

Prof. İlyas Bedii Özdemir

Personal Information

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International Researcher IDs

ORCID: 0000-0002-4126-2029

Publons / Web Of Science ResearcherID: E-8644-2012

ScopusID: 56315276400

Yoksis Researcher ID: 4230

Education Information

Doctorate, Imperial College of Science, Technology and Medicine, Mechanical Engineering, United Kingdom 1988 - 1992

Postgraduate, Von Karman Institute For Fluid Dynamics, Environmental And Applied Fluid Dynamics, Belgium 1987 - 1988

Postgraduate, Tennessee Technological University, Mechanical Engineering, United States Of America 1985 - 1987

Undergraduate, Bogazici University, Faculty Of Engineering, Makina Mühendisliği Bölümü, Turkey 1980 - 1987

Foreign Languages

English

Dissertations

Doctorate, Impingement of Single and Two-phase Jets on Unheated and Heated Flat Plates, Imperial College Of Science, Technology And Medicine, Mechanical Engineering, 1992

Postgraduate, The Dynamics of Unsteady Buoyancy-Driven Flow in the Early Stages of Heavy Gas Dispersion, Von Karman Institute For Fluid Dynamics, Environmental And Applied Fluid Dynamics, 1988

Postgraduate, Study on Square-edged Rectangular Orifice Meters, Tennessee Technological University, Mechanical Engineering, 1987

Research Areas

Technical Sciences, Mechanical Engineering, Energy, Fluid Mechanics, Fluid Machinery, Advanced Energy Technologies, Thermodynamics, Heat and Mass Transfer, Fuels and Combustion, Computational fluid dynamics

Academic Titles / Tasks

Professor, Istanbul Technical University, Makine Fakültesi, Makine Mühendisliği Bölümü, 1999 - Continues

Associate Professor, Istanbul Technical University, Makine Fakültesi, Makine Mühendisliği Bölümü, 1994 - 1999

Research Assistant, Imperial College Of Science, Technology And Medicine (Imperial College London), Mühendislik,

Makina, 1989 - 1994

Research Assistant, Tennessee Technological University, Mühendislik, Makina, 1987 - 1989

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Savunma Teknolojileri Anabilim Dalı, 1997 - 2001

Courses

Mechanics of Turbulence, Doctorate, 2016 - 2017

Advanced Fluid Mechanics, Undergraduate, 2016 - 2017

Supported Projects

Özdemir İ. B., Project Supported by Higher Education Institutions, Simulation of Flow and Reactions in a Nitriding Furnace, 2014 - 2018

Özdemir İ. B., Project Supported by Higher Education Institutions, Yakıcılarda Çalkantılı Yanmanın Sönme ve Yeniden Alevlenme Olgularının Benzetimi, 2015 - 2017

Özdemir İ. B., Project Supported by Higher Education Institutions, Önkirişimsiz Yanma Problemleri için Model Geliştirilmesi, 2011 - 2016

Özdemir İ. B., Project Supported by Higher Education Institutions, Ön Gövde Burun Geometrisinin Geniş Hüküm Açılı Konumdaki Model Roket Ardındaki, 1998 - 2016

Özdemir İ. B., Project Supported by Higher Education Institutions, GÜRÜLTÜ DÜZEYİ DÜŞÜK ÜFLEYİCİLERİN SAYISAL ORTAMDA TASARIMI, 2010 - 2015

Özdemir İ. B., Project Supported by Higher Education Institutions, Tüp İçine Püskürtülen Süsüstü Jetlerin Şok Yapılarında Görülen Değişimlerin, 1998 - 2008

Özdemir İ. B., Project Supported by Higher Education Institutions, Taşit Ardızindeki Çalkantı Yapılarının Sayısal ve Deneysel Araştırılması, 2006 - 2007

Özdemir İ. B., Project Supported by Higher Education Institutions, Yanma Sayısal Uygulamalarında Düşük-Boyutlu Çözüm Uzayı Yönteminin Kimyasal Mekanizmaların Basitleştirilmesi Amacıyla Kullanılması ve Bu Yöntem Üzerinde İyileştirme Çalışmalarının Gerçekleştirilmesi, 2003 - 2007

Özdemir İ. B., Project Supported by Higher Education Institutions, Çapraz Atış Vortekslerinin Roket Kanatçıkları ile etkileşimleri ve bu dinamik yükler, 1997 - 2000

Özdemir İ. B., Project Supported by Higher Education Institutions, İlkinci Fazın Sesüstü Jetler Üzerine Etkisi, 1997 - 2000

Özdemir İ. B., Project Supported by Higher Education Institutions, Yan Jetlerin Çapraz Akış Aerodinamiği, 1997 - 1999

Özdemir İ. B., Project Supported by Higher Education Institutions, Sesüstü Jet Duvar Etkileşimleri, 1997 - 1999

Özdemir İ. B., Project Supported by Higher Education Institutions, Roket/Rampa etkileşiminin ve Yan Jetlerinin Roket Uçuş Kararlılığı, 1996 - 1999

Metrics

Publication: 58

Citation (WoS): 207

Citation (Scopus): 238

H-Index (WoS): 5

H-Index (Scopus): 6

Non Academic Experience

AKIŞ ISI VE YANMA TEKNOLOJİLERİ

Imperial College

Tennessee Tech. Univ.