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Personal Information

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Education Information

Doctorate, George Mason University, College of Science, Earth System Sciences, United States Of America 2006 - 2011

Post Graduate, Vrije Universiteit Amsterdam, Earth System Sciences, Earth System Sciences, Netherlands 2003 - 2005

Under Graduate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey 1998 - 2003

Dissertations

Doctorate, improving land data assimilation performance with a water budget constraint, George Mason University, 2010

Post Graduate, vegetation water content estimation, Vrije Universiteit Amsterdam, 2005

Research Areas

Surface Water Engineering, Hydrology, Water Resources Planning and Management, Groundwater Engineering

Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2018 - Continues

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2018 - 2018

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2014 - 2018

Lecturer, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2013 - 2014

Advising Theses

YILMAZ M. T. , Evaluating and merging model- and satellite-based precipitation products over varying climate and topography, Doctorate, M.Amjad(Student), 2020

YILMAZ M. T. , Investigation of added utility of nonlinear techniques in rescaling soil moisture datasets, Doctorate, M.HESAMI(Student), 2019

YILMAZ M. T. , Decadal variability analysis of extreme precipitation in Turkey and its relationship with teleconnection patterns, Post Graduate, E.DÜZENLİ(Student), 2017

YILMAZ M. T. , Predictability of monthly streamflow discharge using remotesensing precipitation data by data driven models, Post Graduate, M.ALİ(Student), 2017

YILMAZ M. T. , Evaluation of the consistency of station-based soil moisture measurements with hydrological model and remote sensing observations over Turkey, Post Graduate, B.BULUT(Student), 2015

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Comparative Evaluation of Microwave L-Band VOD and Optical NDVI for Agriculture Drought Detection over Central Europe**
Afshar M. H. , Al-Yaari A., YILMAZ M. T.
REMOTE SENSING, vol.13, no.7, 2021 (Journal Indexed in SCI)
- II. **Evaluating the performance of a WRF initial and physics ensemble over Eastern Black Sea and Mediterranean regions in Turkey**
Düzenli E., Yücel İ., Pilatin H., Yılmaz M. T.
Atmospheric Research, vol.248, 2021 (Journal Indexed in SCI Expanded)
- III. **Climate change impact assessment on mild and extreme drought events using copulas over Ankara, Turkey**
Afshar M. H. , Sorman A. U. , Tosunoglu F., Bulut B., YILMAZ M. T. , MEHR A. D.
THEORETICAL AND APPLIED CLIMATOLOGY, vol.141, pp.1045-1055, 2020 (Journal Indexed in SCI)
- IV. **Performance evaluation of satellite- and model-based precipitation products over varying climate and complex topography**
Amjad M., YILMAZ M. T. , YÜCEL İ., YILMAZ K. K.
JOURNAL OF HYDROLOGY, vol.584, 2020 (Journal Indexed in SCI)
- V. **Impact of Rescaling Approaches in Simple Fusion of Soil Moisture Products**
Afshar M. H. , YILMAZ M. T. , Crow W. T.
WATER RESOURCES RESEARCH, vol.55, no.9, pp.7804-7825, 2019 (Journal Indexed in SCI)
- VI. **Evaluation of Remotely-Sensed and Model-Based Soil Moisture Products According to Different Soil Type, Vegetation Cover and Climate Regime Using Station-Based Observations over Turkey**
Bulut B., YILMAZ M. T. , Afshar M. H. , Sorman A. U. , YÜCEL İ., Cosh M. H. , Simsek O.
REMOTE SENSING, vol.11, no.16, 2019 (Journal Indexed in SCI)
- VII. **Decadal variability analysis of extreme precipitation in Turkey and its relationship with teleconnection patterns**
Duzenli E., Tabari H., Willems P., YILMAZ M. T.
Hydrological Processes, vol.32, no.23, pp.3513-3528, 2018 (Journal Indexed in SCI Expanded)
- VIII. **Uydu Kaynaklı Yağmur Verilerinin Hata Oranlarının Deniz Kıyılarına Olan Uzaklığına Bağlı Analizi**
Yılmaz m., amjad m., bulut b., YILMAZ M. T.
Teknik Dergi, vol.484, pp.7993-8005, 2017 (Journal Indexed in SCI Expanded)
- IX. **The added utility of nonlinear methods compared to linear methods in rescaling soil moisture products**
Afshar M. H. , YILMAZ M. T.
REMOTE SENSING OF ENVIRONMENT, vol.196, pp.224-237, 2017 (Journal Indexed in SCI)
- X. **Monthly flooded area classification using low resolution SAR imagery in the Sudd wetland from 2007 to 2011**
Wilusz D. C. , Zaitchik B. F. , Anderson M. C. , Hain C. R. , YILMAZ M. T. , Mladenova I. E.
REMOTE SENSING OF ENVIRONMENT, vol.194, pp.205-218, 2017 (Journal Indexed in SCI)
- XI. **Investigation of the dependence of satellite-based precipitation estimate errors to distance from the coastline Uydu Kaynaklı Yağmur Verilerinin Hata Oranlarının Deniz Kıyılarına Olan Uzaklığa Bağlı Analizi**
YILMAZ M., Amjad M., Bulut B., YILMAZ M. T.
Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers, vol.28, no.3, pp.7993-8005, 2017 (Journal Indexed in SCI)
- XII. **Analysis of the 2007 and 2013 Droughts in Turkey by NOAA Hydrological Model**

Bulut B., YILMAZ M. T.

TEKNIK DERGI, vol.27, no.4, pp.7619-7634, 2016 (Journal Indexed in SCI)

- XIII. **Conditional Copula-Based Spatial-Temporal Drought Characteristics Analysis-A Case Study over Turkey**
Afshar M. H. , Sorman A. U. , YILMAZ M. T.
WATER, vol.8, no.10, 2016 (Journal Indexed in SCI)
- XIV. **Türkiye deki 2007 ve 2013 Yılı Kuraklıklarının NOAH Hidrolojik Modeli ile İncelenmesi**
bulut b., YILMAZ M. T.
Teknik Dergi, vol.27, no.4, pp.7619-7634, 2016 (Journal Indexed in SCI Expanded)
- XV. **Impact of Model Relative Accuracy in Framework of Resealing Observations in Hydrological Data Assimilation Studies**
YILMAZ M. T. , Crow W. T. , Ryu D.
JOURNAL OF HYDROMETEOROLOGY, vol.17, no.8, pp.2245-2257, 2016 (Journal Indexed in SCI)
- XVI. **The Evaporative Stress Index as an indicator of agricultural drought in Brazil: An assessment based on crop yield impacts**
Anderson M. C. , Zolin C. A. , Sentelhas P. C. , Hain C. R. , Semmens K., YILMAZ M. T. , Gao F., Otkin J. A. , Tetrault R.
REMOTE SENSING OF ENVIRONMENT, vol.174, pp.82-99, 2016 (Journal Indexed in SCI)
- XVII. **Optimal averaging of soil moisture predictions from ensemble land surface model simulations**
Crow W. T. , Su C. - , Ryu D., YILMAZ M. T.
WATER RESOURCES RESEARCH, vol.51, no.11, pp.9273-9289, 2015 (Journal Indexed in SCI)
- XVIII. **Comparison of satellite-derived LAI and precipitation anomalies over Brazil with a thermal infrared-based Evaporative Stress Index for 2003-2013**
Anderson M. C. , Zolin C. A. , Hain C. R. , Semmens K., YILMAZ M. T. , Gao F.
JOURNAL OF HYDROLOGY, vol.526, pp.287-302, 2015 (Journal Indexed in SCI)
- XIX. **Diagnosing Neglected Soil Moisture Source-Sink Processes via a Thermal Infrared-Based Two-Source Energy Balance Model**
Hain C. R. , Crow W. T. , Anderson M. C. , YILMAZ M. T.
JOURNAL OF HYDROMETEOROLOGY, vol.16, no.3, pp.1070-1086, 2015 (Journal Indexed in SCI)
- XX. **An intercomparison of remotely sensed soil moisture products at various spatial scales over the Iberian Peninsula**
Parinussa R., Yilmaz M. T. , Anderson M., Hain C., de Jeu R.
Hydrological Processes, vol.28, no.18, pp.4865-4876, 2014 (Journal Indexed in SCI)
- XXI. **Evaluation of Assumptions in Soil Moisture Triple Collocation Analysis**
YILMAZ M. T. , Crow W. T.
JOURNAL OF HYDROMETEOROLOGY, vol.15, no.3, pp.1293-1302, 2014 (Journal Indexed in SCI)
- XXII. **The Auto-Tuned Land Data Assimilation System (ATLAS)**
Crow W. T. , YILMAZ M. T.
WATER RESOURCES RESEARCH, vol.50, no.1, pp.371-385, 2014 (Journal Indexed in SCI)
- XXIII. **Comparison of prognostic and diagnostic surface flux modeling approaches over the Nile River basin**
YILMAZ M. T. , Anderson M. C. , Zaitchik B., Hain C. R. , Crow W. T. , Ozdogan M., Chun J. A. , Evans J.
WATER RESOURCES RESEARCH, vol.50, no.1, pp.386-408, 2014 (Journal Indexed in SCI)
- XXIV. **The optimality of potential rescaling approaches in land data assimilation**
Tugrul Yilmaz M. T. , Crow W. T.
Journal of Hydrometeorology, vol.14, no.2, pp.650-660, 2013 (Journal Indexed in SCI)
- XXV. **An objective methodology for merging satellite- and model-based soil moisture products**
Yilmaz M. T. , Crow W., Anderson M., Hain C.
Water Resources Research, vol.48, no.11, 2012 (Journal Indexed in SCI)
- XXVI. **Towards an integrated soil moisture drought monitor for East Africa**
Anderson W., Zaitchik B., Hain C., Anderson M., Yilmaz M. T. , Mecikalski J., Schultz L.
Hydrology and Earth System Sciences, vol.16, no.8, pp.2893-2913, 2012 (Journal Indexed in SCI)

- XXVII. **Reducing water imbalance in land data assimilation: Ensemble filtering without perturbed observations**
Yilmaz M. T. , Delsole T., Yilmaz M. T.
Journal of Hydrometeorology, vol.13, no.1, pp.413-420, 2012 (Journal Indexed in SCI)
- XXVIII. **The impact of land surface temperature on soil moisture anomaly detection from passive microwave observations**
Parinussa R., Holmes T., Yilmaz M. T. , Crow W.
Hydrology and Earth System Sciences, vol.15, no.10, pp.3135-3151, 2011 (Journal Indexed in SCI)
- XXIX. **Improving land data assimilation performance with a water budget constraint**
Yilmaz M. T. , Delsole T., Houser P. R.
Journal of Hydrometeorology, vol.12, no.5, pp.1040-1055, 2011 (Journal Indexed in SCI)
- XXX. **Comparison of vegetation water contents derived from shortwave-infrared and passive-microwave sensors over central Iowa**
Hunt E. R. , Li L., Yilmaz M. T. , Jackson T. J.
Remote Sensing of Environment, vol.115, no.9, pp.2376-2383, 2011 (Journal Indexed in SCI)
- XXXI. **Predictability of seasonal precipitation using joint probabilities**
Yilmaz M. T. , DelSole T.
Journal of Hydrometeorology, vol.11, no.2, pp.533-541, 2010 (Journal Indexed in SCI)
- XXXII. **Optimally merging precipitation to minimize land surface modeling errors**
Tugrul Yilmaz M. T. , Houser P., Shrestha R., Anantharaj V. G.
Journal of Applied Meteorology and Climatology, vol.49, no.3, pp.415-423, 2010 (Journal Indexed in SCI)
- XXXIII. **Remote sensing of vegetation water content from equivalent water thickness using satellite imagery**
Yilmaz M. T. , Hunt Jr. E. R. , Jackson T. J.
Remote Sensing of Environment, vol.112, no.5, pp.2514-2522, 2008 (Journal Indexed in SCI)
- XXXIV. **Vegetation water content during SMEX04 from ground data and Landsat 5 Thematic Mapper imagery**
Yilmaz M. T. , Hunt Jr. E. R. , Goins L. D. , Ustin S. L. , Vanderbilt V. C. , Jackson T. J.
Remote Sensing of Environment, vol.112, no.2, pp.350-362, 2008 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Türkiye deki 2000 2015 yılları arasındaki evapotranspirasyonun Noah hidrolojik modeli ile incelenmesi**
YILMAZ M. T. , Bulut B.
Dicle Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.7, pp.225-236, 2016 (Other Refereed National Journals)
- II. **Üçlü Eşleştirme Yöntemi ile Uydu ve Hidrolojik Model Kaynaklı Toprak Nemi Değerlerinin Hata Oranlarının Bulunması**
YILMAZ M. T.
Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.31, pp.231-240, 2016 (Other Refereed National Journals)
- III. **Enhancing model-based land surface temperature estimates using multiplatform microwave observations**
Holmes T. R. H. , Crow W. T. , Yilmaz M. T. , Jackson T. J. , Basara J. B.
Journal of Geophysical Research Atmospheres, vol.118, no.2, pp.577-591, 2013 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluation of the performance of WRF model in extreme precipitation estimation concerning the**

changing model configuration and the spatial and temporal variations

Duzenli E., Pilatin H., YÜCEL İ., Kılıçarslan B., YILMAZ M. T.

EGU General Assembly 2020, 4 - 08 May 2020

- II. **Production of a High-Resolution Improved Radar Precipitation Estimation Map Using Gauge Adjustment Bias Correction Methods**
Yousefi K. P. , YILMAZ M. T. , Ozturk K., YÜCEL İ., YILMAZ K. K.
EGU General Assembly 2020, 4 - 08 May 2020
- III. **Evaluation of a Hydro-Meteorological Model System for Flood Forecasting of a Mediterranean Basin in Turkey**
Kılıçarslan B., Duzenli E., Pilatin H., YÜCEL İ., YILMAZ M. T.
EGU General Assembly 2020, 4 - 08 May 2020
- IV. **Estimation of Wheat Yield using Remotely Sensed and Modeled Data over Turkey**
bulut b., YILMAZ M. T. , Afshar M.
EGU General Assembly 2020, 4 - 08 May 2020
- V. **Evaluation of gauge adjustment methods in improving radar precipitation estimation quality over Antalya radar in Turkey.**
Yousufi K. P. , YILMAZ M. T. , Ozturk K., YÜCEL İ., YILMAZ K. K.
IV. Meteorolojik Uzaktan Algılama Sempozyumu, Turkey, 11 - 15 November 2019
- VI. **Validation of TMPA and ECMWF Precipitation Estimates Using Gauge Based Observations over West Azarbayjan province of Iran**
Afshar M., amjad m., bulut b., Duzenli E., Yousufi K. P. , YILMAZ M. T.
The 1st International and 4th National Congress on Iranian Irrigation and Drainage, 13 - 14 November 2019
- VII. **TMPA VE ECMWF yağış verilerinin yer gözlem verileriyle doğrulanması**
amjad m., Duzenli E., Afshar M., bulut b., Senocak A. U. G. , YILMAZ K. K. , YILMAZ M. T. , YÜCEL İ.
10. Ulusal Hidroloji Kongresi., Turkey, 9 - 12 October 2019
- VIII. **İklim Değişikliğinin Kuzey Ege Havzası Su Potansiyeline Olan Etkisinin Araştırılması**
YILMAZ M. T. , bulut b., Afshar M., YÜCEL İ., Aras M., Ozaltın A. M. , Dogan N., Barkis N., Tanir T., Ozcam B.
10. Ulusal Hidroloji Kongresi, Turkey, 9 - 12 October 2019
- IX. **Mahsul Büyüme Durumunun İzlenmesi İçin Iha Görüntülerinden Elde Edilen Farklı Bitki Örtüsü İndekslerinin Değerlendirilmesi**
Feizolahpour F., Afshar M., Duzenli E., Besharat S., YILMAZ M. T.
X. Türkiye Ulusal Fotogrametri ve Uzaktan Algılama Birliği (TUFUAB) Teknik Sempozyumu, Turkey, 25 - 27 April 2019
- X. **The Evaluation of Remotely-Sensed and Model-Based Soil Moisture Products According to Different Soil Type, Vegetation Cover and Climate Regime Using Station-Based Observations over Turkey**
bulut b., Afshar M., YILMAZ M. T.
EGU General Assembly 2019, 7 - 12 April 2019
- XI. **Uncertainty Assessment of Satellite- and Model-based Precipitation Products over Complex Terrain of Turkey**
amjad m., YILMAZ M. T. , YÜCEL İ., YILMAZ K. K.
EGU General Assembly 2019, 7 - 12 April 2019
- XII. **Linear and Nonlinear Responses of Turkish Extreme Rainfall Oscillations to Large-Scale Atmospheric Circulations**
Duzenli E., tabari H., willems p., YILMAZ M. T.
EGU General Assembly 2019, 7 - 12 April 2019
- XIII. **Comparison of rescaling techniques in the framework of merging soil moisture time series**
Afshar M., bulut b., YILMAZ M. T.
ESA CCI Soil Moisture user workshop, 15 November 2018
- XIV. **Validation of Remote Sensing- and Model-Based Soil Moisture Products Using Station-Based Observations Over Turkey**
bulut b., Afshar M., YILMAZ M. T.

ESA CCI Soil Moisture user workshop, 15 November 2018 - 15 November 2019

- XV. **ANALYSIS OF TERRESTRIAL WATER STORAGE CHANGE USING GRACE-BASED OBSERVATIONS OVER EUPHRATES-TIGRIS BASIN**
YILMAZ M. T. , Karasu İ. , YILMAZ K. K. , Tüfekçi Avşar N. , Selek B. , Aras M. , Özaltın A. M. , Duygu M. B. , Kirmencioğlu B.
Türkiye Ulusal Jeodezi ve Jeofizik Birliği Bilimsel Kongresi, İzmir, Turkey, 30 May - 02 June 2018, pp.47-50
- XVI. **Inter-comparison and Accuracy Assessment of Satellite and Model Precipitation Products**
amjad m. , YILMAZ M. T. , YÜCEL İ. , YILMAZ K. K.
EGU General Assembly 2018. , 8 - 13 April 2018
- XVII. **Evaluation of Relations among Drought Indices and Remotely Sensed Soil**
bulut b. , Afshar M. , YILMAZ M. T.
EGU General Assembly 2018, 8 - 13 April 2018
- XVIII. **Assessing Drought Using Cordex Ensemble Climate Models In Mediterranean Climate Region Of Turkey**
poyraz a. , YÜCEL İ. , aziz r. , YILMAZ M. T.
European Geophysical Union Congress (EGU) 2018, 8 - 13 April 2018
- XIX. **Assessment of Environmental Flows under Human Intervention and Climate Change Conditions in a Mediterranean Watershed**
YILMAZ M. T. , ALP E. , Aras M. , Özaltın A. M. , Sarıcan Y. , Afshar M. , Bulut B. , Ersoy E. N. , Karasu İ. G. , Önen A.
AGU Fall Meeting 2017, 11 - 15 December 2017
- XX. **Evaluation of Satellite and Model Precipitation Products Over Turkey**
amjad m. , YILMAZ M. T.
American Geophysical Union Fall Meeting, 11 - 15 December 2017
- XXI. **Assessment of Environmental Flows under Human Intervention and Climate Change Conditions in a Mediterranean Watershed**
YILMAZ M. T. , alp e. , aras m. , özaltın a. m. , sarıcan y. , Afshar M. , bulut b. , ersoy n. e. , karasu g. i. , onen a.
American Geophysical Union Fall Meeting, 11 - 15 December 2017
- XXII. **The Added Utility of Hydrological Model and Satellite Based Datasets in Agricultural Drought Analysis over Turkey**
bulut b. , Afshar M. , YILMAZ M. T.
American Geophysical Union Fall Meeting, 11 - 15 December 2017
- XXIII. **TRMM VE GPM UZAKTAN ALGILAMA VE ECMWF NUMERİK MODEL KAYNAKLI YAĞIŞ VERİLERİNİN DOĞRULANMASI**
YILMAZ M. T. , amjad m. , YÜCEL İ. , bulut b.
UZALMET III. Meteorolojik Uzaktan Algılama Sempozyumu, Turkey, 16 - 19 October 2017
- XXIV. **Establishing a Critical Zone Observatory site in Turkey**
DEMİR G. , AKYÜREK S. Z. , BİNLEY A. , YÜCEL İ. , KENTEL ERDOĞAN E. , MERZİ N. , YILMAZ M. T. , YANMAZ A. M.
European Geosciences Union General Assembly 2017, 23 - 28 April 2017
- XXV. **Investigation of the impact of the nonlinear relations among soil moisture products over data fusion process**
Afshar M. , bulut b. , YILMAZ M. T.
EGU General Assembly 2017, 23 - 28 April 2017
- XXVI. **Analysis of Agricultural Drought Using NOAA Root Zone Soil Moisture Estimates and MODIS Based NDVI Values over Turkey**
bulut b. , Afshar M. , YILMAZ M. T.
EGU General Assembly 2017, 23 - 28 April 2017
- XXVII. **Effect of Temporal Downscaling of Wind Data on Hindcasting Extreme Wave Events and Wind Power Density Studies over the Black Sea**
BAYKAL C. , GÜLER H. G. , ÖZYURT G. , ak g. h. , kirezci ç. , YILMAZ M. T.
American Geophysical Union Fall Meeting 2016, 12 - 16 December 2016
- XXVIII. **Evaluation of GRACE based groundwater storage change information at Konya Closed Basin Turkey**

using remote sensing and in situ measurements

YILMAZ K. K. , Saber M., YILMAZ M. T.

American Geophysical Union Fall Meeting 2016, 12 - 16 December 2016

- XXIX. **Effect Of Temporal Downscaling Methods of Long Term Wind Data on The Design Wave Parameters in the Black Sea**
ÖZYURT G., BAYKAL C., GÜLER H. G. , YILMAZ M. T. , AK H.
35TH International Conference on Coastal Engineering, 17 - 20 November 2016
- XXX. **Estimation of Radar Based High Resolution Precipitation Product over Turkey**
YILMAZ M. T. , Öztürk K., YÜCEL İ., YILMAZ K. K.
The 9th European Conference on Radar in Meteorology and Hydrology, 10 - 14 October 2016
- XXXI. **Evaluating the utility obtained by using radar based precipitation for prediction of flood events in western Black Sea basins of Turkey**
YÜCEL İ., önen a., YILMAZ M. T. , erdem e.
The 9th European Conference on Radar in Meteorology and Hydrology, 10 - 14 October 2016
- XXXII. **Evaluation of Groundwater Storage changes at Konya Closed Basin Turkey using GRACE based and in situ measurements**
YILMAZ K. K. , saber m., YILMAZ M. T.
EGU General Assembly 2016, 17 - 22 April 2016
- XXXIII. **Analysis of long term trends of precipitation estimates acquired using radar network in Turkey**
YILMAZ M. T. , YÜCEL İ., YILMAZ K. K.
EGU General Assembly 2016, 17 - 22 April 2016
- XXXIV. **Investigation of the relation between the return periods of major drought characteristics using copula functions**
afsar m. h. , ŞORMAN A. Ü. , YILMAZ M. T.
EGU General Assembly 2016, 17 - 22 April 2016
- XXXV. **Inter comparison and accuracy assessment of TRMM 3B42 products over Turkey**
amjad m., YILMAZ M. T.
EGU General Assembly 2016, 17 - 22 April 2016
- XXXVI. **Initial assessment of in situ based soil moisture observations over Turkey**
bulut b., cosh m., mladenova i., YILMAZ M. T.
EGU General Assembly 2016, 17 - 22 April 2016
- XXXVII. **Assessment of linear and nonlinear Techniques in soil moisture time series rescaling**
mehdi husami a., YILMAZ M. T.
EGU General Assembly 2016, 17 - 22 April 2016
- XXXVIII. **The Added Utility Of Nonlinear Techniques In Rescaling Soil Moisture Time Series**
madhi a., YILMAZ M. T.
American Geophysical Union Fall Meeting 2015, 14 - 18 December 2015
- XXXIX. **Accuracy assessment of TRMM 3B42 V6 and V7 products using station data over various topographical regions in Turkey**
muhammad a., YILMAZ M. T.
American Geophysical Union Fall Meeting 2015, 14 - 18 December 2015
- XL. **Quality control of station based soil moisture observations retrieved over Turkey**
bulut b., YILMAZ M. T. , micheal c., iliana m.
American Geophysical Union Fall Meeting 2015, 14 - 18 December 2015
- XLI. **Tropical Rainfall Measuring Mission Uydu Kaynaklı Yağmur Verilerinin Yer Gözlemleri ile Karşılaştırılması**
YILMAZ M. T. , muhammad a., meriç s.
II. Meteorolojik Uzaktan Algılama Sempozyumu, Antalya, 3-5 Kasım 2015, Turkey, 3 - 05 November 2015
- XLII. **Quality control of station based soil moisture observations over Turkey**
YILMAZ M. T. , bulut b., micheal c., iliana m.
EGU General Assembly 2015, 12 - 17 April 2015

- XLIII. **Optimal averaging of soil moisture predictions from ensemble land surface model simulations**
wade c., ChunHsu S., dongryeol r., YILMAZ M. T.
EGU General Assembly 2015, 12 - 17 April 2015, vol.0
- XLIV. **Model accuracy impact through rescaled observations in hydrological data assimilation studies**
YILMAZ M. T. , wade c., dongryeol r.
EGU General Assembly 2015, 12 - 17 April 2015
- XLV. **Diagnosing Neglected Soil Moisture Source Sink Processes via a Thermal Infrared based Two Source Energy Balance Model**
Hain C., Crow W., Anderson M., YILMAZ M. T.
American Geophysical Union Fall Meeting 2014, 15 - 19 December 2014
- XLVI. **Impact of the difference between observation and model seasonality and anomaly components on hydrological data assimilation studies**
YILMAZ M. T. , crow w., ryu d.
American Geophysical Union Fall Meeting 2014, 15 - 19 December 2014
- XLVII. **Türkiye deki Toprak Neminin NOAA Hidrolojik Yeryüzü Modeli İle İncelenmesi**
bulut b., YILMAZ M. T. , SÖNMEZ İ., ŞORMAN A. Ü.
Second International Drought and Desertification Symposium, Konya, 16-18 September 2014, 16 - 18 September 2014
- XLVIII. **Towards continuous remote estimates of flooded area in the Sudd Wetland**
Wilusz D. C. , Zaitchik B., Anderson M. C. , Hain C. R. , YILMAZ M. T.
2014 UCOWR / NIWR/ CUAHSI ANNUAL CONFERENCE, 18 - 20 June 2014
- XLIX. **Gravity Recovery and Climate Experiment**
YILMAZ M. T.
National Hydrology Committee Steering Group Meeting and Workshop, 10 - 11 February 2014
- L. **Data fusion techniques for mapping daily water use and vegetation stress at field scales**
Anderson M. C. , Cammalleri C., Gao F., Wang P., Hain C., YILMAZ M. T. , Kustas W.
94th American Meteorological Society Annual Meeting, 2 - 06 February 2014
- LI. **Satellite based water balance of the Nile River basin a multisensor approach**
Zaitchik B. F. , Anderson M. C. , Ozdogan M., YILMAZ M. T.
American Geophysical Union Fall Meeting 2013, 9 - 13 December 2013
- LII. **Evaluation Of Assumptions In Soil Moisture Triple Collocation Studies**
YILMAZ M. T. , Crow W.
American Geophysical Union Fall Meeting 2013, 9 - 13 December 2013
- LIII. **Application of the Auto Tuned Land Assimilation System ATLAS to ASCAT and SMOS soil moisture retrieval products**
crow w., YILMAZ M. T.
IGARSS 2013, 21 - 26 July 2013
- LIV. **Modellenen ve istasyonlarda ölçülen toprak neminin karşılaştırılması**
YILMAZ M. T. , ŞORMAN A. Ü. , SÖNMEZ İ.
III. TÜRKİYE İKLİM DEĞİŞİKLİĞİ KONGRESİ, TİKDEK (III. Climate Change in Turkey Meeting) 3 - 5 Haziran 2013, İstanbul, Turkey, 3 - 05 June 2013
- LV. **The Optimality of Potential Rescaling Approaches in Land Data Assimilation**
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- LVI. **Monitoring evapotranspiration and water resources with thermal infrared geostationary sensors An intercomparison with model based ET predictions and tower observations**
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- LVII. **Treatment of systematic errors in land data assimilation systems**
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- LVIII. Reducing Water Imbalance in Land Data Assimilation Ensemble Filtering without Perturbed Observations**
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- LXXIV. Precipitation uncertainty How well do we know this critical hydrological variable**
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MODIS Science Team Meeting, 4 - 06 January 2006

Supported Projects

Yücel İ., Yılmaz M. T. , Yılmaz K. K. , TUBITAK Project, Evaluation of coupled atmospheric and hydrologic modeling system for flood events at two different basins , 2018 - 2021

Yücel İ., Yılmaz M. T. , Yılmaz K. K. , TUBITAK Project, ESTIMATION OF HOMOGENEOUS HIGH-RESOLUTION RADAR BASED PRECIPITATION MAP IMPROVED USING STATION BASED OBSERVATIONS OVER TURKEY, 2018 - 2021

Yılmaz M. T. , TUBITAK Project, Fırat Dicle Havzasındaki Yeraltı Suyu Kütlesinin Değişiminin Elde Edilmesi ve Doğrulanması, 2019 - 2020

Yılmaz M. T. , YÜCEL İ., TUBITAK Project, Karmaşık Topografya Üzerine Gerçekleştirilen Model-Tabanlı Kısa Vadeli Yağış Tahminlerinin Değerlendirilmesi, 2019 - 2020

Yılmaz M. T. , Yücel İ., TUBITAK Project, Bütünleştirilmiş Atmosferik Hidrolojik Model Sisteminin Taşkın Olayları için İki Farklı Havzada Değerlendirilmesi, 2016 - 2019

Yılmaz M. T. , FP7 Project, Improving Predictions of Vegetation Condition by Optimally Merging Satellite Remote Sensing

based Soil Moisture Products, 2014 - 2019

Yücel İ., Yılmaz M. T., Yılmaz K. K., Alp E., Technopark, Havza Su Projesi, 2017 - 2018

Yücel İ., Yılmaz M. T., Şimşek O., TUBITAK Project, İstasyonlarda Ölçülen Toprak Nemi Değerlerinin Hidrolojik Model ve Uydu Verileri Yardımıyla Değerlendirilmesi, 2015 - 2018

YILMAZ M. T., H2020 Project, Improving Predictions of Vegetation Condition by Optimally Merging Satellite Remote Sensing-based Soil Moisture Products, 2014 - 2018

YILMAZ M. T., Project Supported by Higher Education Institutions, İSTASYONLARDAN ELDE EDİLEN TOPRAK NEMİ DEĞERLERİNİN KALİBRASYONU, 2015 - 2016

Yılmaz M. T., TUBITAK Project, Uydu Kaynaklı Toprak Nemi Ölçümlerinin Kuraklık Tahminlerine Veri Asimilasyonu ile Katkısının Analizi, 2013 - 2015

Citations

Total Citations (WOS):1150

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Scholarships

Marie Curie FP7 Career Integration Grant, European Commission, 2014 - 2018

NASA Earth and Space Science Fellowship (NESSF) , Other International Organizations, 2009 - 2012

Awards

Yılmaz M. T., Üstün Başarılı Genç Bilim İnsanı , Türkiye Bilimler Akademisi, December 2018

Yılmaz M. T., Genç Araştırmacı Başarı Ödülü, Odtü Geliştirme Vakfı, December 2017

Yılmaz M. T., Genç Araştırmacı Başarı Ödülü, Odtü Geliştirme Vakfı, December 2016

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