

Prof. Ayşe Filiz Baytaş

Personal Information

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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

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

- 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, 2020 (Journal Indexed in SCI)

- 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 (Journal Indexed in SCI)
- III. **Shielding of Gamma Radiation by Using Porous Materials**
Gedik S., Baytaş A. F.
ACTA PHYSICA POLONICA A, vol.128, 2015 (Journal Indexed in SCI)
- 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 (Journal Indexed in 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., GEDİK S.
Acta Physica Polonica A, vol.128, no.2, pp.180-181, 2015 (Journal Indexed in 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 (Journal Indexed in SSCI)
- 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 (Journal Indexed in SSCI)
- VIII. **Determination of Soil Parameters by Gamma Ray Transmission**
AKBAL S., Baytaş A. F.
RADIATION MEASUREMENTS, vol.35, no.1, pp.17-21, 2002 (Journal Indexed in SSCI)
- 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 (Journal Indexed in SSCI)
- 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 (Journal Indexed in SSCI)
- 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 (Journal Indexed in 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 (Refereed Journals of Other Institutions)
- II. **Evaluation of Rubidium and Potassium Diffusion in Soil by Radiotracer Technique**
Demir E., Tuğrul A. B. , Baydoğan N., Baytaş A. F. , Altınsoy N., Hacıyakupoğlu S., Büyük B.
Defect and Diffusion Forum, vol.353, pp.199-204, 2014 (Refereed Journals of Other Institutions)
- III. **Investigation of Helical Flow by Using Tracer Technique**
Altınsoy N., Tuğrul A. B. , Baytaş A. F. , Baydoğan N., Yavuz N., Hacıyakupoğlu S., Büyük B.

EPJ Web of Conferences, vol.50, 2013 (Refereed Journals of Other Institutions)

IV. 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 (Refereed Journals of Other Institutions)

V. 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 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

I. Evaluation for Elimination of Methylene-orange from Aqueous Media by Using Membrane

Tugrul A. B. , Altınsoy N., Demir E., Erenturk S. A. , Karatepe N., Hacıyakupoglu S., Buyuk B., Baydogan N., Baytas A. F.

6th Congress and Exhibition on International Advances in Applied Physics and Materials Science (APMAS), 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 İncelenmesi, 2010 - 2015

Baytaş A. F. , Project Supported by Higher Education Institutions, Gama Radyosununun 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

Citations

Total Citations (WOS):22

h-index (WOS):3