

# Irodalomjegyzék

## Literatura – References

---

- Allen, R.G., Pereira, L.S., Raes, D., Smith, M., (1998): Crop Evapotranspiration. Guidelines for Computing Crop Water Requirements. FAO Irrig. Drain. Pap. 56, FAO, Rome, pp. 300.
- Balint, Z., Mutua, F.M., Muchiri, P. (2011). Drought monitoring with the combined drought index, FAO-SWALIM, Nairobi, Kenya, 3-25.
- Barett, B.W., Petropoulos, G.P. (2014). Satellite remote sensing of surface soil moisture. In: Petropoulos, G.P. (ed.): Remote Sensing of Energy Fluxes and Soil Moisture Content. CRC Press, Boca Raton. 85-120.
- Barta, K. (2013). Inland excess water projection based on meteorological and pedological Monitoring data on a study area located in the southern part of the Great Hungarian Plain. *Journal of Environmental Geography* 6 (3-4), 31-37. DOI: 10.2478/jengeo-2013-0004.
- Barta, K., Bata, T., Benyhe, B., Brkic, M., Dogan, V., Dolinaj, D., Farsang, A., Gál, N., Henits, L., Juhász, L., Kiss, T., Kovács, F., Mezosi, G., Mucsi, L., Mészáros, M., Obradovic, D., Pavic, D., Rakonczai, J., Savic, S., Živanov, M. (2013). Inland Excess Water – Belvız – Suvišne Unutrašnje Vode. 10.13140/2.1.5143.3920.
- Barta, K., Crnojevic, V.B., Blanka, V., Ladányi, Zs., Fiala, K., Vukobratovic, D. (2014). Terepi talajnedvesség megfigyelés az aszálykutató szolgálatában. In: Blanka Viktória, Ladányi Zsuzsanna (eds.): Aszály és vízgazdálkodás a Dél-Alföldön és a Vajdaságban – Suša i upravljanje vodama u južnoj mađarskoj ravnici i Vojvodini – Drought and Water Management in South Hungary and Vojvodina. Szeged, Szegedi Tudományegyetem Természeti Földrajzi és Geoinformatikai Tanszék, 245-258.
- Barta, K., Szatmári, J., Posta, A. (2016). Connection Between Inland Excess Water Development and Motorways. *Carpathian Journal of Earth and Environmental Sciences* 11 (1), 293–301.
- Beguier, S., Vicente-Serrano, S.M., Reig, F. and Latorre, B., (2014). Standardized precipitation evapotranspiration index (SPEI) revisited: parameter fitting, evapotranspiration models, tools, datasets and drought monitoring. *International Journal of Climatology*, 34(10), pp.3001-3023.
- Benka, P., Bezdan, A., Grabić, J., Salvai, A. (2011). Mogućnost praćenja suše primenom karata SPI, Melioracije 11, Poljoprivredni fakultet, Novi Sad [http://www.dmcsee.org/uploads/file/325\\_7\\_unsfa\\_the\\_possibilities\\_of\\_drought\\_monitoring\\_benka\\_bezdan\\_grabic\\_salvai.pdf](http://www.dmcsee.org/uploads/file/325_7_unsfa_the_possibilities_of_drought_monitoring_benka_bezdan_grabic_salvai.pdf)
- Benyhe, B. (2013). Agrogén hatásra kialakuló felszínformák és folyamatok vizsgálata eltérő geomorfológiai adottságú területeken. Doktori (Ph.D.) értekezés.
- Benyhe, B. (2015). Antropogén eredetű felszínformák lefolyás módosító hatásának modellezése domb- és síkvidéki vízgyűjtőkön (Szakdolgozat).
- Bezdan, A. (2014) Water Excess and Water Deficit Risk Assessment in Landreclamation Area. Ph.D. Thesis, University of Novi Sad, Faculty of Agriculture, Novi Sad, Serbia, 2014.
- Bezdan, J., Bezdan, A., Blagojević, B., Mesaroš, M., Pejić, B., Vranešević, M., Pavić, D. and Nikolić-Đorić, E., (2019a). SPEI-Based Approach to Agricultural Drought Monitoring in Vojvodina Region. *Water*, 11(7), p.1481.
- Bezdan, A., Blagojevic, B., Vranesevic, M., Benka, P., Savic, R. and Bezdan, J., (2019b). Defining Spatial Priorities for Irrigation Development Using the Soil Conservation and Water Use Efficiency Criteria. *Agronomy*, 9(6), p.324.
- Bezdan A., Dragincic J., Blagojevic B., Vranesevic M., Benka P. (2014): Assessment of vulnerability to inland excess water in Vojvodina region, *Contemporary Agriculture*, 63(3), 269-275.
- Blagojevic B., Srdjevic B., Srdjevic Z., Zoranovic T. (2016a): Heuristic aggregation of individual judgments in AHP group decision making using simulated annealing algorithm. *Information Sciences* 330: 260-273.

- Blagojevic B., Srdjevic B., Srdjevic Z., Zoranovic T. (2016b): Deriving weights of the decision makers using AHP group consistency measures. *Fundamenta Informaticae* 144: 383-395.
- Blagojevic B., Srdjevic Z., Bezdan A., Srdjevic B. (2016c): Group decision making in land evaluation for irrigation: A Case study from Serbia. *Journal of Hydroinformatics* 18(3): 579-598.
- Blaikie, P., Cannon, T., Davies, I., Wisner, B., (1994): *At Risk: Natural Hazards, People's Vulnerability, and Disasters*, Routledge, New York, NY, USA, 284 pp.
- Blanka, V., Mezősi, G., Meyer, B. (2013). Projected changes in the drought hazard in Hungary due to climate change. *Időjárás / Quarterly Journal of the Hungarian Meteorological Service* 117(2), 219-237.
- Bozán, Cs, Körösparti, J., Pásztor, L., Kuti, L., Kozák, P., Pálfai, I. (2009). GIS-based mapping of excess water inundation hazard in Csongrád county (Hungary). In.: *Proceedings of the International Symposia on Risk Factors for Environment and Food Safety & Natural Resources and Sustainable Development*, Faculty of Environmental Protection, November 6-7 Oradea, 678-684.
- Bozán, Cs., Körösparti, J., Pásztor, L., Pálfai, I. (2013). Excess water hazard mapping on the South Great Hungarian Plain. *Proceedings of the 13th International Conference on Environmental Science and Technology Athens, Greece, 5-7 September 2013*, 8. p.
- Bozán, Cs., Pálfai, I., Pásztor, L., Kozák, P., Körösparti, J. (2005). Mapping of Excess Water Hazard in Békés and Csongrád Counties of Hungary. In.: *ICID 21st European Regional Conference Integrated Land and Water Resources Management: Towards Sustainable Rural Development*, Frankfurt (an Oder) and Slubice, Germany and Poland, p.4
- Bozán, Cs., Takács, K., Körösparti, J., Laborczi, A., Túri, N., Pásztor, L. (2018). Integrated spatial assessment of inland excess water hazard on the Great Hungarian Plain. *Land Degradation & Development* 29(12), 4373-4386. DOI:10.1002/ldr.3187.
- Büttner, G., Soukup, T., Kosztra, B. (2014). CLC2012 Addendum to CLC2006 Technical Guidelines. EEA, p.35.
- Cannon, T., Twigg, J., (2005): *Social Vulnerability, Sustainable Livelihoods and Disasters*, Report to DFID Conflict and Humanitarian Assistance Department (CHAD) and Sustainable Livelihoods Support Office. London, DFID: 63.
- Chen, F., Dudhia, J. (2001). Coupling an Advanced Land Surface-Hydrology Model with the Penn State-NCAR MM5 Modeling System. Part I: Model Implementation and Sensitivity. *Monthly Weather Review* 129, 569-585.
- CRED 2018. CRED. Natural Disasters (2017). Brussels. Available at: [https://cred.be/sites/default/files/adsr\\_2017.pdf](https://cred.be/sites/default/files/adsr_2017.pdf)
- Czifrusz, M., Hoyk, E., Suvák, A. (eds.) (2015). *Klimaváltozás – Gazdaság – Társadalom: Hosszú távú területi folyamatok és trendek*. Publikon Kiadó, Pécs
- Csekő, Á., (2003). Árvíz-és belvízfelmérés radar felvételekkel (Flood and inland excess water survey using radar imagery), *Geodézia és Kartográfia* 2, 16–22.
- Csendes, B., Mucsi, L. (2016). Identification and spectral evaluation of agricultural crops on hyperspectral airborne data. *Journal of environmental geography*, (9) 3-4. pp. 49-53.
- Csendes, B., Mucsi, L. (2016). Inland excess water mapping using hyperspectral imagery, *Geographica Pannonica* 20 (4), 191–196. DOI: 10.18421/GP20.04-01
- Csornai, G., Lelkes, M., Nádor, G., Wirnhardt, Cs. (2000). Operatív árvíz-és belvíz-monitoring távérzékeléssel (Remote sensing based operative flood and inland excess water monitoring). *Geodézia és Kartográfia* 52 (5) 6–12.
- Dabanli, I., (2018). Drought hazard, vulnerability, and risk assessment in Turkey. *Arabian Journal of Geosciences*, 11(18), p.538.
- Draginčić, J., Srđević, Z. and Srđević, B., (2011). Multicriteria evaluation of irrigation canal lining variants. *Letopis naučnih radova Poljoprivrednog fakulteta*, 35(1), pp.119-126.

- Dumitraşcu, M., Mocanu, I., Mitrică, B., Dragotă, C., Grigorescu, I., Dumitrică, C. (2018). The assessment of socio-economic vulnerability to drought in Southern Romania (Oltenia Plain). *International Journal of Disaster Risk Reduction* 27, 142-154.
- Fiala, K., Blanka, V., Ladányi, Zs., Szilassi, P., Benyhe, B., Dolinaj, D., Pálfai, I. (2014). Drought severity and its effect on agricultural production in the Hungarian-Serbian cross-border area. *Journal of Environmental Geography* 7 (3-4), 43-51.
- Fiala, K., Barta, K., Benye, B., Fehérvári, I., Lábdy, J., Sipos, Gy., Győrffy, L. (2018). Operatív aszály- és vízhiánykezelő monitoring rendszer. *Hidrológiai Közlöny* 98/3, 14-24.
- Gálya, B., Riczu, P., Blaskó, L., Tamás, J. (2016). Belvíz érzékenység vizsgálata radar adatok alapján (Radar data based inland excess water sensitivity study), In: Az elmélet és a gyakorlat találkozása a térinformatikában VII. = Theory meets practice in GIS. Debrecen: Debreceni Egyetemi Kiadó, 161-168.
- Gericke, O.J., du Plessis, J.A. (2011). Evaluation of critical storm duration rainfall estimates used in flood hydrology in South Africa. *Water SA*. Vol. 37. No. 4: 453-470.
- Greiving, S., Fleischhauer, M., Lückenkötter, J., (2006): A methodology for an integrated risk assessment of spatially relevant hazards, *Journal of Environmental Planning and Management* 49 (1), 1-19.
- Gu, Y., Brown, J.F., Verdin, J.P., Wardlow, B. (2007). A five-year analysis of MODIS NDVI and NDWI for grassland drought assessment over the central Great Plains of the United States. *Geophysical Research Letters* 34, L06407, DOI:10.1029/2006GL029127
- Gulácsi, A., Kovács, F. (2018). Drought monitoring of forest vegetation using MODIS-based normalized difference drought index in Hungary. *Hungarian Geographical Bulletin* 67 (1), 29-42
- Gulácsi, A., Kovács, F. (2019). Radaralapú vizesélőhely-monitoring Sentinel-1 adatokkal. *Hidrológiai Közlöny* 99(1), 38-47.
- Horváth, Á., Nagy, A., Simon, A., Németh, P. (2015). MEANDER: The objective nowcasting system of the Hungarian Meteorological Service. *Időjárás / Quarterly Journal Of The Hungarian Meteorological Service* 119/2, 197-213.
- Huete, A., Didan, K., Miura, T., Rodriguez, E.P., Gao, X., Ferreira, L.G. (2002). Overview of the radiometric and biophysical performance of the MODIS vegetation indices. *Remote Sensing of Environment* 83, 195-213.
- Huete, A., Justice, C., van Leeuwen, W. (eds) (1999). MODIS vegetation index (MOD 13) algorithm theoretical basic document, 1-6.
- ISDR (2009). Global Assessment Report on Disaster Risk Reduction. United Nations, Geneva, Switzerland. Available at: <https://www.unisdr.org/we/inform/publications/9413>
- Jackson, T.J., Chen, D., Cosh, M., Li, F., Anderson, M., Walthall, C., Doriaswamy, P., Hunt, E.R. (2004). Vegetation water content mapping using Landsat data derived normalized difference water index for corn and soybeans. *Remote Sensing of Environment* 92. pp. 475-482.
- Kern, A., Marjanovic, H., Dobor, L., Anic, M., Hlásny, T., Barcza, Z. (2017). Identification of Years with Extreme Vegetation State in Central Europe Based on Remote Sensing and Meteorological Data. *South-east European forestry (SEEFOR)*, 8 (1), 1-20.
- Kim, H., Park, J., Yoo, J. and Kim, T.W., (2015). Assessment of drought hazard, vulnerability, and risk: A case study for administrative districts in South Korea. *Journal of Hydro-environment Research*, 9(1), pp.28-35.
- Kirkham, M.B. (2014). Principles of Soil and Plant Water Relations. Academic Press, Elsevier. p. 579.
- Kiss, T., Benyhe, B. (2015). Micro-topographical surface alteration caused by tillage and irrigation canal maintenance and its consequences on excess water development. *Soil and Tillage* 142, 106-118.
- Kiss, T., Blanka, V. (2012). River channel response to climate- and human-induced hydrological changes: Case study on the meandering Hernád River, Hungary. *Geomorphology* 175, 115-125.

- Knutson, C., Hayes, M., Philips, T., (1998): How to reduce drought risk, Preparedness and Mitigation Working Group of the Western Drought Coordination Council, Lincoln, Nebraska.
- Kogan, F. N., (1997): Global drought watch from space, *Bull. Amer. Meteor. Soc.* 78(4), 621–636.
- Kolaković, S., (2003): Vode Vojvodine - neki aspekti funkcionalnosti sistema za zaštitu spoljnih i unutrašnjih voda na području Vojvodine, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad.
- Kovačević, V., Jeločnik, M., Subić, J., Zekić, V., Milić, D. and Zubović, J., (2017). Causality between corn production cost and cash corn price. *Custos e@ gronegocio*, 13(4), pp.2-16.
- Kovács, F. (2007). Assessment of regional variations in biomass production using satellite image analysis between 1992 and 2004. *Transactions in GIS* 11/6, 911–926.
- Kovács, F. (2018). NDVI/EVI monitoring in forest areas to assessment the climate change effects in Hungarian Great Plain from 2000. *Proc. SPIE 10783, Remote Sensing for Agriculture, Ecosystems, and Hydrology XX*, 107831H (10 October 2018); DOI: 10.1117/12.2325647
- 4257(93)90013-n
- Kozák, P. (2003). Az Alföldi belvizek elvezetése. *Hidrológiai Közlöny* 83/1, 51–61.
- Kozák, P. (2006). A belvízjárás összefüggéseinek vizsgálata az Alföld délkeleti részén, a vízgazdálkodás európai elvárásainak tükrében. – PhD-értekezés, Szeged. 86.
- Kozák, P. (2013). Belvizek kezelésének lehetőségei az Alsó-tiszai vízgyűjtőkön a 2010/11 és a 2013. évi belvizek tapasztalatai alapján. (Magyar Hidrológiai Társaság Országos Vándorgyűlés konferencia).
- Kozák, P. (2016). A területi vízgazdálkodás időszerű kérdései. (Magyar Hidrológiai Társaság Országos Vándorgyűlés konferencia).
- Kozma, Zs. (2013). Belvízi szélsőségek kockázatalapú értékelésének és modellezési módszertanának fejlesztése. Doktori (PhD) értekezés.
- Kruse, F., Lefkoff, A.B., Boardman, J., Heidebrecht, K.B., Shapiro, A.T., Barloon, P.J., Goetz, A. (1993). The Spectral Image Processing System (SIPS)-Interactive Visualization and Analysis of Imaging Spectrometer Data. *Remote Sensing of Environment* 44. 145–163. DOI: 10.1016/0034-
- Kumar, L., Mutanga, O. (2018). Google Earth Engine Applications Since Inception: Usage, Trends, and Potential. *Remote Sensing* 10(10) 1509. DOI:10.3390/rs10101509
- Kumpulainen, S., (2006): Vulnerability concepts in hazard and risk assessment, Natural and technological hazards and risks affecting the spatial development of European regions, Geological Survey of Finland, Special Paper 42, 65–74
- Ladányi, Zs., Rakonczai, J., Deák, Á. J. (2011a). A Hungarian landscape under strong natural and human impact in the last century. *Carpathian Journal of Earth and Environmental Sciences* 6 (2), 35-44.
- Ladányi, Zs., Rakonczai, J. , van Leeuwen, B. (2011b). Evaluation of precipitation,vegetation interaction on a climate,sensitive landscape using vegetation indices. *Journal of Applied Remote Sensing* 5, 053519, DOI:10.1117/1.3576115.
- Licskó, B, Vekerdy, Z., Szilágyi, A., Busics, I., (1987). Távérzékelési módszertani útmutató a meliorációs tanulmánytervek készítéséhez (Handbook for remote sensing methodology for the preparation of land improvement plans), Földmérési és Távérzékelési Intézet, Budapest.
- Malenovský, Z., Rott, H., Cihlar, J., Schaepman, M.E., García-Santos, G., Fernandes, R., Berger, M. (2012). Sentinels for science: Potential of Sentinel-1, -2, and -3 missions for scientific observations of ocean, cryosphere, and land. *Remote Sensing of Environment* 120, 91-101. DOI: 10.1016/j.rse.2011.09.026
- Marko, J., Jovanović, M., Tica, N. (1999): Kalkulacije u poljoprivredi, Futura publikacije, Novi Sad, 1998.
- Matić-Kekić, S. and Draginčić, J., (2013). AHP under incomplete information as a support for decision making in agriculture. *Letopis naučnih radova Poljoprivrednog fakulteta*, 37(1), pp.17-26.
- Mátyás, Cs., Führer, E., Berki, I., Csóka, Gy., Drüsler, Á., Lakatos, F., Móricz, N., Rasztovits, E.,

- Somogyi, Z., Veperdi, G., Víg, P., Gálós, B. (2010). Erdők a szárazsági határon. *Klíma-21 Füzetek* 61, 84-97.
- Mezősi, G., Blanka, V., Ladányi, Zs., Bata, T., Urdea, P., Frank, A., Meyer, B. (2016). Expected mid- and long-term changes in drought hazard for the South-Eastern Carpathian Basin. *Carpathian Journal of Earth and Environmental Sciences* 11 (2), 355-366.
- Milić, D., Mijić, K. and Jakšić, D., (2018). Opportunistic management behavior in reporting earnings of agricultural companies. *CUSTOS E AGRONEGOCIO ON LINE*, 14(1), pp.125-142.
- Mucsics, L., Henits, L. (2010). Creating excess water inundation maps by sub-pixel classification of medium resolution satellite images. *Journal of Environmental Geography* 3 (1-4), 31-40.
- Miljković, N. (2005). Meliorativna pedologija. Poljoprivredni fakultet u Novom Sadu, JVP Vode Vojvodine. Novi Sad.
- Moorhead, J.E., Gowda, P.H., Singh, V.P., Porter, D.O., Marek, T.H., Howell, T.A. and Stewart, B.A., (2015). Identifying and evaluating a suitable index for agricultural drought monitoring in the Texas high plains. *JAWRA Journal of the American Water Resources Association*, 51(3), pp.807-820.
- Narasimhan, B., Srinivasan, R. (2005). Development and evaluation of Soil Moisture Deficit Index (SMDI) and Evapotranspiration Deficit Index (ETDI) for agricultural drought monitoring. *Agricultural and Forest Meteorology* 133/1, 69-88.
- Nestorov, I., Protić, D. (2006). Implementacija CORINE Land Cover projekta u Srbiji i Crnoj Gori. Geodetska služba. 105: 25-29.
- OMSZ (2019a). Talajnedvesség és talajhőmérséklet <https://www.met.hu/idojaras/agrometeorologia/talaj/index.php#meres>
- OVF Aszálymonitoring (2019). <http://aszalymonitoring.vizugy.hu>
- Pálfai, I. (2001). A belvív definíciói. *Vízügyi Közlemények*, 83, 376-392.
- Pálfai, I., (2003). Magyarország belvív-veszélyeztetettségi térképe. *Vízügyi közlemények* 85 (3), 510-524.
- Pálfai I. (2004). Belvizek és aszályok Magyarországon. Hidrológiai tanulmányok. VITUKI, Budapest, 492 p.
- Palmer, W.C. (1965). Meteorological Drought. Research Paper No.45, U.S. Department of Commerce Weather Bureau, Washington, D.C., USA.
- Pantelić, P. (1966). Odvodnjavanje Čuruško-Žabaljskog sliva (Glavni projekat). Hidrozavod: Projektni biro direkcije za izgradnju hidrosistema Dunav-Tisa-Dunav. Novi Sad.
- Paredes, P., Pereira, L.S., (2010): Water balance and irrigation scheduling simulation model – the WinSAREG model, Draft manual (v. 1.3), CEER-Biosystems Engineering, Institute of Agronomy, Technical University of Lisbon, pp. 69.
- Pásztor, L., Körösparti, J., Bozán, Cs., Laborczi, A., Takács, K. (2014). Spatial risk assessment of hydrological extremities: Inland excess water hazard, Szabolcs-Szatmár-Bereg County, Hungary. *Journal of Maps* 11(4), 636-644. DOI: 10.1080/17445647.2014.954647
- Pásztor, L., Pálfai, I., Bozán, Cs., Körösparti, J., Szabó, J., Bakacsi, Zs., Kuti, L. (2006). Spatial stochastic modelling of inland inundation hazard, 9th AGILE Conference on Geographic Information Science, Visegrád, Hungary, 139-143.
- Perdikaris, J., Gharabaghi, B., Rudra, R. (2018). Reference Time of Concentration Estimation for Ungauged Catchments. *Earth Science Research*. Vol. 7. No. 2: 58-73.
- Pereira, L.S., A.A. Paulo, (2003): Drought: Concepts, Indices and Prediction, Options Mediterraneanes, Serie B. n. 47, 113 – 144.
- Petronijević, M., Dihovični, Đ., Petrović, S., (2010) Uticaj eko rizika na kvalitet života, 5. nacionalna konferencija o kvalitetu života, Kragujevac
- Potopová, V., Štěpánek, P., Možný, M., Türkott, L. and Soukup, J., (2015). Performance of the standardised precipitation evapotranspiration index at various lags for agricultural drought risk assessment in the Czech Republic. *Agricultural and Forest Meteorology*, 202, pp.26-38.
- Priváczkíné, H. Zs., Endrődi, I., Muhoray, Á. (2019). A belvív elleni védelem új lehetőségei a korszerű polgári védelem rendszerével. *Védelem Tudomány*. IV. /2019, 183-210. ISSN 2498-6194.

- Priváczkiné, H. Zs., Muhoray, Á. (2018). Állami szerepvállalás a belvízvédekezési tevékenységben. *Hadmérnök*. IV/2018, 221-240. ISSN 1788-1919.
- Prohaska, S., (2006): Hidrológija II deo; izd. Inst. za vodoprivredu "Jaroslav Černi".
- Rajić, M., Bezdan, A., (2012): Contribution to Research of Droughts in Vojvodina Province, *Carpathian Journal of Earth and Environmental Sciences*, 7, 3, 101 - 107.
- Rajić, M., Josimov-Dundërski, J. (2009). *Opšta hidrologija*. Univerzitet u Novom Sadu. Poljoprivredni fakultet. Novi Sad.
- Rakonczi, J. (2011). Effects and consequences of global climate change in the Carpathian Basin. In: Blanco J., Kheradmand H. (eds.): *Climate Change - Geophysical Foundations and Ecological Effects*. Rijeka: InTech, 2011, 297-322.
- Rakonczi, J., Csató, Sz., Mucsi, L., Kovács, F., Szatmári, J. (2003). Az 1999. és 2000. évi alföldi belvíz-elöntések kiértékelésének gyakorlati tapasztalatai. *Vízügyi Közlemények*, 1998-2001. évi árvízi külön füzetek. IV. kötet, 317-336.
- Rakonczi, J., Farsang, A., Mezősi, G., Gál, N. (2014a). A belvízképződés elméleti háttere. *Földrajzi Közlemények* 135/4, 339-349.
- Rakonczi, J., Fiala, K., Mesaroš, M., Frank, A., Popov, S. (2014b). Water management conflicts. In: Blanka, V., Ladányi Zs. (eds) *Drought and Water Management in South Hungary and Vojvodina*. Szegedi Tudományegyetem, Szeged, 78-80.
- Rakonczi, J., Mucsi, L., Szatmári, J., Kovács, F., Csató, Sz. (2001). A belvízes területek elhatárolásának módszertani lehetőségei, Magyar Földrajzi Konferencia, CD kiadvány, 1-14.
- Saaty, T.L. (1980) *The Analytical Hierarchy Process*; McGraw-Hill: New York, NY, USA, 1980.
- SEERISK (2014). *Guideline on climate change adaptation and risk assessment in the Danube macro - region*. South East Europe Transnational Cooperation Programme. Programme co-founded by European Union.
- Shahid, S. and Behrawan, H., (2008). Drought risk assessment in the western part of Bangladesh. *Natural Hazards*, 46(3), pp.391-413.
- Sipos, Gy. (2006). A meder dinamikájának vizsgálata a Maros magyarországi szakaszán. Doktori értekezés, Szegedi Tudományegyetem.
- Smailagic, J., Savovic, A., Markovic, D., Nestic, D. (2013). Climate characteristics of Serbia. Republic Hydrometeorological Service of Serbia
- Solano, R., Didan, K., Jacobson, A., Huete, A. (2010). MODIS vegetation index user's guide (MOD13 Series) p. 42.
- Sönmez, F.K., Koemuescue, A.U., Erkan, A. and Turgu, E., (2005). An analysis of spatial and temporal dimension of drought vulnerability in Turkey using the standardized precipitation index. *Natural Hazards*, 35(2), pp.243-264.
- Spasojević B., Stanačev S., Starčević Lj., Marinković B. (1994): *Posebno ratarstvo I*, Poljoprivredni fakultet, Novi Sad.
- Spinoni, J., Antofie, T., Barbosa, P., Bihari, Z., Lakatos, M., Szalai, S., Szentimrey, T., Vogt, J. (2013). An overview of drought events in the Carpathian Region in 1961–2010. *Advances in Science and Research*, 10, 21-32. DOI: 10.5194/asr-10-21-2013
- Srdjevic Z., Bezdan A., Blagojevic B., Dunkel Z., Srdjevic B. (2015): Spatial multi-criteria evaluation of land suitability for irrigation in Vojvodina Province (Serbia) based on its soil and climate characteristics. *Italian Journal of Agrometeorology (IJAm)*, Special Issue: Water footprint applications for water resource management in agriculture: 97-103.
- Srivastava, P., Petropoulos, G., Kerr, Y.H (2016). *Satellite Soil Moisture Retrieval, Techniques and Applications*. Elsevier. p. 440.
- Szabó, Sz., Elemér, L., Kovács, Z., Püspöki, Z., Kertész, Á., Singh, S.K., Balázs, B. (2019). NDVI dynamics as reflected in climatic variables: spatial and temporal trends – a case study of Hungary. *GIScience & Remote Sensing*, 56(4), 624-644.

- Szabó, Sz., Gácsai, Z., Balázs, B. (2016). Specified features of NDVI, NDWI and MNDWI as reflected in land cover categories. *Landscape and Environments* 10 (3-4), 194-202
- Szatmári, J., van Leeuwen, B. (2013). Inland Excess Water – Belvív – Suvišne Unutrašnje Vode, Szeged-Újvidék, Szegedi Tudományegyetem- Újvidéki Egyetem, p.154.
- Thywissen, K., (2006) "Components of Risk: A Comparative Glossary", Source 2, Bonn: Publication Series of UNU-EHS.
- Török, I. Gy. (1997). „Eszmetöredékek” a belvív fogalmának korszerűbb értelmezése és a belvívvédekezés gazdaságossága tárgyában. MHT. XV. Országos Vándorgyűlés Kaposvár.
- Turner II, B.L., Kasperson, R.E., Matson, P., McCarthy, J.J., Corell, R.W., Christensen, L., Eckley, N., Kasperson, J.X., Luers, A., Martello, M.L., Polsky, C., Pulsipher, A., Schiller, A., (2003): A Framework for Vulnerability Analysis in Sustainability Science. Proceedings of the National Academy of Sciences of the United States of America (PNAS). Vol. 100, No. 14. pp. 8074-8079
- UN/ISDR (United Nations International Strategy for Disaster Reduction), (2004): Living with Risk. A Global Review of Disaster Reduction Initiatives. 2004 version. United Nations, Geneva, pp. 430.
- van Leeuwen, B., Mezősi, G., Tobak, Z., Szatmári, J., Barta, K. (2012). Identification of inland excess water floodings using an artificial neural network. *Carpathian Journal of Earth and Environmental Sciences* 7 (4), 173–180.
- van Leeuwen, B., Henits, L., Mészáros, M., Szatmári, J., Tobak, Z., Pavic, D., Savic S., Dolinaj, D. (2013). Belvív-elöntések lehatárolása RapidEye műhold-felvételek alapján. *Hidrológiai Közöny*, 93(3), 17-24.
- van Leeuwen, B., Tobak, Z., Kovács, F., Sipos, G. (2017). Towards a continuous inland excess water flood monitoring system based on remote sensing data. *Journal of Environmental Geography*, 10(3-4), 9-15. DOI: <https://doi.org/10.1515/jengeo-2017-0008>
- Vicente-Serrano, S.M., Pons-Fernandez, X., Cuadrat-Prats, J.M. (2004). Mapping soil moisture in the central Ebro river valley (northeast Spain) with Landsat and NOAA satellite imagery: a comparison with meteorological data. *International Journal of Remote Sensing* 25/20. 4325-4350.
- Vicente-Serrano, S.M., Beguería, S. and López-Moreno, J.I., (2010). A multiscalar drought index sensitive to global warming: the standardized precipitation evapotranspiration index. *Journal of climate*, 23(7), pp.1696-1718.
- Vranešević, M., Belić, S., Kolaković, S., Kadović, S., Bezdan, A. (2017). Estimating suitability of localities for biotechnical measures on drainage system application in Vojvodina. *Irrig. and Drain.* 66: 129–140.
- Vuković, A. (2016). Posledice klimatskih promena u Srbiji, Poljoprivredni fakultet – Univerzitet u Beogradu. [http://jedanstepen.org/wp-content/uploads/2016/11/Klimaton5\\_AVukovic.pdf](http://jedanstepen.org/wp-content/uploads/2016/11/Klimaton5_AVukovic.pdf)
- Vuksanović, G. (2011). Poplave: uzroci, posledice i postupci za njihovo istraživanje, Novi Sad: Filozofski fakultet.
- Vuksanović, G., Nagy, I. (2017). Prirodne katastrofe u svesti stanovništva i spremnost za suočavanje sa njima (Natural disasters in the awareness of the population and their readiness for facing them), Novi Sad: Matica srpska.
- Wilhelmi, O.V., Wilhite, D.A., (2002): Assessing vulnerability to agricultural drought: a Nebraska case study, *Natural Hazards* 25:37–58.
- Wilhite, D.A. (ed.), (2005): Drought and Water Crises: Science, Technology, and Management Issues. CRC Press. Boca Raton, FL., pp. 406.
- Wilhite, D.A., Glantz, M.H., (1985): Understanding the Drought Phenomenon: The Role of Definitions. *Water International* 10(3):111–120.
- World Meteorological Organization (WMO) and Global Water Partnership (GWP) (2016). Handbook of Drought Indicators and Indices (Svoboda, M.D., Fuchs, B.A.). Integrated Drought Management Programme (IDMP), Integrated Drought Management Tools and Guidelines Series 2. Geneva.

- Wang, Z. (1999). MODIS Land Surface Temperature Algorithm Theoretical Basis Document (LST ATBD). 2-6.
- Xu, H. (2005). A study on information extraction of water body with the modified normalized difference water index (MNDWI). *International Journal of Remote Sensing* 5, 589-595. DOI: 10.1080/01431160600589179
- Zargar, A., Sadiq, R., Naser, B., Khan, F.I. (2011). A review of drought indices. *Environmental Reviews* 19, 333-349.
- Živkovic, B., Nejgebauer, V., Tanasijevic, Dj, Miljkovic, N., Stojkovic, L., Drezgic, P., (1972): Soils of Vojvodina, Institute for agricultural research, Novi Sad, pp. 685.

### **Internetes hivatkozások/ Elektronski izvori/Online references:**

- Corine Land Cover (CLC): <https://land.copernicus.eu/pan-european/corine-land-cover>
- Drought Watch: <https://droughtwatch.eu/>
- European Drought Observation: <http://edo.jrc.ec.europa.eu/edov2/php/index.php?id=1000>
- LUCAS: <https://ec.europa.eu/eurostat/web/lucas>
- Nemzeti Alkalmazkodási Térinformatikai Rendszer (NATÉR): <https://map.mbfisz.gov.hu/nater/>
- Távérzékelési Erdőállapot Monitorozó Rendszer (TEMRE): <http://klima.erti.hu/home/erdoallapot-monitoring-2/>
- Decenije koje su pojeli skakavci: POLJOPRIVREDA SRBIJE OD 1976-2017, 2018. <http://www.makroekonomija.org/0-dragovan-milicevic/decenije-koje-su-pojeli-skakavci-poljoprivreda-srbije-od-1976-2017/>
- Navodnjavanje u Republici Srbiji, 2017. <http://www.stat.gov.rs/sr-latn/vesti/20171215-navodnjavanje/?a=25&s=0>
- Navodnjavanje, (2018). <http://www.stat.gov.rs/sr-latn/vesti/20190109-navodnjavanje-2018/?a=25&s=0>
- MERIXVA - Measurement, monitoring, management and Risk assessment of inland Excess Water in South-East Hungary and North Serbia (Using remotely sensed data and spatial data infrastructure) <http://www.geo.u-szeged.hu/merixwa/>
- Održivo korišćenje prirodnih resursa 2007 – 2013. [http://indicator.sepa.gov.rs/pretrazivanje-indikatora/indikatorilat/plomino\\_documents/66965dbd229e43e69c30556aaad3f16f/](http://indicator.sepa.gov.rs/pretrazivanje-indikatora/indikatorilat/plomino_documents/66965dbd229e43e69c30556aaad3f16f/)
- OMSZ (2019b): [https://www.met.hu/eghajlat/eghajlatvaltozas/megfigyelt\\_valtozasok/](https://www.met.hu/eghajlat/eghajlatvaltozas/megfigyelt_valtozasok/)
- Pravilnik o nacionalnoj listi indikatora zaštite životne sredine (2011). Šumarstvo, lov i ribolov, Službeni Glasnik Republike Srbije br. 37/2011 <http://indicator.sepa.gov.rs/pretrazivanje-indikatora/nacionalna-lista-indikatora-1/pravilnik-o-nacionalnoj-listi-indikatora-zastite-zivotne-sredine#NLI.8.46>
- Privredna komora Vojvodine, <http://www.pkv.rs/>, (Retrieved in 2016)
- Srbija i klimatske promene (2015). GEF (Global Environment Facility), Ministarstvo poljoprivrede i zaštite životne sredine Republike Srbije, UNDP [http://www.cekor.org/documents/pages/583\\_1.pdf](http://www.cekor.org/documents/pages/583_1.pdf)
- Zaštita od štetnog dejstva voda, (2017). <http://www.stat.gov.rs/sr-latn/vesti/20180507-zaštita-od-szetnog-dejstva-voda-2017/?a=25&s=0>
- Vode (2011). <http://indicator.sepa.gov.rs/pretrazivanje-indikatora/indikatorilat/allfindp/159eb85a-58b043ad9d23aef5eeb1e47f>
- WAHASTRAT – Water shortage hazard and adaptive water management strategies in the Hungarian-Serbian cross-border region <https://wahastrat.vizugy.hu/>