

Prof. Kadir BİLEN

Personal Information

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Post Address: Atatürk Üniversitesi Makine Mühendisliği, Erzurum

Biography

CURRICULUM VITAE (Prof. Dr. Kadir BİLEN) Born in Bayburt. In 1986, he graduated from Department of Mechanical Engineering, Firat University. Atatürk University and started to work at Ataturk University at same year. He graduated from the Dokuz Eylül University Graduate School of Science in 1989 and completed his Ph.D. in the Institute of Natural Sciences in Karadeniz Technical University in 1994. In the same year, he completed his doctorate at Ataturk University. Assoc. Started. He worked at Miami University and Florida Universities in USA between 1999-2000. He became an Associate Professor in 2002. In 2006, she worked with TUBITAK scholarship and post-doctoral postdoctoral at Southern Methodist University in Dallas, USA. In 2007, he is the Professor at the Department of Thermodynamics Engineering at Atatürk University Engineering Faculty. She knows English well. He is married and father of two children. Working subjects: Members of the board of directors, members of the board of directors, members of the board of directors, members of the board of directors and officials.

Education Information

Post Doctorate, Southern Methodist University, Engineering Faculty, Mechanical Engineering, United States Of America 2005 - 2006

Doctorate, Karadeniz Teknik Üniversitesi, Fen Bilimleri, Makine Müh Abd, Turkey 1989 - 2004

Post Doctorate, University Of Florida, Engineering Faculty, Mechanical Engineering, United States Of America 2000 - 2000

Post Doctorate, University Of Miami, Engineering Faculty, Mechanical Engineering, United States Of America 1999 - 2000

Post Graduate, Dokuz Eylül Üniversitesi, Fen Bilimleri, Makine Mühendisliği Abd, Turkey 1986 - 1989

Under Graduate, Firat Üniversitesi, Mühendislik Fakültesi, Makine Müh. Bölümü, Turkey 1981 - 1986

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Occupational Health and Safety, İş Yeri Hekimliği ve İş güvenliği Uzmanlığı Eğitici Belgesi, İş Sağlığı ve Güvenliği Genel Müdürlüğü, 2017

Research Areas

Mechanical Engineering, Energy, Fluid Mechanics, Pressure Vessels and Piping, Energy storage technologies, Solar energy, Thermodynamics, Heating, Refrigerating and Air Conditioning, Thermal Systems, Engineering and Technology

Academic Titles / Tasks

Professor, Atatürk Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, 2007 - Continues

Associate Professor, Atatürk Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, 2002 - 2007
Assistant Professor, Atatürk Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, 1994 - 2002
Research Assistant, Atatürk Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, 1992 - 1994
Research Assistant, Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, 1989 - 1992
Research Assistant, Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, 1986 - 1989

Courses

Fluid Mechanics-II, Under Graduate, 2016 - 2017, 2017 - 2018

Advising Theses

BİLEN K., Motorlarda Tuboşarz Sisteminin Analizi, Post Graduate, K.Çağla(Student), 2017
BİLEN K., Alüminyum köpük Kanatlı Yüzeyde Isı Transferinin İncelenmesi, Post Graduate, S.GÖK(Student), 2016
BİLEN K., Araçlarda türbo şarj optimizasyonu, Doctorate, E.Safarian(Student), 2015
BİLEN K., Dönmeli akış üreteçlerinin ısı transfer ve akış karakteristiklerinin, Post Graduate, T.BALTA(Student), 2015
BİLEN K., Düşük sıcaklıktaki enerjinin faz değişim malzemesi kullanılarak depolanmasında erime ve katılaşma süresine etki eden parametrelerin deneysel olarak incelenmesi, Post Graduate, F.TAKGİL(Student), 1999
BİLEN K., Dönen çarpan jetin ısı transfer karakteristiklerinin deneysel incelenmesi, Post Graduate, K.BAKIRCI(Student), 1998
BİLEN K., Kanatlı yüzeylerde ısı transferinin iyileştirilmesi, Post Graduate, U.AKYOL(Student), 1998

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

- **Investigation of the effect of aluminum porous fins on heat transfer**
BİLEN K., GÖK Ş., Olcay A. B. , SOLMUŞ İ.
ENERGY, vol.138, pp.1187-1198, 2017 (Journal Indexed in SCI)
- **Transient behavior of a cylindrical adsorbent bed during the adsorption process**
SOLMUŞ İ., Yamali C., YILDIRIM C., BİLEN K.
APPLIED ENERGY, vol.142, pp.115-124, 2015 (Journal Indexed in SCI)
- **The investigation of groove geometry effect on heat transfer for internally grooved tubes**
BİLEN K., ÇETİN M., Gul H., Balta T.
APPLIED THERMAL ENGINEERING, vol.29, pp.753-761, 2009 (Journal Indexed in SCI)
- **Thermal energy storage behavior of CaCl₂center dot 6H₂O during melting and solidification**
BİLEN K., Takgil F., KAYGUSUZ K.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.30, pp.775-787, 2008 (Journal Indexed in SCI)
- **Energy production consumption and environmental pollution for sustainable development A case study in Turkey**
BİLEN K., ÖZYURT Ö., BAKIRCI K., ERDOĞAN S., YILMAZ M., ÇOMAKLI Ö.
Renewable Energy Reviews, pp.1529-1561, 2008 (Journal Indexed in SCI)
- **Visualization of heat transfer for impinging swirl flow**
Bakirci K., Bilen K.
EXPERIMENTAL THERMAL AND FLUID SCIENCE, vol.32, pp.182-191, 2007 (Journal Indexed in SCI)
- **Visualization of heat transfer for impinging swirl flow**
BAKIRCI K., BİLEN K.
Experimental Thermal and Fluid Science, vol.32, pp.182-191, 2007 (Journal Indexed in SCI)
- **Heat transfer and thermal performance analysis of a surface with hollow rectangular fins**
AKYOL U., Bilen K.
APPLIED THERMAL ENGINEERING, vol.26, pp.209-216, 2006 (Journal Indexed in SCI)
- **Heat transfer from a surface fitted with rectangular blocks at different orientation angle**

Bilen K., Yapici S.

HEAT AND MASS TRANSFER, vol.38, pp.649-655, 2002 (Journal Indexed in SCI)

- **Heat transfer from a plate impinging swirl jet**

Bilen K., Bakirci K., Yapici S., YAVUZ T.

INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.26, pp.305-320, 2002 (Journal Indexed in SCI)

- **Thermal performance analysis of a tube finned surface**

Bilen K., AKYOL U., Yapici S.

INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.26, pp.321-333, 2002 (Journal Indexed in SCI)

- **Heat transfer from a plate impinging swirl jet**

BİLEN K., BAKIRCI K., YAPICI S., YAVUZ T.

International Journal Of Energy Research, vol.26, pp.305-320, 2002 (Journal Indexed in SCI)

- **Heat transfer an friction correlations and thermal performance analysis for a finned surface**

BİLEN K., AKYOL U., YAPICI S.

Energy Conversion And Management, vol.42, pp.1071-1083, 2001 (Journal Indexed in SCI Expanded)

- **Taguchi approach for investigation of heat transfer from a surface equipped with rectangular blocks**

BİLEN K., Yapici S., ÇELİK C.

Energy Conversion and Management, vol.42, pp.951-961, 2001 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Optimization of waste gate in the diesel engines with turbocharger**

SAFARIAN E., BİLEN K., CEVİZ M. A. , SALİMİAS A.

International Journal of Automotive Engineering (IAE), vol.6, pp.2198-2210, 2016 (Refereed Journals of Other Institutions)

- **Silika jel su çalışma çiftini kullanan adsorpsiyonlu soğutma sisteminin performans analizi**

SOLMUŞ İ., YILDIRIM C., BİLEN K.

TESİSAT MÜHENDİSLİĞİ, vol.140, pp.52-59, 2014 (Other Refereed National Journals)

- **Tek kanallı çok kanallı ve dönen jetlerin ısı transferine etkileri**

BAKIRCI K., BİLEN K.

Mühendis ve Makina Dergisi, vol.44, pp.55-60, 2003 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- **Analysis of Compressor of Double Stage Turbocharger**

BİLEN K., TOPCU M. T. , YILMAZ H. İ.

3rd International Conference on Advanced Engineering Technologies (ICADET), Bayburt, Turkey, 19 - 21 September 2019, vol.1, pp.267-272

- **Evaluations on Energy Identity Certificate and Energy Performance Calculation Method in Buildings (BEP-TR2)**

Esra U., BİLEN K., TOPCU M. T.

3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 - 21 September 2019, vol.1, pp.1230-1235

- **Evaluations on Energy Identity Certificate and Energy Performance Calculation Method in Buildings (BEP-TR2)**

URMAMEN E., BİLEN K., TOPCU M. T.

3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 - 21 September 2019, pp.123-1235

- **Analysis of Compressor of Double Stage Turbocharger**

BİLEN K., TOPCU M. T. , YILMAZ H. İ.

3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 - 21 September 2019, pp.267-273

- **MOTORLU ARAÇLARDA TURBO SİSTEMİNDE TÜRBİN KISMININ BİR BOYUTLU TASARIM VE ANALİZİ**

YILMAZ H. İ. , BİLEN K., TOPCU M. T.

14. ULUSAL TESİSAT MÜHENDİSLİĞİ KONGRESİ – 17-20 NİSAN 2019/İZMİR, İzmir, Turkey, 17 - 20 April 2019, pp.881-887

• **Motorlu Araçlarda Turbo Sisteminde Türbin Kısımının Bir Boyutlu Tasarım ve Analizi**

YILMAZ H. İ. , TOPCU M. T. , BİLEN K.

14.Ulusal Tesisat Mühendisliği Kongresi, İzmir, Turkey, 17 - 20 April 2019, vol.1, pp.881-887

• **MOTORLU ARAÇLARDA TURBO SİSTEMİNDE KOMPRESÖR KISMININ BİR BOYUTLU TASARIM VE ANALİZİ**

TOPCU M. T. , YILMAZ H. İ. , BİLEN K.

14. ULUSAL TESİSAT MÜHENDİSLİĞİ KONGRESİ – 17-20 NİSAN 2019/İZMİR, İzmir, Turkey, 17 - 20 April 2019, pp.812-818

• **Motorlu Araçlarda Turbo Sisteminde Kompresör Kısımının Bir Boyutlu Tasarım ve Analizi**

TOPCU M. T. , BİLEN K., YILMAZ H. İ.

14.Ulusal Tesisat Mühendisliği Kongresi, İzmir, Turkey, 17 - 20 April 2019, vol.1, pp.812-818

• **DİZEL ARAÇ TURBOŞARJIRLARIN TERMODİNAMİK ANALİZİ VE MOTORLA UYUMU**

BİLEN K., TOPCU M. T. , YILMAZ H. İ.

14. ULUSAL TESİSAT MÜHENDİSLİĞİ KONGRESİ – 17-20 NİSAN 2019/İZMİR, İzmir, Turkey, 17 - 20 April 2019, pp.842-851

• **DİZEL ARAÇ TURBOŞARJIRLARIN TERMODİNAMİK ANALİZİ VE MOTORLA UYUMU**

BİLEN K., TOPCU M. T. , YILMAZ H. İ.

14.Ulusal Tesisat Mühendisliği Kongresi, İzmir, Turkey, 17 - 20 April 2019, pp.842-851

• **Otomobil Klima Sistemlerinde Alternatif R152a gazı kullanımı ve Termodinamik Açından İncelenmesi**

KALKIŞIM A. T. , BİLEN K.

II.International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.1312-1319

• **Gözenek yapılı kanatlı yüzeyde ısı transferi ve sürtünme katsayısının incelenmesi**

Bilen K., Gök S., Olcay A. B. , Solmuş İ.

21.Ulusal Isı Bilimi ve Tekniği Kongresi, 13-16 Eylül 2017, Çorum, Turkey, 13 - 16 September 2017, pp.1149-1155

• **Thermodynamic and Exergy analysis of the Alternative Refrigerants For Automotive AC System**

KALKIŞIM A. T. , BİLEN K.

ICIEEM 2017, Philadelphia, United States Of America, 21 October 2017 - 23 January 2018

• **Artificial intelligent models for thermodynamic properties of R152a and R134a refrigerants in automobile air conditioning systems**

Kalkisim A. T. , BİLEN K., Hasiloglu A.

2016 Annual Connecticut Conference on Industrial Electronics, Technology and Automation, CT-IETA 2016, Connecticut, United States Of America, 14 - 15 October 2016

• **The comparison of performance by using alternative refrigerant R152a in automobile climate system with different artificial neural network models**

Kalkisim A., HAŞILOĞLU A., BİLEN K.

1st International Physics Conference at the Anatolian Peak, IPCAP 2016, Erzurum, Turkey, 25 - 27 February 2016, vol.707

• **Optimum insulation thickness of external walls and energy saving for various fuels in Turkey**

BİLEN K., ŞEN S.

the 8th SDEWES'13 Conference on Sustainable Development of Energy, Water and Environment Systems, Dubrovnik, Croatia, 22 - 27 February 2015, pp.508-521

• **The Performance of Alternative Refrigerant Gas R152a as Mobile Air Conditioning Refrigerant**

BİLEN K., KALKIŞIM A. T. , SOLMUŞ İ.

17th Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction (PRES 2014), Prague, Czech Republic, 23 - 27 August 2014, vol.39, pp.1801-1802

• **Convective heat transfer from a flat surface to an oblique impinging air jet**

Bilen K., YAVUZ T.

2nd Trabzon International Energy and Environment Symposium, Trabzon, Turkey, 26 - 29 July 1998, pp.431-435

Supported Projects

BİLEN K., TURAN S., TAK S., KUZU A. U. , TEPELİ C., YURDAKUL A., ŞAHİN B., AKTAŞ E., TOPCU M. T. , Project Supported by Higher Education Institutions, Atık Maddelerin Geri Dönüşümü ile Elektrik Üretimi, 2019 - 2020

BİLEN K., HANBEYİ Y., MERİÇ S., TOPCU M. T. , EROĞLU H., KESKİN H. B. , AKSU M., SHAWGIA., BAYAR B. C. , Project Supported by Higher Education Institutions, KATI ATIK OLARAK PLASTİK VE EVSEL ATIKLARIN GERİ DÖNÜŞÜMÜ PROJESİ, 2019 - 2020

BİLEN K., KALKIŞIM A. T. , SOLMUŞ İ., Project Supported by Higher Education Institutions, OTOMOBİL KLİMA SİSTEMLERİNDE ALTERNATİF SOĞUTKAN KULLANIMI VE TERMAL PERFORMANS İNCELEMESİ, 2015 - 2019

BİLEN K., Project Supported by Higher Education Institutions, DİZEL ARAÇLARDA GÜÇ SİSTEMLERİNİN GELİŞTİRİLMESİ, 2013 - 2015

BİLEN K., Project Supported by Higher Education Institutions, ALÜMİNYUM KÖPÜK KANATLAR İLE ISI TRANSFERİNİN İNCELENMESİ, 2011 - 2013

Memberships / Tasks in Scientific Organizations

Türk Isı Bilimi Tekniği Derneği, Member, 2000 - Continues

Makine Mühendisleri Odası, Member, 2000 - Continues

Scientific Refereeing

Energy, SCI Journal, November 2017

Energy, SCI Journal, April 2010

Invited Congress and Symposium Activities

4. Uluslararası Katılımlı Anadolu Enerji Sempozyumu, Panelists, Edirne, Turkey, 2018

II. International Conference on Advanced Engineering Technologies, Session Moderator, Bayburt, Turkey, 2017

II. International Conference on Advanced Engineering Technologies, Attendee, Bayburt, Turkey, 2017

IEEE Xplore, 02 March 2017, Attendee, Byram, United States Of America, 2017

SEEP2016,, Attendee, Kayseri, Turkey, 2016

PRES 2014, Attendee, Praha, Czech Republic, 2014

SDEWES'13 Conference on Sustainable Development of Energy, Water and Environment Systems,, Attendee, Dubrovnik, Croatia, 2013

Citations

Total Citations (WOS):394

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