



ЕВРОПЕЙСКИ СЪЮЗ
ЕВРОПЕЙСКИ СТРУКТУРНИ И
ИНВЕСТИЦИОННИ ФОНДОВЕ



ОПЕРАТИВНА ПРОГРАМА
НАУКА И ОБРАЗОВАНИЕ ЗА
ИНТЕЛИГЕНТЕН РАСТЕЖ

APPENDIX

Curriculum Vitae

Position in the project: member of the research team

PERSONAL INFORMATION

Name	RACHEV NIKOLAY HARALANOV
Address	Dept. of Meteorology and Geophysics, Faculty of Physics, Sofia University "St. Climent Ohridski", 5 James Bourchier Str., 1164 - Sofia, Bulgaria (home: 21 A, blvd. J. Sakazov, 1504 Sofia, Bulgaria)
Telephone number	(+3592) 81 61 289 (HOME: (+3592) 843 86 33)
Fax	(+3592) 962 52 76
E-mail	nick@phys.uni-sofia.bg
Nationality	Bulgarian
Date of birth	05 FEB. 1961

WORK EXPERIENCE

- Dates (from-to) SEPTEMBER 2011 -
- Employer's name and address University of Sofia – Faculty of Physics, 5 James Bourchier Blvd., Sofia 1164, Bulgaria
- Occupation *Associate professor*
- Position held Head of the department of Meteorology and geophysycs
- Main activities and responsibilities Teaching, research, administrative, management work.
- Dates (from-to) MARCH 2008 – SEPTEMBER 2011
- Employer's name and address University of Sofia – Faculty of Physics, 5 James Bourchier Blvd., Sofia 1164, Bulgaria
- Occupation or position held *Associate professor (Physical sciences, code 01.04.08, Physics of the ocean, atmosphere and near-earth space)*
- Main activities and responsibilities Teaching and research work
- Dates (from-to) 2003 - MARCH 2008

- Employer's name and address
University of Sofia – Faculty of Physics, 5 James Bourchier Blvd., Sofia 1164, Bulgaria
- Occupation or position held
Head Assistant professor
- Main activities and responsibilities
Teaching and research work
- Dates (from-to)
2002 - 2003]
- Employer's name and address
University of Sofia – Faculty of Physics, 5 James Bourchier Blvd., Sofia 1164, Bulgaria
- Occupation or position held
Senior Assistant professor
- Main activities and responsibilities
Teaching and research work
- Dates (from-to)
2000 - 2001
- Employer's name and address
University of Sofia – Faculty of Physics, 5 James Bourchier Blvd., Sofia 1164, Bulgaria
- Occupation or position held
Assistant professor
- Main activities and responsibilities
Teaching and research work
- Dates (from-to)
1991 - 2000
- Employer's name and address
University of Sofia – Faculty of Physics, 5 James Bourchier Blvd., Sofia 1164, Bulgaria
- Occupation or position held
Research assistant
- Main activities and responsibilities
Teaching assistance and research work
- Dates (from-to)
1983 - 1987
- Employer's name and address
University of Sofia – Faculty of Physics, 5 James Bourchier Blvd., Sofia 1164, Bulgaria
- Occupation or position held
Research assistant
- Main activities and responsibilities
Teaching assistance and research work

EDUCATION AND TRAINING

- Dates (from-to)
1988 - 1991
- Name and type of training or educational organization
University of Sofia – Faculty of Physics, 5 James Bourchier Blvd., Sofia 1164, Bulgaria
- Main subjects covered or professional skills acquired
Numerical study of basin-scale and synoptic oscillations in the Black Sea
- Name of the acquired qualification
PhD student
- Level according to the national classification (if applicable)
PhD (code 01.04.08, Physics of the ocean, atmosphere and near-earth space, Defended on 19 November 1999, Scientific Council of

	<i>Geophysics, approved by Higher Attestation Commission on 8 February 2000.)</i>
• Dates (from-to)	1978 - 1983
• Name and type of training or educational organization	University of Sofia – Faculty of Physics, 5 James Boucher Blvd., Sofia 1164, Bulgaria
• Main subjects covered or professional skills acquired	<i>Mathematics, Physics, Meteorology</i>
• Name of the acquired qualification	<i>Physicist (with specialization in Meteorology)</i>
• Level according to the national classification (if applicable)	<i>Master degree</i>

PERSONAL SKILLS AND COMPETENCE

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas

MOTHER LANGUAGE	Bulgarian
OTHER LANGUAGES	
	English
• Reading skills	good
• Writing skills	good
• Spoken skills	good
	Russian
• Reading skills	good
• Writing skills	good
• Spoken skills	good
	Italian
• Reading skills	good
• Writing skills	good
• Spoken skills	good
PUBLICATIONS IN PEER-REVIEWED JOURNALS WITH IMPACT FACTOR (OR SJR) AND NUMBER OF CITATIONS OF THE SCIENTIFIC PUBLICATIONS	SCOPUS ID NUMBER,.....PUBLICATIONS 7, CITATIONS 97 APPENDIX 1: LIST OF PUBLICATIONS INCLUDING CITATIONS FOR THE ENTIRE PERIOD OF RESEARCH ACTIVITY

PARTICIPATION IN
INTERNATIONAL SCIENTIFIC
CONFERENCES.

"2ND GMES OPERATIONAL CAPACITY WORKSHOP", SOFIA, ДАТИ 17-18 MARCH,
2011

"THE SECOND NATIONAL CONGRESS OF PHYSICAL SCIENCES", SOFIA, 25–29
SEPTEMBER 2013

„THE THIRD NATIONAL CONGRESS OF PHYSICAL SCIENCES“, SOFIA, 29 SEPTEMBER
– 2 OCTOBER 2016

.....

APPENDIX 2: EVIDENCE FOR PARTICIPATION IN INTERNATIONAL SCIENTIFIC CONFERENCES

PARTICIPATION IN PROJECTS
ON A COMPETITIVE BASIS, AS
A PROJECT
COORDINATOR/TASK
LEADER/SUBPROJECT LEADER
OR MEMBER OF THE
RESEARCH TEAM

"CITY VERSUS MOUNTAIN TROPOSPHERIC OZONE: THE SOFIA-PLANA REGION IN AN AIR
QUALITY AND ECOLOGICAL SUSTAINABILITY PERSPECTIVE", BULGARIAN NATIONAL SCIENCE
FUND - CONTRACT DO 02-127/2008-2011, MEMBER OF THE RESEARCH TEAM
„DEVELOPMENT OF THE NATIONAL RESEARCH INFRASTRUCTURE BULARGO AS A BULGARIAN
COMPONENT OF THE EURO-ARGO“, BULGARIAN NATIONAL SCIENCE FUND, CONTRACT
№02/22 - 17.12.2009, 2010-2012, MEMBER OF THE RESEARCH TEAM
".....",

AUTHORSHIP (FULL OR
SHARED) OF PATENTS, PATENT
APPLICATIONS, OR OTHER
REGISTERED OR PROTECTED
INTELLECTUAL PROPERTY
RIGHTS

AUTHORSHIP OF 0 NUMBER OF PATENTS, 0 NUMBER OF PATENT APPLICATIONS,...

PARTICIPATION IN EUROPEAN
SCIENTIFIC NETWORKS;

[Describe these competences and indicate where they were
acquired]

PARTICIPATION IN CONTRACTS
WITH THE INDUSTRY;

Contract with the 0 company [subject of the contract]

PARTICIPATION IN JOINT
INTERNATIONAL SCIENTIFIC
TEAMS AS INVITED
PARTICIPANT FOR PARTICULAR
RESEARCH TASKS, PROVEN BY
JOINT SCIENTIFIC
PUBLICATIONS IN REFEREED
JOURNALS WITH IMPACT
FACTOR ETC.

"PRESENT ANOXIA IN THE NORTHERN ADRIATIC SEA, THEIR SEDIMENTARY RECORDS IN
HISTORICAL TIME, THEIR INFLUENCES ON FISHING AND BENTHIC RESOURCES. MODELLING AND
FORECASTING (ANOCSEA)", A FIRB COORDINATED PROJECT OF THE ITALIAN MINISTRY
OF UNIVERSITY AND RESEARCH (MIUR), APPROVED FOR 2004 – 2006 YEARS.

**EXPERIENCE IN
IMPLEMENTATION AND/OR
MANAGEMENT OF NATIONAL
AND/OR INTERNATIONAL
SCIENTIFIC PROJECTS
DURING THE LAST 5 YEARS**

PROJECT ".....", CONTRACT №....

APPENDICES

APPENDIX 1: LIST OF PUBLICATIONS INCLUDING CITATIONS FOR
THE ENTIRE PERIOD OF RESEARCH ACTIVITY
APPENDIX 2: EVIDENCE FOR PARTICIPATION IN SCIENTIFIC
CONFERENCES WITH INTERNATIONAL IMPORTANCE

**I agree to take part in activities of the present project
"Sustained management of the marine environment and
resources".**

Signature:



Place, Date: Sofia, 15.01.2017

APPENDIX 1: LIST OF PUBLICATIONS INCLUDING CITATIONS FOR THE ENTIRE PERIOD OF RESEARCH ACTIVITY

ASSOC. PROF. NIKOLAY RACHEV

1. Mishev, D. N., Stanev, E. V., Milenova, L. I., and Rachev, N. H. (1991) Sea surface salinity analysis in the Western Black Sea on the base of satellite data, *Space Research in Bulg.*, **7**, 46-51 (in Russian).
2. Rachev, N. H., Roussenov, V. M., and Stanev, E. V. (1991) The Black Sea climatological wind stress, *Bulgarian J. Meteorol. and Hydrol.*, **2**, 72-79.
3. Stanev, E. V., V. M. Roussenov, N. H. Rachev and J. V. Staneva (1995) Sea response to atmospheric variability. Model study for the Black Sea, *J. Marine Systems.*, **6**, 241-267.
4. Staneva, J. V., Stanev, E. V., and Rachev, N. H. (1995) Heat balance estimates using atmospheric analysis data. A case study for the Black Sea, *J. Geoph. Res.*, **100** (C9), 18581- 18596.
5. Rachev, N. H. and Stanev, E. V. (1997) Eddy dynamics controlled by basin scale, coastline and topography, In: NATO series, E. Ozsoy and A. Mikaelyan (eds.), *Sensitivity to change: Black Sea, Baltic Sea and North Sea*, Kluwer Academic Publishers, Dordrecht, v. **27**, 341-364.
6. Rachev, N. H. and Stanev, E. V. (1997) Eddy processes in semi-enclosed seas: A case study for the Black Sea, *J. Physycal Oceanography*, **27**, 1581-1601.
7. Rachev, N. H. and Stanev, E. V. (1998) Rossby modes in semienclosed basins. Their relevance to dissipation and mixing in the Black Sea, In: NATO series, L. Ivanov and T. Oguz (eds.), *Ecosystem modeling as a management tool for the Black Sea*, Kluwer Academic Publishers, Dordrecht, v. **2**, 163-177.
8. Stanev, E. V. and Rachev, N. H. (1999) Numerical study on the planetary Rossby modes in the Black Sea, *J. Marine Systems*, **21**, 283-306.
9. Rachev, N., Purini, R., Armenio, V. and Fiorotto, V. (2001) La circolazione generale dell'Adriatico: sua simulazione mediante un numerico tri-dimensionale, Proceedings 'La difesa idraulica del territorio, 1999', V. Fiorotto and E. Caroni (eds.), Universita degli studi di Trieste, 483-501.
10. Rachev, N. and Purini, R. (2001) The Adriatic response to the bora forcing: a numerical study, *Il Nuovo Cimento*, **24 C**, 2, 303-311.
11. Rachev N., D. Dietrich, S. Piacsek, and R. Purini, (2001), The Effect of the Bora on the Adriatic Sea: a Comparison with Two Three-Dimensional Ocean Models, Proceedings of the *36th CIESM Congress*, Monaco, **36**, 77.
12. Rachev N., M.W. Qian, C. Giraud, N. Loglisci, A. Longhetto, and R. Purini, (2001), The combined use of the sea level and the SST to validate the coupling between atmospheric and marine models: An application to the Adriatic Sea, Proceedings of the workshop *Sea level in Europe: Observation, interpretation and exploitation*, Dubrovnik, Croatia, 62-65.
13. Rachev N., S. Piacsek, and R. Purini (2004) On the convection affecting the Terra Nova Bay polynya: A numerical study, Proceedings 'X Workshop on Italian Researchers on Antarctic Atmosphere and SCAR Workshop on Oceanography', **89**, 319-328.
14. Rachev N., S. Piacsek, and R. Purini (2005) Convective processes in the Terra Nova Bay polynya: A numerical preliminary study, Proceedings 'La difesa idraulica del territorio, 2003', Universita degli studi di Trieste, 715-727.
15. Loglisci, N., M. W. Qian, N. Rachev, C. Cassardo, A. Longhetto, R. Purini, P. Trivero, S. Ferrarese and C. Giraud (2004) Development of an atmosphere-ocean coupled model and its application over the Adriatic Sea during a severe weather event of Bora wind, *J. Geophys. Res.*, Vol.109, No.D1, D01102, doi10.1029/2003JD003956.
16. Rachev N., G. Catalano, F. Crisciani, C. Cantoni and R. Purini (2006) On the dynamical conditions concomitant with the bottom anoxia in the Northern Adriatic Sea: a numerical case study for the 1977 event, *Il Nuovo Cimento*, vol. 029/6, pp. 673-693, doi:10.1393/ncc/i2006-10026-x.
17. Rachev, N. H. (2007) Intercomparison of surface heat and water fluxes for the Adriatic Sea between ECMWF Re-Analysis (ERA-40) and climatological data sets, *Bulgarian Geophysical Journal*, **33**, 53-66

18. Peneva, E. L. and Rachev, N. H. (2008) Decadal –scale changes of the temperature and precipitations in Bulgaria for the period 1961-1990, *Annuaire de l'Universite "St. Kliment Ohridski", Faculte de Physique*, **101**, 39-53
19. Rachev N. H. and Purini, R. (2007) Numerical simulations of the Adriatic Sea autumn circulation, *Bulgarian Geophysical Journal*, **33**, 67-76
20. Rachev N. (2013) THE EDUCATION IN METEOROLOGY AND GEOPHYSICS AT FACULTY OF PHYSICS OF THE SOFIA UNIVERSITY „ST. KL. OHRIDSKI“ DURING THE PERIOD 1983 - 2013, THE SECOND NATIONAL CONGRESS OF PHYSICAL SCIENCES, HERON PRESS, ISBN 978-954-580-333-8 (in Bulgarian)
21. Рачев Н. (2015) Метеорологията и геофизиката в 125-годишната история на преподаване на физика в СУ „Св. Климент Охридски“, *Annual of Sofia University "St. Kliment Ohridski", Faculty of Physics*, v. Anniversary Edition, 2015, pp. 5-25 (in Bulgarian)
22. Topuzova E., N. Rachev (2015) Fogs over Burgas airport for the period 2008 - 2014 (2015), *Annual of Sofia University "St. Kliment Ohridski", Faculty of Physics*, v. 108, pp. 115-132 (in Bulgarian)
23. Rachev N., R. Raykov, R. Ivanov, K. Traykov (2015) Aviation hazardous weather conditions and atmospheric phenomena in summer in the vicinity of Plovdiv, *Annual of Sofia University "St. Kliment Ohridski", Faculty of Physics*, v.108, pp. 83-104 (in Bulgarian)
24. Rachev N., D. Dimitrova (2016) Changes in average temperatures and precipitation in Bulgaria for the period 1995-2012, *Annuaire de l'Université de Sofia "St. Kliment Ohridski", Faculté de Physique*, v.109 (in Bulgarian)
25. Rachev N., R. Raykov, A. Rusev (2016) Study of radiation fogs at Plovdiv airport, *Annuaire de l'Université de Sofia "St. Kliment Ohridski", Faculté de Physique*, v.109 (in Bulgarian)
26. Topuzova E., N. Rachev (2016) A FORECASTING METHOD OF THE RADIATION fogs at Burgas airport, *Annuaire de l'Université de Sofia "St. Kliment Ohridski", Faculté de Physique*, v.109 (in Bulgarian)

CITATIONS FROM SCOPUS

Rachev N., G. Catalano, F. Crisciani, C. Cantoni and R. Purini (2006) On the dynamical conditions concomitant with the bottom anoxia in the Northern Adriatic Sea: a numerical case study for the 1977 event, *Il Nuovo Cimento*, vol. 029/6, pp. 673-693, doi:10.1393/ncc/i2006-10026-x.

Djakovac, T., Supić, N., Bernardi Aubry, F., Degobbis, D., Giani, M., Mechanisms of hypoxia frequency changes in the northern Adriatic Sea during the period 1972-2012, (2015) *Journal of Marine Systems*, **141**, pp. 179-189. Cited 9 times. DOI: 10.1016/j.jmarsys.2014.08.001

Alvisi, F., Giani, M., Ravaioli, M., Giordano, P., Role of sedimentary environment in the development of hypoxia and anoxia in the NW Adriatic shelf (Italy), (2013) *Estuarine, Coastal and Shelf Science*, **128**, pp. 9-21. Cited 2 times. DOI: 10.1016/j.ecss.2013.05.012

Giani, M., Rampazzo, F., Berto, D., Humic acids contribution to sedimentary organic matter on a shallow continental shelf (northern Adriatic Sea), (2010) *Estuarine, Coastal and Shelf Science*, **90** (2), pp. 103-110. Cited 12 times. DOI: 10.1016/j.ecss.2010.07.006

Ferrarese, S., Cassardo, C., Elmi, A., Genovese, R., Longhetto, A., Manfrin, M., Richiardone, R., Response of temperature and sea surface circulation to a Sirocco wind event in the Adriatic basin: A model simulation (2008) *Journal of Marine Systems*, **74** (1-2), pp. 659-671. Cited 4 times. DOI: 10.1016/j.jmarsys.2008.07.003

Loggisci, N., M. W. Qian, N. Rachev, C. Cassardo, A. Longhetto, R. Purini, P. Trivero, S. Ferrarese and C. Giraud (2004) Development of an atmosphere-ocean coupled model and its application over the Adriatic Sea during a severe weather event of Bora wind, *J. Geophys. Res.*, Vol.109, No.D1, D01102, doi:10.1029/2003JD003956.

Ricchi, A., Miglietta, M.M., Falco, P.P., Benetazzo, A., Bonaldo, D., Bergamasco, A., Sclavo, M., Carniel, S., On the use of a coupled ocean-atmosphere-wave model during an extreme cold air outbreak over the

- Adriatic Sea, (2016) Atmospheric Research, 172-173, pp. 48-65. Cited 6 times. DOI: 10.1016/j.atmosres.2015.12.023
- Beg Paklar, G., Džoić, T., Dadić, V., Numerical study of the north adriatic circulation during two successive bora episodes [Numerička analiza cirkulacije u sjevernom Jadranu za vrijeme dvije uzastopne epizode bure], (2015) Acta Adriatica, 56 (1), pp. 115-138.
- De Santis, V., Caldara, M., The 5.5–4.5 kyr climatic transition as recorded by the sedimentation pattern of coastal deposits of the Apulia region, southern Italy, (2015) Holocene, 25 (8), pp. 1313-1329. DOI: 10.1177/0959683615584207
- Cannelli, G.B., De Marinis, E., Purini, R., Underwater archaeology and monitoring of environmental processes in the venice lagoon by an innovative integrated system of acoustical tomography and echography, (2012) 11th European Conference on Underwater Acoustics 2012, ECUA 2012, 34 2 (PART 3), pp. 1887-1894.
- Seo, H., Miller, A.J., Roads, J.O., The Scripps Coupled Ocean-Atmosphere Regional (SCOAR) Model, with applications in the eastern Pacific sector, (2007) Journal of Climate, 20 (3), pp. 381-402. Cited 62 times. DOI: 10.1175/JCLI4016.1
- Berrelli, G., Leuzzi, G., Purini, R., On storm surges induced by the Bora wind in the Lagoon of Venice, (2007) International Journal of Environment and Health, 1 (3), pp. 462-472.
- Pullen, J., Doyle, J.D., Signell, R.P., Two-way air-sea coupling: A study of the Adriatic, (2006) Monthly Weather Review, 134 (5), pp. 1465-1483. Cited 40 times. DOI: 10.1175/MWR3137.1
- Rachev, N. and Purini, R. (2001) The Adriatic response to the bora forcing: a numerical study, II**
Nuovo Cimento, 24 C, 2, 303-311.
- Chen, L., Zonneveld, K.A.F., Versteegh, G.J.M., Short term climate variability during "Roman Classical Period" in the eastern Mediterranean, (2011) Quaternary Science Reviews, 30 (27-28), pp. 3880-3891. Cited 14 times. DOI: 10.1016/j.quascirev.2011.09.024
- Ferrarese, S., Cassardo, C., Elmi, A., Genovese, R., Longhetto, A., Manfrin, M., Richiardone, R., Air-sea interactions in the Adriatic basin: Simulations of bora and sirocco wind events, (2009) Geofizika, 26 (2), pp. 157-170. Cited 3 times.
- Ferrarese, S., Cassardo, C., Elmi, A., Genovese, R., Longhetto, A., Manfrin, M., Richiardone, R., Response of temperature and sea surface circulation to a Sirocco wind event in the Adriatic basin: A model simulation, (2008) Journal of Marine Systems, 74 (1-2), pp. 659-671. Cited 4 times. DOI: 10.1016/j.jmarsys.2008.07.003
- Cushman-Roisin, B., Korotenko, K.A., Mesoscale-resolving simulations of summer and winter bora events in the Adriatic Sea, (2007) Journal of Geophysical Research: Oceans, 112 (11), art. no. C11S91, . Cited 16 times. DOI: 10.1029/2006JC003516
- Martin, P.J., Book, J.W., Doyle, J.D., Simulation of the northern Adriatic circulation during winter 2003, (2007) Journal of Geophysical Research: Oceans, 112 (3), art. no. C03S12, . Cited 1 time. DOI: 10.1029/2006JC003511
- Kuzmić, M., Janeković, I., Book, J.W., Martin, P.J., Doyle, J.D., Modeling the northern Adriatic double-gyre response to intense bora wind: A revisit, (2007) Journal of Geophysical Research: Oceans, 112 (3), art. no. C03S13, . Cited 33 times. DOI: 10.1029/2005JC003377
- Rachev, N., Catalano, G., Crisciani, F., Cantoni, C., Purini, R., On the dynamical conditions concomitant with the bottom anoxia in the Northern Adriatic Sea: A numerical case study for the 1977 event, (2006) Nuovo Cimento della Società Italiana di Fisica C, 29 (6), pp. 673-693. Cited 4 times. DOI: 10.1393/ncc/i2006-10026-x

- Cesini, D., Morelli, S., Parmiggiani, F., Analysis of an intense bora event in the Adriatic area, (2004) *Natural Hazards and Earth System Science*, 4 (2), pp. 323-337. Cited 9 times.
- Loglisci, N., Qian, M.W., Rachev, N., Cassardo, C., Longhetto, A., Purini, R., Trivero, P., Ferrarese, S., Giraud, C., Development of an atmospheric-ocean coupled model and its application over the Adriatic Sea during a severe weather event of Bora wind, (2004) *Journal of Geophysical Research D: Atmospheres*, 109 (1), . Cited 7 times.
- Stanev, E. V. and Rachev, N. H. (1999) Numerical study on the planetary Rossby modes in the Black Sea, *J. Marine Systems*, 21, 283-306.**
- Martin-Benito, D., Ummenhofer, C.C., Köse, N., Güner, H.T., Pederson, N., Tree-ring reconstructed May–June precipitation in the Caucasus since 1752 CE, (2016) *Climate Dynamics*, 47 (9-10), pp. 3011-3027. Cited 1 time. DOI: 10.1007/s00382-016-3010-1
- Bajo, M., Ferrarin, C., Dinu, I., Umgiesser, G., Stanica, A., The water circulation near the danube delta and the romanian coast modelled with finite elements, (2014) *Continental Shelf Research*, 78, pp. 62-74. Cited 5 times. DOI: 10.1016/j.csr.2014.02.006
- Ivanov, V.A., Bagaiev, A.V., Oscillation of hydrophysical fields on the shelf and continental slope caused by nonstationary wind, (2014) *Izvestiya - Atmospheric and Ocean Physics*, 50 (6), pp. 648-656. DOI: 10.1134/S0001433814060097
- Enriquez, C.E., Shapiro, G.I., Souza, A.J., Zatsepin, A.G., Hydrodynamic modelling of mesoscale eddies in the Black Sea, (2005) *Ocean Dynamics*, 55 (5-6), pp. 476-489. Cited 10 times. DOI: 10.1007/s10236-005-0031-4
- Kara, A.B., Wallcraft, A.J., Hurlburt, H.E., Sea surface temperature sensitivity to water turbidity from simulations of the turbid Black Sea using HYCOM, (2005) *Journal of Physical Oceanography*, 35 (1), pp. 33-54. Cited 44 times. DOI: 10.1175/JPO-2656.1
- Korotenko, K.A., Dietrich, D.E., Bowman, M.J., Modeling of the circulation and transport of oil spills in the Black Sea, (2003) *Oceanology*, 43 (4), pp. 474-484. Cited 10 times.
- Stanev, E.V., Bowman, M.J., Peneva, E.L., Staneva, J.V., Control of Black Sea intermediate water mass formation by dynamics and topography: Comparison of numerical simulations, surveys and satellite data, (2003) *Journal of Marine Research*, 61 (1), pp. 59-99. Cited 27 times. DOI: 10.1357/002224003321586417
- Stanev, E.V., Beckers, J.M., Lancelot, C., Staneva, J.V., Le Traon, P.Y., Peneva, E.L., Gregoire, M., Coastal-open ocean exchange in the Black Sea: Observations and modelling, (2002) *Estuarine, Coastal and Shelf Science*, 54 (3), pp. 601-620. Cited 24 times. DOI: 10.1006/ecss.2000.0668
- Sokolova, E., Stanev, E.V., Yakubenko, V., Ovchinnikov, I., Kos'yan, R., Synoptic variability in the Black Sea. Analysis of hydrographic survey and altimeter data, (2001) *Journal of Marine Systems*, 31 (1-3), pp. 45-63. Cited 10 times. DOI: 10.1016/S0924-7963(01)00046-X
- Stanev, E.V., Peneva, E.L., Regional sea level response to global climatic change: Black Sea examples, (2001) *Global and Planetary Change*, 32 (1), pp. 33-47. Cited 67 times. DOI: 10.1016/S0921-8181(01)00148-5
- Staneva, J.V., Dietrich, D.E., Stanev, E.V., Bowman, M.J., Rim Current and coastal eddy mechanisms in an eddy-resolving Black Sea general circulation model, (2001) *Journal of Marine Systems*, 31 (1-3), pp. 137-157. Cited 65 times. DOI: 10.1016/S0924-7963(01)00050-1
- Stanev, E.V., Staneva, J.V., The impact of the baroclinic eddies and basin oscillations on the transitions between different quasi-stable states of the Black Sea circulation, (2000) *Journal of Marine Systems*, 24 (1-2), pp. 3-26. Cited 21 times. DOI: 10.1016/S0924-7963(99)00076-7

- Rachev, N. H. and Stanev, E. V. (1997) Eddy processes in semi-enclosed seas: A case study for the Black Sea, *J. Physical Oceanography*, 27, 1581-1601.**
- Biton, E., Gildor, H., On the origin of a chain of eddies in the Gulf of Eilat/Aqaba, (2016) *Journal of Physical Oceanography*, 46 (8), pp. 2269-2284. DOI: 10.1175/JPO-D-15-0208.1
- Gunduz, M., Özsoy, E., Modelling seasonal circulation and thermohaline structure of the Caspian Sea, (2014) *Ocean Science*, 10 (3), pp. 459-471. Cited 1 time. DOI: 10.5194/os-10-459-2014
- Cessi, P., Pinardi, N., Lyubartsev, V., Energetics of semienclosed basins with two-layer flows at the strait, (2014) *Journal of Physical Oceanography*, 44 (3), pp. 967-979. Cited 9 times. DOI: 10.1175/JPO-D-13-0129.1
- Biton, E., Gildor, H., Energy budget of a small convectively driven marginal sea: The Gulf of Eilat/Aqaba (northern Red Sea), (2014) *Journal of Physical Oceanography*, 44 (7), pp. 1954-1972. Cited 3 times. DOI: 10.1175/JPO-D-13-0220.1
- Ivanov, V.A., Bagaiev, A.V., Oscillation of hydrophysical fields on the shelf and continental slope caused by nonstationary wind, (2014) *Izvestiya - Atmospheric and Ocean Physics*, 50 (6), pp. 648-656. DOI: 10.1134/S0001433814060097
- Zhan, P., Subramanian, A.C., Yao, F., Hoteit, I., Eddies in the Red Sea: A statistical and dynamical study, (2014) *Journal of Geophysical Research: Oceans*, 119 (6), pp. 3909-3925. Cited 14 times. DOI: 10.1002/2013JC009563
- Biton, E., Gildor, H., The coupling between exchange flux through a strait and dynamics in a small convectively driven marginal sea: The Gulf of Aqaba (Gulf of Eilat), (2011) *Journal of Geophysical Research: Oceans*, 116 (6), art. no. C06017, . Cited 7 times. DOI: 10.1029/2011JC006944
- Tuzhilkin, V.S., Thermohaline structure of the sea, (2008) *Handbook of Environmental Chemistry, Volume 5: Water Pollution*, 5 Q, pp. 217-253. Cited 4 times. DOI: 10.1007/698_5_077
- Ivanov, L.M., Melnichenko, O.V., Collins, C.A., Ereemeev, V.N., Motyzhev, S.V., Wind induced oscillator dynamics in the Black Sea revealed by Lagrangian drifters, (2007) *Geophysical Research Letters*, 34 (13), art. no. L13609, . Cited 2 times. DOI: 10.1029/2007GL030263
- Poulain, P.-M., Barbanti, R., Motyzhev, S., Zatsepin, A., Statistical description of the Black Sea near-surface circulation using drifters in 1999-2003, (2005) *Deep-Sea Research Part I: Oceanographic Research Papers*, 52 (12), pp. 2250-2274. Cited 30 times. DOI: 10.1016/j.dsr.2005.08.007
- Kara, A.B., Wallcraft, A.J., Hurlburt, H.E., Sea surface temperature sensitivity to water turbidity from simulations of the turbid Black Sea using HYCOM, (2005) *Journal of Physical Oceanography*, 35 (1), pp. 33-54. Cited 44 times. DOI: 10.1175/JPO-2656.1
- Kourafalou, V., Tsiaras, K., Staneva, J., Numerical studies on the dynamics of the northwestern black sea shelf, (2004) *Mediterranean Marine Science*, 5 (1), pp. 133-142. Cited 4 times.
- Stanev, E.V., Bowman, M.J., Peneva, E.L., Staneva, J.V., Control of Black Sea intermediate water mass formation by dynamics and topography: Comparison of numerical simulations, surveys and satellite data, (2003) *Journal of Marine Research*, 61 (1), pp. 59-99. Cited 27 times. DOI: 10.1357/002224003321586417
- Stanev, E.V., Beckers, J.M., Lancelot, C., Staneva, J.V., Le Traon, P.Y., Peneva, E.L., Gregoire, M., Coastal-open ocean exchange in the Black Sea: Observations and modelling, (2002) *Estuarine, Coastal and Shelf Science*, 54 (3), pp. 601-620. Cited 24 times. DOI: 10.1006/ecss.2000.0668
- Stanev, E.V., Peneva, E.L., Regional sea level response to global climatic change: Black Sea examples, (2001) *Global and Planetary Change*, 32 (1), pp. 33-47. Cited 67 times. DOI: 10.1016/S0921-8181(01)00148-5

Staneva, J.V., Dietrich, D.E., Stanev, E.V., Bowman, M.J., Rim Current and coastal eddy mechanisms in an eddy-resolving Black Sea general circulation model, (2001) *Journal of Marine Systems*, 31 (1-3), pp. 137-157. Cited 65 times. DOI: 10.1016/S0924-7963(01)00050-1

Stanev, E.V., Staneva, J.V., The sensitivity of the heat exchange at sea surface to meso and sub-basin scale eddies model study for the Black Sea, (2001) *Dynamics of Atmospheres and Oceans*, 33 (3), pp. 163-189. Cited 16 times. DOI: 10.1016/S0377-0265(00)00063-4

Kourafalou, V.H., Stanev, E.V., Modeling the impact of atmospheric and terrestrial inputs on the Black Sea coastal dynamics, (2001) *Annales Geophysicae*, 19 (2), pp. 245-256. Cited 9 times.

Stanev, E.V., Le Traon, P.-Y., Peneva, E.L., Sea level variations and their dependency on meteorological and hydrological forcing: Analysis of altimeter and surface data for the Black Sea, (2000) *Journal of Geophysical Research: Oceans*, 105 (C7), art. no. 1999JC900318, pp. 17203-17216. Cited 49 times.

Stanev, E.V., Staneva, J.V., The impact of the baroclinic eddies and basin oscillations on the transitions between different quasi-stable states of the Black Sea circulation, (2000) *Journal of Marine Systems*, 24 (1-2), pp. 3-26. Cited 21 times. DOI: 10.1016/S0924-7963(99)00076-7

Stanev, E.V., Beckers, J.-M., Numerical simulations of seasonal and interannual variability of the Black Sea thermohaline circulation, (1999) *Journal of Marine Systems*, 22 (4), pp. 241-267. Cited 23 times. DOI: 10.1016/S0924-7963(99)00043-3

Stanev, E.V., Rachev, N.H., Numerical study on the planetary Rossby modes in the Black Sea, (1999) *Journal of Marine Systems*, 21 (1-4), pp. 283-306. Cited 12 times. DOI: 10.1016/S0924-7963(99)00019-6

Staneva, J.V., Stanev, E.V., Oceanic response to atmospheric forcing derived from different climatic data sets. Intercomparison study for the Black Sea, (1998) *Oceanologica Acta*, 21 (3), pp. 393-417. Cited 56 times. DOI: 10.1016/S0399-1784(98)80026-1

Staneva, J. V., Stanev, E. V., and Rachev, N. H. (1995) Heat balance estimates using atmospheric analysis data. A case study for the Black Sea, *J. Geoph. Res.*, 100 (C9), 18581- 18596.

Stanev, E.V., Kandilarov, R., Sediment dynamics in the Black Sea: Numerical modelling and remote sensing observations, (2012) *Ocean Dynamics*, 62 (4), pp. 533-553. Cited 9 times. DOI: 10.1007/s10236-012-0520-1

Kazmin, A.S., Zatsepin, A.G., Kontoyiannis, H., Comparative analysis of the long-term variability of winter surface temperature in the Black and Aegean seas during 1982-2004 associated with the large-scale atmospheric forcing, (2010) *International Journal of Climatology*, 30 (9), pp. 1349-1359. Cited 9 times. DOI: 10.1002/joc.1985

Grayek, S., Stanev, E.V., Kandilarov, R., On the response of Black Sea level to external forcing: Altimeter data and numerical modelling, (2010) *Ocean Dynamics*, 60 (1), pp. 123-140. Cited 11 times. DOI: 10.1007/s10236-009-0249-7

Sarkisyan, A.S., Sündermann, J.E., Modelling ocean climate variability, (2009) *Modelling Ocean Climate Variability*, pp. 1-374. Cited 11 times. DOI: 10.1007/978-1-4020-9208-4

Kazmin, A.S., Zatsepin, A.G., Long-term variability of surface temperature in the Black Sea, and its connection with the large-scale atmospheric forcing, (2007) *Journal of Marine Systems*, 68 (1-2), pp. 293-301. Cited 19 times. DOI: 10.1016/j.jmarsys.2007.01.002

Matsoukas, C., Banks, A.C., Pavlakis, K.G., Hatzianastassiou, N., Stackhouse Jr., P.W., Vardavas, I., Seasonal heat budgets of the Red and Black seas, (2007) *Journal of Geophysical Research: Oceans*, 112 (10), art. no. C10017, . Cited 9 times. DOI: 10.1029/2006JC003849

Ginzburg, A.I., Kostianoy, A.G., Sheremet, N.A., Seasonal and interannual variability of the Black Sea surface temperature as revealed from satellite data (1982-2000), (2004) *Journal of Marine Systems*, 52 (1-4), pp. 33-50. Cited 35 times. DOI: 10.1016/j.jmarsys.2004.05.002

Chu, P.C., Ivanov, L.M., Korzhova, T.P., Margolina, T.M., Melnichenko, O.V., Analysis of sparse and noisy ocean current data using flow decomposition. Part II: Applications to eulerian and lagrangian data, (2003) Journal of Atmospheric and Oceanic Technology, 20 (4), pp. 492-512. Cited 21 times. DOI: 10.1175/1520-0426(2003)20<492:AOSANO>2.0.CO;2

Stanev, E.V., Beckers, J.M., Lancelot, C., Staneva, J.V., Le Traon, P.Y., Peneva, E.L., Gregoire, M., Coastal-open ocean exchange in the Black Sea: Observations and modelling, (2002) Estuarine, Coastal and Shelf Science, 54 (3), pp. 601-620. Cited 24 times. DOI: 10.1006/ecss.2000.0668

Schrum, C., Staneva, J., Stanev, E., Özsoy, E., Air-sea exchange in the Black Sea estimated from atmospheric analysis for the period 1979-1993, (2001) Journal of Marine Systems, 31 (1-3), pp. 3-19. Cited 16 times. DOI: 10.1016/S0924-7963(01)00043-4

Stanev, E.V., Staneva, J.V., The sensitivity of the heat exchange at sea surface to meso and sub-basin scale eddies model study for the Black Sea, (2001) Dynamics of Atmospheres and Oceans, 33 (3), pp. 163-189. Cited 16 times. DOI: 10.1016/S0377-0265(00)00063-4

Staneva, J.V., Buesseler, K.O., Stanev, E.V., Livingston, H.D., The application of radiotracers to a study of Black Sea circulation: Validation of numerical simulations against observed weapons testing and Chernobyl 137Cs data, (1999) Journal of Geophysical Research: Oceans, 104 (C5), art. no. 1998JC900121, pp. 11099-11114. Cited 15 times.

Staneva, J.V., Stanev, E.V., Oceanic response to atmospheric forcing derived from different climatic data sets. Intercomparison study for the Black Sea, (1998) Oceanologica Acta, 21 (3), pp. 393-417. Cited 56 times. DOI: 10.1016/S0399-1784(98)80026-1

Gulev, S.K., Climatologically significant effects of space-time averaging in the North Atlantic sea-air heat flux fields, (1997) Journal of Climate, 10 (11), pp. 2743-2763. Cited 18 times.

Stanev, E.V., Staneva, J.V., Roussenov, V.M., On the Black Sea water mass formation. Model sensitivity study to atmospheric forcing and parameterizations of physical processes, (1997) Journal of Marine Systems, 13 (1-4), pp. 245-272. Cited 24 times. DOI: 10.1016/S0924-7963(96)00115-7

Stanev, E. V., V. M. Roussenov, N. H. Rachev and J. V. Staneva (1995) Sea response to atmospheric variability. Model study for the Black Sea, *J. Marine Systems.*, 6, 241-267.

Vandenbulcke, L., Barth, A., A stochastic operational forecasting system of the Black Sea: Technique and validation, (2015) Ocean Modelling, 93, pp. 7-21. Cited 3 times. DOI: 10.1016/j.ocemod.2015.07.010

Shapiro, G.I., Wobus, F., Aleynik, D.L., Seasonal and inter-annual temperature variability in the bottom waters over the western Black Sea shelf, (2011) Ocean Science, 7 (5), pp. 585-596. Cited 2 times. DOI: 10.5194/os-7-585-2011

Enriquez, C., Mariño-Tapia, I.J., Herrera-Silveira, J.A., Dispersion in the Yucatan coastal zone: Implications for red tide events, (2010) Continental Shelf Research, 30 (2), pp. 127-137. Cited 35 times. DOI: 10.1016/j.csr.2009.10.005

Sarkisyan, A.S., Sündermann, J.E., Modelling ocean climate variability, (2009) Modelling Ocean Climate Variability, pp. 1-374. Cited 11 times. DOI: 10.1007/978-1-4020-9208-4

Matsoukas, C., Banks, A.C., Pavlakis, K.G., Hatzianastassiou, N., Stackhouse Jr., P.W., Vardavas, I., Seasonal heat budgets of the Red and Black seas, (2007) Journal of Geophysical Research: Oceans, 112 (10), art. no. C10017, . Cited 9 times. DOI: 10.1029/2006JC003849

Poulain, P.-M., Barbanti, R., Motychev, S., Zatsepin, A., Statistical description of the Black Sea near-surface circulation using drifters in 1999-2003, (2005) Deep-Sea Research Part I: Oceanographic Research Papers, 52 (12), pp. 2250-2274. Cited 30 times. DOI: 10.1016/j.dsr.2005.08.007

- Enriquez, C.E., Shapiro, G.I., Souza, A.J., Zatsepin, A.G., Hydrodynamic modelling of mesoscale eddies in the Black Sea, (2005) *Ocean Dynamics*, 55 (5-6), pp. 476-489. Cited 10 times. DOI: 10.1007/s10236-005-0031-4
- Kara, A.B., Wallcraft, A.J., Hurlburt, H.E., Sea surface temperature sensitivity to water turbidity from simulations of the turbid Black Sea using HYCOM, (2005) *Journal of Physical Oceanography*, 35 (1), pp. 33-54. Cited 44 times. DOI: 10.1175/JPO-2656.1
- Kourafalou, V., Tsiaras, K., Staneva, J., Numerical studies on the dynamics of the northwestern black sea shelf, (2004) *Mediterranean Marine Science*, 5 (1), pp. 133-142. Cited 4 times.
- Korotaev, G.K., Khomenko, G.A., Lagrangian transport by currents variable in time in the model of wind-induced circulation of the Black Sea, (2003) *Physical Oceanography*, 13 (2), pp. 75-87. DOI: 10.1023/A:1023744312973
- Stanev, E.V., Bowman, M.J., Peneva, E.L., Staneva, J.V., Control of Black Sea intermediate water mass formation by dynamics and topography: Comparison of numerical simulations, surveys and satellite data, (2003) *Journal of Marine Research*, 61 (1), pp. 59-99. Cited 27 times. DOI: 10.1357/002224003321586417
- Maderich, V., Konstantinov, S., Seasonal dynamics of the system sea-strait: Black Sea-Bosphorus case study, (2002) *Estuarine, Coastal and Shelf Science*, 55 (2), pp. 183-196. Cited 2 times. DOI: 10.1006/ecss.2001.0895
- Knysh, V.V., Demyshev, S.G., Korotaev, G.K., A procedure of reconstruction of the climatic seasonal circulation in the Black Sea based on the assimilation of hydrological data in the model, (2002) *Physical Oceanography*, 12 (2), pp. 88-103. Cited 1 time. DOI: 10.1023/A:1014869107470
- Beckers, J.M., Gregoire, M., Nihoul, J.C.J., Stanev, E., Staneva, J., Lancelot, C., Modelling the Danube-influenced north-western continental shelf of the Black Sea. I: Hydrodynamical processes simulated by 3-D and box models, (2002) *Estuarine, Coastal and Shelf Science*, 54 (3), pp. 453-472. Cited 28 times. DOI: 10.1006/ecss.2000.0658
- Kordzadze, A.A., Girgvliani, A.G., Parameterization of the Coriolis force in a numerical model of the seasonal evolution of the hydrodynamics of the Black Sea, (2001) *Oceanology*, 41 (6), pp. 791-798.
- Stanev, E.V., Staneva, J.V., The sensitivity of the heat exchange at sea surface to meso and sub-basin scale eddies model study for the Black Sea, (2001) *Dynamics of Atmospheres and Oceans*, 33 (3), pp. 163-189. Cited 16 times. DOI: 10.1016/S0377-0265(00)00063-4
- Kourafalou, V.H., Stanev, E.V., Modeling the impact of atmospheric and terrestrial inputs on the Black Sea coastal dynamics, (2001) *Annales Geophysicae*, 19 (2), pp. 245-256. Cited 9 times.
- Saenko, O.A., Knysh, V.V., Korotaev, G.K., Reconstruction of the seasonal climate of the Black Sea on the basis of available hydrological data, (2000) *Physical Oceanography*, 11 (1), pp. 23-46.
- Shapiro, N.B., Formation of a circulation in the quasiisopycnic model of the Black Sea taking into account the stochastic nature of the wind stress, (2000) *Physical Oceanography*, 10 (6), pp. 513-531. Cited 3 times.
- Stanev, E.V., Staneva, J.V., The impact of the baroclinic eddies and basin oscillations on the transitions between different quasi-stable states of the Black Sea circulation, (2000) *Journal of Marine Systems*, 24 (1-2), pp. 3-26. Cited 21 times. DOI: 10.1016/S0924-7963(99)00076-7
- Stanev, E.V., Beckers, J.-M., Numerical simulations of seasonal and interannual variability of the Black Sea thermohaline circulation, (1999) *Journal of Marine Systems*, 22 (4), pp. 241-267. Cited 23 times. DOI: 10.1016/S0924-7963(99)00043-3
- Trukhchev, D.I., Ivanov, D.V., Ibraev, R.A., Current diagnosis over the "Diffuziya-84" test area at the western shelf of the Black Sea, (1999) *Oceanology*, 39 (4), pp. 474-482.

Staneva, J.V., Buesseler, K.O., Stanev, E.V., Livingston, H.D., The application of radiotracers to a study of Black Sea circulation: Validation of numerical simulations against observed weapons testing and Chernobyl 137Cs data, (1999) *Journal of Geophysical Research: Oceans*, 104 (C5), art. no. 1998JC900121, pp. 11099-11114. Cited 15 times.

Stanev, E.V., Beckers, J.M., Barotropic and baroclinic oscillations in strongly stratified ocean basins numerical study of the Black Sea, (1999) *Journal of Marine Systems*, 19 (1-3), pp. 65-112. Cited 21 times. DOI: 10.1016/S0924-7963(98)00024-4

Staneva, J.V., Stanev, E.V., Oceanic response to atmospheric forcing derived from different climatic data sets. Intercomparison study for the Black Sea, (1998) *Oceanologica Acta*, 21 (3), pp. 393-417. Cited 56 times. DOI: 10.1016/S0399-1784(98)80026-1

Stanev, E.V., Staneva, J.V., Roussenov, V.M., On the Black Sea water mass formation. Model sensitivity study to atmospheric forcing and parameterizations of physical processes, (1997) *Journal of Marine Systems*, 13 (1-4), pp. 245-272. Cited 24 times. DOI: 10.1016/S0924-7963(96)00115-7

Rachev, N.H., Stanev, E.V., Eddy processes in semienclosed seas: A case study for the Black Sea, (1997) *Journal of Physical Oceanography*, 27 (8), pp. 1581-1601. Cited 23 times.

APPENDIX 2: EVIDENCE FOR PARTICIPATION IN SCIENTIFIC CONFERENCES WITH INTERNATIONAL IMPORTANCE FOR THE PERIOD OF 2011-2015[†]

PENEVA E., M. MILANOVA, A. GENCHEVA, N. RACHEV, THE NEW ARGO MONITORING OF THE BLACK SEA. THE PERSPECTIVES OF THE BULARGO NATIONAL RESEARCH INFRASTRUCTURE, "2ND GMES OPERATIONAL CAPACITY WORKSHOP", SOFIA, 17-18 MARCH, 2011

RACHEV N., THE EDUCATION IN METEOROLOGY AND GEOPHYSICS AT FACULTY OF PHYSICS OF THE SOFIA UNIVERSITY „ST. KL. OHRIDSKI“ DURING THE PERIOD 1983 - 2013, "THE SECOND NATIONAL CONGRESS OF PHYSICAL SCIENCES", SOFIA, 25–29 SEPTEMBER 2013, PLENARY LECTURE

RACHEV N., 70TH ANNIVERSARY OF THE DEPARTMENT OF METEOROLOGY AND GEOPHYSICS, „THE THIRD NATIONAL CONGRESS OF PHYSICAL SCIENCES“, SOFIA, 29 SEPTEMBER – 2 OCTOBER 2016, PLENARY LECTURE

ДИПЛОМА

ЗА ОБРАЗОВАТЕЛНА И НАУЧНА СТЕПЕН

ДОКТОР

№ 26604

СОФИЯ 10.04.2000 19 г.

РЕПУБЛИКА БЪЛГАРИЯ
МИНИСТЕРСКИ СЪВЕТ
ВИСША АТЕСТАЦИОННА КОМИСИЯ

ВИСШАТА АТЕСТАЦИОННА КОМИСИЯ

ДАДЕ на НИКОЛАЙ ХАРАЛАНОВ РАЧЕВ

роден на 05.02.1961 г. в гр. Велико Търново

ОБРАЗОВАТЕЛНАТА И НАУЧНА СТЕПЕН

ДОКТОР

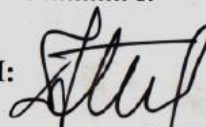
протокол 06

НАУЧЕН СЕКРЕТАР:



08.02.2000
№ 01 19 г.

ПРЕДСЕДАТЕЛ:



TRANSLATION IN ENGLISH
DIPLOMA
FOR SCIENTIFIC AND EDUCATIONAL DEGREE

No: 26604

PhD
Sofia

Date: 10. 04. 2000

REPUBLIC OF BULGARIA
MINISTRY COUNCIL
HIGHER ATTESTATION COMMISSION

HIGHER ATTESTATION COMMISSION

Awarded Nikolay Haralanov Rachev

Born at 15.02.1961 in Veliko Tarnovo
the scientific and educational degree
PhD

Commission 06, Record No 2 from 08.02.2000

Signed: Scientific secretary President
Stamp: Ministry Council, Higher Attestation Commission

СОФИЙСКИ УНИВЕРСИТЕТ "СВЕТИ КЛИМЕНТ ОХРИДСКИ"

предприятие

ДОПЪЛНИТЕЛНО СПОРАЗУМЕНИЕ

№ *PD 22-1848* / 09.10.2015

КЪМ ТРУДОВ ДОГОВОР

№ 406 / 23.1.1991 г.

Днес *09.10.2015* в гр. София, на основание **чл.119 от Кодекса на труда,**

доклад с вх. № 70.06-617/01.10.2015 г. от проф. дфн Ал. Драйшу - Декан на Физическия факултет и решение на Факултетния съвет на ФзФ, Протокол № 12 от 29.09.2015 г. за избор на ръководител на катедра

страните по трудов договор **№ 406 / 23.1.1991 г.**

проф. дин Иван Илчев - РЕКТОР на СУ "Св. Климент Охридски" - София

адрес бул."Цар Освободител" 15, БУЛСТАТ 000670680, Данъчен No 1220022435 - наричан **РАБОТОДАТЕЛ**

и Николай Хараланов Рачев

наричан/а/ служител/ работник

собствено, бащино и фамилно име на лицето по паспорт

постоянен адрес: **гр./с. София, ПК 1504, бул. "Янко Сакъзов" 21 вх. А ет. 2 ап. 5**

адрес по местоживееене: **гр./с. София, ПК 1504, бул. "Янко Сакъзов" 21 вх. А ет. 2 ап. 5**

ЕГН **6102057000** , Л.К. No **626320139** , изд. на **09.11.2009** г. от **МВР София**

с образование: **Висше, степен магистър и специалност физика**

Диплома **№ 098346 от 25.11.1983 г., СУ "Св. Климент Охридски" - Физически факултет**

и друга специалност:

Свидетелство № 24946 от 12.05.2008 г. на ВАК, Комисия 06, Протокол №2 от 11.03.2008 г. за научно звание доцент

Диплома № 26604 от 10.04.2000г. на ВАК, Протокол 06, № 2 от 08.02.2000 г. за присъждане на образователна и научна степен "доктор"

не е пенсиониран

с трудов стаж: **31г. 0м. 15д.**

в т.ч. по специалността:

ПРИЕХА СЛЕДНОТО СПОРАЗУМЕНИЕ КЪМ ТРУДОВИЯ ДОГОВОР:

1. Място на работа: **СУ "Св. Климент Охридски"**

Физически факултет

Катедра "Метеорология и геофизика"

2. РАБОТОДАТЕЛЯТ възлага, а СЛУЖИТЕЛЯТ/РАБОТНИКЪТ приема :

от длъжност: **доцент**

да заеме длъжността: **доцент, ръководител на катедра "Метеорология и геофизика"**

с шифър по НКПД: **1345 9012**, категория персонал: **ръководни служители**

която включва отговорностите изброени в приложената длъжностна характеристика, с която служителят /работникът/ предварително се е запознал и му е връчен екземпляр от нея.

3. Заемане на длъжността считано от:

29.9.2015 г.

4. Времетраене на трудовото правоотношение: **неопределено време**

5. Размер на основния платен годишен отпуск:

48 дни

6. Срокът за предизвестяване при прекратяване на настоящия трудов договор за двете страни се определя съгласно чл. 326, ал.2 от КТ и е 30 дни.

7. Основно месечно трудово възнаграждение: **осемстотин и четиридесет лв.**

840.00 лв.

/по класификатор от 01.01.2015 г./

Допълнителни възнаграждения за:

а) придобит трудов стаж и професионален опит по 1.5% за всяка прослужена година
46.5% за прослужени 31 г.

390.60 лв.

TRANSLATION IN ENGLISH
Sofia University "St. Kliment Ohridski"

additional agreement N PД22-1847/09.10.2015

to the employment contract N 406/23.01.1991

Today, in Sofia, pursuant art. 119 of the Labour Code, the report with incoming number 70-06-

617/01.10.2015 from Prof. Dr.Sc. Alexander Dreishu, Dean of Faculty of Physics and decision of the Faculty

Council protocol N 12/29.09.2015 for election of Head of Department

the parties to the employment contract N 406/23.01.1991

Prof. Dr. Ivan Ilchev – Rector of Sofia University "St. Kliment Ohridski", address Tsar Osvoboditel 15, Sofia, VAT 000670680, tax number 1220022435 – nominated further as Employer

and **Nikolay Haralanov Rachev** – nominated further as Employee

permanent address: Sofia 1504, 21, Yanko Sakazov Blvd, entr. A, fl. 2, ap.5

present address: Sofia 1504, 21, Yanko Sakazov Blvd, entr. A, fl. 2, ap.5

personal number 6102057000, id 626320139 issued on 09.11.2009 from MVR region Sofia

education: high MSc. in Physics

diploma N 098346/25.11.1983, Sofia University "St. Kliment Ohridski", Faculty of Physics

and other specialty

Diploma N 24946 / 12.05.2008 of Higher Attestation Commission, Commission 06, protocol N 2/11.03.2008 for academic title Associated Professor

Diploma N 26604 / 10.04.2000 of Higher Attestation Commission, protocol 6 N 2 /08.02.2000 for assignment of educational and scientific degree PhD

not retired, time of service 31y 0m 15d

AGREED TO THIS ADDITION TO THE EMPLOYMENT CONTRACT:

1. Place of employment – Sofia University "St. Kliment Ohridski"-Sofia, Faculty of Physics, Department of Meteorology and Geophysics

2. The Employer assigns and the Employee accepts the assignment from Assoc. Prof. to Assoc. Prof, Head of Department Meteorology and Geophysics

with code according to the national qualification 13459012, personnel category senior officials,

which includes the responsibilities listed in the attached job description, of which the Employee is priory informed and served a copy.

3. The assignment is due from 29.09.2015

4. Period of the assignment is undetermined.

5. The paid annual leave is determined to 48 days

6. The warning period for termination of this agreement for both parties is determined in accordance with Art. 326 p. 2 of the Labour Code and is determined as 30 days.

7. The basic monthly remuneration is eight hundred and forty (840) BGN according to the classification of 01.01.2015.

Additional remuneration:

a) acquired seniority and experience of 1.5% per year of service –
46.5% per 31 years of service - 390.60 BGN.

b) PhD degree - 240 BGN

c) Head of Department (staff of 11 employees) – 90 BGN

The remuneration is paid in two parts for a month – 15 and last day of the current month

8. Working hours per day: full time – 8 hours

9. Other condition of agreement:

Nikolay Haralanov Rachev accepts the assignment head of Department Meteorology and Geophysics according to decision of Faculty of Physics Council due since 29.09.2015 to the end of the mandate 29.09.2019

It is required a prior consent of the Rector of the Sofia University "St. Kliment Ohridski" on the secondment with other employer.

The current additional agreement to the employment contract N 406/23.01.1991 is released in 5 copies, of which one is for the Employee.

Signed: Employee, Rector, Responsible for agreement preparation

Human Resources Sector Responsible, Head accountant, Head jurist consult

Stamp: Sofia University "St. Kliment Ohridski"

The agreement is received by the Employee on the date

Signed: Employee

Printed on date 6.10.2015