

Prof. GAMZE GENÇ

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Education Information

Post Doctorate, University Of Bath, Engineering Faculty, Department Of Mechanical Engineering - Aerospace, Energy And Thermo-Sciences Research Group, Turkey 2009 - 2010

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Abd, Turkey 2004 - 2008

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Abd, Turkey 2002 - 2004

Undergraduate, Erciyes University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 1997 - 2002

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Ekserji ve Uygulamaları Yaz Kursu (Summer Course on Exergy and Its Applications), Bolu Abant İzzet Baysal Üniversitesi, 2011

Education Management and Planning, Ekserji ve Uygulamaları Yaz Kursu (Summer Course on Exergy and Its Applications), İstanbul Teknik Üniversitesi, 2007

Dissertations

Doctorate, İleri Teknoloji Sistemlerinin Minör Aktinid ve Uzun Ömürlü Fiyon Ürünlerini Yakma/Dönüştürme Potansiyellerinin Araştırılması, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Abd, 2008

Postgraduate, Bir akışkan karıştırma kabında karıştırma ve ısıtma proseslerinin CFD simülasyonu, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Abd, 2002

Research Areas

Mechanical Engineering, Energy, Renewable Energy Systems, Nuclear Energy, Solar energy, Hydrogen Technologies and

Fuel Cells, Wind power, Thermodynamics, Heat and Mass Transfer, Fuels and Combustion, Computational fluid dynamics, Engineering and Technology

Academic Titles / Tasks

Professor, Erciyes University, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği, 2017 - Continues
Associate Professor, Erciyes University, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği, 2012 - 2017
Assistant Professor, Erciyes University, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği, 2011 - 2012
Assistant Professor, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, 2009 - 2011
Research Assistant, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, 2004 - 2009

Academic and Administrative Experience

Head of Department, Erciyes University, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği, 2024 - Continues
Erciyes Üniversitesi, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği, 2017 - Continues
Adaptation/Exemption Committee Member, Erciyes University, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği, 2012 - Continues
Farabi Program Department Coordinator, Erciyes University, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği, 2012 - Continues
Deputy Head of Department, Erciyes University, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği, 2012 - 2024
Adaptation/Exemption Committee Member, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, 2006 - 2010

Courses

Postgraduate

PEM YAKIT PİLİ TEK., Postgraduate, 2011 - 2012
MÜHENDİSLİKTE MATEMATİK METOTLAR I, Postgraduate, 2011 - 2012

Undergraduate

ISI VE KÜTLE TRANSFERİ I, Undergraduate, 2023 - 2024
Mühendislik Matematiği, Undergraduate, 2013 - 2014
GENEL MATEMATİK II, Undergraduate, 2011 - 2012

Supervised Theses

Genç G., Energy, economic and environmental analysis of solar-aided coal-fired power plant: The case of Turkey and Niger, Doctorate, S.YOUNOUSSI(Student), 2024
Genç G., Gövde borulu ve plakalı ısı değiştiricilerinde farklı nanoakışkanların ısı performansına etkisinin sayısal ve deneysel araştırılması, Doctorate, Ö.KARATUTLU(Student), 2024
Genç G., Lityum-iyon bataryaların termal performansının sayısal incelenmesi ve optimizasyonu, Postgraduate, O.BATURAR(Student), 2023
Genç G., Design, thermal analysis and optimization of double layered thermally activated building system, Doctorate, O.Çalışır(Student), 2021
Genç G., Energy, exergy and economic analysis of PV/T assisted heat pump water heating system, Doctorate, M.Öztürk(Student), 2021
Elden G., GENÇ G., Kayseri ili için hayvansal atık kaynaklı biyogazdan elektrik enerjisi üretim potansiyelinin ve maliyetinin araştırılması, Postgraduate, H.NURALAN(Student), 2020
Genç G., EXERGY ANALYSIS OF SOLAR ENERGY DRIVEN HYDROGEN PRODUCTION PLANT, Postgraduate, A.Özdemir(Student), 2018

Genç G., Investigation of electricity and hydrogen production potential from solar/wind hybrid system in Iraq, Postgraduate, M.MAZHER(Student), 2017
GENÇ G., GÜNEŞ ENERJİSİNDEN HİDROJEN ÜRETİM POTANSİYELİNİN ARAŞTIRILMASI, Postgraduate, S.GÜREL(Student), 2014
GENÇ G., KATI OKSİT YAKIT HÜCRELİ GÜÇ ÜRETİM SİSTEMİNİN ENERJİ VE EKSERJİ ANALİZİ, Postgraduate, S.SARIKOÇ(Student), 2014
GENÇ G., KAYSERİ İLİ PINARBAŞI İLÇESİNDE ENERJİ ÜRETİM AMAÇLI RÜZGAR-HİDROJEN HİBRİD ENERJİ SİSTEMİNİN İNCELENMESİ, Postgraduate, M.ÇELİK(Student), 2011

Jury Memberships

Doctorate, Doctorate, Erciyes Üniversitesi, February, 2024
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Erciyes Üniversitesi, February, 2024
Doctorate, Doctorate, Erciyes Üniversitesi, January, 2024
Post Graduate, Post Graduate, Erciyes Üniversitesi, January, 2024
Associate Professor Exam, Associate Professor Exam, Erciyes Üniversitesi, October, 2023
Associate Professor Exam, Associate Professor Exam, Erciyes Üniversitesi, March, 2023
Associate Professor Exam, Associate Professor Exam, Erciyes Üniversitesi, September, 2021
Associate Professor Exam, Associate Professor Exam, Erciyes Üniversitesi, March, 2020
Post Graduate, Yüksek Lisans Tez Savunma Jürisi, Erciyes Üniversitesi, December, 2013
Appointment to Academic Staff-Assistant Professorship, Yardımcı Doçentliğe Atanma, Erciyes Üniversitesi, March, 2013
Post Graduate, Yüksek Lisans Tez Savunma Jürisi, Selçuk Üniversitesi, November, 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Fabrication and Characterization of CdTe Thin Films: Insights into Classical and Cryogenic Fabrication Techniques**
MANIR M., GENÇ G., NEVRUZOĞLU V., TOMAKİN M., ŞENSOY M. G.
ACS Omega, vol.10, no.7, pp.6567-6577, 2025 (SCI-Expanded)
- II. **Thermodynamic, economical and environmental performance evaluation of a 330 MW solar-aided coal-fired power plant located in Niger**
YOUNOUSSI SAIDOU S., GENÇ G.
Process Safety and Environmental Protection, vol.191, pp.1324-1338, 2024 (SCI-Expanded)
- III. **Determination of hydrogen fuel production from GIS-based selected ponds using hybrid renewable energy systems in Kayseri**
Keskin S., İpekli Z., Genç M. S., Genç G.
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.191, pp.2623-2633, 2024 (SCI-Expanded)
- IV. **Assessment of hydrogen production potential of APEX fusion blanket via cobalt-chlorine and copper-chlorine cycles**
ASAL Ş., GENÇ G., ACIR A.
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.190, pp.1536-1545, 2024 (SCI-Expanded)
- V. **Assessment of techno-economic analyzes of grid-connected nuclear and PV/ wind/battery/hydrogen renewable hybrid system for sustainable and clean energy production in Mersin-Turkiye**
Aktekin M., GENÇ M. S., AZGIN Ş. T., GENÇ G.
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.190, pp.340-353, 2024 (SCI-Expanded)
- VI. **Offshore and onshore renewable energy system modelling to meet the energy demand of megacity Istanbul**
İpekli Z., Keskin S., Genç M. S., Genç G.

PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.190, pp.34-45, 2024 (SCI-Expanded)

- VII. **Optimization study of an energy storage system supplied solar and wind energy sources for green campus**

Kaan M., Bozkurt A., Genç M. S., Genç G.

PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.190, no.part A, pp.863-872, 2024 (SCI-Expanded)

- VIII. **Fabrication of Gold Thin Films on Cooled Glass Substrates**

Manir M., GENÇ G., NEVRUZOĞLU V., TOMAKİN M., Cetin A. E.

PLASMONICS, 2024 (SCI-Expanded)

- IX. **Review on the Applications of Biomass-Derived Carbon Materials in Vanadium Redox Flow Batteries**

Dogan H., TAŞ M., Meseli T., ELDEN G., GENÇ G.

ACS OMEGA, vol.8, no.38, pp.34310-34327, 2023 (SCI-Expanded)

- X. **Techno-economic analysis of solar/wind power based hydrogen production**

Hasan M. M., Genç G.

FUEL, vol.324, 2022 (SCI-Expanded)

- XI. **A multi-generation system for hydrogen production through the high-temperature solid oxide electrolyzer integrated to 150 MW coal-fired steam boiler**

Arslan O., Acikkalp E., Genç G.

FUEL, vol.315, 2022 (SCI-Expanded)

- XII. **A comprehensive comparative energy and exergy analysis in solar based hydrogen production systems**

Ozdemir A., Genç G.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.47, no.24, pp.12189-12203, 2022 (SCI-Expanded)

- XIII. **Investigation of thermal performance of double-layered thermally activated building system in heating mode**

Çalışır O., Öztürk M., Genç G.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.235, no.21, pp.5866-5876, 2021 (SCI-Expanded)

- XIV. **Energy, exergy and economic (3E) evaluation of the photovoltaic/thermal collector-assisted heat pump domestic water heating system for different climatic regions in Turkey**

Ozturk M., Calisir O., Genç G.

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.145, no.3, pp.1431-1443, 2021 (SCI-Expanded)

- XV. **Energy and exergy analysis of a solid-oxide fuel cell power generation system for an aerial vehicle (ISSA-2015-139)**

GENÇ G., Sarikoc S.

INTERNATIONAL JOURNAL OF GREEN ENERGY, vol.15, no.3, pp.151-160, 2018 (SCI-Expanded)

- XVI. **STUDY OF A CONCEPTUAL ACCELERATOR DRIVEN SYSTEM LOADED WITH THORIUM DIOXIDE MIXED WITH TRANSURANIC DIOXIDES IN TRISO PARTICLES**

Bakir G., GENÇ G., YAPICI H.

NUCLEAR TECHNOLOGY & RADIATION PROTECTION, vol.31, no.3, pp.197-206, 2016 (SCI-Expanded)

- XVII. **Neutronic Analysis of LBE-Uranium Spallation Target Accelerator Driven System Loaded with Uranium Dioxide in TRISO Particles**

Bakir G., SELÇUKLU S. B., GENÇ G., YAPICI H.

ACTA PHYSICA POLONICA A, vol.130, no.1, pp.30-32, 2016 (SCI-Expanded)

- XVIII. **Neutron-Induced Medical Radioisotope Production in a Conceptual Accelerator-Driven System, Fueled with Uranium Carbide**

ARSLAN A., Bakir G., SELÇUKLU S. B., GENÇ G., YAPICI H.

ACTA PHYSICA POLONICA A, vol.130, no.1, pp.68-71, 2016 (SCI-Expanded)

- XIX. **The effects of temperature on transport phenomena in phosphoric acid doped polybenzimidazole polymer electrolyte membrane fuel cell**

ELDEN G., Celik M., GENÇ G., YAPICI H.

ENERGY, vol.103, pp.772-783, 2016 (SCI-Expanded)

- XX. **Time-Dependent Neutronic Analysis of a Power-Flattened Gas Cooled Accelerator Driven System Fuelled with Thorium, Uranium, Plutonium, and Curium Dioxides TRISO Particles**
Bakir G., GENÇ G., YAPICI H.
SCIENCE AND TECHNOLOGY OF NUCLEAR INSTALLATIONS, 2016 (SCI-Expanded)
- XXI. **Weakly Nonlinear Convection in a Porous Layer with Multiple Horizontal Partitions**
Rees D. A. S., Bassom A. P., GENÇ G.
TRANSPORT IN POROUS MEDIA, vol.103, no.3, pp.437-448, 2014 (SCI-Expanded)
- XXII. **Cost analysis of wind-electrolyzer-fuel cell system for energy demand in Pnarbaş-Kayseri**
Genç G., Celik M., Genç M. S.
International Journal of Hydrogen Energy, vol.37, no.17, pp.12158-12166, 2012 (SCI-Expanded)
- XXIII. **The onset of convection in horizontally partitioned porous layers**
GENÇ G., Rees D. A. S.
PHYSICS OF FLUIDS, vol.23, no.6, 2011 (SCI-Expanded)
- XXIV. **The onset of convection in porous layers with multiple horizontal partitions**
Rees D. A. S., Genc G.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.54, pp.3081-3089, 2011 (SCI-Expanded)
- XXV. **Hydrogen production potential of APEX fusion transmuter fueled minor actinide fluoride**
Genc G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.35, no.19, pp.10190-10201, 2010 (SCI-Expanded)
- XXVI. **Rapid Transmutation of High-Level Nuclear Wastes in a Catalyzed Fusion-Driven System**
Demir N., GENÇ G., Altunok T., Yapici H.
JOURNAL OF FUSION ENERGY, vol.28, no.1, pp.107-117, 2009 (SCI-Expanded)
- XXVII. **Time-dependent neutronic analysis for high level waste transmutation in a fusion-driven transmuter**
Yapici H., Demir N., GENÇ G.
JOURNAL OF FUSION ENERGY, vol.27, no.3, pp.206-215, 2008 (SCI-Expanded)
- XXVIII. **A comprehensive study on neutronics of a lead-bismuth eutectic cooled accelerator-driven sub-critical system for long-lived fission product transmutation**
Yapici H., GENÇ G., Demir N.
ANNALS OF NUCLEAR ENERGY, vol.35, no.7, pp.1264-1273, 2008 (SCI-Expanded)
- XXIX. **Neutronic limits in infinite target mediums driven by high energetic protons**
Yapici H., Genc G., Demir N.
ANNALS OF NUCLEAR ENERGY, vol.34, no.5, pp.374-384, 2007 (SCI-Expanded)
- XXX. **Reduction of thermally induced stress in a solid disk heated with radially periodic expanding and contracting ring heat flux**
Yapici H., Basturk G.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.180, no.1-3, pp.279-290, 2006 (SCI-Expanded)
- XXXI. **Effect of oxygen fraction on local entropy generation in a hydrogen-air burner**
Yapici H., Basturk G., Kayatas N., Albayrak B.
HEAT AND MASS TRANSFER, vol.43, no.1, pp.37-53, 2006 (SCI-Expanded)
- XXXII. **Study on transient local entropy generation in pulsating fully developed laminar flow through an externally heated pipe**
Yapici H., Kayatas N., Basturk G., Kahraman N.
HEAT AND MASS TRANSFER, vol.43, no.1, pp.17-35, 2006 (SCI-Expanded)
- XXXIII. **Transmutation-incineration potential of transuraniums discharged from PWR-UO₂ spent fuel in modified PROMETHEUS fusion reactor**
Yapici H., Genc G., Demir N.
FUSION ENGINEERING AND DESIGN, vol.81, no.18, pp.2093-2108, 2006 (SCI-Expanded)
- XXXIV. **Study on spent fuel rejuvenation in PROMETHEUS fusion reactor**
Yapici H., Demir N., Genc G., Ceper B.
Energy Conversion and Management, vol.47, no.4, pp.346-364, 2006 (SCI-Expanded)
- XXXV. **Neutronic Analysis for Transmutation of Minor Actinides and Long-Lived Fission Products in a**

Fusion-Driven Transmuter (FDT)", Journal of Fusion Energy

YAPICI H., KAYATAŞ DEMİR N., GENÇ G.

JOURNAL OF FUSION ENERGY, pp.225-239, 2006 (SCI-Expanded)

- XXXVI. **Numerical study on transient local entropy generation in pulsating turbulent flow through an externally heated pipe**
Yapici H., Basturk G., Kayatas N., YALÇIN Ş.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.30, pp.625-648, 2005 (SCI-Expanded)
- XXXVII. **Numerical calculation of local entropy generation in a methane-air burner**
Yapici H., Kayatas N., Albayrak B., Basturk G.
ENERGY CONVERSION AND MANAGEMENT, vol.46, no.11-12, pp.1885-1919, 2005 (SCI-Expanded)
- XXXVIII. **Numerical study on local entropy generation in a burner fueled with various fuels**
Yapici H., Kayatas N., Albayrak B., Basturk G.
HEAT AND MASS TRANSFER, vol.41, no.6, pp.519-534, 2005 (SCI-Expanded)
- XXXIX. **Numerical study on conjugate heat transfer in laminar fully developed flow with temperature dependent thermal properties through an externally heated SiC/SiC composite pipe and thermally induced stress**
YAPICI H., Baştürk G., Albayrak B.
ENERGY CONVERSION AND MANAGEMENT, vol.46, no.4, pp.633-654, 2005 (SCI-Expanded)
- XL. **Numerical solutions of transient temperature and thermally induced stress distributions in a solid disk heated with radially periodic expanding and contracting ring heat flux**
Yapici H., Basturk G.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.159, no.1, pp.99-112, 2005 (SCI-Expanded)
- XLI. **The response to "the letter to editor" received from Dr Ivan Fort, with regards to our article given in Yapici and Basturk (2004)**
Yapici H., Basturk G.
COMPUTERS & CHEMICAL ENGINEERING, vol.29, no.2, pp.403, 2005 (SCI-Expanded)
- XLII. **Numerical solutions of transient conjugate heat transfer and thermally induced stress distribution in a heated and rotating hollow disk**
Yapici H., Basturk G.
ENERGY CONVERSION AND MANAGEMENT, vol.46, no.1, pp.61-84, 2005 (SCI-Expanded)
- XLIII. **Numerical study of effect of oxygen fraction on local entropy generation in a methane-air burner**
Yapici H., Basturk G., Kayatas N., Albayrak B.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.29, pp.641-667, 2004 (SCI-Expanded)
- XLIV. **CFD modeling of conjugate heat transfer and homogeneously mixing two different fluids in a stirred and heated hemispherical vessel**
YAPICI H., Basturk G.
COMPUTERS & CHEMICAL ENGINEERING, vol.28, no.11, pp.2233-2244, 2004 (SCI-Expanded)
- XLV. **Numerical study on effects of fuel mixture fraction and Li-6 enrichment on neutronic parameters of a fusion-fission hybrid reactor**
Yapici H., Genc G., Demir N.
JOURNAL OF FUSION ENERGY, vol.23, no.3, pp.191-205, 2004 (SCI-Expanded)
- XLVI. **Minor actinide transmutation potential of modified PROMETHEUS fusion reactor**
Yapici H., Genc G., Demir N., Ceper B.
Journal of Fusion Energy, vol.23, no.2, pp.121-135, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **Türkiye’de Farklı İklim Kuşakları İçin Yapay Sinir Ağları Kullanılarak Güneş Işınımının Tahmini**
ERTÜRK S., AKKUŞ C., KARA H., GENÇ G.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.11, no.4, pp.885-892, 2023 (Peer-Reviewed)

Journal)

- II. **Investigation of The Biogas and Electric Production Potential and Cost from The Cattle Waste in Kayseri**
Nuralan Poyraz H., Elden G., Genç G.
Dicle Üniversitesi Mühendislik Fakültesi, vol.11, pp.1175-1185, 2020 (Peer-Reviewed Journal)
- III. **Local Entropy Generation in a Propan-Air Burner**
Kayatas N., GENÇ G., ALBAYRAK ÇEPER B.
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGİSİ, vol.8, no.2, pp.161-172, 2005 (ESCI)
- IV. **Numerical study on local entropy generation in compressible flow through a suddenly expanding pipe**
YAPICI H., Kayataş N., KAHRAMAN N., Baştürk G.
Entropy, vol.7, no.1, pp.38-67, 2005 (Scopus)
- V. **Bir propan-hava yakıcısında yerel entropi üretimi**
KAYATAŞ DEMİR N., GENÇ G., ALBAYRAK ÇEPER B.
Gazi Üniversitesi POLİTEKNİK DERGİSİ, vol.8, no.2, pp.161-172, 2005 (Peer-Reviewed Journal)

Books

- I. **Enerji Sektöründe Yapay Zekâ Uygulamaları**
Ertürk Çetinkaya S., Genç G.
in: Sürdürülebilir Kalkınmada Dijital Dönüşüm ve Yapay Zekâ Uygulamaları, Ahmet Fazıl Özsoyulu, Emine Kılavuz, Editor, Akademisyen Yayınevi Kitabevi, Ankara, pp.179-212, 2024

Papers Published in Refereed Scientific Meetings

- I. **NACA 4415 PROFİLLİ KARBON FİBER KANAT İÇİN TİTREŞİMİN SAYISAL İNCELENMESİ**
Bereket M. F., AÇIKEL H. H., GENÇ G.
4th International World Energy Conference, Turkey, 6 - 08 December 2024
- II. **ERCİYES MÜHENDİSLİK FAKÜLTESİNDEKİ A BLOK İÇİN KARBON EMİSYONLARININ AZALTILMASI ÜZERİNE BİR ARAŞTIRMA**
Ekici D., GENÇ G.
4th International World Energy Conference, Turkey, 06 December 2024
- III. **FABRİKALARIN KARBON AYAK İZİNİN AZALTILMASINDA ÇATI ÜSTÜ GES'LERİN ETKİSİ: ALÜMİNYUM VE MOBİLYA SEKTÖRÜ ÖRNEĞİ**
Arslan K. A., Albayrak R. K., GENÇ G.
4th International World Energy Conference, Turkey, 6 - 08 December 2024
- IV. **GÜNEŞ ENERJİSİ KULLANILARAK HİDROJEN ÜRETİMİ**
GENÇ G.
4th International World Energy Conference, Kayseri, Turkey, 6 - 08 December 2024
- V. **PARAMETER SENSITIVITY ANALYSIS FOR ELECTROCHEMICAL PERFORMANCE OF A SODIUM-ION BATTERY**
Ertürk Çetinkaya S., ÇELİK M., GENÇ G.
4th International World Energy Conference, Turkey, 6 - 08 December 2024
- VI. **TÜRKİYE'NİN FARKLI İKLİM KOŞULLARINDA PV/T VE YAKIT HÜCRESİ DESTEKLİ HİBRİT SU ISITMA SİSTEMİNİN ENERJİ ANALİZİ**
AKKOÇ A. E., ÖZTÜRK M., GENÇ G.
4th International World Energy Conference, Turkey, 6 - 08 December 2024
- VII. **ACTIVATED CARBON PRODUCTION FROM CHESTNUT SHELLS FOR ENERGY STORAGE AND CONVERSION APPLICATIONS**

Keleş İ. A., Doğan H., Genç G.

THE 4th INTERNATIONAL CONFERENCE ON ENERGY ENVIRONMENT AND STORAGE OF ENERGY, Nevşehir, Turkey, 5 - 07 September 2024, pp.93

- VIII. **ÜÇ FARKLI YÖNTEMLE ÜRETİLEN n-CdS/p-Cu₂S GÜNEŞ PİLLERİNİN FOTOVOLTAİK ÖZELLİKLERİNİN İNCELENMESİ**
MANIR M., GENÇ G., TOMAKİN M., NEVRUZOĞLU V.
3 rd International World Energy Conference, Kayseri, Turkey, 4 - 05 December 2023
- IX. **The synthesis of carbon material from biomass for energy conversion and storage**
Meşeli T., Doğan H., Elden G., Genç G.
International Symposium on Materials for Energy Storage and Conversion 2023 (mESC-IS 2023), Muğla, Turkey, 17 - 21 July 2023, pp.160
- X. **Nitrogen-Doped Electrocatalyst from Tangerine Peels-Derived Biochar for Energy Storage and Conversion Applications**
Doğan H., Meşeli T., Genç G., Elden G.
International Symposium on Materials for Energy Storage and Conversion 2023 (mESC-IS 2023), Muğla, Turkey, 17 - 21 July 2023, pp.162
- XI. **NUMERICAL ANALYSIS OF THE BEHAVIOR OF DIFFERENT ANODE MATERIALS IN LITHIUM-ION BATTERIES**
ERTÜRK ÇETİNKAYA S., GENÇ G., ÇELİK M.
3 rd International World Energy Conference, Kayseri, Turkey, 04 December 2023
- XII. **INVESTIGATION OF CHARACTERISTIC PROPERTIES OF AU NANOPARTICLES PRODUCED BY CRYOGENIC METHOD**
Genç G., Manır M., Nevruzoğlu V.
UMTEB - XIV International Scientific Research Congress, Naples, Italy, 14 - 15 September 2023, pp.1-7
- XIII. **Synthesis of Activated Carbon from Hazelnut Shells**
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TIBTD Türk Isı Bilimi ve Tekniği Derneği, Member, 2009 - Continues

TMMOB Makine Mühendisleri Odası, Member, 2002 - Continues

Peer Reviews in Scientific Publications

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Scientific Research / Working Group Memberships

Elektrokimyasal Depolama Ve Enerji Dönüşümleri Araştırma Grubu, Erciyes University, Turkey,

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International Conference and Exhibition on Mechanical & Aerospace Engineering, Attendee, Texas, United States Of America, 2013

Invited Talks

The 6th International Conference on Alternative Fuels, Energy & Environment: Future and Challenges (ICAFEE 2023) - Solar/Wind Based Hydrogen Production, Conference, The 6th International Conference on Alternative Fuels, Energy & Environment: Future and Challenges (ICAFEE 2023), Turkey, October 2023

Scholarships

Yurt Dışı Doktora Sonrası Araştırma Bursu, University, 2009 - Continues

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Genç G., Genç M. S., Bayır E., Gürsoy F., Bodur T. M., Yılmaz O., Göçlü M., Bronze Medal for the Invent of

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