

Prof. Dr. AYŞE EREN PÜTÜN

Kişisel Bilgiler

E-posta: aeputun@anadolu.edu.tr

Web: <https://avesis.anadolu.edu.tr/aeputun>

Eğitim Bilgileri

Lisans, Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, Türkiye 1968 - 1973

Yabancı Diller

İngilizce, B2 Orta Üstü

Akademik Unvanlar / Görevler

Prof. Dr., Anadolu Üniversitesi, MÜHENDİSLİK FAKÜLTESİ, KİMYA MÜHENDİSLİĞİ BÖLÜMÜ, 2001 - Devam Ediyor

Yrd. Doç. Dr., Anadolu Üniversitesi, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 1987 - 1996

Öğretim Görevlisi, Anadolu Üniversitesi, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 1984 - 1987

Araştırma Görevlisi, Anadolu Üniversitesi, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 1981 - 1984

Yönetilen Tezler

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- I. **A combined phenomenological artificial neural network approach for determination of pyrolysis and combustion kinetics of polyvinyl chloride**
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- II. **An investigation on pyrolysis of textile wastes: Kinetics, thermodynamics, in-situ monitoring of evolved gasses and analysis of the char residue**
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- III. **Pyrolysis of petroleum sludge under non-isothermal conditions: Thermal decomposition behavior, kinetics, thermodynamics, and evolved gas analysis**
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- IV. **A thermo-kinetic study on co-pyrolysis of oil shale and polyethylene terephthalate using TGA/FT-IR**
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- V. **Environmental-friendly production of carbon fiber from isotropic hybrid pitches synthesized from waste biomass and polystyrene with ethylene bottom oil**
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- VI. **Investigating the interactions between lignocellulosic biomass and synthetic polymers during co-pyrolysis by simultaneous thermal and spectroscopic methods**
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- VII. **Chemically activated carbon production from agricultural waste of chickpea and its application for heavy metal adsorption: equilibrium, kinetic, and thermodynamic studies**
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- VIII. **TGA/MS/FT-IR study for kinetic evaluation and evolved gas analysis of a biomass/PVC co-pyrolysis process**
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- X. **Co-pyrolytic behaviors of biomass and polystyrene: Kinetics, thermodynamics and evolved gas analysis**
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- XI. **Insights into pyrolysis and co-pyrolysis of biomass and polystyrene: Thermochemical behaviors, kinetics and evolved gas analysis**
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- XII. **Equilibrium, kinetic, and thermodynamic studies of the adsorption of Fe(III) metal ions and 2,4-dichlorophenoxyacetic acid onto biomass-based activated carbon by ZnCl₂ activation**
KIRBIYIK Ç., PÜTÜN A. E., Putun E.
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- XIII. **Kinetics and evolved gas analysis for pyrolysis of food processing wastes using TGA/MS/FT-IR**
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WASTE MANAGEMENT, cilt.64, ss.315-326, 2017 (SCI-Expanded)
- XIV. **The effect of pyrolysis atmosphere on bio-oil yields and structure**
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- XV. **Thermal decomposition behavior of tobacco stem Part I: TGA-FTIR-MS analysis**
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- XVI. **Comparative studies on adsorptive removal of heavy metal ions by biosorbent, bio-char and activated carbon obtained from low cost agro-residue**
KIRBIYIK Ç., PÜTÜN A. E., Putun E.
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- XVII. **Thermal decomposition behavior of tobacco stem Part II: Kinetic analysis**
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- XVIII. **The Evaluation of Mesoporous Materials as Catalyst in Fast Pyrolysis of Wheat Straw**

ATEŞ F., Tophanecioglu S., PÜTÜN A. E.

INTERNATIONAL JOURNAL OF GREEN ENERGY, cilt.12, sa.1, ss.57-64, 2015 (SCI-Expanded)

- XIX. **A pyrolysis study for the thermal and kinetic characteristics of an agricultural waste with two different plastic wastes**
Cepeliogullar O., PÜTÜN A. E.
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- XX. **Bio-oil production via co-pyrolysis of almond shell as biomass and high density polyethylene**
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- XXII. **EVALUATION OF FIELD DEBRIS OF CHICKPEA HUSK AS A LOW-COST BIOSORBENT FOR REMOVAL OF METHYLENE BLUE FROM AQUEOUS SOLUTIONS**
KILIÇ M., Cepeliogullar O., ÖZSİN G., Uzun B. B., PÜTÜN A. E.
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- XXIII. **PYROLYSIS KINETICS AND THERMAL DECOMPOSITION BEHAVIOR OF POLYCARBONATE - a TGA-FTIR study**
Apaydin-Varol E., Polat S., PÜTÜN A. E.
THERMAL SCIENCE, cilt.18, sa.3, ss.833-842, 2014 (SCI-Expanded)
- XXIV. **Synthetic fuel production from cottonseed: Fast pyrolysis and a TGA/FT-IR/MS study**
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- XXV. **Thermal and kinetic behaviors of biomass and plastic wastes in co-pyrolysis**
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- XXVI. **Adsorption of heavy metal ions from aqueous solutions by bio-char, a by-product of pyrolysis**
Kilic M., KIRBIYIK Ç., Cepeliogullar O., PÜTÜN A. E.
APPLIED SURFACE SCIENCE, cilt.283, ss.856-862, 2013 (SCI-Expanded)
- XXVII. **Optimization of biodiesel production from castor oil using factorial design**
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FUEL PROCESSING TECHNOLOGY, cilt.111, ss.105-110, 2013 (SCI-Expanded)
- XXVIII. **An experimental study on bio-oil production from co-pyrolysis with potato skin and high-density polyethylene (HDPE)**
ÖNAL E., Uzun B. B., PÜTÜN A. E.
FUEL PROCESSING TECHNOLOGY, cilt.104, ss.365-370, 2012 (SCI-Expanded)
- XXIX. **Preparation and surface characterization of activated carbons from Euphorbia rigida by chemical activation with ZnCl₂, K₂CO₃, NaOH and H₃PO₄**
Kilic M., Apaydin-Varol E., PÜTÜN A. E.
APPLIED SURFACE SCIENCE, cilt.261, ss.247-254, 2012 (SCI-Expanded)
- XXX. **Biodiesel production from waste frying oils: Optimization of reaction parameters and determination of fuel properties**
Uzun B. B., Kilic M., ÖZBAY N., PÜTÜN A. E., Putun E.
ENERGY, cilt.44, sa.1, ss.347-351, 2012 (SCI-Expanded)
- XXXI. **Use of sesame stalk biomass for the removal of Ni(II) and Zn(II) from aqueous solutions**
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- XXXII. **Removal of copper(II) and cadmium(II) ions from aqueous solutions by biosorption onto pine cone**
Degirmen G., Kilic M., Cepeliogullar O., PÜTÜN A. E.
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- XXXIII. **Adsorptive removal of phenol from aqueous solutions on activated carbon prepared from tobacco residues: Equilibrium, kinetics and thermodynamics**
Kilic M., Apaydin-Varol E., PÜTÜN A. E.
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- XXXIV. **Steam pyrolysis of an industrial waste for bio-oil production**
ÖNAL E., Uzun B. B., PÜTÜN A. E.
FUEL PROCESSING TECHNOLOGY, cilt.92, sa.5, ss.879-885, 2011 (SCI-Expanded)
- XXXV. **Synthetic fuel production from tea waste: Characterisation of bio-oil and bio-char**
Uzun B. B., Apaydin-Varol E., ATEŞ F., ÖZBAY N., PÜTÜN A. E.
FUEL, cilt.89, sa.1, ss.176-184, 2010 (SCI-Expanded)
- XXXVI. **Rapid Pyrolysis of Olive Residue. 2. Effect of Catalytic Upgrading of Pyrolysis Vapors in a Two-Stage Fixed-Bed Reactor**
Putun E., Uzun B. B., PÜTÜN A. E.
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- XXXVII. **Catalytic pyrolysis of biomass in inert and steam atmospheres**
Puetuen E., ATEŞ F., PÜTÜN A. E.
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- XXXVIII. **Rapid pyrolysis of olive residue. 1. Effect of heat and mass transfer limitations on product yields and bio-oil compositions**
Uzun B. B., Putun A. E., Putun E.
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- XXXIX. **Composition of products obtained via fast pyrolysis of olive-oil residue: Effect of pyrolysis temperature**
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- XL. **Production of bio-fuels from cottonseed cake by catalytic pyrolysis under steam atmosphere**
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Diğer Dergilerde Yayınlanan Makaleler

- I. **Humulus lupulus As a Raw Material for Bio-oil Production via Slow Pyrolysis**
Apaydin-Varol E., KILIÇ M., PÜTÜN A. E., Degirmen G., Putun E.
GAZI UNIVERSITY JOURNAL OF SCIENCE, cilt.30, sa.2, ss.111-122, 2017 (ESCI)

Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

- I. **CATALYTIC PYROLYSIS OF BIOMASS: YIELDS AND CHARACTERIZATION OF THE PRODUCTS**
ATEŞ F., PÜTÜN A. E., Putun E.
2nd International Conference on Energy Sustainability, Florida, Amerika Birleşik Devletleri, 10 - 14 Ağustos 2008, ss.723-727, (Tam Metin Bildiri)