

MEHMET CÜNEYD DEMIREL

ASSOC. PROF.

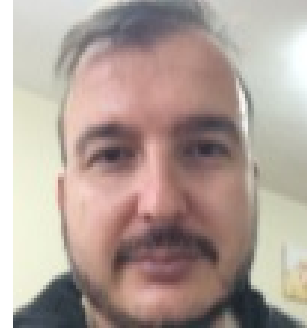
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Maslak İstanbul



Biography

Uncertainty analysis with applications in hydrologic modeling and extreme events

Monte Carlo simulations, watershed hydrology, surface water and groundwater interaction, Ensemble ECMWF products and their effects on short range and seasonal flow forecasts, scales in hydrological processes, spatial calibration of distributed models (e.g. mHM and MIKE-SHE), optimization, source apportionment, circular statistics, time series analysis, conceptual and data-driven models, climate change impacts on extreme events using CMIP5 data.

For more details: <http://space.geus.dk> and <https://publons.com/institution/7809/>

Learning Knowledge

Post Doctorate 2015 - 2017	Geological Survey Of Denmark And Greenland, Department Of Hydrology , Space Project , Denmark
Post Doctorate 2013 - 2015	Portland State University, Maseeh College Of Engineering And Computer Science, Civil And Environmental Engineering , United States Of America
Doctorate 2008 - 2014	Universiteit Twente, Engineering Technology, Water Engineering And Management , Netherlands
Postgraduate 2005 - 2007	Universidad De Cadiz, Erasmus Mundus European Joint Masters, Water And Coastal Management, Spain
Postgraduate 2001 - 2004	İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, Turkey
Undergraduate 1997 - 2001	Selçuk Üniversitesi, Mühendislik Ve Mimarlık Fakültesi, İnşaat Mühendisliği, Turkey

Foreign Languages

Dutch, B1 Intermediate

Danish, A1 Beginner

English, C1 Advanced

Spanish, A1 Beginner

Certificates, Courses and Trainings

Foreign Language, Danish course, Studeskolen.dk , (Level: 3.1), 2016
Education Management and Planning, SENSE PhD Certificate, Research School for Socio-Economic and Natural Sciences of the Environment, Netherlands (sense.nl), 2014
Education Management and Planning, Interview Skills, Universiteit Twente, 2012
Other, Latin Dansları, Rico Latino Enschede, Netherlands, 2012
Other, The Assessment of Uncertainty and Risk in Environmental Sciences, Summer school at University of Bristol, 2011
Foreign Language, Dutch course, Universiteit Twente (Level: NT2 proficiency), 2011
Other, Horse riding, Hippocampus Enschede (www.hippocampus-nl.com/), 2011
Foreign Language, Toastmasters - Public speech, Universiteit Twente, 2011
IT, Environmental Systems Analysis, Summer school at EAWAG Institute, Dubendorf, Switzerland, 2010
Education Management and Planning, Presentation Skills, Universiteit Twente (<https://www.utwente.nl/en/ctd/Phd/>), 2010
Education Management and Planning, Technical Writing, Universiteit Twente (<https://www.utwente.nl/en/ctd/Phd/>), 2010
Other, Şov Tango, İTÜ Dans Kulübü, 2007
IT, Visual Basic .NET - 2373 nolu kurs, İTÜ - BİDB, 2007
Foreign Language, Portuguese course for Erasmus students, Universidade do Algarve, 2005
Foreign Language, Fransızca kursu, İTÜ Yabancı Diller YO (Pascal Montandon), 2003
Education Management and Planning, Fonetik - diksiyon, Devlet Tiyatroları - Konya, 1999

Dissertations

Doctorate, Low flows : mechanisms, forecasts and climate change impacts, doi: 10.3990/1.9789036535656., Universiteit Twente, Engineering Technology, Water Engineering And Management, 2014
Postgraduate, Cluster analysis of streamflow data over Turkey, doi: 10.13140/2.1.3944.2249., İstanbul Teknik Üniversitesi, İnşaat Mühendisliği , Su Mühendisliği , 2004

Academic Titles / Tasks

Associate Professor 2019 - Continues	Istanbul Technical University, İnşaat, İnşaat Mühendisliği
Assistant Professor 2018 - 2019	Istanbul Technical University, İnşaat, İnşaat Mühendisliği
Assistant Professor 2017 - 2018	Istanbul Technical University, İnşaat, İnşaat Mühendisliği
Lecturer PhD 2015 - 2017	Kobenhavns Universitet (University Of Copenhagen), Geological Survey Of Denmark And Greenland, Department Of Hydrology
Lecturer PhD 2013 - 2015	Portland State University, Maseeh College Of Engineering And Computer Science, Civil And Environmental Engineering

Research Assistant
2008 - 2013

Universiteit Twente, Faculty Of Engineering Technology, Department Of Civil
Engineering

Research Assistant
2002 - 2008

Istanbul Technical University, Fen Bilimleri Enstitüsü, Civil engineering

Supported Projects

1. Demirel M. C. , Kahya E., TUBITAK Project, Hidrolojik modellerde farklı belirsizlik kaynaklarının modelin taşkın ve kuraklık benzetim başarımına etkisi, 2018 - 2019
2. Demirel M. C. , EU Supported Other Project, SPATial Calibration and Evaluation in distributed hydrological modeling using satellite remote sensing data (funded by Villum Foundation), 2015 - 2017
3. Demirel M. C. , Other Supported Projects, Climate change impact on the hydrology and water resources of the Columbia River Basin (funded by US Department of Energy and PSU), 2013 - 2015
4. Demirel M. C. , EU Supported Other Project, Seasonal and long-term prediction of low flows in the Rhine basin (funded by dr.ir. Cornelis Lely stichting and Universiteit Twente), 2008 - 2013

Awards

1. Demirel M. C. , Koşucu M. M. , Yılmaz A., Albay E., Kırca V. Ş. Ö. , SU YÖNETİMİ ÖDÜLÜ, Tarım Ve Orman Bakanlığı, March 2019
2. Demirel M. C. , AGU travel grant - San Francisco, GEUS Denmark, December 2016

Scholarships

EU A3 Mundus travel grant - Miami University, Official Institutions of Foreign Countries, 2006 - Continues
Erasmus, European Commission, 2005 - Continues
Birkökler Vakfı Yüksek Lisans Bursu, Foundation, 2002 - 2002

Jury Memberships

Doctorate, Saeed Vazifehkhah, Doktora savunma, July, 2018
Post Graduate, Yüksek lisans savunma, Bilal Sağ, May, 2018
Academic Staff Examination, Yardımcı doçentlik İngilizce Seminer Sınavı, İTÜ İnşaat Fakültesi , January, 2018

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

1. **Hybrid point and interval prediction approaches for drought modeling using ground-based and remote sensing data**
Roushangar K., Ghasempour R., Kırca V. Ş. Ö. , Demirel M. C.
HYDROLOGY RESEARCH, 2021 (Journal Indexed in SCI)
2. **Effect of Using Multi-Year Land Use Land Cover and Monthly LAI Inputs on the Calibration of a Distributed Hydrologic Model**
Olayode Busari I., Demirel M. C. , Newton A.
WATER, vol.13, no.11, 2021 (Journal Indexed in SCI)

3. **Comparison of conventional and differential evolution-based parameter estimation methods on the flood frequency analysis**
YILMAZ M. T. , Tosunoglu F., Demirel M. C.
Acta Geophysica, 2021 (Journal Indexed in SCI)
4. **Water Leakage Reduction in the Water Distribution Network with Real Time Pressure Management**
Koşucu M. M. , Sari O., Demirel M. C. , Kiran S., Yılmaz A., Aybakan A., Albay E., Kirca V. Ş. Ö.
TEKNIK DERGI, vol.32, no.1, pp.10541-10564, 2021 (Journal Indexed in SCI)
5. **Missing Data Imputation for Multisite Rainfall Networks: A Comparison between Geostatistical Interpolation and Pattern-Based Estimation on Different Terrain Types**
Oriani F., Stisen S., Demirel M. C. , Mariethoz G.
JOURNAL OF HYDROMETEOROLOGY, vol.21, pp.2325-2341, 2020 (Journal Indexed in SCI)
6. **Correction: Koşucu, M.M., et al. Hydrodynamic and Hydrographic Modeling of Istanbul Strait. Processes 2019, 7, 710**
Koşucu M. M. , Demirel M. C. , Kirca V. Ş. Ö. , Özger M.
PROCESSES, vol.8, no.2, pp.205, 2020 (Journal Indexed in SCI Expanded)
7. **Selection of multi-model ensemble of general circulation models for the simulation of precipitation and maximum and minimum temperature based on spatial assessment metrics**
Ahmed K., Sachindra D. A. , Shahid S., Demirel M. C. , Chung E.
Hydrology and Earth System Sciences, vol.23, pp.4803-4824, 2019 (Journal Indexed in SCI)
8. **The changing characteristics of groundwater sustainability in Pakistan from 2002 to 2016 巴基斯坦 2002至2016年地下水可持续性变化特征** Caractérisation du changement intervenu dans la durabilité des eaux souterraines au Pakistan entre 2002 et 2016 As características mutáveis da sustentabilidade das águas subterrâneas no Paquistão de 2002 a 2016 Las cambiantes características de la sostenibilidad de las aguas subterráneas en Pakistán desde 2002 a 2016
Ahmed K., Shahid S., Demirel M. C. , Nawaz N., Khan N.
Hydrogeology Journal, vol.27, pp.2485-2496, 2019 (Journal Indexed in SCI)
9. **Hydrodynamic and Hydrographic Modeling of Istanbul Strait**
Koşucu M. M. , Demirel M. C. , Kirca V. Ş. Ö. , Özger M.
PROCESSES, vol.7, 2019 (Journal Indexed in SCI)
10. **Additional Value of Using Satellite-Based Soil Moisture and Two Sources of Groundwater Data for Hydrological Model Calibration**
Demirel M. C. , Ozen A., Orta S., Toker E., Demir H. K. , Ekmekcioğlu Ö., Taysi H., Eruçar S., Sag A. B. , Sari O., et al.
WATER, vol.11, 2019 (Journal Indexed in SCI)
11. **Spatial Pattern Oriented Multicriteria Sensitivity Analysis of a Distributed Hydrologic Model**
Demirel M. C. , KOCH J., MENDİGUREN G., STİSEN S.
WATER, vol.10, no.9, 2018 (Journal Indexed in SCI)
12. **The SPAtial EFFiciency metric (SPAEF): multiple-component evaluation of spatial patterns for optimization of hydrological models**
Koch J., Demirel M. C. , Stisen S.
GEOSCIENTIFIC MODEL DEVELOPMENT, vol.11, pp.1873-1886, 2018 (Journal Indexed in SCI)
13. **Combining satellite data and appropriate objective functions for improved spatial pattern performance of a distributed hydrologic model**
Demirel M. C. , Mai J., Mendiguren G., Koch J., Samaniego L., Stisen S.
HYDROLOGY AND EARTH SYSTEM SCIENCES, vol.22, pp.1299-1315, 2018 (Journal Indexed in SCI)
14. **A comparative assessment of projected meteorological and hydrological droughts: Elucidating the role of temperature**
Ahmadalipour A., Moradkhani H., Demirel M. C.
JOURNAL OF HYDROLOGY, vol.553, pp.785-797, 2017 (Journal Indexed in SCI)
15. **Analysis of dam-induced cyclic patterns on river flow dynamics**
TONGAL H., Demirel M. C. , Moradkhani H.
HYDROLOGICAL SCIENCES JOURNAL-JOURNAL DES SCIENCES HYDROLOGIQUES, vol.62, no.4, pp.626-641, 2017

(Journal Indexed in SCI)

16. **Assessing the impact of CMIP5 climate multi-modeling on estimating the precipitation seasonality and timing**
Demirel M. C. , Moradkhani H.
CLIMATIC CHANGE, vol.135, no.2, pp.357-372, 2016 (Journal Indexed in SCI)
17. **The skill of seasonal ensemble low-flow forecasts in the Moselle River for three different hydrological models**
Demirel M. C. , BOOIJ M. J. , HOEKSTRA A. Y.
HYDROLOGY AND EARTH SYSTEM SCIENCES, vol.19, no.1, pp.275-291, 2015 (Journal Indexed in SCI)
18. **Identification of appropriate lags and temporal resolutions for low flow indicators in the River Rhine to forecast low flows with different lead times**
Demirel M. C. , BOOIJ M. J. , HOEKSTRA A. Y.
HYDROLOGICAL PROCESSES, vol.27, no.19, pp.2742-2758, 2013 (Journal Indexed in SCI)
19. **Effect of different uncertainty sources on the skill of 10 day ensemble low flow forecasts for two hydrological models**
Demirel M. C. , BOOIJ M. J. , HOEKSTRA A. Y.
WATER RESOURCES RESEARCH, vol.49, no.7, pp.4035-4053, 2013 (Journal Indexed in SCI)
20. **Seasonality of low flows and dominant processes in the Rhine River**
TONGAL H., Demirel M. C. , BOOIJ M. J.
STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, vol.27, no.2, pp.489-503, 2013 (Journal Indexed in SCI)
21. **Impacts of climate change on the seasonality of low flows in 134 catchments in the River Rhine basin using an ensemble of bias-corrected regional climate simulations**
Demirel M. C. , BOOIJ M. J. , HOEKSTRA A. Y.
HYDROLOGY AND EARTH SYSTEM SCIENCES, vol.17, no.10, pp.4241-4257, 2013 (Journal Indexed in SCI)
22. **Validation of an ANN Flow Prediction Model Using a Multistation Cluster Analysis**
Demirel M. C. , BOOIJ M. J. , Kahya E.
JOURNAL OF HYDROLOGIC ENGINEERING, vol.17, no.2, pp.262-271, 2012 (Journal Indexed in SCI)
23. **Mapping of groundwater potential zones in the Musi basin using remote sensing data and GIS**
Ganapuram S., KUMAR G. T. V. , KRISHNA I. V. M. , Kahya E., Demirel M. C.
ADVANCES IN ENGINEERING SOFTWARE, vol.40, no.7, pp.506-518, 2009 (Journal Indexed in SCI)
24. **Flow forecast by SWAT model and ANN in Pracana basin, Portugal**
Demirel M. C. , VENANCIO A., Kahya E.
ADVANCES IN ENGINEERING SOFTWARE, vol.40, no.7, pp.467-473, 2009 (Journal Indexed in SCI)

Articles Published in Other Journals

1. **REN NEHRİ'NDEKİ DÜŞÜK DEBİLERİN ÖNCEDEN KESTİRİMİ İÇİN MODEL GELİŞTİRİLMESİ**
Bouwma P., Demirel M. C.
Uludağ University Journal of The Faculty of Engineering, vol.22, pp.139-148, 2017 (Other Refereed National Journals)
2. **MOSELLE NEHRİ'NDEKİ DÜŞÜK DEBİLERİN BENZETİMİ İÇİN ÇOKLU GENETİK PROGRAMLAMA MODELİNİN KALİBRE EDİLMESİ**
DANANDEH MEHR A., DEMİREL M. C.
Uludağ University Journal of The Faculty of Engineering, vol.21, pp.365, 2016 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

1. **Missing data imputation for multisite rainfall networks: a comparison between geostatistical**

interpolation and data-mining estimation on different terrain types

Oriani F., DEMİREL M. C. , Stisen S., Mariethoz G.

EGU General Assembly 2020, Viyana, Austria, 3 - 09 May 2020

2. **Kavramsal Hidrolojik Model Parametrelerinin Sezgiye Dayalı Algoritmalar ile Eniyilenmesi**
BAŞAKIN E. E. , Sağ A. B. , KARTAL E. , Avcuoğlu M. B. , DEMİREL M. C.
3. ULUSLARARASI ÜNİDOKAP KARADENİZ SEMPOZYUMU: Sürdürülebilir Tarım ve Çevre, Tokat, Turkey, 21 - 23 June 2019
3. **A framework for spatial pattern oriented optimization of distributed hydrological models using satellite observations**
Stisen S., Mendiguren G., Koch J., DEMİREL M. C.
EGU General Assembly 2019, 7 - 12 April 2019
4. **Recovering missing rainfall data by resampling the historical dataset: a simple technique to improve the estimation of basin recharge**
Oriani F., Stisen S., DEMİREL M. C. , Mariethoz G.
AGU Fall Meeting 2018, Washington, Kiribati, 10 - 14 December 2018
5. **Recovering missing rainfall data for distributed hydrological model input: can resampling lead to a more realistic hydrological response?**
ORİANI F., STİSEN S., DEMİREL M. C. , MARIETHOZ G.
geoENV2018, Belfast, United Kingdom, 2 - 06 July 2018
6. **Improving a spatial rainfall product using a data-mining approach and its effect on the hydrological response of a meso-scale catchment**
ORİANI F., STİSEN S., DEMİREL M. C.
American Geophysical Union 2017 Fall Meeting, NEW ORLEANS, United States Of America, 11 - 15 December 2017
7. **On the importance of multiple-component evaluation of spatial patterns for optimization of earth system models**
STİSEN S., DEMİREL M. C. , KOCH J.
American Geophysical Union 2017 Fall Meeting, NEW ORLEANS, United States Of America, 11 - 15 December 2017
8. **Calibration of a distributed hydrologic model for six European catchments using remote sensing data**
DEMİREL M. C. , STİSEN S., MENDİGUREN GONZLEZ G., KUMAR R., RAKOVEC O., SAMANİEGO L.
American Geophysical Union 2017 Fall Meeting, NEW ORLEANS, United States Of America, 11 - 15 December 2017
9. **Spatial pattern evaluation as a diagnostic approach to understand distributed hydrological model deficiencies at the catchment scale**
STİSEN S., DEMİREL M. C. , MENDİGUREN G., KOCH J., SAMANİEGO L.
EGU General Assembly 2017, Viyana, Austria, 23 - 28 April 2017
10. **Integrating satellite actual evapotranspiration patterns into distributed model parametrization and evaluation for a mesoscale catchment**
DEMİREL M. C. , MAİ J., STİSEN S., MENDİGUREN G., KOCH J., SAMANİEGO L.
American Geophysical Union 2016 Fall Meeting, San-Francisco, United States Of America, 11 - 16 December 2016
11. **Spatial calibration of distributed hydrologic models**
DEMİREL M. C.
Soft Computing Methods in Water Resources Engineering, Lefkoşa, Cyprus (Kktc), 29 - 30 November 2016
12. **Calibration of a distributed hydrologic model using observed spatial patterns from MODIS data Oral presentation**
DEMİREL M. C. , Gonzalez G. M. , Mai J., Stisen S.
EGU General Assembly 2016, Viyana, Austria, 17 - 22 April 2016
13. **Climate change impacts on the seasonality of low flows for multiple catchments with different discharge regimes**
DEMİREL M. C. , Booij M. J.
26th IUGG General Assembly, Prag, Czech Republic, 22 June - 02 July 2015
14. **Characterizing and reducing uncertainties in hydrologic projection of Columbia River Basin using**

objective multiple climate and hydrologic models

AHMADALIPOUR A., Moradkhani H., DEMİREL M. C.

26th IUGG General Assembly, Prag, Czech Republic, 22 June - 02 July 2015

15. **Sensitivity of Columbia Basin Runoff to Long Term Changes in Multi Model CMIP5 Precipitation Simulations**
DEMİREL M. C. , Rana A., Moradkhani H.
American Geophysical Union 2014 Fall Meeting, San-Francisco, United States Of America, 13 - 15 December 2014
16. **Impacts of climate change on the seasonality of extremes in the Columbia River Basin**
DEMİREL M. C. , Rana A., Moradkhani H.
American Geophysical Union 2014 Fall Meeting, San-Francisco, United States Of America, 13 - 15 December 2014
17. **The effect of multi model averaging of climate model outputs on the seasonality of rainfall over the Columbia River Basin**
DEMİREL M. C. , Rana A., Moradkhani H.
5th Annual Pacific Northwest Climate Science Conference, Seattle, WA, United States Of America, 18 - 20 September 2014
18. **Low flow forecasting with a lead time of 14 days for navigation and energy supply in the Rhine River**
DEMİREL M. C. , Rana A., Moradkhani H.
EGU General Assembly 2011, Vienna, Austria, 6 - 08 April 2011
19. **Uncertainty analysis of a low flow model for the Rhine River**
DEMİREL M. C. , Rana A., Moradkhani H.
EGU General Assembly 2011, Vienna, Austria, 6 - 08 April 2011
20. **Identification of appropriate temporal scales of dominant low flow indicators in the Main River Germany**
DEMİREL M. C. , BOOIJ M. J.
Sixth World FRIEND Conference, FEZ, Morocco, 25 - 29 October 2010, vol.340, pp.538-543
21. **Identification of an appropriate low flow forecast model for the Meuse River**
DEMİREL M. C. , BOOIJ M. J.
Joint IAHS & IAH Convention, Hyderabad, India, 6 - 12 September 2009, vol.331, pp.296-303
22. **Wavelets Transform Applied to Hydrological Time Series**
DEMİREL M. C. , RİVERA D., LILLO M., ARUMI Y. J.
8th International Conference on Hydroinformatics, Concepcion, Chile, 12 - 16 January 2009
23. **Impact of waste water discharges in Ria Formosa Coastal Lagoon Portugal**
DEMİREL M. C. , KAHYA E.
Proceedings of the MWWD 2008 – 5th International Conference on Marine Waste Water Discharges and Coastal Environment, Dubrovnik (Cavtat), Croatia, 27 - 31 October 2008
24. **Seasonal and long term prediction of low flows in the Rhine Basin**
DEMİREL M. C. , Rana A., Moradkhani H.
Proceedings NCR-days 2008, Dalfsen, Netherlands, 16 - 18 October 2008
25. **Türkiye verilerinin genel hidroklimatolojik davranışları: İklim değişikliği nabzının teşhisi**
KAHYA E., KALAYCI S., KARABÖRK M. Ç. , MARTI A. İ. , DEMİREL M. C. , PARTAL T.
Global Climate Change and Its Environmental Impacts:Regional and Local Dimensions, Konya, Turkey, 18 - 20 October 2007
26. **ERASMUS MUNDUS SCHOLAR S PERSPECTIVE ON WATER AND COASTAL MANAGEMENT EDUCATION IN EUROPE Oral presentation**
DEMİREL M. C. , Rana A., Moradkhani H.
INTERNATIONAL CONGRESS ON RIVER BASIN MANAGEMENT, Antalya, Turkey, 8 - 10 February 2007
27. **Hydrological determination of hierarchical clustering scheme by using small experimental matrix**
DEMİREL M. C. , KAHYA E.
27th AGU Hydrology Days, FORT COLLINS, United States Of America, 1 - 05 January 2007
28. **Spatial grouping of annual streamflow patterns in Turkey**

- DEMİREL M. C. , KAHYA E., Piechota T. C.
27th AGU Hydrology Days, FORT COLLINS, United States Of America, 1 - 05 January 2007
29. **Performing k means analysis to drought principal components of Turkish rivers**
DEMİREL M. C. , ARTHUR M., KAHYA E.
27th AGU Hydrology Days, FORT COLLINS, United States Of America, 1 - 05 January 2007, pp.145-151
30. **Implementation of Web Mapping Tools for Monitoring Water Quality in Ria Formosa Coastal Lagoon using UMN MapServer**
DEMİREL M. C. , RANA A., Moradkhani H.
40 th CMOS CONGRESS, Weather, Oceans Climate, Exploring the Connections, Toronto, Canada, 9 - 11 November 2006
31. **A comparison of low flow clustering methods streamflow grouping**
DEMİREL M. C. , KAHYA E.
European Geosciences Union 2006 Meeting, Vienna, Austria, 2 - 07 April 2006
32. **Determination of Rainfall Time Distributions of Turkey by Using Cluster Analysis Abstract Oral Presentation**
GÜNEL M. S. , DEMİREL M. C. , KUCUK M., AGİRALIOĞLU N.
5th Annual Meeting of the European Meteorological Society (EMS), Utrecht, Netherlands, 12 - 16 September 2005
33. **Türkiye Yağış ve Akım Verilerinin Kume Analizi Yöntemi ile Sınıflandırılması.**
DEMİREL M. C. , KAHYA E., KARACA M., KINDAP T.
II. Ulusal Su Mühendisliği Sempozyumu, DSI Gumuldur, İzmir, Turkey, 1 - 05 August 2005
34. **Türkiye Genelindeki Mevsimlik Akım Verilerinin Kume Analizi ile Bölgelere Ayrılması**
DEMİREL M. C. , KAHYA E., Karaçuha G.
I. Ulusal Barajlar ve Hidroelektrik Santraller Sempozyumu, DSI Genel Mudurluğu, , 2004., Ankara, Turkey, 1 - 03 August 2004

Other Publications

1. **Discussion of “Hydrologic Regionalization of Watersheds in Turkey” by Sabahattin Isik and Vijay P. Singh**
Demirel M. C. , Kahya E., Rivera D.
Other, pp.767-768, 2009
2. **Discussion of Clustering on Dissimilarity Representations for Detecting Mislabeled Seismic Signals at Nevado Del Ruiz Volcano by Mauricio Orozco Alzate and César Germán Castellanos Domínguez**
Demirel M. C. , Kahya E., Rivera D.
Other, pp.265-268, 2008

Academic and Administrative Experience

	Rektörlük Akademik	
2020 - Continues	Teşvik Değerlendirme Komisyonu Üyesi	Istanbul Technical University, İnşaat, İnşaat Mühendisliği

Courses

- Hydrologic Modeling, Undergraduate, 2020 - 2021
Calibration of Land Surface Models, Doctorate, 2018 - 2019
Su temini ve Çevre Sağlığı I, Undergraduate, 2018 - 2019
Water Supply and Environmental Sanitation, Undergraduate, 2018 - 2019

Hydrologic Modeling With Remote Sensing, Postgraduate, 2018 - 2019

Hydrology, Undergraduate, 2017 - 2018

Hidroloji, Undergraduate, 2017 - 2018

Activities in Scientific Journals

Water (Special Issue on Remote Sensing and Hydrologic Modeling), Special Issue Editor, 2018 - Continues

Larhyss Journal ISSN 1112-3680, Committee Member, 2015 - Continues

Stochastic Environmental Research and Risk Assessment - Springer, Assistant Editor, 2015 - Continues

Memberships / Tasks in Scientific Organizations

American Geophysical Union, Member, 2014 - Continues

International Organisation for Hydrological Sciences, Member, 2008 - Continues

European Geosciences Union, Member, 2007 - Continues

İnşaat Mühendisleri Odası, Member, 2001 - Continues

Scientific Refereeing

Remote Sensing, SCI Journal, November 2018

Scientific Reports (Nature), SCI Journal, November 2018

Remote Sensing, SCI Journal, November 2018

Larhyss Journal, Other Indexed Journal, November 2018

Remote Sensing, SCI Journal, November 2018

Remote Sensing, SCI Journal, November 2018

Teknik Dergi, SCI Journal, November 2018

Sustainability, SCI Journal, October 2018

Hydrological Processes, SCI Journal, October 2018

Journal of Hydrology: Regional Studies, SCI Journal, October 2018

Larhyss Journal, Other Indexed Journal, October 2018

Atmospheric Research, SCI Journal, July 2018

Sigma Journal of Engineering and Natural Sciences, SCI Journal, July 2018

Agricultural Water Management, SCI Journal, July 2018

Arabian Journal for Science and Engineering, SCI Journal, June 2018

Water, SCI Journal, May 2018

Water, SCI Journal, May 2018

Sustainability, SCI Journal, May 2018

Journal of Hydrologic Engineering, SCI Journal, April 2018

Sustainability, SCI Journal, April 2018

Journal of Hydrology, SCI Journal, April 2018

Arabian Journal for Science and Engineering, SCI Journal, April 2018

Acta Geophysica, SCI Journal, March 2018

Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, National Scientific Refreed Journal, March 2018

International Journal of Research in Environmental Studies, Other Indexed Journal, March 2018

Journal of Hydroinformatics, SCI Journal, February 2018

Journal of Hydrology, SCI Journal, January 2018

Water Resources Research, SCI Journal, June 2017

Hydrology and Earth System Sciences, SCI Journal, May 2017

Journal of Hydrology, SCI Journal, May 2017
Climate Research, SCI Journal, May 2017
Hydrology and Earth System Sciences, SCI Journal, April 2017
Hydrology Research, SCI Journal, March 2017
Journal of Hydrology, SCI Journal, March 2017
Hydrology and Earth System Sciences, SCI Journal, February 2017
Hydrology and Earth System Sciences, SCI Journal, February 2017
Journal of Hydrology, SCI Journal, January 2017
Journal of Hydrology, SCI Journal, January 2017
Atmosphere, SCI Journal, November 2016
Journal of Hydrology , SCI Journal, November 2016
Journal of Hydrologic Engineering, SCI Journal, August 2016
Remote Sensing, SCI Journal, June 2016
Journal of Hydrologic Engineering, SCI Journal, May 2016
Journal of Hydrology , SCI Journal, May 2016
Natural Hazards, SCI Journal, September 2015
Journal of Water Reuse and Desalination, SCI Journal, June 2015
Climate Dynamics, SCI Journal, December 2014
EOS, Other Indexed Journal, December 2014
Climate Dynamics , SCI Journal, October 2014
Water Resources Research , SCI Journal, August 2014
Hydrology and Earth System Sciences, SCI Journal, January 2014
Journal of Hydrologic Engineering, SCI Journal, January 2014
Journal of Hydrologic Engineering, SCI Journal, October 2013
Hydrological Processes, SCI Journal, October 2012
Journal of Hydrology , SCI Journal, August 2012
Arabian Journal for Science and Engineering, SCI Journal, June 2012
Arabian Journal for Science and Engineering, SCI Journal, June 2012
Arabian Journal for Science and Engineering, SCI Journal, February 2012
Advances in Engineering Software, SCI Journal, October 2011
Physics and Chemistry of the Earth, SCI Journal, July 2011
Advances in Engineering Software, SCI Journal, May 2011
Arabian Journal for Science and Engineering, SCI Journal, April 2011
Hydrological Sciences Journal, SCI Journal, April 2011
Journal of Hydrology, SCI Journal, March 2011
Journal of Hydrology, SCI Journal, December 2010
Journal of Hydrology, SCI Journal, November 2010
Journal of Hydrology, SCI Journal, October 2010
Journal of Hydrology, SCI Journal, June 2010
Journal of Hydrology, SCI Journal, November 2009
Journal of Hydrology, SCI Journal, October 2009
Journal of Hydrology, SCI Journal, June 2009
Journal of Hydrology, SCI Journal, May 2009
Environmental Technology, SCI Journal, April 2009
Journal of Hydroinformatics, SCI Journal, April 2009

Scientific Research / Working Group Memberships

SPACE Project team, Kobenhavns Universitet (University of Copenhagen), Denmark, <http://space.geus.dk/>, 2015 -
Continues

Edit Congress and Symposium Activities

AGU Fall Meeting, San Francisco - 2016, Attendee, California, United States Of America, 2016
Soft Computing Methods in Water Resources Engineering, Invited Speaker, Gazimagusa, Cyprus (Kkct), 2016
EGU Assembly 2016, Vienna, Austria, Attendee, Wien, Austria, 2016
AGU Fall Meeting, San Francisco - 2014, Attendee, California, United States Of America, 2014
EGU Assembly 2011, Vienna, Austria, Attendee, Vienna, Austria, 2011
Sixth World FRIEND Conference, Fez, Morocco, October 2010, Attendee, Fâs, Morocco, 2010
Joint IAHS & IAH Convention, Hyderabad, India, September 2009, Attendee, Haidarabad, India, 2009
7th General Assembly, EMS - European Meteorological Society, 11 September 2005, Utrecht, The Netherlands, Attendee, Utrecht, Netherlands, 2005

Citations

Total Citations (WOS):451
h-index (WOS):11

Research Areas

Civil Engineering, Hydraulic, Surface Water Engineering, Hydrology, Engineering and Technology