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| **Education**    Doctorate, GEORGIA INSTITUTE OF TECHNOLOGY,ATLANTA,, Civil Engineering | |
| **Publications (INTERNATIONAL)**  **Journal Papers**  **Publications 2015-2016:**  1-Draft manuscript  sent for publication to the journal of  Water Resources Management 2016  Title: Regional Frequency Analysis of Drought events for Ankara using Copula Approach  2- Türkiyede ki toprask nem ölçüm istasyonlarının kalite kontrolü İMO-Teknik dergi 2015-16  For further information on recent researchs such as  (reads, contribution, information, satistics) is available on web site  <http://www.researchgate.net/profile/Unal_Sorman>  Research number (peer reviewed journals):39  Citation number:301  Input score: 41.74  RG score:21.18  1-Paper accepted for oral presentation at the International Congress, ICOLD2015, June 13-20, 2015 Stevenger, Norway  Authors: T.H.Bakkon, J.M. Rtugelbak, M.Escobar & A.Unal Sorman  Title: The effects of change in Climate and Irrigation practice on the HP resources in Kızılırmak River Basin, Turkey  adress:[www.icoldnorway2015.org](http://www.icoldnorway2015.org/)  2-Paper submission to the International journal by joint authors (A.U.Sorman, T.Tilmaz, M.H.Afshar)  Title: Frequency analysis of drought events for Ankara city of Turkey using Copula Functions  **Publications (2014-2008)**  **1-    Uluslararası katılımlı kuraklık ve çölleşme ile mücadele sempozyumu" Türkiye deki toprak neminin NOAH hidrolojik yeryüzü modeli ile incelenmesi" Eylül 2014, Konya. Tubitak kurumuna 1050 kapsamlı 114Y109 nolu revize edilen proje teklifi Eylül 2014.**  **2-ICOLD 2015 sempozyuma sunulacak makale " Water balance of Kızılırmak River Basin" Stavanger,  Norway.**  **3-Journal of Hydrology,** Arid Land Hydrology ve Int. Journal of hydrological processes dergilerinde hakemlik.  **4-Sorman;A.U and O.Beser ;**Determination of snow water equivalent over the eastern part of Turkey using passive MW data (2012) Hydrological processes,.  **5-Sorman, A.U. Wadi system components under arid climate**  Hydro\_Arid-2012 March, International conference proceedings, Hyderology of the arid  Environments March (2012)  **6-Sensoy, A., A.U.Sorman and A.A. Sorman ;**Comment on “Catchement flow estimation using ANN in the mountainous Eupharetes Basin”, accepte for publication, 2012 (2011), J.Hydrology, 410,p-134-140.  **7-Keskin, F and A.U Sorman** Assesment of the dry/wet period severity with hydro-metorological drought Index (2010) Int.Journal of Water resources and Env.Engineering  **8-Keskin, F and A.U Sorman Z.Akyürek**;Hydrological modelling in Yuvacık Dam basin with GIS integration (2009) Book published by VDM Verlag Dr Muller  **9-Sorman,A.A., Sensoy,A., Tekeli,A.E., Sorman,A.U and Akyurek,Z.**  Modeling and forecasting snow runoff prediction using the HBV model in the eastern part of Turkey (2009) Hydrological Processes, vol 23 (7) pages 1031-1040**.**  **10-Serdar,S., Akyurek,Z. Sorman,A.A and Sorman,A.U.** Identifying the spatio-temporal trends in snow cover in Upper Euphrates basin (2009) EGU General Assembly Vienna ,Austria  **11-Marım,G., Sensoy, A. And Sorman, A.U** Application of runoff model for Upper Euphrates basin using SDC derived from optical satellites (2009) EGU General Assembly Vienna ,Austria  **12-Sorman,A.A., Sensoy,A., Tekeli,A.E., Sorman,A.U and Akyurek,Z.**  Modeling and forecasting snow runoff prediction using the HBV model in the eastern part of Turkey (2009) Hydrological Processes vol 23 (7) pages 1031-1040.  **13-Serdar,S., Akyurek,Z. Sorman,A.A and Sorman,A.U.** Identifying the spatio-temporal trends in snow cover in Upper Euphrates basin (2009) EGU General Assembly Vienna ,Austria  **14-Marım,G., Sensoy, A. And Sorman, A.U** Application of runoff model for Upper Euphrates basin using SDC derived from optical satellites (2009) EGU General Assembly Vienna ,Austria  **15-Marım,G Sensoy,A. And Sorman, A.U.** Temporal evaluation of snow depletion curves derived using optical RS data(2008) 5th EARSel Workshop-RS of snow and glaciers, Bern, Switzerland.  **16-Sürer,S and et all** Snow cover mapping over mauntainous areas in Europe with SEVIRI/MSG  (2008) 5th EARSel workshop on RS of snow and glaciers, Bern, Switzerland.  **17-Pekkan, E. Sensoy,A. Sorman,A.A and Sorman, A.U.** Using optical satellite produts snow cover mapsin snowmelt runoff modelling, (2008) 5th EARSel workshop on RS of snow and glaciers, Bern, Switzerland.  **18-Sorman,A.U.** Wadi system components in Arab region(2008) 8th International Gulf Wadi Conference, Bahrain, UAE.  **19-Sensoy,A. Sorman,A.A and Sorman, A.U.** Modelling and predicting daily discharges in Yuvacık dam reservoir (2008) Hydro Predict 2008 International conference orginized by Czeck Republic.  **20-Yılmaz, M. And Sorman, A.U.** Integration of a physical backscatter model and basin indices to estimate soil moisture roughness (2008) Hydro Predict 2008 International conference orginized  by Czeck Republic.  **21-Sensoy,A. Sorman,A.A and Sorman, A.U.** Using SDC derived from MODIS and ANSA blended products into hydrological Model (2008) AGU Conference SanFrancisco,USA.  1. Şorman, A.Ü., et al, “Commentory on comparison of MODIS snowcover and albedo products Hydrology and Earth System Sciences (HESS), Vol 11, EGU, 2007  2. Tekeli, I., Şorman A.Ü., Relationship between stable isotopes of precipitation and atmospheric circulation”, IHS vol 1- IAE-CN-ISI, 2007  3. Akyürek, Z., Şensoy, A., Şorman, A., and Şorman, A.Ü., “Cal/Val of satellite derived snow products 24th IUGG, RS for env. Monitoring, HS-3007, IAHS, 2007  4. Şensoy, A., Şorman A.A., Şorman A.Ü., “Application of HEC-HMS model to improve the operation of dam 24th IUGG, Hydrology in mountains region, HS-1003, 2007  5. 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Şarlak, N., Şorman A.Ü., “Evaluation and selection of streamflow network stations using entropy methods” Turkish Journal of Engineering and Environmental Sciences, 30 (2), Pages 91-100, 2006.   |  | | --- | | **A.1** Şorman, A.Ü., Abdulrazzak, M.J. and Morel-Seytoux, H.J., Recharge Estimation from Ephemeral Streams.*"International Journal of Hydrological Processes "*, 11 , (1997), p.1607-1620 .   **A.2** Qary, M.Y. and Şorman, A.Ü., Use of Landsat and Spot Data in Geo-hydrological Aspects of an Arid Terrain.*"International Journal of Arid Environment "*, 12 , (1997), p.100-111 .   **A.3** Şorman, A.Ü. and Okur, A., L-Moment Tekniği Kullanılarak Noktasal ve Bölgesel Frekans Analizinin Uygulanması.*"Teknik Dergi-İMO"*, 11, (2000), p.2199-2216.   **A.4** Akyürek, Z. and Şorman, A.Ü., Monitoring the Snow Covered Areas in the Eastern Part of Turkey from NOAA/AVHRR Data.*"Hydrological Science Journal"*, 47, (2001), p.10.   **A.5** Şorman, A.Ü. and Doğanoğlu, V., Determination of Flood Inundated Areas Using RS Techniques in the Western Black Sea Region.*"Turkish Journal of Engineering and Environmental Sciences"*, 25, (2001), p.379-389.   **A.6** Sensoy,A;E Tekeli;A Sorman ve U.Sorman, Sımulation of event-based snowmelt runoff.*"Canadian Journal of remote sensing"*, 29, (2003), p.693-700.   **A.7** A.U.Sorman, Bolgesel Frekans analizindaki son gelismeler ve Bati Karadeniz de bir uygulama.*"TMMOB,IMO Teknik Dergisi"*, 15, (2004), p.3155-3169.   **A.8** M.Tombul, Z.Akyurek and A.U.Sorman, Determination of Soil hydraulic properties using PDF in Turkey.*"Hydrology and Earth System Sciences-HESS"*, 8, (2004), p.1-10.   **A.9** Tekeli.E, Z.Akyurek,A.Sorman,A.Sensoy,A.U.Sorman, Using MODIS snow cover area maps in modeling snow runoff process in the eastern part of Turkey.*"Journal of Remote Sensing of Environment"*, 97, (2005), p.216-230.   **A.10** Tekeli.E, Z.Akyurek,A.Sensoy,A.Sorman,A.U.Sorman, Modeling the temporal variation in snow cover area on sub\_basin scale for simulating/forecasting of snowmelt runoff in Turkey.*"Hydrological Science Journal"*, 50, (2005), p.669-682.   **A.11** Sensoy,A,. 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Şorman, A.Ü., Tunali, E. and Kaya, I., TU-Remosens Project and Development of an Infrastructure to Observe the Water Potential in Turkey.*"WPMC'97 "*, (1997).   **A.2** Şorman, A.Ü. and Saydam, C., Estimation of Seasonal Streamflow Using RS Satellite Data.*"IAHS'97 "*, 242 , (1997), p.103-112 .   **A.3** Sorman,A.U and H.I.Kaya, Application of SRM model in Turkey using RS/GIS.*"4th. International Workshop on applications of RS in hydrology"*, (1998), p.223-234.   **A.4** Sorman,A.U and E.Uzunoglu, Application of Slurp model in Turkey, case study:Upper Karasu river basın.*"International workshop on application of RS in hydrology"*, (1998), p.235-245.   **A.5** Akyürek, Z., Şorman, Ü. and Tekeli, A.E., Monitoring the Snow-Covered Areas from NOAA-AVHRR Images in the Eastern Part of Turkey through GIS Analysis.*"2. 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Sorman,A.U Sensoy,.A and Sorman, A., Improvements to Dam Operation utilising An Integrated Atmospheric-Hydrologic model.*"14 th British Dam Society meeting"*, 1, (2006), p.12-23.   **A.47** Zakyurek,Z.; Sorman,AU, Development of Snow recognision and snow cover area algorithms for mountainous areas of Europe.*"1 st Workshop of H-SAF"*, 1, (2007), p.18-22.   **A.48** Sorman,AU Abdulrazzak,M, Perspective on Global water resources management and interactions in wadi system components in Arab region.*"Fourth International conference on Wadi hydrology"*, 1, (2007), p.19-32.   **A.49** Sensoy,A.; Sorman,AA.; Yener,MK and Sorman,AU, Application of HEC-HMS model to improve the operation of Yuvacık dam reservoir in Turkey.*"24 th IUGG-2007 Hydrology in mountain regions:Observations, pocesses and dynamics"*, HS-1003, (2007), p.82-95.   **A.50** Tekeli,İ; Sorman,AU, Relationship between stable isotopes of procipitation and atmospheric circulation:Application in a pilot basin in Central Anatolia.*"International symposium on advances in isotope hydrology (IHS-2007)"*, IAE-CN-151, (2007), p.161-167.   **A.51** Zakyurek,Z; Sensoy,A.; Sorman,A and Sorman,AU, Cal/validation of satellite derived snow products with in situ data over the mountainous part of Turkey.*"24 th IUGG RS for env.monitoring and change detection"*, HS-3007, (2007), p.157-168.   **A.52** Sorman,AU; Beser, O., Determination of snow water equivalent for mountainous areas of Europe.*"WS-1 of H-SAF"*, 1, (2007), p.56-60.   **A.53** AA.Sorman, A Sensoy, E.Pekkan and AU Sorman, Modeling snow recognization process using HBV and SRM models.*"HydroPredict 2008 International Conference"*, 1, (2008), p.12.   **A.54** M.Yılmaz and AU Sorman, Integration of a physical backsacatter model and basin indices for estimation of soil surface roughness.*"International Conference on HydroPredict 2008"*, 1, (2008), p.13.   **A.55** AU Sorman and Ö.Beşer, Determination of SWE over mauntainous areas using MW satellite Images in Turkey.*"8 the International congress on Advances in CE"*, 2, (2008), p.8.   **A.56** S.Sürer, O. 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