

## Prof. Olcay KINCAI

### Personal Information

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### Education Information

Doctorate, Yıldız Üniversitesi, Makina Mühendisliği, Turkey Continues

Yıldız Üniversitesi, Makina Mühendisliği, Turkey Continues

Undergraduate, İ.D.M.M.A., Mühendislik, Makina Mühendisliği, Turkey Continues

Undergraduate, İstanbul, Edebiyat, Sosyoloji, Turkey Continues

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

- I. **Analysis of a wall cooling system using a heat pump**  
AKBULUT U., Kincay O., Utlu Z.  
RENEWABLE ENERGY, vol.85, pp.540-553, 2016 (SCI-Expanded)
- II. **Experimental and numerical investigation of the correlation between radiative and convective heat-transfer coefficients at the cooled wall of a real-sized room**  
AÇIKGÖZ Ö., Kincay O.  
ENERGY AND BUILDINGS, vol.108, pp.257-266, 2015 (SCI-Expanded)
- III. **INVESTIGATION ON THE RELATION BETWEEN EXERGY LOSS AND NTU**  
KINCAI O., Cellek M. S., Acikgoz O., Dalkilic A. S., Wongwises S.  
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.35, no.2, pp.153-164, 2015 (SCI-Expanded)
- IV. **An assessment of a pulp and paper mill through energy and exergy analyses**  
Utlu Z., Kincay O.  
ENERGY, vol.57, pp.565-573, 2013 (SCI-Expanded)
- V. **Fundamental Basis and Application of Cold-Room Project Design: A Turkish Case Study**  
Dalkılıç A. S., Kürekci N. A., Kincay O., Wongwises S.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.38, no.5, pp.1115-1130, 2013 (SCI-Expanded)
- VI. **Numerical Determination of Effects of Wall Temperatures on Nusselt Number and Convective Heat Transfer Coefficient in Real-Size Rooms**  
AÇIKGÖZ Ö., Kincay O.  
ADVANCES IN MECHANICAL ENGINEERING, 2013 (SCI-Expanded)
- VII. **Technical and Economic Performance Analysis of Utilization of Solar Energy in Indoor Swimming Pools, An Application**  
KINCAI O., Utlu Z., Akbulut U.  
JOURNAL OF SOLAR ENERGY ENGINEERING-TRANSACTIONS OF THE ASME, vol.134, no.1, 2012 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Investigation of an energy pile application and its economic analysis**

- Coşman S., Kıncaç O.  
European Mechanical Science, vol.8, no.1, pp.1-10, 2024 (Peer-Reviewed Journal)
- II. **İstanbul Şartlarında Deniz Suyundan Temiz Su Eldesi**  
KINCAÇ O.  
Tesisat Mühendisliği Dergisi, no.125, pp.52-62, 2011 (Peer-Reviewed Journal)
- III. **Duvarдан Isıtma-Soğutma Sistemleri ve Tasarım İlkeleri**  
KINCAÇ O.  
Tesisat Mühendisliği Dergisi, no.124, pp.25-33, 2011 (Peer-Reviewed Journal)
- IV. **Isıl Konforda Yeni Bir Yöntem Duvarдан Isıtma ve Soğutma Sistemleri**  
KINCAÇ O.  
Tesisat Mühendisliği Dergisi, no.174, pp.90-96, 2010 (Peer-Reviewed Journal)
- V. **Duvarдан Isıtmalı Yapılarda Dış Cephe Kaplamasının Isıl Performansa Etkisi**  
KINCAÇ O.  
Tesisat Mühendisliği Dergisi, no.119, pp.11-18, 2010 (Peer-Reviewed Journal)
- VI. **Buhar Kazan ve Tesisatlarında Korozyon Koruma Programı - Deneysel Uygulama**  
KINCAÇ O.  
Tesisat Mühendisliği Dergisi, no.120, pp.50-60, 2010 (Peer-Reviewed Journal)
- VII. **Kapalı Devre Mekanik Tesisatlarda Korozyon-1**  
Kürekci N. A., Kıncaç O., Ulusoy H., Akbulut U.  
Enerji Teknolojileri ve Mekanik Tesisat Dergisi, no.152, pp.48-56, 2008 (Peer-Reviewed Journal)
- VIII. **Termokimyasal Isı Depolama Sistemleri**  
Örenel M., Salt İ., Kıncaç O.  
Tesisat Enerji Teknolojileri ve Mekanik Tesisat Dergisi, pp.96-102, 2003 (Peer-Reviewed Journal)

## **Books & Book Chapters**

- I. **Endüstriyel Tesislerde Buharlaştırıcılar**  
Kıncaç O., Kürekci N. A.  
TMMOB Makine Mühendisleri Odası Yayınları, İstanbul, 2014
- II. **Gaz Tesisatı**  
Kürekci N. A., Kıncaç O.  
Yıldız Teknik Üniversitesi, İstanbul, 2010

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

- I. **Determination of the Effect of Wall Heating Systems on Convective Heat Transfer Coefficient in Buildings**  
AÇIKGÖZ Ö., Kıncaç O., Utlü Z.  
International Conference on Advanced Material and Manufacturing Science (ICAMMS 2012), Beijing, China, 20 - 21 December 2012, pp.1630-1631
- II. **Yıldız Yenilenebilir Enerji Evi**  
KINCAÇ O.  
Çevre ve Tasarım Kongresi, YTÜ Oditoryumu, İstanbul, 01 December 2011
- III. **Annual Investigation of Ground Source Heat Pump System Performance on a Wall Heating System in Istanbul**  
KINCAÇ O.  
The 6th International Green Energy Conference, IGEC-VI, Eskişehir, Anadolu University, Türkiye, 01 June 2011
- IV. **Examination of Usage of Hybrid Renewable Energy System on Cooling Purposes by Means of Analyzing**

KINCA Y O.

Humboldt Kolleg Istanbul 2010, Yildiz Technical University, Türkiye, 01 October 2010

- V. **Investigation of Usage of Ground Source Heat Pump System on Wall Heating**  
KINCA Y O.  
AIVC International Conference 2010, Low Energy and Sustainable Ventilation Technologies for Green Buildings, Seoul, Korea, 01 October 2010
- VI. **Investigation of Usage of Hybrid Energy System on heating Purposes**  
AKBULUT U., KINCA Y O., UTLU Z., YUMURTACI Z., AĞUSTOS H.  
SEEP2010 CONFERENCE, Bari, Italy, 29 July 2010, pp.122-126
- VII. **Technical and economic assessment of utilisation of solar energy in indoor swimming pools in Turkey, an application**  
AKBULUT U., KINCA Y O., UTLU Z., YUMURTACI Z., AĞUSTOS H.  
International Ege Energy Semposium and Exhibition (IEESE-5), Denizli, Turkey, 27 July 2010, pp.55-62
- VIII. **Investigation of Usage of Hybrid Renewable Energy System on Heating Purposes**  
UTLU Z., KINCA Y O., YUMURTACI Z., BEKİROĞLU K. N., KEYF S.  
4th International Conference on Sustainable Energy and Environmental Protection, Bari, Italy, 29 June - 02 July 2010
- IX. **Dynamic Exergy Analysis of a Real Vertical Ground Source Heat Pump System by Using Fast Artificial Neural Network Library (FANN)**  
KINCA Y O.  
The Fifth International Ege Energy Symposium and Exhibition, IEESE-5 Pamukkale University, Denizli, Türkiye, 01 June 2010
- X. **Investigation of Usage of Hybrid Renewable Energy System on Heating Purposes**  
KINCA Y O.  
SEEP 2010, Sustainable Energy and Environmental Protection, Bari, Italy, 01 June 2010
- XI. **Selection of an Appropriate Energy System For The University Campus**  
KINCA Y O., YUMURTACI Z.  
The Second International Green Energy Conference, Ontario, Canada, 24 July 2006, pp.120-127
- XII. **A 1-Propanol/Propanal/ Hydrogen Chemical Heat Pump System for Upgrading Low-level Thermal Energy**  
Salt İ., Kincay O., Bolat E.  
IEEEES-1 The First Exergy, Energy and Environment Symposium, İzmir, Turkey, 13 - 17 July 2003, pp.775-779
- XIII. **Proposal of a 2-Butanol/2-Butanone/Hydrogen Chemical Heat Pump System for Upgrading Low-level Thermal Energy**  
Salt İ., Bolat E., Kincay O.  
The 16th International Conference on Efficiency, Cost, Optimization, Simulation, and Environmental Impact of Energy Systems (ECOS2003), Kobenhavn, Denmark, 30 June - 02 July 2003, vol.3, pp.1591-1596

## Metrics

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