|  |  |
| --- | --- |
|  |  |
|  **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 ofWater Resources Management 2016Title: Regional Frequency Analysis of Drought events for Ankara using Copula Approach2- Türkiyede ki toprask nem ölçüm istasyonlarının kalite kontrolü İMO-Teknik dergi 2015-16For 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):39Citation number:301Input score: 41.74RG score:21.181-Paper accepted for oral presentation at the International Congress, ICOLD2015, June 13-20, 2015 Stevenger, NorwayAuthors: T.H.Bakkon, J.M. Rtugelbak, M.Escobar & A.Unal SormanTitle: The effects of change in Climate and Irrigation practice on the HP resources in Kızılırmak River Basin, Turkeyadress:[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, 20072. Tekeli, I., Şorman A.Ü., Relationship between stable isotopes of precipitation and atmospheric circulation”, IHS vol 1- IAE-CN-ISI, 20073. 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, 20074. 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, 20075. Şorman, A.Ü., Abdulrazzak, M., “Perspective on global water resources management 4th Int. Conference on Wadi Hydrology”, Unesco-and MRMEWR, 20076. Şarlak N., and Şorman, A.Ü., “GammaAR models and applications on the Kızılırmak basin”, IMO-Vol 18(6), 20077. Şensoy, A., Şorman, A.A., Tekeli, A.E., Şorman, A.Ü., Garen, D.C., “Point-scale energy and mass balance snowpack simulations in the upper Karasu basin, Turkey”, Hydrological Processes, 20(4), Pages 899-922, 20068. 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,. Sorman,A.A, Tekeli,A., Sorman A.U and Garen,G, Point scale energy and mass balance snowpack simulations.*"Int.Journal of Hydrological processes"*, 20, (2006), p.899-922.  **A.12** Tekeli,A.E., Sensor,A., Sorman.A.A.,., Akyurek,.Z., Sorman.,A.U, Accuracy assessment of MODIS daily snow albedo retrievals with in situ measurements in Turkey.*"Int.Journal of hydrological processes"*, 20, (2006), p.706-721.  **A.13** Sorman AU, Z.Akyurek,A.Sensoy, A.A Sorman, Comparison of MODIS snow cover and albedo images with ground observations over mountenous terrain.*"Hydrology and Earth Sysytem Science Discussion (HESSD)"*, 3, (2006), p.3655-3673.  **A.14** Sorman AU, Discussion Comments on Validation of MODIS snow cover over Austria.*"Hydrology and Earth science system (HESS)"*, 3, (2006), p.513-517.  **A.15** Sorman,AU; Akyurek,Z; Sensoy,A.; Sorman,AA.; Tekeli AE, Commentary on comparison of MODIS snow cover and albedo products with ground observations over the mountainous terrain of Turkey.*"Hydrolgy and Earth System Sciences (HESS)"*, 11, (2007), p.1353-1360.  **A.16** Sorman, Arda, Sensoy, A, Tekeli E, Akyurek,Z and A.U Sorman, Modeling and forecasting snow runoff prediction using the HBV model in the eastern part of Turkey.*"Int.Journal of Hydrological processes"*, 23, (2009), p.1031-1040. |

 **Conference Papers**

|  |
| --- |
|   **A.1** Saydam, C. 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. International Conference on GIS for Earth Science Applications"*, (2000), p.70-72.  **A.6** Şorman, A.A. and Şorman, A.Ü., RS/GIS Approach in Hydrologic Modelling.*"4th International Congress on Advances in Civil Engineering"*, 4, (2000), p.1779-1790.  **A.7** Akyürek, Z. and Şorman, A.Ü., Monitoring the Snow Area Covers in the Eastern Part of Turkey.*"4th International Congress on Advances in Civil Engineering"*, 4, (2000), p.1023-1032.  **A.8** Mermer, A., Ünal, E., Tekeli, E. and Şorman, A.Ü., Snow Cover Monitoring of Sandiras Mountain Using NOAA Satellite Imagery.*"2. International Conference on GIS for Earth Science Applications"*, (2000), p.68-74.  **A.9** Akyürek, Z. and Şorman, A.Ü., Snow Depth Monitoring at Regional Scale.*"20th Annual ESRI International User Conference"*, (2000).  **A.10** Şorman, A.A. and Şorman, A.Ü., GIS Approach in Hydrologic Modelling.*"EMEA ESRI User Conference"*, (2000).  **A.11** Şensoy, A. and Şorman, A.Ü., Hydrologic Modelling of Karasu Basin Using GIS.*"EMEA ESRI User Conference"*, (2000).  **A.12** Öz, S., Akyürek, Z. and Şorman, A.Ü., GIS Application for Daily Meteorological Data.*"EMEA ESRI User Conference"*, (2000).  **A.13** Şorman, A.Ü., Uzunoğlu, E. and Kaya, İ., Application of Hydrologic Models (SRM and Slurp) in Turkey.*"4th International Congress on Advances in Civil Engineering"*, 4, (2000), p.1751-1760.  **A.14** Doğanoğlu, V., Merzi, N., Şorman, A.Ü. and Usul, N., Coupling of GIS with HEC-2 Model.*"EMEA ESRI User Conference"*, (2000).  **A.15** Şorman, A.Ü., Uzunoğlu, E. and Kaya, I., Application of SRM and Slurp Model in Eastern Turkey Using RS/GIS.*"Remote Sensing and Hydrology 2000"*, 269, (2000).  **A.16** Şensoy, A. and Şorman, A.Ü., Hydrologic Model Application Using GIS.*"4th International Congress on Advances in Civil Engineering"*, 4, (2000), p.1779-1800.  **A.17** Doğanoğlu, V. and Şorman, A.Ü., Inundation of Flooded Areas in Western Lack Sea Region Using RS/GIS Techniques.*"International Seminar on Hydrology of the Mediterranean Regions"*, (2000).  **A.18** Şorman, A.Ü., Doğanoğlu, V. and Merzi, N., Coupling of GIS within a Hydraulic Model for Flood Hazards.*"International Symposium and Seminar on Present State and Future Trends of Karst"*, (2000).  **A.19** Şensoy, A. and Şorman, A.Ü., Coupling of RS/GIS in Hydrologic Model.*"International Workshop on the Application of RS in Hydrology"*, (2001), p.15-25.  **A.20** Şorman, A.Ü., Regional Streamflow Network Analysis Using GLS Method.*"NATO Advanced Research Workshop"*, NATO-ASI, (2001).  **A.21** Şorman, A.Ü., Akyürek, Z. and Doğanoğlu, V., Inundation of Flooded Areas in Black Sea Region.*"International Hydrological Program Seminer "*, PHI-V P1, (2001), p.373-380.  **A.22** Şorman, A.Ü. and Akyürek, Z., Detection of Seasonal Land Cover Changes Using Multi-temporal Images.*"International Workshop on Application of RS in Hydrology"*, (2001), p.1-14.  **A.23** Şorman, Ü.,, Application of the SRM and SLURP Models.*"RS and Hydrology IAHS"*, 267, (2001), p.81-86.  **A.24** Şorman, A., Tekeli, A.E. and Şorman, A.Ü., Application of Snowmelt Runoff Models over Turkey and Central Asia.*"XXII Nordic Hydrological Conference "*, NHC 2002, (2002).  **A.25** Sorman Unal, Statistical tools and recent techniques on frequency analysis.*"II International Conference on Wadi hydrology, Amman"*, 1, (2003), p.17-25.  **A.26** Sorman Unal, Modelling of spatially varied precipitation records.*"II International Conference on Ecology protection, Sofia"*, 1, (2003), p.32-43.  **A.27** Tekeli A, U Sorman, Design and Installation of snowmelt lysimeter.*"60. International Snow Conference ,Quebec"*, 1, (2003), p.80-92.  **A.28** Tekeli I and U Sorman, Separation of hydrograph using stable isotopes case study Guvenc basin.*"International symposium on isotope hydrology, Vienna"*, 2, (2003), p.10-12.  **A.29** Sorman Unal, Flood inundation mapping areas.*"II International Conference on Wadi hydrology, Amman"*, 2, (2003), p.89-95.  **A.30** Sorman Unal, Artificial groundwater recharge.*"II International Conference on Wadi hydrology, Amman"*, 2, (2003), p.50-58.  **A.31** A.A.Sorman,A.E.tekeli,A.Sensoy and A.U.Sorman, Forecasting of the early Snowmelt Flood event of 2004.*"Advances in Civil Engineering-6 th International Conference"*, 1, (2004), p.1378-1387.  **A.32** Z.Akyurek and A.U.Sorman, Estimating the soil moisture from ERS-2/SAR data in the Kurukavak basin, Turkey.*"ENVISAT/SAR International conference"*, (2004), p.45.  **A.33** A.E.Tekeli,A.A.Sorman,A.Sensoy and A.U.Sorman, Snowmelt lysimeters for real time snowmelt studies in Turkey.*"Advances in Civil Engineering-6 th International Conference"*, 1, (2004), p.1388-1397.  **A.34** A.Sensoy,A.A Sorman, A.E.Tekeli and A.U.Sorman, Snow melt modelling with energy and mass balance approaches.*"Advances in Civil Engineering"*, 1, (2004), p.1368-1377.  **A.35** A.E.Tekeli,A.A.Sorman,A.Sensoy and A.U.Sorman, Snowmelt lysimeters for real time snowmelt studies in Turkey.*"Advances in Civil Engineering-6 th International Conference"*, 1, (2004), p.1388-1397.  **A.36** A.U.Sorman, Importance of hydro-met data bank for use in models and disaster management using new techniques in Turkey.*"EFCA\_2004"*, (2004).  **A.37** A.U.Sorman, Natural water cycle on the Earth and state of water in the Arab Region(Invited paper).*"The third International Conference on Wadi Hydrology"*, I, (2005), p.10-18.  **A.38** M.Abdulrazzak, A.U.Sorman, Event based water balance approach.*"The third International conference on Wadi Hydrology"*, II, (2005), p.112-121.  **A.39** Sensoy.A,A.Sorman,E.Tekeli,A.U.Sorman,D.Garen, Physically based point snowmelt model application and its spatial distribution with radiation index method in Turkiye.*"73 rd. Western Snow Conference, Montano"*, I, (2005), p.87-94.  **A.40** A.Sorman,E.Tekeli,A.Sensoy,Z.Akyurek,A.U.Sorman, Modeling and forecasting snowmelt runoff process using the HBV model.*"Fourth EARS conference on remote sensing of snow"*, I, (2005), p.10-17.  **A.41** Tekeli.E,A.Sorman.Z.Akyurek,A.Sensor,,A.U.Sorman, Modis snow cover studies and their comparison with ground thruth observation in Karasu basin,Turkey.*"73 rd. Western Snow Conference, Montano"*, I, (2005), p.101-120.  **A.42** Tekeli.E,A.Sorman,Z.Akyurek,A.Sensoy,A.U.Sorman, MODIS snow cover maps for snow runoff forecasitg in Karasu Basin.*"4th EARSel conference on remote sensing of snow"*, I, (2005), p.78-84.  **A.43** A.U.Sorman, M.Abdulrazzak, Ground water recharge estimation using numerical and analytical solution.*"The third International conference on Wadi Hydrology"*, II, (2005), p.122-132.  **A.44** Sorman ,A., Sensoy,.A. and Sorman A.U, Z.Akyurek, Use of satellite observed seasonal snow cover in hydrological modeling.*"7 th International Congress on Advances in Civil Engineering meeting (ACE)"*, ace06-649, (2006), p.23-32.  **A.45** Sorman.,A.U, Determination of flood inundated areas in Turkey.*"International workshop on flash floods"*, 1, (2006), p.20-32.  **A.46** Gezgin,T,. 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. Gökdemir, Ö.Beşer, A.Ertürk, Z.Akyürek and AU Sorman, Real time snow recognization from MSG-satellite for mountainous areas.*"28 the EARSel symposium on remote sensing for a changing Europe"*, 1, (2008), p.14.  **A.57** G.Marım, A. Sensoy and AU Sorman, Temporal evaluation of snow depletion curves derived by optical RS data for simulating and forecasting snowmelt runoff.*"5 th EARSel Workshop- Remote sensing of snow and Glaciers"*, 1, (2008), p.12.  **A.58** İ.Tekeli and AU Sorman, Hydrograph analysis using stable isotops in a micro-scale basin.*"Balwois, Water observation and Information system for decision support"*, Topic7, (2008), p.11.  **A.59** S.Sürer, O.Gökdemir, Z.Akyürek and AU Sorman, Snow cover mapping over mauntainous areas in Europe with MSG-SEVIRI.*"5 th EARSel Workshop on RS of snow and glaciers- changing climate"*, 1, (2008), p.12.  **A.60** Z.Akyurek and AU Sorman, The role of satellite images for sustainable development of the water resources in the mountainous terrain.*"Balwois, Water Observation and information system fıor decission support"*, Topic 8, (2008), p.10.  **A.61** A.Sensoy, AA Sorman, F. Keskin and AU Sorman, Modelling and predicting daily discharges in Yuvacik Dam Reservoir using two different models.*"HydroProduct 2008, Prague Czech republic"*, 1, (2008), p.15.  **A.62** A.U Sorman, Wadi system components in Arab Region.*"8 th International Gulf Wadi Conference"*, 1, (2008), p.24.  **A.63** M.Yılmaz, A Sorman and AU Sorman, Mapping Surface Soil Moisture with Synthetic Apparture Radar Data and Basin Indexes.*"AGU 2008"*, (2008), p.1.  **A.64** A.Sensoy, E Pekkan, Z Akyurek AA Sorman and AU Sorman, Comparing The Results Of ANSA Blended And MODIS Derived Snow Depletion Curves In Hydrological Modeling.*"AGU 2008 SanFrancisco"*, (2008), p.1.  **A.65** E.Pekkan, A.Sensoy,AA:Sorman and AU Sorman, Using Satellite Product Snow Cover Maps in Snowmelt Runoff Modeling and Impact Studies in the Eastern Part of Turkey.*"5 th EARSel workshop, remote sensing of snow and glaciers"*, 1, (2008), p.11.  **A.66** Z.Akyurek and AU Sorman, Assessment of different topographic correction in MODIS data for mapping effective snow covered areas in Mountainous terrain.*"28 th EARSel sympoziun on remote sensing for Changing Europe"*, 1, (2008), p.8.  **A.67** Surer,S, Z.Akyurek, A.Erturk, AU Sorman, J Kanak, Evaluating the utility of the EUMETSAT HSAF snow recognition product in mapping SC extent.*"33rd International Symposium on Remote Sensing of Environment (ISRSE)"*, TS42-3, (2009), p.597.  **A.68** Sorman A.U, Experiance gained from WWF5 on basin management.*"Int.conference on capacity building in Urban WM under water scarcity"*, 1, (2009), p.1-12.  **A.69** Sorman, A:U, Summary of scientific papers, conculusions and recommendations of the Conference.*"International conference on capacity building in Urban WM under water scarcity"*, 1, (2009), p.1-8.  **A.70** Marim,G, A.Sensoy and AU Sorman, Application of snowmelt runoff model for upper Euphrates basin.*"33rd International Symposium on Remote Sensing of Environment (ISRSE)"*, TS42-4, (2009), p.1-6.  **A.71** Sensoy A, Sorman A, Pekkan E, A.U Sorman, HEC-HMS model application in Yuvacık Dam reservuar.*"IAHS Hydrology in Mountain regions"*, 326, (2009), p.93-101.  **A.72** AU Sorman, Climate induced changes on hydrology and water resources managing river basins.*"5 th World Water Forum"*, (2009), p.8. |

|  |
| --- |
|  |

**Book and Chapter in a Book**

|  |
| --- |
|   **A.1** Şorman, A.Ü. and Abdulrazzak, M.J., Estimation of Wadi Recharge from Channel Losses, Case Study: Tabalah Basin in Saudi Arabia.*"International Assoc.of Hydrogeologists "*, ICH , (1997), p.187-200 .  **A.2** Sorman Unal, Parameter estimation techniques and multivariate analysis in hydrology.*"First International Advanced course on water resources data analysis"*, I, (2003), p.100-145.  **A.3** Sorman Unal, Regional Streamflow network analysis.*"Integrated technique for Environmental Monitoring , NATO Advanced Series C-1"*, 23, (2003), p.91-102.  **A.4** A.U.Sorman, Correlation and regression analysis ; application of probability distribution.*"Int advance course on Water Resorces Data Analysis"*, I, (2005), p.112-134. |

|  |
| --- |
|  |

 |
| **Publications (NATIONAL)** **Journal Papers**  **A.1** Acar, R., Hınzır, H. ve Şorman, A.Ü., Evaluation of Precipitation Records in the Çoruh Basin Using Statistical Techniques.*"Journal of Water and Statistics"*, (1998).  **A.2** Tekeli I and U Sorman, Separation of hydrograph components using isotope techniques.*"Journal of Engineering -Environmental Science, TUBITAK"*, 27, (2003), s.383-395.  **A.3** Tekeli.E,A.Sorman,A.,Sensoy,A.U.Sorman,J.Bonta, Snow melt lysimeters for real time snow melt studies in Turkey.*"Journal of Engineering and Env.Sciences"*, 29, (2005), s.29-40.  **A.4** Sarlak,N,. Sorman.A.U, Evaluation and selection of streamflow network stations.*"Turkish Journal of Engineering and Environment"*, 30, (2006), s.91-100.  **A.5** Sarlak, N and Sorman,AU, Gamma AR models and applications on the Kızılırmak basin.*"Selected paper for pub in technical journal of Turkish Chamber(Digest 2007)"*, 18, (2007), s.1153-1161.  **A.6** Sarlak,N.; Sorman,AU, Gamma otoregressive modeller ve uygulamalar.*"İnşaat Mühendisleri Odası Teknik Dergisi"*, 18, (2007), s.4219-4227. **Conference Papers**

|  |
| --- |
|   **A.1** Şorman, A.Ü, Saydam, C. ve Kaya, I., Uzaktan Algılama Verileri ile Taşkın Mevsimindeki Akımların Ön Tahmin Çalışmaları.*"Meteorolojik Karakterli Doğal Afetler "*, (1997), s.142-155 .  **A.2** Şorman, A.Ü., Yeni Yöntemlerle Kar Model Çalışmaları.*"II.Ulusal Hidrometeoroloji Sempo"*, (1998).  **A.3** Öz, S., ve Şorman, A.Ü., Günlük Yağış Verilerinin Markov Zincir Modeli ile Modellenmesi.*"II. Ulusal Hidroloji Kongresi"*, (1998), s.192-201.  **A.4** Merzi,M ,I Baga ve A.U.Sorman, Su basma alanlarının UA/CBS ile belirlenmesi.*"Su Muhendisligi Semineri"*, (1998), s.1.1-1.11.  **A.5** Şorman, A.Ü., Kaya, I., Algun, O. ve Küpcü, R., Uzaktan Algılama ve CBS ile Kar Model Çalışmaları.*"I. Ulusal Kar Kongresi"*, (1998), s.169-182.  **A.6** Şorman, A.Ü., Okur, A. ve Uraz, E., Bölge Frekans Analizindeki Son Gelişmeler ve Türkiye'deki Uygulamalari.*"II. Ulusal Hidroloji Kongresi"*, (1998).  **A.7** Uzunoglu, E. and Şorman, A.U., Hidrolojik Modellerde Girdı Dosyalarının Hazırlanışı.*"ESRİ Ulusal Toplantısı"*, (1999).  **A.8** Şorman, A.U. and Uzunoglu, E., Hidrolojik Model Verilerinin UA/CBS ile Hazırlanışı.*"X. İnşaat Mühendisliği Sempozyumu "*, (1999).  **A.9** Şorman, A.A. and Şorman, A.U., Hidrolojik Modellerde Yeni Teknolojilerinin Kullanımı.*"ESRI Ulusal toplantısı"*, (1999).  **A.10** Şorman, A.U., Su Toplama Havzalarına Hidrolojik Bakış.*"Sempozyum"*, (1999).  **A.11** Akyürek, Z., Şorman A.Ü. and Tekeli A., Doğu Anadolu Bölgesinde Kar Kaplı Alanların NOAA/AVHRR ile Belirlenmesi.*"2. Ulusal Kar Kongresi"*, 73, (2000), s.7-22.  **A.12** Uzunoğlu, E., Şorman, A.Ü. and Şensoy, A., Hidrolojik Modellerde Yeni Tekniklerin Uygulanması.*"2. Ulusal Kar Kongresi"*, 73, (2000), s.219-236.  **A.13** Şorman, A.Ü., Hidrolojik Modellerde UA/CBS Tekniklerine Genel Bakış.*"2. Ulusal Kar Kongresi"*, 73, (2000), s.209-218.  **A.14** Keskin, E. and Şorman, A.Ü., Eğirdir Gölü Hidrometeorolojik Verilerin Değerlendirilmesi.*"I. Eğirdir Sempozyumu"*, (2001).  **A.15** Şorman, A.Ü. and Akyürek, Z., Havza Modellemesinde Hidrometeorolojik Verinin Önemi ve Türkiye Uygulamaları.*"Meteoroloji Genel Müdürlüğü Planlama Semineri"*, (2001), s.1-10.  **A.16** Tombul, M., Şorman, A.Ü. and Akyürek, Z., Hidrolojik Havzalarda Benzeşim Parametrelerinin Belirlenmesi.*"III. Ulusal Hidroloji Kongresi"*, (2001), s.329-336.  **A.17** Şorman, A.Ü., UA/CBS ile Havza Modellemesinde Verinin Önemi ve Uygulamalar.*"III.Ulusal Hidroloji Kongresi"*, (2001), s.79-92.  **A.18** Tekeli, İ. and Şorman, A.Ü., Akım Hidrograflarının Bileşenlere Ayırımda Kararlı İzotopların Kullanılması.*"Sempozyum "*, 1, (2002), s.137-153.  **A.19** Tombul M, Z Akyurek and U.Sorman, Yagıs-akıs modelleri icin toprak hidrolik ozellıklerinin belirlenmesi.*"I. Ulusal Su Muhendisligi Sempozyumu Gumuldur"*, 1, (2003), s.1-12.  **A.20** Z.Akyurek,A.U.Sorman and M.Tombul, Yari dagilimli hidrolojik model ile sig yeralti suyunun modellenmesi.*"4 th National Hydrology Congress"*, 1, (2004), s.489-499.  **A.21** A.Sensoy,A.A Sorman, A.E.Tekeli and A.U.Sorman, Yukari Karasu ha vzasinda nokta bazli kar yuzeyi iklim ve enerji degisimi 2.Enerji dengesinin degerlendirilmesi.*"4 th National Hydrology Congress"*, 1, (2004), s.309-318.  **A.22** A.A.Sorman,A.E.tekeli,A.Sensoy and A.U.Sorman, Yukari Karasu havzasinda nokta bazli yar yuzeyi iklim ve enerji degisimi 1.Meteorolojik ve kar olcumlerinin gercek zamanli gozlenmesi.*"4 th National Hydrology Congress"*, 1, (2004), s.297-307.  **A.23** N.Sarlak and A.U.Sorman, Otoregresive zaman serilerinin modelleme parametrelerinin yeni bir metotla elde edilmesi:uygulama.*"4 th National Hydrology Congress"*, 1, (2004), s.235-247.  **A.24** A.U.Sorman, Overview of snowmelt model studies in Turkey (Invited speaker).*"4 th National Hydrology Congress"*, 1, (2004).  **A.25** A.E.Tekeli,A.A.Sorman,A.Sensoy and A.U.Sorman, Kar lizemetresinin tasarimi, imalati,Isletimi ve on bulgular.*"4 th National Hydrology Congress"*, 1, (2004), s.285-295.  **A.26** Tekeli.I,A.U.Sorman,M.Sayin, Yagislarin kararli izotoplar ile iliskilendirilmesi.*"II.Ulusal Hidrolojide Izotop Tekniklerinin Kullanilmasi Sempozyumu"*, I, (2005), s.18=28.  **A.27** Akyurek.Z, M.Yilmaz,M.Tombul, A.U.Sorman, Toprak neminin arazide haritalanmasi.*"II.Ulusal Su Muh.Sempozyumu"*, II, (2005), s.144-157.  **A.28** Sarlak.N, A.U.Sorman, Farkli parametre tahmin modelleri ile Gamma AR modeller ve uygulamasi.*"II.Ulusal Su Muhendıslıgı Sempozyumu"*, II, (2005), s.105-115.  **A.29** Sensoy.A,A.Sorman,E.Tekeli.A.U.Sorman, Y.Karasu havzasinda noktasal bazli Enerji ve Kutle dengesi model uygulamalari.*"II.Ulusal Su Muh.Sempozyumu"*, I, (2005), s.75-82.  **A.30** Sorman,.A.U, Turkiye de su yönetimine bakış ve değerlendirmeler.*"Su Politikaları Kongresi"*, 1, (2006), s.120-135.  **A.31** Yener,MK; Sorman,AU.; Sorman,A.; Sensoy,A.; and Gezgin,T, Modelling studies with HEC-HMS and runoff scenarios in Yuvacık basin, Turkey.*"International Congress on river basin management(river basin flood management)"*, 4, (2007), s.621-634.  **A.32** Sorman,AU, Ortadoğu bölgesinin mevcut su kaynakları ve geleceği ve HSAF kapsamındaki faaliyetler.*"İMO-Ankara"*, 1, (2007), s.1-7.  **A.33** Tombul,M.;Sorman,AU.; Akyurek,Z,;Yılmaz,M., Kurukavak havzasında TOPMODEL kullanılarak akış hidrografının modellemesi.*"5. Ulusal Hidroloji Kongresi-Ankara"*, 1, (2007), s.411-418.  **A.34** Sorman,AU, Uzaktan algılama teknikleri kullanılarak taşkın alanlarının belirlenmesi (Batı Karadeniz Uygulaması).*"DSİ-Yağış-Heyelan-Sel Sempozyumu"*, 1, (2007), s.45-55.  **A.35** Keskin,F.; Sensoy,A.;Sorman,AA;and Sorman,AU, Application of MIKE11 model for the simulation of snowmelt runoff in Yuvacık dam basin, Turkey.*"International Congress on River basin management(river basin flood management)"*, 4, (2007), s.472-484.  **A.36** Tekeli,İ.; Sorman,AU, Gözlenen hidrolojik veriler ile tahmin edilen yüzeyakış egrisinin karşılaştırılması.*"5. Ulusal Hidroloji Kongresi-Ankara"*, 1, (2007), s.449-458.  **A.37** Akyurek, Z.; Sorman,AU.; Sensoy,A.; and Sorman,AA, Calibration and validation of satellite derived snow products with in situ data, Turkey.*"International Congress on river basin management"*, 4, (2007), s.711-726.  **A.38** Şorman,AA; Sensoy,A .;Beser,O ve Sorman,AU, Mesoscale model 5 (MM5) hava tahmin modelinin tutarlılığı.*"5.Ulusal Hidroloji Kongresi-Ankara"*, 1, (2007), s.73-81.  **A.39** Sorman,AU, Türkiye de uydu teknolojileri ile kar-su potensiyesinin belirlenmesi ve geleceğe bakış.*"Erzurum Kar semineri-DSİ"*, 1, (2007), s.1-10.  **A.40** Harmancıoğlu,N.; Sorman,AU et al, Gediz basin management, problems and possible remedies.*"International Congress on river basin management (Practices on river basin management)"*, 3-ChapterI, (2007), s.138-153.  **A.41** AU Sorman, Van gölü hidrolojisi ve su bütçesinin tayini.*"5.Dünya Su Fomu DSİ Yurt içi toplantıları"*, 1, (2008), s.16.  **A.42** AU Sorman, Snow hydrology in Upper FIRAT Catchment Basin Turkey.*"5.Dünya Su Formu DSİ Yurtiçi toplantı kitabı"*, 1, (2008), s.15.  **A.43** A.Sensor, A.Sorman ve AU Sorman, Kar hidrolojisinde havza modellemesi.*"Erzurum Kar Hidrolojisi Konferansı"*, 1, (2008), s.8.  **A.44** İ.Tekeli ve AU Sorman, SCS eğri numaraları ile havza modellemesi.*"5.Dünya Su Forumu DSİ Yurtiçi toplantısı Artvin Su ve Enerji"*, 1, (2008), s.9.  **A.45** AU Sorman, Integrate Su havza Yönetimi.*"2. Su politikaları toplantısı"*, 1, (2008), s.20.  **A.46** İ.Tekeli ve AU Sorman, İzotop yekniklerinin hidrograf ayrımında kullanımı.*"III. ULUSAL HİDROLOJİDE İZOTOP TEKNİKLERİ SEMPOZYUMU, İSTANBUL "*, 1, (2008), s.10.  **A.47** E.Pekkan, A.Sensoy, M Ekmekçi ve AU Sorman, Kar modellerinde izotop teknikleri kullanılarak kar ve yağmur erimelerinin belirlenmesi.*"III. ULUSAL HİDROLOJİDE İZOTOP TEKNİKLERİ SEMPOZYUMU, İSTANBUL"*, 1, (2008), s.9.  **A.48** Akyurek Z, Dorothy H, George R ve A.U Sorman, ANSA harmanlanmis kar kapli urununun Turkiye nin daglik bolgesinde degerlendirilmesi.*"3. Ulusal kar Kongresi"*, 1, (2009), s.8.  **A.49** A.U Sorman, Uydu teknolojilerinin kar hidrolojisi modellemelerinde kullanilmasi.*"3. Kar Hidrolojisi kongresi"*, 1, (2009), s.14.  **A.50** Pekkan E, A.Sensoy, A.Sorman, S.Bayari ve AU Sorman, Hidrolojik model parametrelerinin belirlenmesinde suyun kararli izotop ve kimyasal iceriginin kullanılması.*"3.Ulusal Kar Kongresi"*, 1, (2009), s.14.  **A.51** Tekeli I, AU Sorman, Yagislarda kararli izotoplarin kullanimi.*"3.Ulusal Kar Kongresi"*, 1, (2009), s.8.  **A.52** Serdar S,O.Gokdemir, Z.Akyurek and A:U:Sorman, Identifying the spatio-temporal trends in snow cover in upper Euphrates basin using remote sensing.*"European Geosciences Union General Assembly, 2009"*, 1, (2009), s.1-9.  **A.53** Marım G, A.Sensoy and A. U.Sorman, Applications of Snowmelt Runoff Model for Upper Euphrates Basin Using Snow Depletion Curves Derived from Optical Satellites.*"EGU General Assembly"*, 1, (2009), s.1-8.  **A.54** Surer S , O.Gokdemir, O Beser, Z.Akyurek ve AU Sorman, MSG-SEVIRI Verisi Kullanılarak Avrupa Üzerindeki Dağlık Alanlarda Gerçek Zamanlı Kar Kaplı Alan Ürünü Üretilmesi.*"3. Ulusal Kar Kongresi"*, 1, (2009), s.15.  **A.55** Sensoy A, A.Sorman, E.Pekkan ve AU Sorman, Uydudan tespit edilen Karla Kaplı Alanların Hidrolojik Modellemede Kullanımı.*"3. Ulusal Kar Kongresi"*, 1, (2009), s.12. |

|  |
| --- |
|  |

 |