

TAMER AKAN

PROF.

Email : akan@ogu.edu.tr

Other Email : tamerakan@gmail.com

Office Phone : [+90 222 239 3750](tel:+902222393750) Extension: 2121-2824

Address : TR: Eskisehir Osmangazi Üniversitesi, Fen Fakültesi,

Fizik Bölümü, 26040 Meşelik Kampüsü,

Odunpazarı/ESKİSEHIR/TÜRKİYE ENG: Eskisehir

Osmangazi University, Science Faculty, Physics Department,

26040 Meselik Campus, Odunpazarı/ESKISEHIR/TÜRKİYE

International Researcher IDs

ScholarID: 1263477692106564221

ORCID: 0000-0003-0907-2724

Publons / Web Of Science ResearcherID: GXV-8310-2022

ScopusID: 9274843700

Yoksis Researcher ID: 22458



Biography

Tamer Akan received the B.S. degree in physics from the Istanbul University in 1994 and the Ph.D. degree in Plasma Physics from the Eskisehir Osmangazi University (ESOGU) in 2003 in Turkey. He also worked at the cooperation project between ESOGU and National Institute for Laser, Plasma & Radiation Physics (INFLPR), Bucharest, in Romania and he is co-founder of the Plasma Physics Laboratory of ESOGU. He is also founder and the Director of Cold Plasma Laboratory of ESOGU. He was a Visiting Scientist in INFLPR in 1998. He worked at the Plasma & Spectroscopy Laboratory of Constanta Ovidius University in 2003 in Romania. He was a Post-doctoral Researcher at Old Dominion University's Applied Plasma Technology Laboratory, Frank Reidy Research Center for Bioelectrics in 2006 in USA. He is currently a professor with the Physics. Dr. Akan's research interests are vacuum arcs, applications of non-equilibrium gaseous discharges, cold plasmas, plasma medicine and sterilization process with non-thermal plasmas.

Learning Knowledge

Doctorate
1997 - 2003

Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey

Postgraduate
1994 - 1997

Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Fizik (Yl) (Tezli), Turkey

Undergraduate
1990 - 1994

Istanbul University, Faculty Of Science, Department Of Physics, Turkey

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Foreign Language, Yabancı Diller Eğitimi, Eskisehir Osmangazi Üniversitesi, 1998

Vocational Training, Summer School (Quantum Optoelectronic), Bilkent Üniversitesi, 1995

Education Management and Planning, Öğretmenlik Pedagojik Formasyon Eğitimi, İstanbul Üniversitesi, 1993

Dissertations

Doctorate, Investigation of the Basic Properties of the Thermionic Vacuum Arc (TVA), Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, 2003

Postgraduate, Multi Channel Thermal Microscope, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 1997

Postgraduate, Investigation of the Change of Conductivity with Temperature of Aluminum and Germanium Thin Films Stored by Vacuum Evaporation Technique, Istanbul University, 1994

Academic Titles / Tasks

Professor 2014 - Continues	Eskisehir Osmangazi University, Fen Fakültesi, Fizik Bölümü
Associate Professor 2008 - 2014	Eskisehir Osmangazi University, Fen Fakültesi, Fizik Bölümü
Assistant Professor 2008 - 2008	Eskisehir Osmangazi University, Fen Fakültesi, Fizik Bölümü
Researcher 2006 - 2007	Old Dominion University, Engineering And Technology, Center For Bioelectric
Research Assistant PhD 2003 - 2007	Eskisehir Osmangazi University, Fen Fakültesi, Fizik Bölümü
Researcher 2003 - 2003	"Costanta-Ovidius Üniversitesi", Plasma Spectroscopy Laboratory
Research Assistant 1994 - 2003	Eskisehir Osmangazi University, Fen Fakültesi, Fizik Bölümü
Researcher 1998 - 1998	National Institute for Laser Plasma and Radiation Physics, National Institute for Laser Plasma and Radiation Physics

Supported Projects

1. Kişi D., Akan T., Gündüz G., Gökmən G. G., Project Supported by Higher Education Institutions, Farklı Metal Nanopartikülleri Kullanarak Yüzeylerin Antimikrobiyal Özellikli İnce Film İle Kaplanması ve Karakterizasyonu, 2023 - 2025
2. Şahin Z., Özer N. E., Akan T., TUBITAK Project, Dijital ve Konvansiyonal Yöntemlerle Üretilen Protez Kaidelerinin Tamir Edilebilirliğine Çeşitli Yüzey İşlemlerinin Etkisi, 2022 - 2023
3. Usta Kutlu İ., Akan T., Project Supported by Higher Education Institutions, Surface Analysis of Zirconium and Lithium Disilicate Ceramics Following Different Surface Treatments and Non-Thermal Atmospheric Plasma Application, and Investigation of the Shear Bond Strength, 2022 - 2023
4. Kartal S., Akan T., Project Supported by Higher Education Institutions, Argon Atmospheric Pressure Cold Plasma Jet Generation and Modeling, 2021 - 2023
5. Mol Tokay S., Akan T., Kartal S., Coşansu Akdemir S., Tosun Ş. Y., Üçok Alakavuk D., Ulusoy Ş., Doğruyol Bayar H., Bostan K., TUBITAK Project, Effect of Atmospheric Pressure Cold Plasma on Quality of Sea Bass (*Dicentrarchus labrax*, Linnaeus, 1758), 2020 - 2023
6. Akan T., Yavaş E. S., Çabuk A., Project Supported by Higher Education Institutions, Effect of Atmospheric Cold Plasma on Some Virulence Characteristics of *Staphylococcus aureus*, a Pathogen of ESKAPE, 2022 - 2022
7. Akan T., Durmuş Ç., Project Supported by Higher Education Institutions, Production of Thin Films of TeO₂-ZnO Binary Glass Composition Synthesis by Thermionic Vacuum Arc (TVA), 2021 - 2022
8. Akan T., İlik E., Project Supported by Higher Education Institutions, Production and Investigation of Spectroscopic Characteristics of Nitrogen Cold Plasmas, 2017 - 2019
9. Akan T., İlik E., Tanışlı M., Project Supported by Higher Education Institutions, Investigation of Cold Flowing Radio Frequency Post Discharges, 2014 - 2016
10. AKAN T., İLİK E., Project Supported by Higher Education Institutions, Düşük Basınçta Soğuk-Akan-Post-Deşarj Plazmaların Etkileşiminin İncelenmesi, 2014 - 2015
11. Akan T., İlik E., Project Supported by Higher Education Institutions, Investigation of Interaction of Cold Flowing Post-Discharge Plasmas at Low Pressure, 2014 - 2015
12. Akan T., Ekem N., Project Supported by Higher Education Institutions, Plasma Processing of High Melting Temperature Materials and Development of Surface Coating Technology, 2005 - 2008
13. Akan T., Laroussi M., Civil Society Organizations of Other Countries Supported Project, Bactericidal Effects of Cold Plasma Technology on *Geobacillus Stearothermophilus* and *Bacillus Atrophaeus* Spores, 2006 - 2007
14. Akan T., Laroussi M., Project Supported by Public Organizations in Other Countries, Large Volume Non-Equilibrium Air Plasma at Atmospheric Pressure: A Novel Method with Low Power Requirements, 2006 - 2007
15. Akan T., Laroussi M., Project Supported by Public Organizations in Other Countries, Effects of Non-Equilibrium Plasmas on Eukaryotic Cells, 2006 - 2007
16. Akan T., Ekem N., Project Supported by Higher Education Institutions, Determination of Plasma Characteristics of RF Gas Discharges and Thermionic Vacuum Arc (TVA) Copper Metal Plasmas Using an Optical Multi-Channel Analyzer (OMA), 2003 - 2006
17. Akan T., Ekem N., Project Supported by Higher Education Institutions, Investigation of Low Temperature and Low Pressure Plasma Parameters, 1999 - 2002

Awards

1. Akan T., 2023 TÜRK FİZİK DERNEĞİ ONUR ÖDÜLÜ, Türk Fizik Derneği, August 2023
2. Akan T., 30. Uğur Mumcu Anma Ödülleri Yılın Sağlık Ödülü, Çağdaş Gazeteciler Derneği Ve Tepebaşı Belediyesi, January 2023
3. Akan T., Hizmet Teşekkürü, Esogü Fen Edebiyat Fakültesi, January 2005
4. Akan T., EN BAŞARILI ÇALIŞMA, Türk Fizik Derneği, September 2002

Scholarships

2219 Yurt Dışı Doktora Sonrası Araştırma Bursu, TUBITAK, 2006 - 2007

Jury Memberships

Associate Professor Exam, Associate Professor Exam, ÜAK, May, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Eskişehir Osmangazi Üniversitesi, December, 2021

Associate Professor Exam, Associate Professor Exam, Uşak Üniversitesi, December, 2021

Post Graduate, Post Graduate, Eskişehir Teknik Üniversitesi, June, 2021

Associate Professor Exam, Associate Professor Exam, September, 2020

Appointment to Academic Staff-Professorship, Appointment Academic Staff, Eskişehir Teknik Üniversitesi, January, 2020

Appointment to Academic Staff-Professorship, Appointment Academic Staff, Eskişehir Teknik Üniversitesi, June, 2019

Doctoral Examination, Doctoral Examination, Eskişehir Osmangazi Üniversitesi, May, 2019

Award, ESOGÜ FEN BİLİMLERİ ENSTİTÜSÜ EN BAŞARILI DOKTORA TEZİ ÖDÜLÜ , Eskişehir Osmangazi Üniversitesi, May, 2016

Associate Professor Exam, Associate Professor Exam, ÜAK, April, 2016

Associate Professor Exam, Associate Professor Exam, ÜAK, April, 2015

Associate Professor Exam, Associate Professor Exam, ÜAK, December, 2014

Associate Professor Exam, Associate Professor Exam, ÜAK, December, 2014

Competition, ODTU-OSA ve TFD Fotoğraf Yarışması, Orta Doğu Teknik Üniversitesi, July, 2007

Competition, 2005 Dünya Fizik Yılı Fotoğraf Yarışması, July, 2005

Published journal articles indexed by SCI, SSCI, and AHCI

1. **An opportunity for post-harvest seafood safety: atmospheric pressure air or helium cold plasma to control *Salmonella Enteritidis* in sea bass**
Üçok D., Akan T., Kartal S., Tosun Ş. Y., Mol S., Coşansu S., Doğruyol H., Ulusoy Ş., Bostan K.
INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY, vol.1, no.1, pp.1, 2024 (SCI-Expanded)
2. **Novel antibacterial nanoscale glass surfaces coated with vanadium pentoxide/phosphorus pentoxide (V₂O₅-P₂O₅) thin film by the thermionic vacuum arc plasma**
Kişla D., Akan T., Gökmen G. G., Durmuş Ç.
Journal of Non-Crystalline Solids: X, vol.625, pp.1-11, 2024 (SCI-Expanded)
3. **Current approaches in water-assisted systems for foodborne microbial inactivation: A review**
Gökmen G. G., Rathod N. B., Guzik P., Kulawik P., Akan T., Kişi D., Ozogul F.
TRENDS IN FOOD SCIENCE AND TECHNOLOGY, vol.143, no.1, pp.1-26, 2024 (SCI-Expanded)
4. **The effect of various surface treatments on the repair bond strength of denture bases produced by digital and conventional methods**
Şahin Z., Özer N. E., Akan T., Kılıçarslan M. A., Karaağaçlıoğlu L.
ODONTOLOGY / THE SOCIETY OF THE NIPPON DENTAL UNIVERSITY, vol.1, no.1, pp.1, 2023 (SCI-Expanded)
5. **Oxygen plasma treatment of TeO₂—B₂O₃ (boro-tellurite) thin films**
Demirkol U., Durmuş Ç., Akan T.
JOURNAL OF VACUUM SCIENCE AND TECHNOLOGY A, vol.41, no.6, pp.1-12, 2023 (SCI-Expanded)
6. **A surface dielectric barrier discharge reactor for biological treatments**
Akan T., Durmuş Ç.
JOURNAL OF ELECTROSTATICS, vol.126, pp.1-7, 2023 (SCI-Expanded)
7. **Antibiofilm Efficacies of Direct and Remote Plasmas and Plasma-Treated Water on Extremophile *Halomonas caseinilytica***

- Akan T., Çabuk A., Aytar Çelik P., Yavaş E. S., Durmuş Ç.
IEEE TRANSACTIONS ON RADIATION AND PLASMA MEDICAL SCIENCES, vol.1, pp.1, 2023 (SCI-Expanded)
8. **Cold plasma application to fresh green leafy vegetables: Impact on microbiology and product quality**
Özdemir E., Başaran P., Kartal S., Akan T.
COMPREHENSIVE REVIEWS IN FOOD SCIENCE AND FOOD SAFETY, vol.22, no.1, pp.4484-4515, 2023 (SCI-Expanded)
9. **Recent developments in antimicrobial surface coatings: Various deposition techniques with nanosized particles, their application and environmental concerns**
Kışla D., Gökmen G. G., Akdemir Evrendilek G., AKAN T., Vlčko T., Kulawik P., Režek Jambrak A., ÖZOĞUL F.
Trends in Food Science and Technology, vol.135, pp.144-172, 2023 (SCI-Expanded)
10. **TeO₂-ZnO (tellurium oxide – Zinc oxide) thin film deposition by the thermionic vacuum arc plasma**
Akan T., Demirkol U., Durmuş Ç.
PHYSICA B: CONDENSED MATTER, vol.654, no.414694, pp.1-8, 2023 (SCI-Expanded)
11. **Vanadium pentoxide thin films deposited by the thermionic vacuum arc plasma**
Durmuş Ç., AKAN T.
Thin Solid Films, vol.770, 2023 (SCI-Expanded)
12. **Effects of Air and Helium Cold Plasma on Sensory Acceptability and Quality of Fresh Sea Bass (*Dicentrarchus labrax*)**
Mol S., AKAN T., KARTAL S., Coşansu S., TOSUN Ş. Y., Alakavuk D. Ü., ULUSOY Ş., DOĞRUYOL BAYAR H., Bostan K.
Food and Bioprocess Technology, vol.16, no.3, pp.537-548, 2023 (SCI-Expanded)
13. **Antibacterial Efficiency of Cadmium Thin Films Deposited by the Thermionic Vacuum Arc**
Akan T., Kışla D., Gökmen G. G., Durmuş Ç.
SURFACE AND COATINGS TECHNOLOGY, vol.456, pp.1-8, 2023 (SCI-Expanded)
14. **Effect of nonthermal argon plasma treatment on the surface properties and phase transformation of zirconia**
Etibarlı N., ÜSTÜN Ö., AKAN T.
Journal of oral science, vol.65, no.2, pp.136-140, 2023 (SCI-Expanded)
15. **Direct-Contact and Contact-free Treatment of a DBD-like Non-thermal Atmospheric Pressure Plasma Jet on *Pseudomonas aeruginosa***
Akan T., Çabuk A., Aytar Çelik P., Yavaş E. S., Durmuş Ç.
ROMANIAN BIOTECHNOLOGICAL LETTERS, vol.27, no.3, pp.3498-3506, 2022 (SCI-Expanded)
16. **kHz Plasma Pencil**
Akan A., Şahin E.
TECHNICAL PHYSICS LETTERS, vol.48, no.4, pp.1-4, 2022 (SCI-Expanded)
17. **The effect of nonthermal argon plasma surface treatment on the fracture resistance of monolithic zirconia restorations containing tetragonal and cubic grains**
Bozogullari H. N., Yucel H. C., ÜSTÜN Ö., AKAN T., Ozer F.
Journal of Oral Science, vol.64, no.2, pp.124-128, 2022 (SCI-Expanded)
18. **Deposition of cadmium (II) oxide-reinforced VP glassy thin films by thermionic vacuum arc (TVA) and structural characterization**
İLİK E., Durmus C., KILIÇ G., Gokhan Issever U. G., AKAN T.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.12, pp.16311-16323, 2021 (SCI-Expanded)
19. **Adding Water Droplets Into Atmospheric Pressure Plasma Jet of Helium**
İlik E., Durmus C., Akan T.
IEEE TRANSACTIONS ON PLASMA SCIENCE, vol.47, pp.5000-5005, 2019 (SCI-Expanded)
20. **Applying on *Bacillus cereus* of Low-Pressure and Low-Temperature Plasma Jet in a Postdischarge Chamber**
Akan T.
IEEE TRANSACTIONS ON RADIATION AND PLASMA MEDICAL SCIENCES, vol.1, no.5, pp.468-471, 2017 (SCI-Expanded)

21. **Optical properties of the atmospheric pressure helium plasma jet generated by alternative current (a.c.) power supply**
İlik E., Akan T.
PHYSICS OF PLASMAS, vol.23, 2016 (SCI-Expanded)
22. **Indirect plasma inactivation by a low temperature atmospheric pressure plasma (LTAPP) system**
AKAN T., ÇABUK A.
JOURNAL OF ELECTROSTATICS, vol.72, no.3, pp.218-221, 2014 (SCI-Expanded)
23. **Boron processes using thermionic vacuum arc**
AKAN T., Karakas E.
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.8, pp.480-482, 2014 (SCI-Expanded)
24. **Cold Plasma Technology Bactericidal Effects On Geobacillus Stearothermophilus And Bacillus Cereus Microorganisms**
Morris A. D., Mccombs G. B., Akan T., Hynes W. L., Laroussi M., Tolle S. L.
JOURNAL OF DENTAL HYGIENE : JDH / AMERICAN DENTAL HYGIENISTS' ASSOCIATION, vol.83, no.2, pp.55-61, 2009 (SCI-Expanded)
25. **The plasma pencil: A source of hypersonic cold plasma bullets for biomedical applications**
Laroussi M., Hynes W., AKAN T., Lu X., Tendero C.
IEEE TRANSACTIONS ON PLASMA SCIENCE, vol.36, no.4, pp.1298-1299, 2008 (SCI-Expanded)
26. **Titanium oxidation by pulsed oxygen plasma**
Balbag M. Z., Pat S., Cenik I., Ekem N., AKAN T., BAKSAN B., Vladoiu R., Musa G.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.10, no.3, pp.680-682, 2008 (SCI-Expanded)
27. **MgB₂ superconducting thin films sequentially fabricated using DC magnetron sputtering and thermionic vacuum arc method**
Okur S., Kalkancı M., Pat S., Ekem N., Akan T., Balbag Z., Musa G., Tanoglu M.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.466, pp.205-208, 2007 (SCI-Expanded)
28. **Arc-free atmospheric pressure cold plasma jets: A review**
Laroussi M., AKAN T.
PLASMA PROCESSES AND POLYMERS, vol.4, no.9, pp.777-788, 2007 (SCI-Expanded)
29. **Study of metal and ceramic thermionic vacuum arc discharges**
AKAN T., Demirkol S., Ekem N., Pat S., Musa G.
PLASMA SCIENCE & TECHNOLOGY, vol.9, no.3, pp.280-283, 2007 (SCI-Expanded)
30. **Carbon synthesis in methane plasma**
Musa G., Ekem N., Pat S., Balbag M. Z., Cenik M. I., AKAN T., Ciupina V., Vladoiu R., Tanisli M., Ozen O.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.9, no.4, pp.871-874, 2007 (SCI-Expanded)
31. **Boron evaporation and related difficulties**
Balbag M. Z., Pat S., Cenik M. I., AKAN T., Ekem N., Musa G.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.9, no.4, pp.858-861, 2007 (SCI-Expanded)
32. **Investigation of carbon produced by methane pulsed discharge**
Musa G., Ekem N., Akan T., Pat S., Balbağ M. Z., Cenik M. İ., Vladoiu R., Tanışlı M., Özén Ö.
PHYSICA STATUS SOLIDI C: CURRENT TOPICS IN SOLID STATE PHYSICS, VOL 14 NO 5, vol.4, no.2, pp.521-523, 2007 (SCI-Expanded)
33. **Boron thin film deposition by using Thermionic Vacuum Arc (TVA) technology**
AKAN T., Ekem N., Pat S., İŞSEVER U. G., Balbag M. Z., Cenik M. I., Vladoiu R., Musa G.
MATERIALS LETTERS, vol.61, no.1, pp.23-26, 2007 (SCI-Expanded)
34. **Sterilization of *Staphylococcus aureus* by atmospheric pressure pulsed plasma**
Ekem N., AKAN T., Akgun Y., Kiremitci A., Pat S., Musa G.
SURFACE & COATINGS TECHNOLOGY, vol.201, pp.993-997, 2006 (SCI-Expanded)
35. **Plasma Sterilization Using the High Voltage Pulsed Discharge at Atmospheric Pressure**
Akan T., Naci E., Akgün Y., Kiremitçi A., Çabuk A., Pat S., Musa G.
JOURNAL OF APPLIED SCIENCES, vol.6, no.7, pp.1566-1570, 2006 (SCI-Expanded)

36. **Characteristics of boron thin films obtained by TVA technology**
 Musa G., Vladoiu R., Ciupina V., Lungu C., Mustata I., Pat S., AKAN T., Ekem N.
 JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.8, no.2, pp.617-620, 2006 (SCI-Expanded)
37. **SURFACE CHARGE INFLUENCE ON THE BREAKDOWN VOLTAGE IN HE**
 Akan T., Ciupina V., Vladoiu R., Musa G.
 SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.24, no.2, pp.45-49, 2006 (SCI-Expanded)
38. **Studies on the thermionic vacuum arc discharges in the vapors of Cu-Ag and Cu-Sn alloys**
 AKAN T., Ekem N., Pat S., Vladoiu R., Musa G.
 JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.7, no.5, pp.2489-2494, 2005 (SCI-Expanded)
39. **Al₂O₃ THIN FILM DEPOSITION USING THERMIONIC VACUUM ARC**
 Akan T., Karakas E., Musa G.
 SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.23, no.3, pp.18-23, 2005 (SCI-Expanded)
40. **Study on Termionic Vacuum ARC- A novel and advanced technology for surface coating**
 PAT S., Ekem N., AKAN T., Küsmüş Ö., Demirkol S., Vladoiu R., Lungu C., Musa G.
 Journal of Optoelectronics and Advanced Materials, vol.7, no.5, pp.2495-2499, 2005 (SCI-Expanded)
41. **Variation in thickness of copper films deposited at various distances and angles using the thermionic vacuum arc**
 AKAN T., Ekem N.
 Turkish Journal of Physics, vol.27, no.3, pp.219-224, 2003 (SCI-Expanded)
42. **Operation parameters of the thermionic vacuum arc discharge**
 AKAN T.
 Turkish Journal of Physics, vol.27, no.1, pp.69-75, 2003 (SCI-Expanded)

Articles Published in Other Journals

1. **Development of A New Device For Applying Atmospheric Pressure Cold Plasma on Foods**
 Akan T., Kartal S., Mol Tokay S., Coşansu Akdemir S., Tosun Ş. Y., Üçok Alakavuk D., Ulusoy Ş., Doğruyol H., Bostan K.
 Food and Environment Safety, vol.21, no.4, pp.321-332, 2022 (Peer-Reviewed Journal)
2. **AL YAZMALIM**
 Akan T.
 ÇINARALTI Dergisi, vol.7, no.17, pp.12-14, 2022 (Non Peer-Reviewed Journal)
3. **DUMAN**
 Akan T.
 ÇINARALTI, no.16, pp.10-12, 2021 (Non Peer-Reviewed Journal)
4. **Investigation on Optical Properties of Atmospheric Pressure Plasma Jets of N₂ Gas**
 İlilik E., Durmuş Ç., Akan T.
 Adiyaman Üniversitesi Fen Bilimleri Dergisi, vol.10, no.1, pp.326-338, 2020 (Peer-Reviewed Journal)
5. **Zamanın Ruhu: Çağımızın Fiziği Ne Söylüyor**
 Akan T.
 ÇINARALTI, no.13, pp.8-10, 2019 (Non Peer-Reviewed Journal)
6. **Çağımızın Bilgi Düzeyi ve İnançlarımız/Düşüncelerimiz**
 Akan T.
 ÇINARALTI, no.12, pp.4-6, 2018 (Non Peer-Reviewed Journal)
7. **Düşünmek-Düşlemek**
 Akan T.
 ÇINARALTI, no.11, pp.8-10, 2018 (Non Peer-Reviewed Journal)
8. **Gerçek ve Hayal**
 Akan T.
 ÇINARALTI, no.9, pp.8-10, 2018 (Non Peer-Reviewed Journal)
9. **Applying on Bacillus cereus of Low-Pressure and Low-Temperature Plasma Jet in a Postdischarge**

Chamber

- İlik E., Aytar Çelik P., Toptas Y., Çabuk A., Akan T.
IEEE TRANSACTIONS ON RADIATION AND PLASMA MEDICAL SCIENCES, vol.1, no.5, pp.468-471, 2017 (ESCI)
10. **He Gaz Deşarjlarında Yüzey Polarizasyon Yüklerinin İncelenmesi**
Akan T., Ciupina V., Vladoiu R., Musa G.
Afyon Kocatepe Üniversitesi Fen Bilimleri Dergisi, vol.7, no.1, pp.81-88, 2008 (Peer-Reviewed Journal)
11. **Biyolojik Tehlikelere Karşı Soğuk Plazma**
Akan T.
Bilim ve Teknik, no.478, pp.62-64, 2007 (Non Peer-Reviewed Journal)
12. **Thermal Image of Copper-Sepiolite Surface Using Multi Channel Thermal Microscope**
Akan T.
Balkan Physics Letters, vol.15, no.2, pp.51-58, 2007 (Peer-Reviewed Journal)
13. **Emission Spectra of Two Interacting Plasmas**
Musa G., Bob C. S., Vladoiu R., Ekem N., Cenik İ., PAT S., BALBAĞ M. Z., AKAN T.
Sixth International Conference of the Balkan Physical Union, vol.899, no.1, pp.693, 2007 (Peer-Reviewed Journal)
14. **Optical Emission Spectra of Plasma Display Panel**
PAT S., Musa G., Ekem N., Bob C. s., BALBAĞ M. Z., İlker C., AKAN T., Aydin O.
Sixth International Conference of the Balkan Physical Union, vol.899, no.1, pp.691, 2007 (Peer-Reviewed Journal)
15. **Investigation of the Carbon Produced by Methane Pulsed Discharge**
Musa G., Ekem N., AKAN T., PAT S., BALBAĞ M. Z., Cenik İ., Victor C., Vladoiu R., Özen Ö.
Sixth International Conference of the Balkan Physical Union, vol.899, pp.692, 2007 (Peer-Reviewed Journal)
16. **Analysis of Sterilization Effect of Atmospheric Pressure Pulsed Plasma**
Ekem N., AKGÜN Y., KİREMİTÇİ A., AKAN T., PAT S., Musa G.
Sixth International Conference of the Balkan Physical Union, vol.899, pp.702, 2007 (Peer-Reviewed Journal)
17. **Investigation of Properties of Boron Thin Film Deposited By Thermionic Vacuum Arc Technology**
EKEM N., AKAN T., PAT S., BALBAĞ M. Z., Cenik İ., Erdinç K., Vladoiu R., Musa G.
Sixth International Conference of the Balkan Physical Union., vol.899, no.1, pp.699, 2007 (Peer-Reviewed Journal)
18. **Virüslere Karşı Soğuk Savaş Dönemi**
Akan T.
Aktüel Dergisi, no.115, pp.30-32, 2007 (Non Peer-Reviewed Journal)
19. **Anot Metalı Buharlarında Plazma Üreten Yeni Teknik Termiyonik Vakum Ark (TVA)**
Akan T., Ekem N.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.8, no.3, pp.109-118, 2006 (Peer-Reviewed Journal)
20. **The Plasma Pencil: A Novel Pulsed Plasma Source**
Akan T., Laroussi M.
Bulletin of The American Physical Society, vol.51, no.5, pp.33, 2006 (Non Peer-Reviewed Journal)
21. **Cu-Ag Alloy Process Using the Thermionic Vacuum Arc System**
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Academic and Administrative Experience

2024 - Continues	Head of Department	Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Fen Bil. Enst. Md. Lüğü
2024 - Continues	Fakülte Kurulu Üyesi	Eskisehir Osmangazi University, Fen Fakültesi
2024 - Continues	Head of Department	Eskisehir Osmangazi University, Fen Fakültesi, Fizik Bölümü
2020 - Continues	Danışma Kurulu Üyesi	Eskisehir Osmangazi University, Rektörlük
2018 - Continues	Bölüm Tanıtım ve Mezunlarla İlişkiler Komisyonu Başkanı	Eskisehir Osmangazi University, Fen Fakültesi, Fizik Bölümü
2009 - Continues	Farabi Program Institutional Coordinator	Eskisehir Osmangazi University, Fen Fakültesi, Fizik Bölümü
2021 - 2022	Head of Department	Eskisehir Osmangazi University, Fen Fakültesi, Fizik Bölümü
2018 - 2021	Head of Department	Eskisehir Osmangazi University, Fen Fakültesi, Fizik Bölümü
2013 - 2016	Head of Department	Eskisehir Osmangazi University, Fen Fakültesi, Fizik Bölümü
2010 - 2013	Fakülte Yönetim Kurulu Üyesi	Eskisehir Osmangazi University, Ziraat Fakültesi
2010 - 2013	Fakülte Kurulu Üyesi	Eskisehir Osmangazi University, Ziraat Fakültesi
2010 - 2013	Program Değerlendirme Kurulu Üyesi	Eskisehir Osmangazi University, Fen Fakültesi, Fizik Bölümü
2010 - 2013	Head of Department	Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Fizik Bölümü
2010 - 2011	Deputy Head of Department	Eskisehir Osmangazi University, Fen Fakültesi, Fizik Bölümü

Courses

YÜKSEK LİSANS TEZ ÇALIŞMASI, Postgraduate, 2023 - 2024, 2022 - 2023
PLAZMA FİZİĞİNE GİRİŞ, Undergraduate, 2023 - 2024
UZMANLIK ALAN DERSİ (DR), Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

DOKTORA TEZ ÇALIŞMASI, Doctorate, 2023 - 2024, 2022 - 2023
ATMOSFERİK BASINÇ PLAZMALARI II, Undergraduate, 2023 - 2024, 2022 - 2023
UZMANLIK ALAN DERSİ (YL), Postgraduate, 2023 - 2024, 2022 - 2023, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
FİZİKTE NOBEL ÖDÜLLERİ, Undergraduate, 2023 - 2024
ATMOSFERİK BASINÇ PLAZMA, Undergraduate, 2023 - 2024
ATMOSFER FİZİĞİNE GİRİŞ, Undergraduate, 2022 - 2023
PHYSICS I LAB, Undergraduate, 2023 - 2024
FİZİK, Undergraduate, 2023 - 2024
PLAZMA MATERİYAL İŞLEME I, Doctorate, 2023 - 2024, 2019 - 2020, 2018 - 2019, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012
ELEKTROMANYETİK TEORİ, Undergraduate, 2023 - 2024
PHYSICS II, Undergraduate, 2022 - 2023, 2021 - 2022, 2015 - 2016, 2014 - 2015
PHYSICS II LAB, Undergraduate, 2022 - 2023, 2009 - 2010
İSTATİSTİKSEL MEKANİK VE UYGULAMALARI, Doctorate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
PHYSICS I (A), Undergraduate, 2022 - 2023, 2021 - 2022
ATMOSFERİK BASINÇ PLAZMALARI I (A), Undergraduate, 2022 - 2023
PHYSICS II, Undergraduate, 2021 - 2022, 2015 - 2016
NÜKLEER FİZİK II, Undergraduate, 2021 - 2022
PHYSICS I (B), Undergraduate, 2021 - 2022, 2014 - 2015
Physics I, Undergraduate, 2021 - 2022
Nükleer Fizik I, Undergraduate, 2021 - 2022
Physics I, Undergraduate, 2021 - 2022
PLAZMA MATERİYAL İŞLEME II, Doctorate, 2019 - 2020, 2018 - 2019, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
SOĞUK PLAZMALAR I, Postgraduate, 2020 - 2021, 2016 - 2017, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012
FİZİKTE BİLİM TARİHİ I, Undergraduate, 2020 - 2021
SOĞUK PLAZMALAR II, Postgraduate, 2019 - 2020, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
ELEKTROMANYETİK TEORİ I, Undergraduate, 2018 - 2019, 2014 - 2015, 2013 - 2014, 2012 - 2013
ELEKTROMANYETİK TEORİ II, Undergraduate, 2018 - 2019, 2014 - 2015, 2013 - 2014, 2012 - 2013
FİZİK I(İ.Ö.), Undergraduate, 2017 - 2018
FİZİK II, Undergraduate, 2017 - 2018
KLASİK MEKANİK I, Undergraduate, 2017 - 2018
KLASİK MEKANİK II, Undergraduate, 2017 - 2018
MODERN FİZİK, Undergraduate, 2017 - 2018
FİZİK II(İ.Ö.), Undergraduate, 2017 - 2018
MODERN FİZİK LAB, Undergraduate, 2017 - 2018
FİZİK I (B), Undergraduate, 2018 - 2019, 2014 - 2015
FİZİK I, Undergraduate, 2017 - 2018, 2016 - 2017
FİZİK I (B), Undergraduate, 2018 - 2019, 2015 - 2016
FİZİK A, Undergraduate, 2017 - 2018
ATMOSFERİK BASINÇ PLAZMALAR II, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
ATMOSFERİK BASINÇ PLAZMALARI I, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
ATMOSFER FİZİĞİ, Undergraduate, 2014 - 2015, 2013 - 2014, 2011 - 2012, 2010 - 2011
ATMOSFERİK BASINÇ PLAZMALAR II, Undergraduate, 2013 - 2014, 2011 - 2012, 2010 - 2011, 2009 - 2010
FİZİK I LAB (B), Undergraduate, 2013 - 2014
ELEKTROMANYETİK TEORİ II, Undergraduate, 2012 - 2013
İSTATİSTİK FİZİK, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009

ELEKTRO MANYETİK TEORİ I, Undergraduate, 2012 - 2013
ATMOSFERİK BASINÇ PLAZMALAR I, Undergraduate, 2012 - 2013, 2010 - 2011, 2009 - 2010
TERMODİNAMİK, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010
İSTATİSTİK FİZİK, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009
ÖĞRETMENLİK UYGULAMASI, Undergraduate, 2011 - 2012
FİZİK I LAB (A), Undergraduate, 2011 - 2012
FİZİK I (B), Undergraduate, 2011 - 2012, 2010 - 2011
TERMODİNAMİK, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010
FİZİK I LAB (B), Undergraduate, 2011 - 2012, 2010 - 2011
FİZİK (A), Undergraduate, 2010 - 2011, 2009 - 2010
PHYSICS I LAB (A), Undergraduate, 2009 - 2010

Advising Theses

Karaduman Y., Akan T., Soğuk Atmosferik Plasma Uygulamasının Tritikale Unlarının Gluten Kalitesi ile Bazı Biyoaktif Bileşenleri Üzerine Etkisi, Postgraduate, K.KAYHAN(Student), Continues
Kişla D., Akan T., Investigation of Antimicrobial Characteristics of the Surfaces Coated with Amorphous Metal Alloy (Ba1Si) Synthesized by Boron (B), Aluminum (Al) and Silicon (Si) Nanoparticles, Doctorate, G.Gurur(Student), Continues
Akan T., Molibden Temelli Yenilikçi Malzemelerin Plazma Destekli Teknolojilerle Üretilmesi, Doctorate, U.DEMİRKLÖL(Student), Continues
Çabuk A., Akan T., Investigation of Inactivation Mechanisms of Atmospheric Cold Plasma Application on Bacterial Biofilms, Doctorate, S.Yavaş(Student), Continues
Akan T., Production of Thin Films of Vanadium Compounds by Thermionic Vacuum Arc and Investigation of Some Properties, Doctorate, Ç.DURMUŞ(Student), Continues
Akan T., Yeni Bir Yüzey Dielektrik Bariyer Deşarj Plazma Üretim Cihazı , Postgraduate, K.YUDAR(Student), Continues
Akan T., Kilohertz Plasma Pencil, Doctorate, E.ŞAHİN(Student), 2022
Akan T., Production and Investigation of Nitrogen Gas Discharges, Postgraduate, Ç.DURMUŞ(Student), 2018
Akan T., Production of Cold Flowing Post-Discharge Plasma Reactors and Investigation on Their Some Properties, Doctorate, E.İLİK(Student), 2017
Akan T., Argon Plasma Jet Generation, Postgraduate, O.KESKİN(Student), 2017
Akan T., The Investigation of Luminescent Discharge Characteristics, Postgraduate, E.FURKAN(Student), 2016
Akan T., The Investigation of Plasmas Flowed to Another Post-Discharge Chamber at Low Pressure, Postgraduate, Y.YUNUS(Student), 2015
Akan T., Application On Bacteria of Air DC Post-Discharge Plasma at Low Pressure and Temperature, Postgraduate, K.KOLBAY(Student), 2014
Akan T., Atmospheric pressure plasma jets, Postgraduate, E.DALLI(Student), 2013

Memberships / Tasks in Scientific Organizations

ESOGÜ Translasyonel Tıp Uygulama ve Araştırma Merkezi, Member of Science Committee, 2021 - Continues, Turkey
Türk Fizik Derneği Eskişehir Temsilciliği, Chairman, 2016 - Continues, Turkey
Türk Fizik Derneği, Member, 1994 - Continues, Turkey
Türk Fizik Derneği, Executive Board Member, 2013 - 2019, Turkey
Türk Fizik Derneği Ankara Şubesi, Chairman, 2014 - 2016, Turkey
Balkan Fizik Birliği, Member, 1994 - 1996, Turkey

Scientific Refereeing

TUBITAK Project, 1501 - Industry R & D Projects Support Program, BIOMEDAP BİYOMEDİKAL MEDİKAL TİBBİ CİHAZ ELEKTRİK ELEKTRONİK KİMYA ARGE ÜRETİM İTH. İHR. SAN. VE TİC. LTD. ŞTİ. (ISPARTA), Türkiye, Turkey, December 2023

SCIENTIFIC REPORTS, SCI Journal, November 2023

INNOVATIVE FOOD SCIENCE AND EMERGING TECHNOLOGIES, SCI Journal, November 2023

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Turkey, October 2023

JOURNAL OF PROSTHODONTICS, Journal Indexed in SCI-E, September 2023

JOURNAL OF VACUUM SCIENCE AND TECHNOLOGY A, SCI Journal, July 2023

SOLID STATE SCIENCES, Journal Indexed in SCI-E, June 2023

IEEE TRANSACTIONS ON PLASMA SCIENCE, SCI Journal, May 2023

MATERIALS LETTERS, SCI Journal, May 2023

MATERIALS LETTERS, SCI Journal, March 2023

IEEE TRANSACTIONS ON PLASMA SCIENCE, SCI Journal, January 2023

PHYSICS OF PLASMAS, SCI Journal, September 2022

MATERIALS LETTERS, SCI Journal, May 2022

IEEE TRANSACTIONS ON PLASMA SCIENCE, Journal Indexed in SCI-E, May 2022

Journal Of Optoelectronics And Advanced Materials, Journal Indexed in SCI-E, March 2022

IEEE Transactions On Plasma Science, SCI Journal, March 2022

IEEE TRANSACTIONS ON PLASMA SCIENCE, SCI Journal, March 2022

MATERIALS LETTERS, Journal Indexed in SCI-E, January 2022

IEEE TRANSACTIONS ON PLASMA SCIENCE, SCI Journal, November 2021

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, DAVİTAP MÜH., Turkey, November 2021

PARTICULATE SCIENCE AND TECHNOLOGY, SCI Journal, August 2021

IEEE TRANSACTIONS ON PLASMA SCIENCE, SCI Journal, August 2021

the Open Dentistry Journal, Journal Indexed in ESCI, August 2021

Innovative Food Science & Emerging Technologies, Journal Indexed in SCI-E, August 2021

MATERIALS LETTERS, SCI Journal, July 2021

INNOVATIVE FOOD SCIENCE & EMERGING TECHNOLOGIES, SCI Journal, July 2021

INNOVATIVE FOOD SCIENCE & EMERGING TECHNOLOGIES, SCI Journal, June 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Turkey, June 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Turkey, June 2021

TUBITAK Project, 1005 - National New Ideas and Products Research Support Program, TÜBİTAK, Turkey, June 2021

Project Supported by Higher Education Institutions, BAP PhD, Ankara University, Turkey, June 2021

TUBITAK Project, 2236 - Program for Supporting International Researchers, Yıldız Technical University, Turkey, April 2021

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Turkey, April 2021

MATERIALS LETTERS, SCI Journal, January 2021

Bursa Uludağ Üniversitesi Ziraat Fakültesi Dergisi (Online), National Scientific Refreed Journal, January 2021

INNOVATIVE FOOD SCIENCE & EMERGING TECHNOLOGIES, SCI Journal, January 2021

TUBITAK Project, 3501 - National Young Researcher Career Development Program, Turkey, September 2020

TUBITAK Project, 1005 - National New Ideas and Products Research Support Program, Turkey, June 2020

TUBITAK Project, 1002 - Quick Support Program, Turkey, April 2020

Scientific Publication, ETİK DEĞERLENDİRME KOMİSYONU, Eskişehir Technical University, Turkey, March 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Turkey, January 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Eskisehir Osmangazi University, Turkey, January 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Turkey, October 2019

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Turkey, May 2019

TUBITAK Project, 3501 - National Young Researcher Career Development Program, Turkey, March 2019

IEEE TRANSACTIONS ON PLASMA SCIENCE, SCI Journal, September 2018

INNOVATIVE FOOD SCIENCE & EMERGING TECHNOLOGIES, SCI Journal, August 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Turkey, July 2018
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, SCI Journal, June 2018
CANADIAN JOURNAL OF PHYSICS, SCI Journal, February 2018
MATERIALS LETTERS, SCI Journal, January 2018
AFYON KOCATEPE ÜNİVERSİTESİ FEN VE MÜHENDİSLİK BİLİMLERİ DERGİSİ, National Scientific Refreed Journal, December 2017
IEEE TRANSACTIONS ON PLASMA SCIENCE, SCI Journal, November 2017
CANADIAN JOURNAL OF PHYSICS, SCI Journal, October 2017
PHYSICS OF PLASMAS, SCI Journal, September 2017
PHYSICS OF PLASMAS, SCI Journal, July 2017
IEEE TRANSACTIONS ON PLASMA SCIENCE, SCI Journal, May 2017
MATERIALS LETTERS, SCI Journal, February 2017
PARTICULATE SCIENCE AND TECHNOLOGY, SCI Journal, October 2016
IEEE TRANSACTIONS ON PLASMA SCIENCE, SCI Journal, May 2016
JOURNAL OF ELECTROSTATICS, SCI Journal, November 2015
IEEE TRANSACTIONS ON PLASMA SCIENCE, SCI Journal, October 2015
IEEE TRANSACTIONS ON PLASMA SCIENCE, SCI Journal, October 2014
JOURNAL OF ELECTROSTATICS, SCI Journal, July 2014
JOURNAL OF ELECTROSTATICS, SCI Journal, July 2014
MATERIALS LETTERS, SCI Journal, January 2014
IEEE TRANSACTIONS ON PLASMA SCIENCE, SCI Journal, December 2013
JOURNAL OF ELECTROSTATICS, SCI Journal, November 2013
MATERIALS LETTERS, SCI Journal, January 2013
MATERIALS LETTERS, SCI Journal, November 2012
MATERIALS LETTERS, SCI Journal, September 2012
Journal Of Electrostatics, Journal Indexed in SCI-E, September 2012
MATERIALS LETTERS, SCI Journal, June 2012
MATERIALS LETTERS, SCI Journal, April 2012
JOURNAL OF ELECTROSTATICS, SCI Journal, March 2012
surface and Coatings Technology, Other Indexed Journal, February 2011
MATERIALS LETTERS, SCI Journal, December 2010
MATERIALS LETTERS, SCI Journal, July 2010
JOURNAL OF FOOD ENGINEERING, SCI Journal, March 2008
Surface and Coatings Technology, Other Indexed Journal, July 2007
Sigma Mühendislik ve Fen Bilimleri Dergisi, Other Journals, April 2006

Scientific Consultations

Anadolu Üniversitesi, Project Consultancy, Eskisehir Osmangazi University, Fen Fakültesi, Fizik Bölümü, Turkey, 2014 - 2016

Tasks In Event Organizations

Akan T., 40th International Physics Congress of the Turkish Physical Society , Scientific Congress, Turkey, Eylül 2024
Akan T., Turkish Physical Society 36th International Physics Congress, Scientific Congress, İstanbul, Turkey, Eylül 2020
Akan T., Turkish Physical Society 35th International Physics Congress, Scientific Congress, Muğla, Turkey, Eylül 2019
Akan T., Turkish Physical Society 34th International Physics Congress , Scientific Congress, Muğla, Turkey, Eylül 2018
Atay F., KÜRKÇÜOĞLU G. S., AKAN T., VI. ULUSAL GÜNEŞ VE HİDROJEN ENERJİSİ KONGRESİ, Scientific Congress, Eskişehir, Turkey, Mayıs 2018

Akan T, Turkish Physical Society 33rd International Physics Congress , Scientific Congress, Muğla, Turkey, Eylül 2017
Akan T, Turkish Physical Society 32nd International Physics Congress , Scientific Congress, Muğla, Turkey, Eylül 2016
Atay F, KÜRKÇÜOĞLU G. S., AKAN T., KURTARAN S., V. ULUSAL GÜNEŞ VE HİDROJEN ENERJİSİ KONGRESİ, Scientific Congress, Eskişehir, Turkey, Mayıs 2016
Akan T, KURTARAN S., Adım Fizik Günleri V, Scientific Congress, Eskişehir, Turkey, Nisan 2016
Akan T, 9th International Physics Conference of the Balkan Physical Union , Scientific Congress, İstanbul, Turkey, Ağustos 2015
Akan T, The 42nd IEEE International Conference on Plasma Science, Head of Session of High-Pressure and Thermal Plasma Processing, Scientific Congress, Antalya, Turkey, Mayıs 2015
Akan T, 31. Uluslar arası TFD Fizik Kongresi , Scientific Congress, Muğla, Turkey, Temmuz 2014
Atay F, KÜRKÇÜOĞLU G. S., AKAN T., IV. ULUSAL GÜNEŞ VE HİDROJEN ENERJİSİ KONGRESİ, Scientific Congress, Eskişehir, Turkey, Mayıs 2014
Akan T, 1. Uluslar arası Plazma Teknolojileri Kongresi , Scientific Congress, Kayseri, Turkey, Nisan 2014
Akan T, First International Middle East Plasma Science Conference , Scientific Congress, Antalya, Turkey, Nisan 2014
Akan T, Adım Fizik Günleri III, Scientific Congress, Isparta, Turkey, Nisan 2014
Akan T, 30. Uluslar arası TFD Fizik Kongresi, Scientific Congress, İstanbul, Turkey, Eylül 2013
Akan T, 29. Uluslar arası TFD Fizik Kongresi, Scientific Congress, Muğla, Turkey, Eylül 2012
Akan T, III. Ulusal Güneş ve Hidrojen Sempozyumu , Scientific Congress, Eskişehir, Turkey, Haziran 2012
Akan T, 28. Uluslar arası TFD Fizik Kongresi, Scientific Congress, Muğla, Turkey, Eylül 2011
Akan T, I. MYOMAT , Scientific Congress, Eskişehir, Turkey, Temmuz 2009
Akan T, II. Ulusal Güneş ve Hidrojen Sempozyumu , Scientific Congress, Eskişehir, Turkey, Temmuz 2008
Akan T, 6. BPU-Uluslar arası Fizik Konferansı , Scientific Congress, İstanbul, Turkey, Ağustos 2006
Akan T, I. Ulusal Güneş ve Hidrojen Sempozyumu, Scientific Congress, Eskişehir, Turkey, Temmuz 2006
Akan T, 2005 Dünya Fizik Yılı ile ilgili ESOGU Basın Toplantısı, Social Activities, Eskişehir, Turkey, Mart 2005

Mobility Activity

Post Doc, Post Doc, Old Dominion University, United States Of America, 2006 - 2007
Bilateral Colloboration Agreement, Guest Researcher, "Costanta-Ovidius Üniversitesi", Romania, 2003 - 2005
Bilateral Colloboration Agreement, Guest Researcher, National Institute for Laser Plasma and Radiation Physics, Romania, 1998 - 2005

Metrics

Publication: 158
Citation (WoS): 841
Citation (Scopus): 1011
H-Index (WoS): 10
H-Index (Scopus): 11

Invited Talks

Soğuk Plazmaların Biyolojik Hücreler, Tıp, Gıda ve Ziraat Uygulamaları, Seminar, FATİH FEN LİSESİ, Turkey, October 2023
Soğuk Plazmaların Biyolojik Hücreler, Tıp, Gıda ve Ziraat Uygulamaları, Seminar, YENİ YOL OKULLARI, Turkey, June 2023
ESOGÜ Tematik Alan 1: Yenilikçi Malzeme, Biyomalzeme Teknolojileri Çalıştayı, Workshop, Eskişehir Osmangazi Üniversitesi, Turkey, January 2023
Soğuk Plazmaların Biyolojik Hücreler, Tıp, Gıda ve Ziraat Uygulamaları, Conference, Eskişehir Osmangazi Üniversitesi,

Turkey, December 2020

Eğitim ve Kariyer Yönetimi, Conference, Subaşı Hacı Ali Saruhan Lisesi, Turkey, October 2017

Kariyer Planlama ve Bilim, Conference, Şehit Piyade Astsubay Çavuş Soner ÖZÜBEK İÖO ve OÖO, Turkey, January 2016

Fizik Çözümlemeleri Poster Sunum Organizasyonu, Conference, Eskişehir Osmangazi Üniversitesi, Turkey, September 2015

Kuantum Fiziği, Conference, Eskişehir Cumhuriyet Lisesi, Turkey, January 2012

Plazma ve Uygulamaları, Conference, Boğaziçi Üniversitesi, Turkey, March 2008

Maddenin 4. Hali, Conference, Eskişehir Fen Lisesi, Turkey, May 2005

Türk Tabipler Birliği 8 Mart Dünya Kadınlar Günü Konferansı Tarihe İşmini Yazdırın Bayan Fizikçiler, Conference,

Eskişehir Osmangazi Üniversitesi, Turkey, March 2005

Research Areas

Atomic and Molecular Physics, Gases, Plasmas and Electrical Discharges Physics, Natural Sciences

Non Academic Experience

Public Corporation