

**PROF. FEVZİ HANSU**

### **Kişisel Bilgiler**

**Eposta:** f\_hansu@siirt.edu.tr

**Birim:** ELEKTRİK TESİSLERİ

**Dahili:** -

### **Makaleler (YOKSIS)**

- 1 A space charge motion simulation with FDTD method and application in negative corona electrostatic field analysis**

Alagöz Barış Baykant, ALİSOY HAFİZ, ALAGÖZ SERKAN, HANSU FEVZİ

Applied Mathematics and Computation, <https://linkinghub.elsevier.com/retrieve/pii/S0096300312002032>

- 2 Bariyer Boşalması Yöntemiyle CO<sub>2</sub> Bileşigiden CO Üretimi**

AKDEMİR MURAT, HANSU FEVZİ

Mühendislik ve Fen Dergisi, <https://dergipark.org.tr/tr/journal/3015/workflow/history?status=-2>

- 3 Effect of Dielectric Barrier Discharges on the Elimination of Some Flue Gases**

AKDEMİR MURAT, HANSU FEVZİ

IEEE TRANSACTIONS ON PLASMA SCIENCE, <https://ieeexplore.ieee.org/document/9027946>

- 4 Effect of Induction Heating Aided Dielectric Barrier Discharge on the Elimination of SO<sub>2</sub>, NO<sub>x</sub>, and CO Gases**

AKDEMİR MURAT, HANSU FEVZİ

Water, Air, Soil Pollution, <http://link.springer.com/10.1007/s11270-019-4387-3>

- 5 Experimental Analysis of Current Oscillations of Semiconductor Barrier Discharge**

SOLMAZ Ramazan, HANSU FEVZİ

IEEE Transactions on Plasma Science, <https://ieeexplore.ieee.org/document/9222069/>

- 6 Experimental frequency analysis of p and n-type semiconductor barriers in SBD system**

SOLMAZ Ramazan, HANSU FEVZİ

VACUUM, <https://www.sciencedirect.com/science/article/pii/S0042207X20304681>

- 7 Experimental Investigation of High-Frequency Effect on Ignition and Damping of Corona Discharges**

ARI İLKER, HANSU FEVZİ

DÜMF Mühendislik Dergisi, <http://dx.doi.org/10.24012/dumf.1351383>

- 7
- 8 **Hydrogen Generation from Hydrolysis of Sodium Borohydride with Ni 0 Catalyst in Dielectric Barrier Discharge Method**  
ŞAHİN ÖMER,BAYTAR ORHAN,HANSU FEVZİ,SAKA CAFER  
Energy Sources, Part A: Recovery, Utilization, and Environmental Effects,<http://www.tandfonline.com/doi/abs/10.1080/15567036.2011.555442>
- 9 **Hydrogen Generation from NaBH Solution with the High performance Co 0 Catalyst Using a Cold Plasma Method**  
ŞAHİN ÖMER,SAKA CAFER,BAYTAR ORHAN,HANSU FEVZİ  
Energy Sources, Part A: Recovery, Utilization, and Environmental Effects,<http://www.tandfonline.com/doi/abs/10.1080/15567036.2011.555443>
- 10 **Influence of plasma treatment on electrochemical activity of Ni o based catalyst for hydrogen production by hydrolysis of NaBH4**  
ŞAHİN ÖMER,SAKA CAFER,BAYTAR ORHAN,HANSU FEVZİ  
Journal of Power Sources,<http://linkinghub.elsevier.com/retrieve/pii/S0378775313008148>
- 11 **Investigation of a New Supercapacitor Electrode Material from Prunus Spinosa Biomass**  
AVCI HANSU TÜLİN, HANSU FEVZİ, AKDEMİR MURAT  
Springer Science and Business Media LLC,<http://dx.doi.org/10.1007/s12649-023-02059-x>
- 12 **Investigation of the characteristics of dielectric barrier discharge in transition region**  
ALİSOY HAFIZ,YEROĞLU CELALEDDİN,KÖSEOĞLU MURAT,HANSU FEVZİ  
Journal of Physics D: Applied Physics,<http://stacks.iop.org/0022-3727/38/i=24/a=002?key=crossref.57843a1951edcfbba3204f0affe159e9>
- 13 **Investigation of the Effect of High Frequency and Ambient Gas on Ignition and Damping of Barrier Discharge**  
SAĞLAM MUSTAFA,HANSU FEVZİ  
IEEE Transactions on Plasma Science,<https://doi.org/10.1109/tps.2025.3533421>
- 14 **Mo-katkılı Mikroalg Kullanılarak Enerji Depolama Amaçlı Süperkapasitör Üretimi**  
KAYA MUSTAFA, HANSU FEVZİ, AKDEMİR MURAT  
European Journal of Science and Technology,<http://dx.doi.org/10.31590/ejosat.1009539>
- 15 **Sınır Elemanları Yöntemiyle MEMS Plakası Dışında Oluşan Manyetostatik Potansiyel Analizi**  
SOLMAZ Ramazan,HANSU FEVZİ  
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi,
- 16 **The effect of dielectric barrier discharge cold plasmas on the electrochemical activity of Co Cr B based catalysts**  
HANSU FEVZİ  
Journal of the Energy Institute,<http://linkinghub.elsevier.com/retrieve/pii/S1743967114201619>
- 17 **Transient Analysis of Double Layer Metal-Gas-Dielectric-Metal DBD Cell**  
ALİSOY GÜLİZAR,HANSU FEVZİ,ALAGÖZ BARIŞ BAYKANT,ALİSOY HAFIZ  
Balkan Journal of Electrical and Computer Engineering,<http://dergipark.gov.tr/doi/10.17694/bajece.292656>
- 18 **Water Vapor Electrolysis By Using Electrical Plasma Method**

## Bildiriler (YOKSIS)

- 1 Analysis of Scalar Potential Formed in Semiconductor Barrier Discharge Reactor by Boundary Element Method**

SOLMAZ Ramazan, HANSU FEVZİ

6th International Symposium on Multidisciplinary Studies and Innovative Technologies ,  
<http://dx.doi.org/10.1109/ismsit52890.2021.9604709>

- 2 Application of Corona Discharge as a Pre-treatment Technique to Pistachio Shell and Investigation of Its Effect on Biogas Production**

İLÇİN İBRAHİM HALİL, ATELGE MUHAMMED RAŞİT, HANSU FEVZİ

The 6th International Conference on Alternative Fuels, Energy & Environment (ICAFEE 2023): Future and Challenges , [www.icafee.com](http://www.icafee.com)

- 3 Bariyer Boşalması Yöntemiyle CO<sub>2</sub> Bileşigiden CO Üretimi. CO Production from CO<sub>2</sub> Compound by Using Barrier Discharge Method**

AKDEMİR MURAT, HANSU FEVZİ

Uluslararası Bilim ve Mühendislik Sempozyumu ,

- 4 DBB Sisteminde N Tipi Yarıiletken Bariyer Kullanılarak Akım Osilasyonlarının Deneysel Analizi**

SOLMAZ Ramazan,HANSU FEVZİ,ALISOY HAFIZ

International Engineering and Science Symposium , <http://www.iespublishing.com/documents/fulltext-book.pdf>

- 5 DBB SİSTEMİNDE P TİPİ YARIİLETKEN BARIYER KULLANILARAK AKIM OSİLASYONLARININ DENYESEL ANALİZİ**

SOLMAZ Ramazan,HANSU FEVZİ

International Symposium on Advanced Engineering Technologies , <http://isadet.com/international-symposium-on-advanced-engineering-technologies-isadet-2018-invitation/>

- 6 Estimation of surface tension energy of metal plated surface by using Ampere's law**

Aliyev H Z, Yalçınkaya F, Kaygusuz A, Hansu F

MAMTEK "99" ,

- 7 KORONA BOŞALMASININ ÖN İŞLEM TEKNİĞİ OLARAK FİSTIK KABUĞUNA UYGULANMASI ve BİYOGAZ ÜRETİMİNE ETKİSİNİN ARAŞTIRILMASI**

İLÇİN İBRAHİM HALİL, HANSU FEVZİ, ATELGE MUHAMMED RAŞİT

IV. INTERNATIONAL HALICH CONGRESS ON MULTIDISCIPLINARY SCIENTIFIC RESEARCH ,  
[https://www.izdas.org/\\_files/ugd/614b1f\\_fc9fb22e53974437b5b6215210cb45ea.pdf](https://www.izdas.org/_files/ugd/614b1f_fc9fb22e53974437b5b6215210cb45ea.pdf)

- 8 P TİPİ YARIİLETKEN BARIYER KULLANARAK DİELEKTRİK BARIYER BOŞALMASI DENYESEL ANALİZİ**

SOLMAZ Ramazan,HANSU FEVZİ

International Symposium on Advanced Engineering Technologies , <http://isadet.com/international-symposium-on-advanced-engineering-technologies-isadet-2018-invitation/>

- 9 The Effect of Cold Plasma Obtained in Various Parameters, on the Electrochemical Activity of Co-B Based Catalysts**

HANSU FEVZİ,AVCI HANSU TÜLİN,ŞAHİN ÖMER

- 9 INTERNATIONAL CONFERENCE ON APPLICATION IN CHEMISTRY AND CHEMICAL ENGINEERING (ICACCHE) ,**
- 10 The Effect of High Frequency Cold Plasma Obtained in Various Parameters, on the Electrochemical Activity of Co-Cr-B Based Catalysts**  
AVCI HANSU TÜLİN,HANSU FEVZİ,ŞAHİN ÖMER  
INTERNATIONAL CONFERENCE ON APPLICATION IN CHEMISTRY AND CHEMICAL ENGINEERING (ICACCHE) ,
- 11 The Effect of Temperature on Some Electrical Parameters of Distilled Water**  
HANSU FEVZİ, AKDEMİR MURAT  
International Engineering and Technology Symposium (IETS'18) ,  
<http://earsiv.batman.edu.tr/xmlui/handle/20.500.12402/3763>
- 12 The Effect of Temperature on The Surface Discharges Occured on Porcelain Insulators**  
ERTUĞRUL EDİP,HANSU FEVZİ,ÇETİN RIDVAN  
International Engineering and Technology Symposium (IETS'18) ,
- 13 The Greenhouse Effect Of Some Gases On Solar Panels' Efficiency**  
BATUR ABDURRAHMAN,HANSU FEVZİ,SAĞLAM MUSTAFA  
The International Conference on Energy and Environmental Technologies in Engineering and Architecture (ICETEA 2024) , <https://conferences.azmiu.edu.az/abstract-book/>