

СПИСЪК НА ПУБЛИКАЦИИТЕ

(съгласно чл. 53 ал. 4 т. 8 на Раздел четвърти на Правилника за прилагане на Закона за развитието на академичния състав в Националния институт по метеорология и хидрология – БАН)

Публикации, представени за придобиване на образователната и научна степен “доктор” (общо 13 броя)

- Статии с импакт-фактор (ISI Thomson Reuters Impact Factor) и/или SJR (SCImago Journal and Country Rank) импакт ранг (3 броя)

1. **Chervenkov, H.** (2007) “Assessment of the Material Deterioration in Bulgaria due to the Air Pollution” International Journal of Environment and Pollution (ISSN 1741-5101, 0957-4352), vol. 31 № 3-4 pp. 385-393 DOI: 10.1504/IJEP.2007.016504

2. **Chervenkov, H.**, Syrakov, D., Prodanova, M. (2008) “Estimation of the Exchange of Sulphur Pollution over the Balkan Region in 1995-2000” International Journal of Environment and Pollution (ISSN 1741-5101, 0957-4352), vol. 32 № 2 pp. 149-161 DOI: 10.1504/IJEP.2008.017100

3. **Chervenkov, H.**, Syrakov, D., Prodanova, M. (2006) “On the Sulphur Pollution over the Balkan Region” Lecture Notes in Computer Science (ISSN 0302-9743), vol. 3743, pp. 481–489, Springer

- Други статии и пълнотекстови публикации в сборници от конференции (10 броя)

1. Syrakov, E., **Chervenkov, H.** (2001) “Some Aspects on the Joint Effect of Topography, Thermal Horizontal Nonhomogeneties and Surface Friction on the Synoptic Vertical Motions on the top of PBL. Part I Method and General Analysis” Bulgarian Journal of Meteorology & Hydrology (ISSN: 0861-0762) vol. 12 2001 № 3 - 4, pp. 97-110

2. Syrakov, E., **Chervenkov, H.** (2001) “Some Aspects on the Joint Effect of Topography, Thermal Horizontal Nonhomogeneties and Surface Friction on the Synoptic Vertical Motions on the top of PBL. Part II Effect Assessment for Chosen Cases” Bulgarian Journal of Meteorology & Hydrology (ISSN: 0861-0762) vol. 13 2002 № 1 - 2, pp. 1-10

3. Shopova, N., **Chervenkov, H.** (2003) “Presentation of a Software Application for Processing Agrometeorological Information Operating under MS-Windows” Bulgarian Journal of Meteorology & Hydrology (ISSN 0861-0762) vol. 14 2003 № 1-2, pp. 38-44

4 **Chervenkov, H.** (2006) “Estimation of the Exchange of Sulphur Pollution in the Southeast Europe” Journal of Environmental Protection and Ecology (ISSN: 1311-5065) vol.7, № 1, pp. 10 - 18

5. **Chervenkov, H.**, Syrakov, D., Prodanova, M. (2005) “On the Sulphur Pollution over the Balkan Region” Bulgarian Journal of Meteorology & Hydrology (ISSN: 0861-0762) vol. 14 2003 № 3 - 4 pp. 66-77

6. **Chervenkov, H.** (2005) "Estimation of the Exchange of Sulphur Pollution in Southeast Europe" Farago et al (Eds.) Advances in Air Pollution Modeling for Environmental Security, NATO Science Series, vol. 54, pp. 41-50, Springer
7. **Chervenkov, H.** (2005) "On the Sulphur Pollution Over Southeast Europe" ECOLOGY 2005. SCIENTIFIC ARTICLES VOL. III, PART III (ISBN 954-9368-07-6), pp. 86-99 (*електронно издание*)
8. **Chervenkov, H.**, Syrakov, D., Prodanova, M. (2005) "Estimation of the Sulphur Pollution over the Balkan Region in 1995-2000" Proceedings of the Third International Symposium on Air Quality Menagement at Urban, Regional and Global Scales, pp. 608-617, 26-30 September 2005, Istanbul – Turkey
9. **Chervenkov, H.**, Syrakov, D., Prodanova, M. (2005) "On the Sulphur Pollution over Southeast Europe for the period 1995-2000" The Changing Chemical Climate of the Atmosphere pp.160-165 (Proceedings of the First ACCENT Symposium, Urbino - Italy September 12 - 16 2005)
10. **Chervenkov, H.** (2006) "Assessment of the Material Deterioration in Bulgaria due to the Air Pollution" ECOLOGY 2006. SCIENTIFIC ARTICLES (ISBN 954-9368-16-5), pp. 366-374 (*електронно издание*)

Публикации след придобиване на образователната и научна степен "доктор" (24 броя)

I. Публикации с импакт-фактор (ISI Thomson Reuters Impact Factor) и/или SJR (SCImago Journal and Country Rank) импакт ранг (общо 12 броя)

I.1 Студии (Съгласно критериите от т. 3 чл. 19 на „Методика за провеждане на атестация на служителите на БАН“ приета на ОС на БАН на 15.03.2013г., <http://bas.bg/общо-събрание/приети-документи> 1 брой)

1. Juda-Rezler, K., Reizer, M., Huszar, P., Krüger, B., Zanis, P., Syrakov, D., Katragkou, E., Trapp, W., Melas, D., **Chervenkov, H.**, Tegoulis, I., Halenka, T. (2012) "Modelling the effects of climate change on air quality over Central and Eastern Europe: concept, evaluation and projections" Climate Research (ISSN 1616-1572) vol. 53: pp. 179–203, doi: 10.3354/cr01072 **IF 2.684**

I.2. Статии (6 броя)

1. **Chervenkov, H.**, Jakobs, H. (2011) "Dust storm simulation with regional air quality model - Problems and Results" Atmospheric Environment (ISSN 1352-2310) vol. 45 pp. 3965-3976 doi: 10.1016/j.atmosenv.2011.04.061 **SJR 2.014**

2. Huszar, P., Juda-Rezler, K., Halenka, T., **Chervenkov, H.**, Syrakov, D., Kruger, B., Zanis, P., Melas, D., Katragkou, E., Reizer, M., Trapp, W., Belda, M. (2011) "Effects of climate change on ozone and particulate matter over Central and Eastern Europe" Climate Research (ISSN 1616-1572), Vol. 50: pp. 51–68, doi: 10.3354/cr01036 **IF 1.994**

3. **Chervenkov, H.**, Dimov, I. and Zlatev, Z. (2014) "Spline interpolation for modelling of accumulated effects of ozone", International Journal of Environment and Pollution (ISSN 1741-5101, 0957-4352), Vol. 54, № 1, pp.17–31 **IF 0.515**
4. **Chervenkov, H.**, Slavov, K. (2016) Simulated versus Satellite Retrieval Distribution Patterns of the Snow Water Equivalent over Southeast Europe, International Journal of Environmental & Agriculture Research (IJOEAR) (ISSN 2454-1850) Vol. 2, Issue-3, March-2016 pp. 115-122 **IF 1.23**
5. **Chervenkov, H.**, Tsonevsky, I., Slavov, K. (2016) Presentation of Four Centennial-long Global Gridded Datasets of the Standardized Precipitation Index, International Journal of Environmental & Agriculture Research (IJOEAR) (ISSN 2454-1850) Vol. 2, Issue-3, March-2016 pp. 93-105 **IF: 1.23**
6. **Chervenkov, H.**, Slavov, K. (2016) Comparison of simulated and objectively analyzed distribution patterns of snow water equivalent over the Carpathian Region IDŐJÁRÁS Quarterly Journal of the Hungarian Meteorological Service (ISSN 0324-6329) Vol. 120, No. 3, July – September, 2016, pp. 315–329 **IF 0,810**

I.3. Пълнотекстови публикации в сборници от международни конференции (5 броя)

1. Chervenkov, H. (2012) "Some Aspects of Impact in the Potential Climate Change on Ozone Pollution Levels over Bulgaria from High Resolution Simulations" Lecture Notes in Computer Science (ISSN 0302-9743) vol. 7116, pp. 275–282, Springer, **SJR: 0,33**
2. Chervenkov, H. Syrakov, D., Prodanova, M., Slavov, K. (2014) "Assessment of the Air Quality in Bulgaria - Short Summary Based on Recent Modelling Results" Lecture Notes in Computer Science (ISSN 0302-9743) vol. 8353, pp. 365–373, Springer **SJR: 0,33**
3. Chervenkov, H., D. Todorov T., Slavov, K. (2015) "Snow Cover Assessment with Regional Climate Model - Problems and Results" Lecture Notes in Computer Science (ISSN 0302-9743) vol. 9374, pp. 327–334 Springer **SJR: 0,33**
4. Malcheva, K., Gocheva, A., **Chervenkov H.** "Winter Circulation Conditions over Bulgaria" Proceedings of the 15th international multidisciplinary scientific geoconference SGEM 2015 Albena, Bulgaria, June 18-24 Book 4 vol. 1 (ISSN 1314-2704) pp. 1129-1136 **SJR 0.195**
5. Malcheva, K., **Chervenkov, H.**, Marinova, T. "Winter Severity Assessment on the Basis of Measured and Reanalysis Data" Proceedings of the 16th international multidisciplinary scientific geoconference SGEM 2016 Albena, Bulgaria, 28 June 7 July Book 4 vol. 1 (ISSN 1314-2704) pp. 719-726 **SJR 0.195**

II. Други публикации (общо 12 броя)

II.1. Статии (5 броя)

1. **Chervenkov, H.** (2009) "Assessment of the acceptable concentrations of sulphur dioxide in the air over Bulgaria according to the deterioration of some technological materials" Bulgarian geophysical Journal (ISSN 1311-753X), vol.35, pp. 77-83

2. Chervenkov, H. (2013) "Modelled air pollution levels versus EC air quality legislation - results from high resolution simulation" SpringerPlus 2:78, doi:10.1186/2193-1801-2-78
3. **Chervenkov H.** (2014) "Objective assessment of three storm cases over the Mediterranean based on NCEP-NCAR reanalysis data" Bulgarian geophysical Journal (ISSN 1311-753) vol. 39, 2013 pp. 82-92
4. **Chervenkov H.** (2016) Simple Postprocessing Method for Vertical Correction of Stratified Near-surface Atmospheric Parameters, Bulgarian Geophysical Journal (ISSN: 1311-753X) vol. 40, 2014 pp. 14-22
5. **Chervenkov, H.**, Tsonevsky, I., Slavov, K. (2016) Possibility for Drought Assessment with Gridded Data-sets of the Standardized Precipitation Index, Bulgarian Geophysical Journal (ISSN: 1311-753X) vol. 40, 2014 pp. 85-97

II.2. Други публикации (Пълнотекстови публикации/ разширени резюмета в сборници от международни конференции и конференции с международно участие) (7 броя)

1. **Chervenkov, H.**, Adjarova, L., Sharankova, A., Hadjieva, Kl. (2008) "Presentation of two Problem-oriented Studies on the Pollution of the Precipitation Waters with Chemical and Radioactive Reagents" Proceedings of VII-th scientific-technical conference with international participation "ECOLOGY and HEALTH" 2008, Plovdiv, 10 Apr. 2008, pp. 565-570
2. **Chervenkov, H.** (2010) "Presentation of Automatic System for Processing and Mapping of Meteorological Information" Proceedings of VIIIth scientific-technical conference with international participation "ECOLOGY and HEALTH" 2010, Plovdiv, 19 May 2010, ISSN 1314-1880 pp. 429-434
3. Konstantinov, P., **Chervenkov, H.**, Artinyan E. (2010) "Short Presentation of the National Institute of Meteorology and Hydrology – Bulgarian Academy of Sciences. Operational Forecast of High River levels and Flood Warning along the Mariza and Tundja Rivers with the Purpose of Civil Protection" Proceedings of VIIIth scientific-technical conference with international participation "ECOLOGY and HEALTH" 2010, Plovdiv, 19 May 2010, ISSN 1314-1880 pp. 55-60
4. **Chervenkov, H.**, Trendafilov, G. (2012) "Numerical Description of the Groundwater Levels Change Due to the Re- and Discharge of the Adjacent Surface Water Bodies – Problems and Case Studies" Proceedings of the Conference "Air and Water Components of the Environment", 23-24.03.2012, Kluj-Napoca, Romania, pp. 195-202, presa Universitara Clujeana, 2012 (ISSN:2067-743X)
5. **Chervenkov, H.** (2012) "The Winter of 2011/2012 – Synoptical Aspects and Weather Events" Proceedings of IXth scientific-technical conference with international participation "ECOLOGY and HEALTH" 2012, Plovdiv, 17 May 2012, ISSN 1314-1880 pp. 511-516
6. Atanassov, D., Shilev, St., Naydenova, E., **Chervenkov, H.**, Yankova, T. (2014) "Air Quality Management System of the city of Plovdiv – annual analysis for 2013" Publications (електронно издание) of the 16th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes 8-11 September 2014, Varna, Bulgaria (разширено резюме)

7. Artinyan, E., Bachvarova, E., Radeva, S., Shopova, N., Naldjian, A., Vasev, A., **Chervenkov, H.** Experimental Measurement and Numerical Simulation of the Energy Flux and the Moisture Flux between the Atmosphere and the Land Surface in two Synoptic Stations of NIMH-BAS (in Bulgarian) (2016) In: Proceedings of the 3rd Bulgarian National Congress on Physical Sciences, Sofia, Bulgaria, Sep. 29 - Oct. 02, 2016, S06.08-1-15 [DVD: ISBN 978-954-580-364-2] Heron Press: Sofia

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