Prof. Ayşe Filiz Baytaş

Personal Information

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International Researcher IDs
ORCID: 0000-0001-7469-1965
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Education Information

Doctorate, Istanbul Technical University, Nükleer Enerji Enstitüsü, Turkey 1985 - 1994
Postgraduate, Istanbul Technical University, Nükleer Enerji Enstitüsü, Turkey 1982 - 1984

Foreign Languages

English

Dissertations

Doctorate, Tomografik görüntü oluşturulmasında doğrudan fourier yöntemine yeni bir yaklaşım, İstanbul Teknik Üniversitesi, Nükleer Enerji Enstitüsü, 1994
Postgraduate, Nükleer Güç Reaktörlerinin Çift Amaçlı Kullanımı, İstanbul Teknik Üniversitesi, Nükleer Enerji Enstitüsü, 1984

Research Areas

Energy

Academic Titles / Tasks

Professor, Istanbul Technical University, Enerji Enstitüsü, Nükleer Araştırmalar Anabilim Dalı, 2006 - Continues
Associate Professor, Istanbul Technical University, Nükleer Enerji Enstitüsü, 2005 - 2006
Assistant Professor, Istanbul Technical University, Nükleer Enerji Enstitüsü, 1997 - 2005

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Enerji Enstitüsü, Enerji Bilimi Ve Teknolojileri Anabilim Dalı, 2009 - Continues
İstanbul Teknik Üniversitesi, Enerji Enstitüsü, Enerji Bilimi Ve Teknolojileri Anabilim Dalı, 2009 - Continues
İstanbul Teknik Üniversitesi, Enerji Enstitüsü, Nükleer Araştırmalar Anabilim Dalı, 2009 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Entropy generation of mixed convection of SWCNT-water nanofluid filled an annulus with a rotating cylinder and porous lining under LTNE**
Çiçek O., Baytas A. F., Baytas A. C.
INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW, vol.31, no.5, pp.1588-1617, 2020 (SCI-Expanded)

II. **Thermal Non-equilibrium Natural Convection in a Square Enclosure with Heat-Generating Porous Layer on Inner Walls**
Baytas A. F., Baytas A. C.
TRANSPORT IN POROUS MEDIA, vol.120, no.1, pp.167-182, 2017 (SCI-Expanded)

III. **Shielding of Gamma Radiation by Using Porous Materials**
Gedik S., Baytaş A. F.
ACTA PHYSICA POLONICA A, vol.128, 2015 (SCI-Expanded)

IV. **Investigation for remediation of selenium aqueous environment with using organic pillared bentonite by radiotracer technique**
Tugrul A. B., Hacıyakupoğlu S., Erentürk S., KARATEPE N., BAYTAS F., Baydoğan N., Altınsoy N., BUYUK B., ORUCOGLU E., Demir E., et al.
Acta Physica Polonica A, vol.127, no.4, pp.1186-1188, 2015 (SCI-Expanded)

V. **Kinetic and thermodynamic behavior of selenium on modified bentonite and activated carbon using radiotracer technique**
Tugrul B., Erentürk S., Hacıyakupoğlu S., KARATEPE N., Altınsoy N., Baydoğan N., BAYTAS F., BUYUK B., Demir E., GEDIK S.
Acta Physica Polonica A, vol.128, no.2, pp.180-181, 2015 (SCI-Expanded)

VI. **Effects of non uniform porosity on double diffusive natural convection in a porous cavity with partially permeable wall**
AKBAL S., Baytaş A. F.
International Journal of Thermal Sciences, vol.47, pp.875-885, 2008 (SCI-Expanded)

VII. **Interaction of 1173 and 1332 keV photons in organic liquid Contaminants**
DAĞLI B., Baytaş A. F.
RADIATION MEASUREMENTS, vol.37, pp.253-258, 2003 (SCI-Expanded)

VIII. **Determination of Soil Parameters by Gamma Ray Transmission**
AKBAL S., Baytaş A. F.
RADIATION MEASUREMENTS, vol.35, no.1, pp.17-21, 2002 (SCI-Expanded)

IX. **Measurement and evaluation of saturations for water ethanol and a light non aqueous phase liquid in a porous medium by gamma attenuation**
İHSAKOĞLU A., Baytaş A. F.
APPLIED RADIATION AND ISOTOPES, vol.56, no.4, pp.601-606, 2002 (SCI-Expanded)

X. **The Projection Map Interpolation in Parallel Beam Gamma ray Computed Tomography**
Baytaş A. F.
APPLIED RADIATION AND ISOTOPES, vol.51, no.6, pp.717-724, 1999 (SCI-Expanded)

XI. **An Alternative Approach to Direct Fourier Reconstruction in Parallel Beam Tomography**
Baytaş A. F., GEÇKİNLİ M.
MEASUREMENT SCIENCE & TECHNOLOGY, vol.7, no.2, pp.556-563, 1996 (SSCI)

Articles Published in Other Journals

I. **CFD investigation of a sensible packed bed thermal energy storage system with different porous materials**
Erkinaci T., Baytas F.

International Journal of Heat and Technology, vol.35, 2017 (Scopus)

II. **Investigation of Salt Diffusion in Soil by Using Radiotracing Technique**
BAYTAŞ A. F., TUĞRUL A. B., GÖKBULAK F., BAYDOĞAN N., ALTINSOY N., HACIYAKUPOĞLU S., Karatepe N., ERENTÜRK S., Büyük B., DEMİR E., et al.
Defect and Diffusion Forum, 2013 (Scopus)

III. **Investigation of Salt Diffusion in Soil by Using Radiotracer Technique**
Baydoğan N., Baytaş A. F., Altınsoy N., Tuğrul A. B., Hacıyakupoğlu S., Demir E., Büyük B.
Defect and Diffusion Forum, vol.334335, pp.274-278, 2013 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

I. **Evaluation for elimination of methylene-orange from aqueous media by using membrane**
Tugrul A. B., Altinsoy N., Demir E., Erenturk S. A., Karatepe N., Haciyakupoglu S., Buyuk B., Baydogan N., Baytas A. F.
6th International Advances in Applied Physics and Materials Science Congress and Exhibition, APMAS 2016, İstanbul, Turkey, 1 - 03 June 2016, vol.1809

Supported Projects

Baytaş A. F., Project Supported by Higher Education Institutions, Investigaiton of salt diffusion in soil by using radiotracing technique, 2012 - 2018
Baytaş A. F., Project Supported by Higher Education Institutions, Gözenekli Ortamların Radyasyon Zırhı Olarak Kullanılması, 2014 - 2015
Baytaş A. F., Project Supported by Higher Education Institutions, Gözenekli Bir Kanalda Gelişmil Zorlamalı Taşınımın İncelenemsi, 2010 - 2015
Baytaş A. F., Project Supported by Higher Education Institutions, Gama Radyosonunun Toprak İle Zırhlanmasının İncelenmesi, 2001 - 2002
Baytaş A. F., Project Supported by Higher Education Institutions, Gözenekli Ortaklarda Kılcal Basınç Doyma İlişkisinin Gama Doyumu Işını Zayıflatma Tekniği İle İncelenmesi, 2001 - 2002
Baytaş A. F., Project Supported by Higher Education Institutions, Toprak Numunelerde Foton Zayıflatma Katsayısının Ölçülmesi, 1999 - 1999

Metrics

Publication: 53
Citation (WoS): 27
Citation (Scopus): 42
H-Index (WoS): 3
H-Index (Scopus): 4

Non Academic Experience

Enerji Enstitüsü