

# Prof. SERHAT KÜÇÜKALİ

## Personal Information

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## International Researcher IDs

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## Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2003 - 2006

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2001 - 2003

Undergraduate, Yildiz Technical University, Faculty Of Civil Engineering, Civil Engineering Department, Turkey 1997 - 2001

## Dissertations

Post Doctorate, TURBULENCE IN HYDRAULIC JUMPS: EXPERIMENTAL MEASUREMENTS, University of Queensland, Faculty of Engineering, Division of Civil Engineering, 2007

Doctorate, Hidrolik Sıçramanın Havalandırma Verimliliğinin İncelenmesi, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kıyı Bilimleri ve Mühendisliği, 2006

Postgraduate, Açık Kanallarda Oksijen Transferi, Istanbul Technical University, Fen Bilimleri Enstitüsü, Su Mühendisliği, 2003

## Research Areas

Hydraulic Structures, Open Channel Flow, Hydromechanics, Fluid Mechanics, Alternative Energy Resources

## Academic Titles / Tasks

Professor, Hacettepe University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2019 - Continues

Professor, Cankaya University, Faculty Of Engineering, Department Of Civil Engineering, 2015 - 2019

Associate Professor, Cankaya University, Faculty Of Engineering, Department Of Civil Engineering, 2011 - 2015

Associate Professor, Universitaet Kassel, Mühendislik, İnşaat, 2014 - 2014

Assistant Professor, Zonguldak Bülent Ecevit University, Faculty Of Engineering, 2007 - 2010

Research Assistant PhD, Mühendislik, İnşaat, 2006 - 2006

Research Assistant, Istanbul Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, 2003 - 2006

## Academic and Administrative Experience

Head of Department, Hacettepe University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2019 - Continues

## Courses

Sediment Transport and Scour, Undergraduate, 2021 - 2022  
Turbulence in Open Channel Flows, Doctorate, 2021 - 2022  
Hidrolik, Undergraduate, 2019 - 2020  
Hidrolik Yapıların Tasarımı, Undergraduate, 2020 - 2021  
Akışkanlar Mekaniği, Undergraduate, 2020 - 2021  
Akışkanlar Mekaniği II, Undergraduate, 2019 - 2020  
Hidroloji ve Su Kaynakları Mühendisliği, Undergraduate, 2019 - 2020

## Advising Theses

Küçükali S., Maraş H., Finding the Most Suitable Irrigation Dams for Hydropower Development by Using GIS Tools, Postgraduate, O.Bayat(Student), 2020  
Küçükali S., Alp A., Teknik tip balık geçitlerinin performanslarının biyolojik ve hidrolik açıdan incelenmesi, Postgraduate, O.Bülbül(Student), 2019  
Küçükali S., İşletmedeki hidroelektrik santrallerde kaza risklerinin değerlendirilmesinde Finne Kinney ve İSO 31000 yöntemlerinin uygulanması, Postgraduate, F.Baysan(Student), 2019  
Küçükali S., Töreyin B. U., VIDEO ANALYSIS BASED FISH DETECTION AND TAIL BEAT FREQUENCY ESTIMATION IN FISHWAYS, Postgraduate, Y.Yıldırım(Student), 2018  
Küçükali S., Ar İ., ATIKSU ARITMA TESİSLERİNDE BİYOGAZ VE HİDROELEKTRİK ENERJİDEN ELEKTRİK ÜRETİMİ, Postgraduate, A.Günel(Student), 2017  
Küçükali S., Ar İ., KÖMÜRLE ÇALIŞAN TERMİK SANTRALLER İÇİN ÇEVRESEL ETKİ İNDEKSİNİN GELİŞTİRİLMESİ, Doctorate, A.Bartan(Student), 2017  
Küçükali S., İçme suyu Arıtma Tesislerinde Hidroelektrik Potansiyelin Değerlendirmesinin İncelenmesi, Postgraduate, A.Uludağ(Student), 2012  
Küçükali S., NEHİR TİPİ HİDROELEKTRİK SANTRALLERDE BULANIK MANTIK YÖNTEMİYLE RİSK DEĞERLENDİRİLMESİ, Postgraduate, C.Kutlu(Student), 2012  
Küçükali S., POMPA DEPOLAMALI HİDROELEKTRİK SANTRALLER: BATI KARADENİZ'DE ÖRNEK BİR ÇALIŞMA, Postgraduate, Ç.Bülent(Student), 2012

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Retrofitting Vertical Slot Fish Pass with Brush Blocks: Hydraulics Performance**  
Küçükali S.  
WATER (SWITZERLAND), vol.15, no.6, pp.1-20, 2023 (SCI-Expanded)
- II. **An integrated environmental risk assessment framework for coal-fired power plants: A fuzzy logic approach**  
Bartan A., KÜÇÜKALİ S., AR İ., BARIŞ K.  
RISK ANALYSIS, vol.43, no.3, pp.530-547, 2023 (SCI-Expanded)
- III. **Hydrodynamic Characteristics of Diagonal Brush Fish Pass: Prototype Measurements**  
KÜÇÜKALİ S., VEREP B., Albayrak I.  
Water (Switzerland), vol.15, no.1, 2023 (SCI-Expanded)
- IV. **Finding the most suitable existing irrigation dams for small hydropower development in Turkey: A GIS-Fuzzy logic tool**  
KÜÇÜKALİ S., Al Bayat O., MARAŞ H. H.  
RENEWABLE ENERGY, vol.172, pp.633-650, 2021 (SCI-Expanded)
- V. **Ecological impact scorecard of small hydropower plants in operation: An integrated approach**  
Alp A., Akyüz A., KÜÇÜKALİ S.

Renewable Energy, vol.162, pp.1605-1617, 2020 (SCI-Expanded)

- VI. **An analysis on the relationship between safety awareness and safety behaviors of healthcare professionals, Ankara/Turkey**  
Uzuntarla F., KÜÇÜKALİ S., Uzuntarla Y.  
JOURNAL OF OCCUPATIONAL HEALTH, vol.62, no.1, 2020 (SCI-Expanded)
- VII. **An experimental investigation of flow resistance and turbulent flow in brush fish pass**  
Küçükali S.  
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-WATER MANAGEMENT, vol.172, no.5, pp.241-256, 2019 (SCI-Expanded)
- VIII. **Flow structure and fish passage performance of a brush-type fish way: A field study in the İyidere River, Turkey**  
Kucukali S., Verep B., Alp A., Turan D., Mutlu T., Kaya C., Yildirim Y., Töreyn B. U., Özelçi D.  
Marine and Freshwater Research, 2019 (SCI-Expanded)
- IX. **Flow and turbulence structure in a baffle-brush fish pass**  
Kucukali S., Hassinger R.  
Proceedings of the Institution of Civil Engineers: Water Management, vol.171, no.1, pp.6-17, 2018 (SCI-Expanded)
- X. **A fuzzy logic tool to evaluate low-head hydropower technologies at the outlet of wastewater treatment plants**  
Ak M., Kentel E., Kucukali S.  
Renewable and Sustainable Energy Reviews, vol.68, pp.727-737, 2017 (SCI-Expanded)
- XI. **Adaptive decision fusion based framework for short-term wind speed and turbulence intensity forecasting: Case study for North West of Turkey**  
Din Çkal Ç., Töreyn B. U., Küçükali S.  
Turkish Journal of Electrical Engineering and Computer Sciences, vol.25, no.4, pp.2770-2783, 2017 (SCI-Expanded)
- XII. **Risk scorecard concept in wind energy projects: An integrated approach**  
Kucukali S.  
Renewable and Sustainable Energy Reviews, vol.56, pp.975-987, 2016 (SCI-Expanded)
- XIII. **Effect of particle size on flip bucket scour**  
Kökpınar M. A., Kucukali S.  
Canadian Journal of Civil Engineering, vol.43, no.8, pp.759-768, 2016 (SCI-Expanded)
- XIV. **Hydraulic model test results of baffle-brush fish pass**  
Kucukali S., Hassinger R.  
Proceedings of the Institution of Civil Engineers: Water Management, vol.168, no.4, pp.189-194, 2015 (SCI-Expanded)
- XV. **Environmental risk assessment of small hydropower (SHP) plants: A case study for Tefen SHP plant on Filyos River**  
Kucukali S.  
Energy for Sustainable Development, vol.19, no.1, pp.102-110, 2014 (SCI-Expanded)
- XVI. **Finding the most suitable existing hydropower reservoirs for the development of pumped-storage schemes: An integrated approach**  
Kucukali S.  
Renewable and Sustainable Energy Reviews, vol.37, pp.502-508, 2014 (SCI-Expanded)
- XVII. **Wind energy resource assessment of Izmit in the West Black Sea Coastal Region of Turkey**  
Kucukali S., Dinçkal C.  
Renewable and Sustainable Energy Reviews, vol.30, pp.790-795, 2014 (SCI-Expanded)
- XVIII. **Availibility of renewable energy sources in Turkey: Current situation, potential, government policies and the EU perspective**  
Baris K., Kucukali S.  
Energy Policy, vol.42, pp.377-391, 2012 (SCI-Expanded)
- XIX. **Risk assessment of river-type hydropower plants using fuzzy logic approach**  
Kucukali S.

- Energy Policy, vol.39, no.10, pp.6683-6688, 2011 (SCI-Expanded)
- XX. **Discussion of "Energy dissipation on block ramps with staggered boulders" by Z. Ahmad, N. M. Petappa, and B. Westrich**  
Kucukali S.  
Journal of Hydraulic Engineering, vol.137, no.1, pp.144-145, 2010 (SCI-Expanded)
- XXI. **Hydropower potential of municipal water supply dams in Turkey: A case study in Ulutan Dam**  
Kucukali S.  
Energy Policy, vol.38, no.11, pp.6534-6539, 2010 (SCI-Expanded)
- XXII. **Comments on "Energy demand estimation of South Korea using artificial neural network" by Zong Woo Geem and William E. Roper**  
Kucukali S.  
ENERGY POLICY, vol.38, no.10, pp.6379-6380, 2010 (SCI-Expanded)
- XXIII. **Municipal water supply dams as a source of small hydropower in Turkey**  
Kucukali S.  
Renewable Energy, vol.35, no.9, pp.2001-2007, 2010 (SCI-Expanded)
- XXIV. **Turkey's short-term gross annual electricity demand forecast by fuzzy logic approach**  
Kucukali S., Baris K.  
Energy Policy, vol.38, no.5, pp.2438-2445, 2010 (SCI-Expanded)
- XXV. **Comments on "A quadratic helix approach to evaluate the Turkish renewable energies" by Melih Soner Celiktas and Gunnur Kocar**  
Kucukali S.  
ENERGY POLICY, vol.38, no.4, pp.2063-2064, 2010 (SCI-Expanded)
- XXVI. **Discussion: Fuzzy logic model to predict hydraulic jump aeration efficiency**  
Kucukali S., Cokgor S.  
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-WATER MANAGEMENT, vol.163, no.2, pp.98-99, 2010 (SCI-Expanded)
- XXVII. **Energy concept for predicting hydraulic jump Aeration efficiency**  
Kucukali S., Çokgör Ş.  
Journal of Environmental Engineering, vol.135, no.2, pp.105-107, 2009 (SCI-Expanded)
- XXVIII. **Assessment of small hydropower (SHP) development in Turkey: Laws, regulations and EU policy perspective**  
Kucukali S., Baris K.  
Energy Policy, vol.37, no.10, pp.3872-3879, 2009 (SCI-Expanded)
- XXIX. **Turbulent length-time scales distributions in hydraulic jumps**  
Kucukali S., Chanson H.  
Proceedings of the Institution of Civil Engineers: Water Management, vol.162, no.4, pp.269-277, 2009 (SCI-Expanded)
- XXX. **Turbulence measurements in the bubbly flow region of hydraulic jumps**  
Kucukali S., Chanson H.  
Experimental Thermal and Fluid Science, vol.33, no.1, pp.41-53, 2008 (SCI-Expanded)
- XXXI. **Boulder-flow interaction associated with self-aeration process**  
Kucukali S., Çokgör Ş.  
Journal of Hydraulic Research, vol.46, no.3, pp.415-419, 2008 (SCI-Expanded)
- XXXII. **Fuzzy logic model to predict hydraulic jump aeration efficiency**  
Kucukali S., Çokgör Ş.  
Proceedings of the Institution of Civil Engineers: Water Management, vol.160, no.4, pp.225-231, 2007 (SCI-Expanded)
- XXXIII. **How Roman engineers selected their water supplies**  
Kucukali S.  
Proceedings of the Institution of Civil Engineers: Water Management, vol.160, no.4, pp.249-253, 2007 (SCI-Expanded)

- XXXIV. **Discussion of "Energy dissipation on reinforced block ramps" by S. Pagliara and P. Chiavaccini**  
Kucukali S.  
JOURNAL OF IRRIGATION AND DRAINAGE ENGINEERING, vol.133, no.3, pp.289, 2007 (SCI-Expanded)
- XXXV. **Discussion of "Unobstructed and obstructed turbulent flow in gravel bed rivers" by Hans M. Triticco and Rollin H. Hotchkiss**  
Kucukali S., Cokgor S.  
JOURNAL OF HYDRAULIC ENGINEERING, vol.133, no.1, pp.117-118, 2007 (SCI-Expanded)
- XXXVI. **Discussion of "Open channel flow through different forms of submerged flexible vegetation" by C. A. M. E. Wilson, T. Stoesser, R D. Bates, and A. Batemann Pinzen**  
Kucukali S., Cokgor S.  
JOURNAL OF HYDRAULIC ENGINEERING-ASCE, vol.132, no.7, pp.748-749, 2006 (SCI-Expanded)
- XXXVII. **Oxygen transfer in flow around and over stones placed in a laboratory flume**  
Çokgör Ş., Kucukali S.  
Ecological Engineering, vol.23, no.3, pp.205-212, 2004 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The İmlemention of the EU Water Framework Directive Impact on Small Hydropower Plants: Situation in Turkey**  
Küçükali S.  
Enerji Hukuku Dergisi, no.1, pp.187-196, 2014 (Peer-Reviewed Journal)
- II. **Hidrolik Sıçramanın Havalandırma Verimliliğinin İncelenmesi**  
Küçükali S.  
İTÜ Dergisi-Mühendislik, vol.5, no.5, pp.56-66, 2006 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Finding the Most Suitable Irrigation Dams for Hydropower Development in Turkey Using Multi-Criteria Scoring and GIS Spatial Analysis Tool**  
Küçükali S.  
in: Sustainable Energy Development and Innovation, Ali Sayigh, Editor, Springer Nature, Zürich, pp.709-715, 2022
- II. **Environmental Sustainability Assessment of Small Hydropower Plants: A Case Study from Ceyhan River Basin in Turkey**  
Küçükali S.  
in: Sustainable Energy Development and Innovation, Ali Sayigh, Editor, Springer Nature, Zürich, pp.699-706, 2022
- III. **An Experimental Investigation of Reaeration and Energy Dissipation in Hydraulic Jump**  
Küçükali S., Çokgör Ş.  
in: Recent Trends in Environmental Hydraulics, Kalinowska M., Mrokowska M., Rowiński P., Editor, Springer, London/Berlin, Zug, pp.127-136, 2020
- IV. **Flow and Turbulence Structure in a Vertical Slot-Brush Fish Pass**  
Küçükali S., Hassinger R.  
in: Recent Trends in Environmental Hydraulics, Kalinowska M., Mrokowska M., Rowiński P., Editor, Springer, London/Berlin, Zug, pp.137-146, 2020
- V. **Ecological Assessment: Use of Hydropower and Biogas Energy in Waste Water Treatment Plants**  
Küçükali S.  
in: Life Cycle Assessment of Wastewater Treatment, Mu Naushad, Vera B. Kolb, Editor, CRC, New York, Florida, pp.23-32, 2018
- VI. **Risk Assessment in Hydroenergy Projects: Learning from Experts and Data**  
Küçükali S.

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Statistical Analysis of Biogas Production from Wastewater: A Case Study**  
KÜÇÜKALİ S., Özbey C.  
40th IAHR World Congress, 21 August 2023, pp.1586-1592
- II. **Pool-Riffle Morphology as a Holistic Mitigation Measure for Hydropeaking**  
KÜÇÜKALİ S., AKYÜZ A., ALP A.  
40th IAHR World Congress, 21 - 25 August 2023
- III. **A Numerical Investigation of Hydrodynamics of Fish-friendly Fine Screens**  
KÜÇÜKALİ S., Özbey C.  
40th IAHR World Congress, 21 August 2023, pp.1935-944
- IV. **Prevention of Flood Risk Using Detention Basins, Agva Case Study**  
KÜÇÜKALİ S., ORUÇ Y., YILMAZ K.  
40th IAHR World Congress, 21 - 26 August 2023
- V. **Providing Alternative Migration Corridors and Micro-Habitat in Pool-Weir Fish Pass**  
Küçükali S.  
IAHR World Congress, Vienna, Austria, 21 - 25 August 2023, pp.1-10
- VI. **Numerical Simulation of Vertical Slot-Brush Fish Pass**  
Küçükali S.  
IAHR 2023 World Congress, Vienna, Austria, 21 - 25 August 2023, pp.1-10
- VII. **Flow Resistance and Energy Dissipation in Brush Fish Pass**  
KÜÇÜKALİ S.  
7th IAHR Europe Congress, Greece, 07 September 2022
- VIII. **Monitoring Fish Passage Hydrodynamics with Hydroacoustic Measurement Techniques: A Case Study for Çataloluk Small Hydropower Plant in Turkey**  
KÜÇÜKALİ S., ALP A., Ekren M. G.  
7th IAHR Europe Congress, Greece, 07 September 2022
- IX. **Flow and Turbulence Structure of Diagonal Brush Fish Pass: Full-Scale Physical Model and Prototype Measurements**  
KÜÇÜKALİ S., Hassinger R.  
39th IAHR World Congress, Spain, 19 June 2022
- X. **Rehabilitation of Vertical Slot Fish Pass with the Installation of Brush Blocks and Substrate: A Pilot Project in Cataloluk Small Hydropower Plant, Turkey**  
KÜÇÜKALİ S., ALP A.  
39th IAHR World Congress, Spain, 19 June 2021
- XI. **An investigation of the hydrodynamic and fish behavior characteristics in brush-type fish passage: A pilot study in İyidere, Turkey**  
KÜÇÜKALİ S., Hassinger R.  
ISEH 2021, Seoul, South Korea, 19 - 21 July 2021
- XII. **Enhancing the performance of vertical slot fish pass by using brush blocks: a field study in Cataloluk small hydropower plant, Turkey**  
Küçükali S.  
HYDRO 2020, Strasbourg, France, 26 - 28 October 2020, pp.1-10
- XIII. **Flow and Turbulence Structure in a Vertical Slot-Brush Fish Pass**  
Kucukali S., Hassinger R.  
RECENT TRENDS IN ENVIRONMENTAL HYDRAULICS, pp.137-146
- XIV. **An Experimental Investigation of Reaeration and Energy Dissipation in Hydraulic Jump**  
Kucukali S., Cokgor S.

RECENT TRENDS IN ENVIRONMENTAL HYDRAULICS, pp.127-136

- XV. **Sazlık Tipi Balık Geçişinin Hidrodinamik Karakteristiklerinin Deneysel Olarak İncelenmesi ve Boyutlandırma Konseptinin Geliştirilmesi**  
Küçükali S.  
Balık Geçitleri ve Göçleri Çalıştayı, İstanbul, Turkey, 21 - 22 November 2016, pp.21-23
- XVI. **Renewable energy policy in Turkey**  
Küçükali S.  
World Renewable Energy Congress 2011, Linköping, Sweden, 08 May 2011, pp.1-8
- XVII. **Image analysis based fish tail beat frequency estimation for fishway efficiency**  
Yıldırım Y., Töreyn B. U., Verep B., Turan D., Küçükali S., Alp A.  
26th European Signal Processing Conference, EUSIPCO 2018, Rome, Italy, 3 - 07 September 2018, pp.1790-1794
- XVIII. **Application of Brush Type Fish Passage to Hydroelectric Power Plant and Monitoring of Fish Pass Efficiency with Pit Tag System**  
VEREP B., KÜÇÜKALİ S., TURAN D., ALP A., MUTLU T., KAYA C.  
ITESDES-1. International Technological Sciences and Design Symposium, Giresun, Turkey, 27 - 29 June 2018, pp.143-151
- XIX. **Turbulence kinetic energy reduction in vertical slot fish passages with flexible bristle elements**  
Küçükali S.  
Proceedings of 5th IAHR Europe Congress, Trento, Italy, 08 June 2018, pp.1-2
- XX. **A Two-dimensional Numerical and Experimental Study on Fish-Friendly Hydrodynamic Fine Screens**  
Küçükali S.  
Proceedings of 5th IAHR Europe Congress, Trento, Italy, 10 June 2019, pp.3-4
- XXI. **Flow and turbulence measurements in a diagonal brush fish pass: A field study**  
Kucukali S., Hassinger R., Verep B., Mutlu T., Ozelci D.  
7th IAHR International Symposium on Hydraulic Structures, ISHS 2018, Aachen, Germany, 15 - 18 May 2018, pp.241-252
- XXII. **Environmental impact assessment of coal power plants in operation**  
Bartan A., Kucukali S., Ar I.  
International Conference on Advances in Energy Systems and Environmental Engineering, ASEE 2017, Wroclaw, Poland, 2 - 05 July 2017, vol.22
- XXIII. **An investigation of the hydrodynamic and fish behavior characteristics of the brush-type fish passage: Iyidere (Turkey) field study**  
Küçükali S.  
Fish Passage 2017: International Conference on Engineering and Ecohydrology for Fish Passage, Oregon, United States Of America, 19 - 21 June 2017, pp.1
- XXIV. **Brush-baffle fish pass: a continuous migration corridor for fish**  
Küçükali S.  
HYDRO 2016, Bordeaux, France, 10 - 12 October 2016, pp.1-10
- XXV. **Flow and turbulence structure in brush fish pass**  
Küçükali S.  
Fish Passage 2016, Massachusetts, United States Of America, 20 - 22 June 2016, pp.1
- XXVI. **Enhancing the environmental performance of run-of-river hydropower plants: an assessment for Filyos river basin in Turkey**  
Küçükali S.  
HYDRO 2014, Milan, Italy, 13 October 2014, pp.1-8
- XXVII. **Hydraulic design of an innovative baffle-brush type fish pass**  
Küçükali S.  
Fish Passage 2015, Groningen, Netherlands, 22 - 24 June 2015, pp.1
- XXVIII. **Pompa-Depolamalı Hidroelektrik Santral Yapımı için Potansiyel Hidroelektrik Rezervuarlarda Saha Uygunluk İndeksinin Geliştirilmesi: Türkiye Örneği**  
Küçükali S.

7. Mühendislik ve Teknoloji Sempozyumu, Ankara, Turkey, 15 - 16 May 2014, pp.295-300
- XXIX. **Sıçratma Uçlu Enerji Kırıcıların Mansabında Meydana Gelen Yersel Oyulma Derinliğinin Sedimente Göre Tanımlanmış Densimetrik Froude Sayısıyla Tahmin Edilmesi**  
Küçükali S.  
2. Ulusal Barajlar Kongresi, İstanbul, Turkey, 13 - 15 February 2014, pp.729-736
- XXX. **Wind energy development in Turkey: Policies and challenges**  
Kucukali S.  
European Wind Energy Conference and Exhibition, EWEC 2013, Vienna, Austria, 4 - 07 February 2013, vol.1, pp.25-33
- XXXI. **Environmental Risk Assessment of Small Hydropower Plants**  
Küçükali S.  
Hydroenergia 2012, Wroclaw, Poland, 23 May 2012, pp.1-8
- XXXII. **Türkiye'deki içme suyu barajlarının hidroelektrik potansiyelinin incelenmesi: Ulutan Barajı örnek bir çalışma**  
Küçükali S.  
VI. Kentsel Altyapı Sempozyumu, Antalya, Turkey, 14 - 15 October 2011, pp.275-284
- XXXIII. **Water supply lines as a source of small hydropower in Turkey: A Case study in Edremit**  
Küçükali S.  
World Renewable Energy Congress 2011, Linköping, Sweden, 8 - 13 May 2011, pp.1-8
- XXXIV. **Utilization of Hydropower Potential in Existing Municipal Water Supply Dams in Turkey**  
Küçükali S.  
HYDRO 2010, Lisbon, Portugal, 27 - 29 September 2010, pp.1-10
- XXXV. **Forecasting the River Discharge, Thermal and Sediment Load Characteristics: A Case Study for Filyos River**  
Küçükali S.  
15th River Flow Conference, İzmir, Turkey, 3 - 05 September 2008, pp.1975-1981
- XXXVI. **Hydraulic Jump Gas Transfer Efficiency on The Basis of Turbulent Energy Dissipation**  
Küçükali S.  
15th River Flow Conference, İzmir, Turkey, 3 - 05 September 2008, pp.229-236
- XXXVII. **Turkey's Economically Feasible Hydropower Potential And The Current Developments In SHP**  
Küçükali S.  
Hydroenergia 2008, Ljubljana, Slovenia, 11 - 14 June 2008, pp.1
- XXXVIII. **Aeration performance of a hydraulic jump**  
Kucukali S., Çokgör Ş.  
World Environmental and Water Resources Congress 2006: Examining the Confluence of Environmental and Water Concerns, Omaha, NE, United States Of America, 21 - 25 May 2006
- XXXIX. **Temporal variation of dissolved oxygen in a mountain stream plunge pool: An example from northern Turkey**  
Kucukali S., Çokgör Ş., Kartal B.  
World Environmental and Water Resources Congress 2006: Examining the Confluence of Environmental and Water Concerns, Omaha, NE, United States Of America, 21 - 25 May 2006
- XL. **Zonguldak'ın karst hidrojeolojisi ve bir Roma su yolu**  
Küçükali S.  
IV. Hidroloji Kongresi, İstanbul, Turkey, 23 - 25 June 2004, pp.499-506
- XLI. **Basamaklı kanallarda hava su akımları**  
Küçükali S.  
I. Ulusal Barajlar ve Hidroelektrik Enerji Kongresi, Ankara, Turkey, 1 - 04 June 2004, pp.729-736
- XLII. **Oxygen Transfer Around Boulders**  
Küçükali S.  
30th IAHR Congress Conference, Thessaloniki, Greece, 24 - 29 August 2003, pp.219-226
- XLIII. **Aeration performance of boulders in streams**



Küçükali S.

1st International Exergy, Energy and Environment Symposium, İzmir, Turkey, 13 - 17 July 2003, pp.1071-1076

## Other Publications

### I. The World Small Hydropower Report 2016 - Western Asia

Küçükali S.

Other, pp.430-433, 2016

## Supported Projects

KÜÇÜKALİ S., Özbey C., Project Supported by Higher Education Institutions, Balık Dostu Su Alma Yapılarının Sayısal olarak Modellenmesi, 2023 - Continues

Gaygusuz Ö., Albay M., Küçükali S., TUBITAK Project, Akarsularda Bozulan Ekolojik Sürekliliğin Yeniden Oluşturulması: Sapanca Havzası Pilot Çalışması, 2023 - 2025

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Publication: 89

Citation (WoS): 575

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## **Congress and Symposium Activities**

HydroTech Balkans 2014, Session Moderator, Belgrade, Serbia And Montenegro, 2014

## **Awards**

Küçükali S., Hassinger R., Best Poster Award, International School Of Hydraulics 2019, May 2019

## **Non Academic Experience**

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