEF/UNDP Black Sea Ecosystem Recovery Project (BSERP)-RER/01/G33/A/1G/31 & UPGRADE BLACK SEA SCENE Project, GA 226592, FP7, EC. - Black Sea Commission

➤ **Moncheva S.** 2010 ((updated-2015).Guidelines for QC/QA of Biological Data-Phytoplankton. 18 pp. Black Sea Commission/UPGRADE BLACK SEA SCENE Project, GA 226592, FP7, EC – Black Sea Commission

➤ Cochrane S.K.J., D.W. Connor, P. Nilsson, I. Mitchell, J. Reker, J. Franco, V. Valavanis, **S.Moncheva**, J. Ekebom, K. Nygaard, R. Serrão Santos, I. Naberhaus, T. Packeiser, W. van de Bund & A.C. Cardoso 2010. Marine Strategy Framework Directive – Task Group 1 Report: Biological diversity. N. Zampoukas [ed]. Luxembourg: Office for Official Publications of the European Communities, 111 pp. EUR 24337 EN – Joint Research Centre, EUR – Scientific and Technical Research series – ISSN 1018-5593, ISBN 978-92-79-15650-2, DOI 10.2788/86653

PAPERS presented on International Conferences (full text)

Dzhembekova, N., Moncheva, S., Ivanova, P., Slabakova, N., Nagai, S.. Molecular taxonomy – new insights for potentially toxic phytoplankton species in the Black Sea. Humboldt Kolleg - Science without Borders: Alexander von Humboldt's Concept in Today's World, Proceedings, приета за печат: 2019

Dzhembekova, N., Ivanova, P., Moncheva, S., Nagai, S., 2018. Taxonomic diversity of marine sediments from the Black Sea: next-generation sequencing survey., Conference proceedings, Fourteenth International Conference on marine sciences and technologies, October 10th - 12th, 2018, Varna, Bulgaria, 162-167 , ISSN 1314-0957. http://www.io-bas.bg/publications/proceedings/BS2018_Proceedings.pdf

- Dzhembekova, N., Moncheva, S., 2015. Relationship between some environmental factors and the abundance and distribution of potentially toxic *Pseudo-nitzschia* species along the Bulgarian Black sea coast. Proceedings of the third student scientific conference "Ecology and Environment", Shumen Volume 2: 153-163. ISSN 2367-5209
- Dzhembekova N., S. Moncheva, 2014. Recent trends of potentially toxic phytoplankton species along the Bulgarian Black Sea area. Proceedings 12 International Conference on Marine Science and technology "Black Sea 2014", Varna, Bulgaria, 25-27 September, 2014, 321-329. ISSN 1314-0957
- Slabakova V., S. Moncheva, V. Doncheva, N. Slabakova, 2014. Application of ocean color data to construct phytoplankton bloom indicators for GEnS assessment in the Black Sea. Proceedings 12 International Conference on Marine Science and technology "Black Sea 2014", Varna, Bulgaria, 25-27 September, 2014, 213-218. ISSN 1314-0957
- Moncheva, S., Stefanova, K., Doncheva, V., Slabakova, N. Mavrodiya, R., 2012. Plankton features for assessment of western Black Sea ecosystem. Proceedings of eleventh international conference on marine science and technologies. "Black Sea' 2012", October 4th-6th, Varna, Bulgaria, 74-81. ISSN 1314-0957
- Slabakova N., Doncheva V., Slabakova V., Moncheva S. 2012. Long-Term chlorophyll a distribution in the Bulgarian Black Sea shelf. Proceedings of XI International Conference on Marine Sciences and Technologies, Varna, Bulgaria, 4-6 October 2012, 132-140. ISSN 1314-0957
- Racheva E., S. Moncheva, L. Kamburska, T. Hopkins, 2010. Modeling the ecological status of Varna bay – Application of System Approach Framework (SAF). Proceedings of Tenth International Conference of marine sciences and technologies "Black Sea'2010", pp. 272-278, ISSN 1314-0957.
- Doncheva V., Moncheva S., N. Slabakova., 2010. Vulnerability of Beloslav and Varna Lakes to eutrophication. Proceedings of Tenth International Conference of marine sciences and technologies "Black Sea' 2010", pp. 261-266, ISSN 1314-0957
- Moncheva S., G. Shtereva , K. Stefanova, N. Slabakova, A. Krastev, O. Hristova, B. Djurova, V. Slabakova, R. Mavrodiya, 2010. On the Resent Features of Chemical and Biological Regimes in the Western Black Sea Ecosystem. Proceedings of tenth international conference of marine sciences and technologies "Black Sea'2010", pp. 288-296, ISSN 1314-0957
- Rubino F., Belmonte M., Moncheva S., Slabakova N., Kamburska L., 2010. Resting Stages Produced by Plankton in the Black Sea - Biodiversity and Ecological Perspective. Rapp. Comm. int. Mer Médit., 39, 2010, p.399. ISSN: 0373-434X
- Moncheva I., S. Moncheva, N. Slabakova, V. Alexandrova, V. Doncheva, 2008. Tourism Industry Impacts on the Black Sea Ecosystem along the Bulgarian Coast -"The Good, The Bad and The Ugly", In: Proceeding of 1st Biannual Scientific Conference "Black Sea Ecosystem 2005 and Beyond" (CD copy), 8-10 May 2006, Istanbul, Turkey, 1022-1036.
- Gorinstein Sh., S. Moncheva, J. Namiesnik, I. Goshev, 2008. Temperature Response of Antioxidant Activity and Protein Profile in the Black Sea Mussels *Mytilus galloprovincialis*. CD-Collected Reprints [S. Moncheva ed.] 2nd Biannual and Black Sea Scene International Conference "Climate Change in the Black Sea - Hypothesis, Observations, Trends, Scenarios and Mitigation Strategy for the ecosystem" (BS-HOT'2008), 06-09.10.2008, Sofia.
- Moncheva S., P. Davis, M. Teohareva, E. Gileva, 2007. The Science-Policy-Stakeholders Dilemma – A Scenario on the "Black Sea-Scene", Conference Collection of papers , 7 Int. Scientific Conference, SGEM, 11-15 June, 2007, Albena , Bulgaria (CD), ISBN 954918181-2
- Moncheva S., V. Alexandrova and N. Slabakova, 2007. On the Application of Phytoplankton Body-Size Structure as Ecological Quality Descriptor of Transitional waters (Varna Lagoon-Black Sea) Rapp. Comm. int. Mer Médit., 38, 384.
- Stefanova K., Kamburska L., Moncheva S., Doncheva V., Slabakova N., Alexandrova V., 2007. Zooplankton community changes along the eutrophication gradient Varna Lakes- Varna Bay (Western Black Sea), Rapp. Comm. int. Mer Médit., v. 38, 605 pp. ISSN: 0373-434X
- Kamburska L., T. Shiganova, K. Stefanova, S. Moncheva, M. Dowell, 2006. Interannual variations in the summer distribution of the invasive ctenophore *Mnemiopsis leidyi* A. Agassiz in the Black Sea. Proceedings of the Workshop on "Understanding and modelling the Black Sea ecosystem in support of marine conventions and environmental policies", A. K. Stips, W. Schrimpf [Eds.], pp. 8-14. EUR 22176 EN http://ies.jrc.ec.europa.eu/uploads/fileadmin/Documentation/Reports/Global_Vegetation_Monitoring/EUR_2006-

2007/EUR 22176 EN.pdf

Moncheva S. 2004. From taxonomy to patterns and processes – the problem of “classical taxonomist guilt extinction” and the need to advance biodiversity research in the Black Sea. In Magni, P.; Malej, A.; Moncheva, S.; Vander Berge, E.; Appeltans, W.; Cuvelier, D.; van Avesaath, P.H.; Hummel, H.; Heip, C.H.R.; Mees, J., (eds.), Electronic conference on “The Southern and Eastern Mediterranean Sea and the Black Sea: New challenges for the marine biodiversity and monitoring” 6 - 24 September, 2004. Flanders Marine Institute (VLIZ): Oostende Belgium 44-46/92-94. Ref. no 68594.

Doncheva, V.G., Moncheva, S.P., Malej, A., Fonda-Umani, S., Kamburska, L.T., Slabakov, H., Christova, O.D., 2002. An Assessment of Trophic State of Marine Coastal Environment: Case studies - Varna Bay (Western Black Sea) and Gulf of Trieste (Northern Adriatic). In: A. Yilmaz (ed). Proceedings of Second International Conference “Oceanography of the Eastern Mediterranean and the Black Sea: similarities and differences between two interconnected basins” 14-18 October, 2002, Ankara, Turkey, 500-507. ISBN: 975-288-451-2.

Moncheva S., V. Doncheva, and L.Kamburska, 2001. On the long-term response of harmful algal blooms to the evolution of eutrophication off the Bulgarian Black Sea coast: are the recent changes a sign of recovery of the ecosystem the uncertainties. In: Proceedings of IX International conference on “Harmful Algal Blooms”, Hobart, Tasmania; G.M.Hallegraff et al., Eds. (UNESCO-IOC, Paris, 2001), pp. 177-182. <http://unesdoc.unesco.org/images/0012/001266/126659eo.pdf>

Stereva G., Moncheva S., Doncheva V, Christova O. and I. Shterev, 1998. Changes of the chemical parameters in the close coastal Black Sea area (Bulgarian part) as indication of the ecological characteristic of the environment. Second International IAWQ Black sea Conference “Environmental Protection Technologies for Coastal Areas. Conf. Preprints, 51-59.

Velikova V., Moncheva S., D. Petrova , 1998. Phytoplankton dynamics and red tides (1987-1997) in the Bulgarian Black Sea. Second International IAWQ Black sea Conference “Environmental Protection Technologies for Coastal Areas. Conf. Preprints, 41-50.

Moncheva S., L. Mihova, I. Shtirkov, A. Stoyanov. 1996. Biogeochemical investigation off the Bulgarian Black Sea shelf applying a new technical approach. MARIND'96, Proceedings of the First International Conference on Marine Industry [ed. Peter Bogdanov), Varna, Bulgaria, vol.2, 391-396.

Moncheva S., V.Petrova-Karadjova, A.PalasoV. 1995. Harmful Algal Blooms along the Bulgarian Black Sea Coast and Possible patterns of Fish and Zoobenthic Mortalities. In: Harmful Marine Algal Blooms, P Lassus, G.Arzul, E.Denn, P. Gentien [eds], Lavoisier Publ. Inc.,193-198.

Moncheva S., V.Doncheva, G.Stereva, A. Konsulov, E. Kozhuharov 1995. Phytoplankton in the particulate matter flux in Varna Bay (Black Sea) Rapp. Comm.int.Mer.Medit.,34,123, ISSN: 0373-434X

Moncheva, S. 1995. Phytoplankton under the influence of eutrophication - peculiarities and ecological significance. Proc.of the Symp. “Ecological Problems and Economical Prospects of the Black sea”, 16-18 Sept. 1991, Istanbul, Turkey, Published by the Black Sea Foundation, 271-279

Vasilev, V., S. Moncheva, D. Moneva. 1994. Chlorophyll a as a measure of phytoplankton biomass and production (a case study in Pomorie lake). Black Sea'94, Proceedings International Conference with a Workshop on Regional Cooperation Project for Integrated Research and Monitoring of the Black Sea, 94-96.

Moncheva, S. 1992. Cysts of blooming dinoflagellates from Black Sea. Rapp. Comm. int Mer Medit, 33, 261. ISSN: 0373-434X

Moncheva, S. T. Trayanov, D. Solakov, 1992. Thermal Influence of thermoelectric power station “Varna” on Varna Lake ecosystem and ecological impact. Rapp. Comm. int Mer Medit, 33, 262. ISSN: 0373-434X

PROJECTS **Projects funded under EC PROGRAMS - coordinator for IO-BAS**

- 2019-2022 Black Sea CONNECT Coordination of Marine and Maritime Research and Innovation in the Black Sea, 860055, HORIZON 2020
- 2017- FRESH Find Researchers Everywhere and SHare, №722790, HORIZON 2020
- 2012-2014 - MISIS - MSFD Guiding Improvements in the Black Sea Integrated Monitoring System, GA 07.020400/2012/616044/SUB/D2 , 7 FP, EC
- 2013-2015-IRIS-SES Integrated Regional monitoring Implementation Strategy in the South European Seas , GA 07.0335/ 659540 / SUB / C, FP7, EC

- 2012-2016 DEVOTES - DEVELOPMENT OF innovative TOOLS for understanding marine biodiversity and assessing good Environmental Status , 308392, FP7
- 2012-2016 – PERSEUS Policy-oriented marine Environmental Research in the Southern European Seas, FP7, No 287600
- 2009-2012 - WISER Water bodies in Europe: Integrative Systems to assess Ecological status and Recovery, Contract No: 226273, 7FP
- 2010-2013 - ODEMM Options for Delivering Ecosystem-Based Marine Management, No 244273, 7 FP
- 2006-2011 - SESAME – Southern European Seas: Assessing and Modelling Ecosystem changes, No: No 036949, 6 FP
- 2007-2011 SPICOSA - Science and Policy Integration for Coastal Ecosystem assessment, IP, 6FP, No 036992
- 2005-2008–Black Sea SCENE – Black Sea Scientific Network CA, 6FP, No 022868 (RICA) 7)
- 2005-2009 - THRESHOLD – Thresholds of Environmental Sustainability, IP, 6FP, No: 0039331
- 2004-2007 - ELME - Life style and Marine Ecosystems STREP, 6FP, No 505576
- 2005-2006- IASON- International Action for Sustainability of the Mediterranean and Black Sea EnviroNmeNt, No: 515234, SSA, 6FP
- 2001-2005 - CESUM-BS -Center for Sustainable Development and Management of the Black Sea Region – Centres of Excellence, INCO, 5th FP, EC Contract ICA1 – CT- 2000-70031 – Coordinator
- 2000-2002 - BIOMARE Implementation and networking of large scale long-term Marine Biodiversity research in Europe, 5FP, EVR1-CT2000-20002
- 2002-2003 - EUROCAT-European Catchments-Catchments changes and their impact on the coast (EVK1-CT-2000-00044), 5FP
- 2002-2004 - MARBENA-Creating a long-term infrastructure for marine biodiversity research in the European Economic area and the Newly Associated States, 5FP, EVR1-CT-2002-40029)
- 2003-2006 - COMPANION, Comparative Analysis of Eutrophication: Black Sea and Baltic Sea (NATO SfP Program, LG, Contract No: CLG-979780)

Projects funded by other Funding Programs

- 2019-2020 Bio-optics for ocean color remote sensing of the Black sea, 4000123951/18/NL/SC Black Sea Color -ESA– coordinator
- 2019-2023- Infrastructure for sustainable development of marine research including the participation of Bulgaria in the European infrastructure Euro-Argo – Roadmap Project- MES
- 2018-2020 ANEMONE - Assessing the vulnerability of the BLack Sea marine ecosystem to human pressure, ENI CBC Black Sea Basin Programme 2014-2020 (Project Number BSB319)
- National scientific Program „Environmental Protection and reducing the risk from natural hazards“ - ДО1-230/06-12-2018 –NSF- MES– coordinator for IO-BAS
- 2018-2019 Operation, development and maintenance of a European Marine Observation and Data Network Ref.: EASME/EMFF/2016/006 – Lot No 5 – Biology - coordinator
- 2016-2020 Phytoplankton cysts – an intricacy between a “memory” or a “potential” for Black sea biodiversity and algal blooms, NSF- coordinator
- 2017-2019 Picocyanobacteria in the deep Black Sea: mysteries of a meromictic se Billateral cooperation BAS- CNRS (Italy) – coordinator
- 2015-2016 ISMEIMP- Investigations on the State of the Marine Environment and under EEA Financial mechanism Norway, D-34-13/02. 04. 2015
- 2009-2011 CEBDER Center of excellence for biodiversity and ecosystem research, Д002-15/17.2.2009, MES –coordinator IO-BAS
- 2010 - Project no 915A0209, Feasibility Study on Oil Spill Preparedness and Emergency Planning in Romania and Bulgaria EEA Financial mechanism and Bilateral Cooperation with Norway – coordinator IO-BAS
- 2000-2002 Project Б-906 Pelagic indicators for diagnoses, categorization and prognoses of the ecological states of coastal ecosystems (Black and Med Seas), MES – coordinator IO-BAS
- Evaluation of the impact of the land based activities on the marine & coastal environment ecosystem & biodiversity in Bulgaria” Contract. 03/07746/AL, Ecolas NV, Belgium
- 2006-2008 Spatial Planning in Coastal Zones (PlanCoast)”, INTERREG III B CADSES

Project, , Contract № 036949 – coordinator IO-BAS

- 2004-2006 INTERREG III B CADSES Programme (2000 – 2006) TWReferenceNET – Management and sustainable development of protected transitional waters — coordinator IO-BAS
- Control of eutrophication, hazardous substances and related measures for rehabilitating the Black Sea ecosystem: Phase 2), PIMS 3065 - GEF/UNDP

Agreements between Ministry of Environment and Water for monitoring for implementation of WFD and MSFD

- Agreement Д33-28/26.07.2019. between MOEW and IO-BAS for fulfillment of the obligations of IO-BAS, arising under art. 171, para 2, item 3 of the Water Act (WA) for implementation of the monitoring requirements of the Water Framework Directive (WFD) and the Marine Strategy Framework Directive (MSFD) for 2019 – coordinator
- Agreement Д-33-36/28.05.2018 r. between MOEW and IO-BAS for fulfillment of the obligations of IO-BAS, arising under art. 171, para 2, item 3 of the Water Act (WA) for implementation of the monitoring requirements of the Water Framework Directive (WFD) and the Marine Strategy Framework Directive (MSFD) for 2018 - coordinator
- Agreement №Д-33-28/31.07.2017 r. between MOEW and IO-BAS for fulfillment of the obligations of IO-BAS, arising under art. 171, para 2, item 3 of the Water Act (WA) for implementation of the monitoring requirements of the Water Framework Directive (WFD) and the Marine Strategy Framework Directive (MSFD) for 2017, 2017 – 2018- coordinator
- Agreement № Д-33-5/28.01.2016 between MOEW and IO-BAS for fulfillment of the obligations of IO-BAS, arising under art. 171, para 2, item 3 of the Water Act (WA) for implementation of the monitoring requirements of the Water Framework Directive (WFD) and the Marine Strategy Framework Directive (MSFD) for 2016
- Agreement № Д 33 85/25.08.2015 between MOEW and IO-BAS for fulfillment of the obligations of IO-BAS, arising under art. 171, para 2, item 3 of the Water Act (WA) for implementation of the monitoring requirements of the Water Framework Directive (WFD) and the Marine Strategy Framework Directive (MSFD) for 2015
- Agreement Д 33-14/27.05.2014 between MOEW and IO-BAS for fulfillment of the obligations of IO-BAS, arising under art. 171, para 2, item 3 of the Water Act (WA)
- Agreement Д 33-18/12.06.2013 between MOEW and IO-BAS for fulfillment of the obligations of IO-BAS, arising under art. 171, para 2, item 3 of the Water Act (WA)
- Agreement Д 33-4/08.05.2012 between MOEW and IO-BAS for fulfillment of the obligations of IO-BAS, arising under art. 171, para 2, item 3 of the Water Act (WA)
- Agreement № 203/09.08.2012 between MOEW and IO-BAS for elaboration of „National Initial Assessment Report, regarding art.8 of MSFD and Report on Formulation of GES http://www.bsbd.org/v2/bg/page_1722859.html; <http://bsbd.org/UserFiles/File/Initial%20Assessment.pdf>
- Contract 03/07746/AL Ecolas N. V., Flemish Community, 2007. Evaluation of the impact from land-based activities on the marine & coastal environment, ecosystems & biodiversity in Bulgaria". AMINAL Europa & Milieu, ARCADIS Ecolas