

Assoc. Prof. BELGİN GENÇ ÖZTOPRAK

Personal Information

Birthyear: 2019

Place of birth: Akyazı

Office Phone: [+90 262 451 3310](tel:+902624513310) Extension: 306

Email: belgingenc@kocaeli.edu.tr

Web: <https://avesis.kocaeli.edu.tr/1433>



Education Information

Doctorate, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2007 - 2012

Post Graduate, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI), Turkey 2004 - 2007

Under Graduate, Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 2000 - 2004

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Lazer ile Oluşturulan Plazma Spektroskopi Sisteminin Tasarımı, Endüstriyel ve Biyolojik Uygulamaları, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), 2012

Post Graduate, Elektromanyetik Spektrumun X - Işını ve Görünür Bölgesinde, Ortamlardan Yayılan Fotonları Kaydetmek için Spektrometre ve Görüntüleme Sistemlerinin Tasarımı, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI), 2007

Research Areas

Physics, Atomic and Molecular Physics, Gases, Plasmas and Electrical Discharges Physics, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Atomic and Molecular Spectroscopy, Emission Spectroscopy, Chemometry, Spectroscopical Methods, Surface Analysis, Natural Sciences

Academic Titles / Tasks

Associate Professor, Kocaeli University, Havacılık Ve Uzay Bilimleri Fakültesi, Uçak Elektrik-Elektronik Bölümü, 2019 - Continues

Assistant Professor, Kocaeli University, Havacılık Ve Uzay Bilimleri Fakültesi, Uçak Elektrik-Elektronik Bölümü, 2015 - 2019

Assistant Professor, Kocaeli Üniversitesi, Sivil Havacılık Yüksekokulu, Uçak Elektrik-Elektronik Bölümü, 2013 - 2015

Expert, Kocaeli Üniversitesi, Rektörlük, 2007 - 2013

Professional Experience

Deputy Head of Department, Kocaeli Üniversitesi, Havacılık Ve Uzay Bilimleri Fakültesi, Uçak Elektrik-Elektronik Bölümü,
2015 - Continues

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

- I. **Comparison of novel surface treatments of Al 2024 alloy for al/cfrp adhesive bonded joints**
Özgür Bora M. Ö. , ÇOBAN O., AKMAN E., OZTOPRAK B., KUTLUK T.
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.103, 2020 (Journal Indexed in SCI)
- II. **Investigation of the differences between photochemical and photothermal laser ablation on the shear strength of CFRP/CFRP adhesive joints**
AKMAN E., Erdogan Y., BORA M. Ö. , ÇOBAN O., OZTOPRAK B., Demir A.
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.98, 2020 (Journal Indexed in SCI)
- III. **Laser surface treatment of CFRP composites for a better adhesive bonding owing to the mechanical interlocking mechanism**
Çoban O., Akman E., Bora M. Ö. , OZTOPRAK B., Demir A.
POLYMER COMPOSITES, vol.40, pp.3611-3622, 2019 (Journal Indexed in SCI)
- IV. **The Effect of CO2 Laser-Induced Microhole Formations on Adhesive Bonding Strength of CFRP/CFRP Joints**
Bora M. Ö. , Akman E., Çoban O., OZTOPRAK B., Demir A.
POLYMER COMPOSITES, vol.40, pp.2891-2900, 2019 (Journal Indexed in SCI)
- V. **Investigation of accumulated laser fluence and bondline thickness effects on adhesive joint performance of CFRP composites**
Akman E., Erdoğan Y., Bora M. Ö. , Çoban O., OZTOPRAK B., Demir A.
International Journal of Adhesion and Adhesives, vol.89, pp.109-116, 2019 (Journal Indexed in SCI)
- VI. **Composition analysis of medieval ceramics by laser-induced breakdown spectroscopy (LIBS)**
OZTOPRAK B., Sinmaz M. A. , Tülek F.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.122, 2016 (Journal Indexed in SCI)
- VII. **Optimization of parameters for depth resolution of galvanized steel by LIBS technique**
CANEL T., DEMİR P., KAÇAR E., OZTOPRAK B., AKMAN E., GUNES M., DEMİR A.
OPTICS AND LASER TECHNOLOGY, vol.54, pp.257-264, 2013 (Journal Indexed in SCI)
- VIII. **Study of the fragmentation phenomena of TiO2 nanoparticles produced by femtosecond laser ablation in aqueous media**
Alnassar S., Akman E., OZTOPRAK B., Kaçar E., Gündoğdu Ö., Khaleel A., Demir A.
Optics and Laser Technology, vol.51, pp.17-23, 2013 (Journal Indexed in SCI)
- IX. **Fragmentation of the gold nanoparticles using femtosecond Ti:Sapphire laser and their structural evolution**
Akman E., Aktas O., Genç ÖZTOPRAK B., Gunes M., Kaçar E., Gündoğdu Ö., Demir A.
Optics and Laser Technology, vol.49, pp.156-160, 2013 (Journal Indexed in SCI)
- X. **Evaluation of PMMA joining to stainless steel 304 using pulsed Nd:YAG laser**
Hussein F. I. , Akman E., Genç ÖZTOPRAK B., Gunes M., Gündoğdu Ö., Kaçar E., Hajim K., Demir A.
Optics and Laser Technology, vol.49, pp.143-152, 2013 (Journal Indexed in SCI)
- XI. **Laser welding of copper with stellite 6 powder and investigation using LIBS technique**
Genç ÖZTOPRAK B., Akman E., Hanon M., Gunes M., Gümüş S., Kaçar E., Gündoğdu Ö., Zeren M., Demir A.
Optics and Laser Technology, vol.45, pp.748-755, 2013 (Journal Indexed in SCI)
- XII. **Analysis and Classification of Heterogeneous Kidney Stones Using Laser-Induced Breakdown Spectroscopy (LIBS)**
OZTOPRAK B., Gonzalez J., Yoo J., Gulecen T., MUTLU N., Russo R. E. , GÜNDOĞDU Ö., DEMİR A.
APPLIED SPECTROSCOPY, vol.66, pp.1353-1361, 2012 (Journal Indexed in SCI)

- XIII. **Experimental and theoretical investigation of the drilling of alumina ceramic using Nd:YAG pulsed laser**
Hanon M., Akman E., Genç Öztoprak B., Gunes M., Taha Z., Hajım K., Kaçar E., Gündoğdu Ö., Demir A.
Optics and Laser Technology, vol.44, pp.913-922, 2012 (Journal Indexed in SCI)
- XIV. **Effect of femtosecond Ti:Sapphire laser wavelengths on plasmonic behaviour and size evolution of silver nanoparticles**
Akman E., Oztoprak B., Gunes M., Kaçar E., Demir A.
Photonics and Nanostructures - Fundamentals and Applications, vol.9, pp.276-286, 2011 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Laser-induced breakdown spectroscopy is a reliable method for urinary stone analysis**
MUTLU N., Ciftci S., GULECEN T., Oztoprak B., DEMİR A.
TURKISH JOURNAL OF UROLOGY, vol.42, pp.21-26, 2016 (Journal Indexed in ESCI)
- II. **Molecular Analysis of Sea Water of The Gulf of Izmit By Raman Spectroscopy**
Arzu A., Kaçar E., Güneş M., Genç Öztoprak B., Akman E., Demir A.
BALKAN PHYSICS LETTERS, vol.23, pp.82-93, 2015 (Refereed Journals of Other Institutions)
- III. **Classification of archaeological ceramics analysed by laser induced breakdown spectroscopy LIBS**
MA S., GENÇ ÖZTOPRAK B., AKMAN E., GÜNEŞ M., KAÇAR E., TÜLEK F., DEMİR A.
Balkan Physics Letters, vol.22, pp.24-35, 2014 (Refereed Journals of Other Institutions)
- IV. **Classification of archaeological ceramics analyzed by laser induced breakdown spectroscopy LIBS**
Mesadet Asuman S., Genç Öztoprak B., Akman E., Güneş M., Kaçar E., Tülek F., Demir A.
Balkan Physics Letters, vol.22, pp.24-35, 2014 (Refereed Journals of Other Institutions)
- V. **Analytical and Experimental Investigation of Emission Emitted During the Laser Ablation**
SİPAHİOĞLU S., GENÇ ÖZTOPRAK B., AKMAN E., KAÇAR E., DEMİR A.
Balkan Physics Letters, vol.16, pp.1-6, 2009 (Refereed Journals of Other Institutions)
- VI. **Monitoring of Laser Material Welding Process Using UV Visible Spectrometer**
GENÇ ÖZTOPRAK B., KAÇAR E., AKMAN E., DEMİR A., SİPAHİOĞLU S.
American Institute of Physics, vol.899, pp.319-320, 2007 (Refereed Journals of Other Institutions)
- VII. **Progresses on the Theoretical and Experimental Studies in Laser Technologies Research and Application Center In Kocaeli**
AKMAN E., ATALAY B., CANDAN L., CANEL T., DEMİR A., DEMİR P., ERTÜRK S., GENÇ ÖZTOPRAK B., KAÇAR E., KENAR N., et al.
American Institute of Physics, vol.899, pp.331-332, 2007 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **INVESTIGATION OF THE EFFECT OF VARYING LASER SCRIBE SIZES ON THE ADHESION PERFORMANCE OF THE AA2024-T3/CFRP JOINTS DEPENDING ON THE NUMBER OF LASER SCAN REPEATS**
aybalık s., ÇOBAN O., BORA M. Ö., AKMAN E., GENÇ ÖZTOPRAK B.
International Conference on Technology, Engineering and Science (IConTES), 29 October - 01 November 2020
- II. **Modification of Surface Properties of Al 2024 Alloy By Using Nanosecond Fiber Laser**
GÜNERHAN A., GENÇ ÖZTOPRAK B.
TURKISH PHYSICAL SOCIETY 36TH INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 1 - 05 September 2020, pp.61
- III. **Evaluation of Different Surface Treatment Methods Applied to Improve the Chemical Adhesion Mechanism of Al/CFRP Adhesive Bonding**
GENÇ ÖZTOPRAK B., ÇOBAN O., AKMAN E., BORA M. Ö., KUTLUK T.

International Conference on Engineering Technologies (ICENTE'xx19), Konya, Turkey, 25 - 27 October 2019, pp.274-279

- IV. **Surface Preparation of the Al 2024 Alloy for Adhesive Bonding of Al/ CFRP Using Fiber Laser Treatment**
AKMAN E., BORA M. Ö. , ÇOBAN O., GENÇ ÖZTOPRAK B.
International Conference on Engineering Technologies (ICENTE'xx19), Konya, Turkey, 25 - 27 October 2019, pp.285-288
- V. **Shear Strength Performance Evaluation of Al/CFRP Adhesive Bonded Joints with Various Silane Treatments at Aluminum Surfaces**
BORA M. Ö. , ÇOBAN O., KUTLUK T., AKMAN E., GENÇ ÖZTOPRAK B.
International Conference on Engineering Technologies (ICENTE'xx19), Konya, Turkey, 25 - 27 October 2019, pp.270-273
- VI. **FPL Etching Parameter Optimization for Adhesion Performance of Al/CFRP Adhesive Joints**
ÇOBAN O., BORA M. Ö. , GENÇ ÖZTOPRAK B., AKMAN E., KUTLUK T.
International Conference on Engineering Technologies (ICENTE'xx19), Konya, Turkey, 25 - 27 October 2019, pp.280-284
- VII. **Designing of 10X Beam Expander for Laser Bird deterrent System**
ŞÖLENTAŞ O., GENÇ ÖZTOPRAK B.
Turkish Physical Society 34th International Physics Congress, 5 - 09 September 2018
- VIII. **EFFECTS OF THE LASER WAVELENGTH ON THE PRE-TREATMENT OF CARBON FIBER-REINFORCED PLASTICS FOR ADHESIVE JOINT**
ÇOBAN O., ERDOĞAN Y., AKMAN E., BORA M. Ö. , GENÇ ÖZTOPRAK B., DEMİR A.
II INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGY AND INNOVATION, 7 - 11 March 2018, pp.11
- IX. **SPECTROSCOPIC SURFACE INVESTIGATION OF LASER TREATED CFRPS TO ACHIEVE OPTIMUM ADHESIVE BONDING**
BORA M. Ö. , GENÇ ÖZTOPRAK B., AKMAN E., ÇOBAN O., DEMİR A.
THEINTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGY ANDINNOVATION, 7 - 11 March 2018, pp.9
- X. **NOVEL SURFACE STRUCTURING OF CFRPS FOR ADHESIVE BONDING: EFFECT OF LASER INDUCED SCRIBE PATTERN ANGLE ON ADHESION STRENGTH**
ÇOBAN O., AKMAN E., BORA M. Ö. , GENÇ ÖZTOPRAK B., DEMİR A.
II INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGY AND INNOVATION, 7 - 11 March 2018, pp.12
- XI. **EFFECT OF MECHANICAL INTERLOCKING WITH VARIOUS MICRO HOLE FORMATIONS ON THE ADHESIVE BONDING STRENGTH OF CFRP/CFRP JOINTS**
BORA M. Ö. , ERDOĞAN Y., AKMAN E., ÇOBAN O., GENÇ ÖZTOPRAK B., DEMİR A.
II INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGY AND INNOVATION, 7 - 11 March 2018, pp.10
- XII. **Metallerin sıvı içinde LIBS tekniği ile tespiti**
DEMİR A., GENÇ ÖZTOPRAK B., AKMAN E., AKBIYIK B.
19. Ulusal Optik, Elektro-Optik ve Fotonik Çalıştayı, İstanbul, Turkey, 29 September 2017, pp.22
- XIII. **TiB2 ve Al2O3 ince filmlerin LIBS ile analizleri**
DEMİR A., GENÇ ÖZTOPRAK B., AKMAN E., NIELSEN L.
19. Ulusal Optik, Elektro-Optik ve Fotonik Çalıştayı, İstanbul, Turkey, 29 September 2017, pp.18
- XIV. **Laser Structuring of CFRP Surface for Adhesive Bonding Using Michelson Interferometer and Laser Beam**
ERDOĞAN Y., AKMAN E., ÇOBAN O., BORA M. Ö. , GENÇ ÖZTOPRAK B., DEMİR A.
Turkish Physical Society 33rd International Physics Congress, 6 - 10 September 2017, pp.512
- XV. **Investigation of laser induced line pattern surface structuring effect on adhesive bonding of CFRP aircraft composites**
ÇOBAN O., AKMAN E., BORA M. Ö. , GENÇ ÖZTOPRAK B., DEMİR A.
III INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES (ICENS), 3 - 07 May 2017, pp.1084-1089
- XVI. **Study Of Laser Induced Micro-Hole Configuration In Order To Exploit Mechanical Interlocking Effect**

On Adhesive Bonding

BORA M. Ö., AKMAN E., ÇOBAN O., GENÇ ÖZTOPRAK B., DEMİR A.

III INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES (ICENS), 3 - 07 May 2017, pp.864-869

- XVII. **Effect of Bondline Thickness on Adhesive Bonding of Laser Treated Carbon Fiber Reinforced Composites**
AKMAN E., ERDOĞAN Y., BORA M. Ö., ÇOBAN O., GENÇ ÖZTOPRAK B., DEMİR A.
III INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES (ICENS), 3 - 07 May 2017, pp.1080-1083
- XVIII. **Analysis of Laser Treated CFRP Surfaces by Laser-Induced Breakdown Spectroscopy**
GENÇ ÖZTOPRAK B., AKMAN E., ÇOBAN O., BORA M. Ö., DEMİR A.
CSI XL - IX EMSLIBS, 11 - 16 June 2017, pp.257
- XIX. **Identification and Classification of Polymers Using LIBS and Chemometry**
GENÇ ÖZTOPRAK B., AKMAN E., DEMİR A.
3rd International Turkish Congress on Molecular Spectroscopy, 26 - 29 August 2017
- XX. **Discrimination of Polymers By Using Laser-induced Breakdown Spectroscopy and Chemometric Techniques**
GENÇ ÖZTOPRAK B., AKMAN E., DEMİR A.
Colloquium Spectroscopicum Internationale XL, 11 - 16 June 2017
- XXI. **Analysis of TiO₂ NPs in Liquid Environment Using LIBS**
DEMİR A., AKMAN E., GENÇ ÖZTOPRAK B.
The International Conference on Plasmas with Liquids (ICPL 2017), 5 - 09 March 2017
- XXII. **Depth analysis of DLC TiB₂ and Al₂O₃ thin films by LIBS**
DEMİR A., AKMAN E., GENÇ ÖZTOPRAK B., NIELSEN L.
The 9th International Conference on Laser-Induced Breakdown Spectroscopy (LIBS), France, 12 - 16 September 2016
- XXIII. **Depth Analysis of DLC TiB₂ and Al₂O₃ Thin Films by LIBS**
DEMİR A., GENÇ ÖZTOPRAK B., AKMAN E., NIELSEN L.
The 9th International Conference on Laser-Induced Breakdown Spectroscopy (LIBS), 12 - 16 September 2016
- XXIV. **Application of Laser Induced Breakdown Spectroscopy Combined with Chemometric Techniques**
GENÇ ÖZTOPRAK B., AKMAN E., DEMİR A.
3rd International Conference on New Trends in Chemometrics and Applications, 25 - 28 May 2016
- XXV. **Applications of Laser Induced Breakdown Spectroscopy Combined with Chemometric Techniques**
GENÇ ÖZTOPRAK B., AKMAN E., DEMİR A.
3rd International Conference on New Trends in Chemometrics and Applications, 25 - 28 May 2016
- XXVI. **Plasma Enhancement of DLC Thin Films Using Double Pulse LIBS Technique**
GENÇ ÖZTOPRAK B., İRFAN M., AKMAN E., DEMİR A.
COST TD1208 "International Conference on Electrical Discharges with Liquids (ICEDL 2016)", 14 - 17 March 2016
- XXVII. **Plasma enhancement of DLC thin films using double pulse LIBS technique**
GENÇ ÖZTOPRAK B., İRFAN M., AKMAN E., DEMİR A.
International Conference on Electrical Discharges with Liquids, 13 - 17 March 2016
- XXVIII. **Detection of metals in water droplets using double pulse laser induced breakdown spectroscopy technique**
İRFAN M., GENÇ ÖZTOPRAK B., AKMAN E., DEMİR A.
International Conference on Electrical Discharges with Liquids, 13 - 17 March 2016
- XXIX. **Design and Construction of Q switched Ho YAG laser and its application in water**
İRFAN M., AKMAN E., GENÇ ÖZTOPRAK B., DEMİR A.
International Conference on Electrical discharges with liquids for future applications, 13 - 17 March 2016
- XXX. **Production of TiO₂ NPs in Liquid Environment Using Nanosecond Double Pulse Lasers**
AKMAN E., İRFAN M., GENÇ ÖZTOPRAK B., DEMİR A.
International Conference on Electrical Discharges with Liquids, 13 - 17 March 2016

- XXXI. **Development of Ho YAG Laser for Lithotripsy**
İRFAN M., ERDOĞAN Y., AKMAN E., GÜNEŞ M., GENÇ ÖZTOPRAK B., DEMİR A.
17. Ulusal Optik, Elektro-Optik ve Fotonik Çalıştayı, Turkey, 18 September 2015
- XXXII. **Çok Katmanlı İnce Filmlerin Lazerle Oluşturulan Plazma Spektroskopisi LIBS Tekniği İle Analizi**
GENÇ ÖZTOPRAK B.
17. Ulusal Optik, Elektro-Optik ve Fotonik Çalıştayı, Turkey, 18 September 2015
- XXXIII. **Analysis of Nanodesigned Coatings by Laser Induced Breakdown Spectroscopy LIBS**
AKMAN E., GENÇ ÖZTOPRAK B., GÜNEŞ M., İRFAN M., ERDOĞAN Y., DEMİR A.
11th Nanoscience and Nanotechnology Conference (NanoTR-11), 22 - 24 June 2015
- XXXIV. **Effect of Electrical Discharge on Laser Produced Nanoparticles in Liquid**
ERDOĞAN Y., İRFAN M., GÜNEŞ M., GENÇ ÖZTOPRAK B., AKMAN E., DEMİR A.
11th Frontiers in Low Temperature Plasma Diagnostics, 24 - 26 May 2015
- XXXV. **Depth Analysis of Multilayer Thin Films Using Laser Induced Breakdown Spectroscopy**
AKMAN E., GÜNEŞ M., GENÇ ÖZTOPRAK B., ERDOĞAN Y., İRFAN M., DEMİR A.
", 11th Frontiers in Low Temperature Plasma Diagnostic (FLPTD-XI), 24 - 28 May 2015
- XXXVI. **Effects of Laser Pulse Duration on Nanoparticle Size of Silver Nanoparticle**
AKMAN E., YALAZA E., GENÇ ÖZTOPRAK B., GÜNEŞ M., KAÇAR E., DEMİR A.
International Middle East Plasma Science- IMEPS2014, Turkey, 23 - 25 September 2014
- XXXVII. **Structural and Optical Properties of TiO₂ Al₂O₃ Composite Thin Films Grown by Pulsed Laser Deposition Science and Applications of Thin Films**
MUTLU ŞANLI M., KAÇAR E., SINMAZ M. A. , GENÇ ÖZTOPRAK B., DEMİR A.
Science and Applications of Thin Films, Conference & Exhibition -SATF, 15 - 19 September 2014
- XXXVIII. **Lazerle Oluşturulan Çinko Plazmanın Optik Yayınım Çalışmaları**
Sinmaz A. M. , GENÇ ÖZTOPRAK B., GÜNEŞ M., AKMAN E., KAÇAR E., DEMİR A.
FOTONİK 2014 16. Ulusal Optik, Elektro-Optik ve Fotonik Çalıştayı, Turkey, 05 September 2014
- XXXIX. **Depth and element analysis of thin films by laser induced breakdown**
DEMİR A., SINMAZ M. A. , GÜNEŞ M., GENÇ ÖZTOPRAK B., AKMAN E., NIELSEN L.
NanoTR 10 10th Nanoscience and Nanotechnology Conference, Turkey, 19 - 20 June 2014
- XL. **Depth analyses of laser produced multilayer thin films using laser induced breakdown spectroscopy**
SINMAZ A. M. , GENÇ ÖZTOPRAK B., MESURE M. Ş. , GÜNEŞ M., AKMAN E., KAÇAR E., DEMİR A.
LPM2014 - 15th International Symposium on Laser Precision Microfabrication, Vilnius, Lithuania, 17 - 20 June 2014
- XLI. **Lazerle oluşturulan Zn plazmasının karakteristik özelliklerinin belirlenmesi**
SINMAZ M. A. , GENÇ ÖZTOPRAK B., AKMAN E., GÜNEŞ M., DEMİR A.
1. Uluslararası Plazma Teknolojileri Kongresi, 28 - 30 April 2014
- XLII. **Depth Analyses of Multilayer Thin Film by Laser Induced Breakdown Spectroscopy**
SINMAZ M. A. , GENÇ ÖZTOPRAK B., GÜNEŞ M., AKMAN E., KAÇAR E., ÖZYÜZER L., DEMİR A.
International Middle East Plasma Science- IMEPS2014, 23 - 25 April 2014
- XLIII. **LIBS Analizleri İle Arkeolojik Seramiklerin İncelenmesi**
Asuman Mesadet S., Genç Öztoprak B., Akman E., Güneş M., Kaçar E., Tülek F., Demir A.
15. Ulusal Optik, Elektro-Optik ve Fotonik Çalıştayı ASELSAN, Ankara, Turkey, 06 September 2103, pp.52
- XLIV. **Laser welding of Shape Memory Alloys for stone machining and computer aided technology**
DEMİR A., AKMAN E., GENÇ ÖZTOPRAK B., GÜNEŞ M., TORICE A., NUNZIATI W.
V. Global Stone Congress, 22 - 25 October 2013
- XLV. **Classification of Archaeological Ceramics Analyzed By Laser Induced Breakdown Spectroscopy LIBS**
Asuman Mesadet S., GENÇ ÖZTOPRAK B., AKMAN E., GÜNEŞ M., KAÇAR E., TÜLEK F., DEMİR A.
Turkish Physical Society 30th Intenational Physics Congress, İstanbul, Turkey, 2 - 05 September 2013, pp.81
- XLVI. **Lazerle Oluşturulan Plazma Spektroskopisi LIBS Tekniği ile Arkeolojik Seramiklerin Nitel Analizi**
SINMAZ M. A. , GENÇ ÖZTOPRAK B., AKMAN E., TÜLEK F., DEMİR A.
Uluslararası Katılımlı XIII. Ulusal Spektroskopi Kongresi, Turkey, 15 - 18 May 2013
- XLVII. **Lazerle Uyarmalı Raman Spektrometresi Tasarımı ve Medikal Uygulamaları**

- GÜNEŞ M., AKMAN E., GENÇ ÖZTOPRAK B., DEMİR A.
Uluslararası Katılımlı XIII. Ulusal Spektroskopi Kongresi, Turkey, 15 - 18 May 2013
- XLVIII. **Lazer Uyarmalı Malzeme Analizine Yönelik Raman ve LIBS Spektrometre Sistemlerinin Tasarımı ve Medikal Uygulamaları**
DEMİR A., GENÇ ÖZTOPRAK B., AKMAN E., GÜNEŞ M., KAÇAR E., SINMAZ A. M.
Uluslararası Katılımlı XIII. Ulusal Spektroskopi Kongresi, Burdur, Turkey, 15 - 18 May 2013, pp.12
- XLIX. **316 Paslanmaz Çelik Yüzeylerde Femtosaniye Lazer ile Oluşturulan Mikro ve Nanoyapıların Su Tutmazlık Davranışı Üzerindeki Etkisi**
AKMAN E., GENÇ ÖZTOPRAK B., GÜNEŞ M., KAÇAR E., GÜNDOĞDU Ö., DEMİR A.
14. Ulusal Optik, Elektro-Optik ve Fotonik Çalıştay, Turkey, 14 September 2012
- L. **316 Paslanmaz Çelik Yüzeylerde Femtosaniye Lazer ile Mikro ve Nanoyapıların Oluşturulması ve Biyolojik Uygulamaları**
AKMAN E., KENAR H., GENÇ ÖZTOPRAK B., GÜNEŞ M., KAÇAR E., GÜNDOĞDU Ö., DEMİR A.
14. Ulusal Optik, Elektro-Optik ve Fotonik Çalıştay, Turkey, 14 September 2012
- LI. **Kobalt ve Bakır Alaşımlarının LIBS Tekniği ile İncelenmesi**
GENÇ ÖZTOPRAK B., AKMAN E., HANON M., GÜNEŞ M., GÜMÜŞ S., KAÇAR E., GÜNDOĞDU Ö., ZEREN M., DEMİR A.
14. Ulusal Optik, Elektro-Optik ve Fotonik Çalıştay, Turkey, 14 September 2012
- LII. **Implant Surface Modification by Laser Treatment**
İKİER T., KAÇAR E., AKMAN E., GENÇ ÖZTOPRAK B., DEMİR A., AKPINAR G., KASAP M., URAL D., JUSEOK L., MİRO M. M., et al.
8th Nanoscience and Nanotechnology Congress, Ankara, Turkey, 25 - 29 June 2012, pp.187
- LIII. **Lazerle Implant Yüzeylerin Modifikasyonu**
TUBA İ., KAÇAR E., AKMAN E., GENÇ ÖZTOPRAK B., DEMİR A., AKPINAR G., KASAP M., URAL D., JUSEOK L., MİRO M. M., et al.
GEFİK-2012 - İzmir Genç Fizikçiler Kongresi, İzmir, Turkey, 13 - 15 June 2012
- LIV. **Production of Co Ni and Ti nanoparticles in liquid environment using femtosecond laser**
GENÇ ÖZTOPRAK B., GÜNEŞ M., KAÇAR E., AKTAŞ C., DEMİR A.
ANGEL 2012 - 2nd Conference on Laser Ablation and Nanoparticle Generation in Liquids, Taormina, Italy, 22 - 24 May 2012
- LV. **Kalsiyumlu Dokuların Analizi için Lazerle Oluşturulan Plazma Spektroskopi Sistemi LIBS Geliştirme**
GENÇ ÖZTOPRAK B., AKMAN E., GÜNEŞ M., KAÇAR E., DEMİR A.
13. Ulusal Optik, Elektro-Optik ve Fotonik Toplantısı, Bilkent Üniversitesi, Ankara, Turkey, 23 September 2011
- LVI. **Ti Safir Lazeri Kullanılarak Altın Nanoparçacıkların Sıvı Ortamında Üretimi ve Parçalanması**
AKMAN E., GENÇ ÖZTOPRAK B., GÜNEŞ M., KAÇAR E., GÜNDOĞDU Ö., DEMİR A.
13. Ulusal Optik, Elektro-Optik ve Fotonik Toplantısı, Bilkent Üniversitesi, Ankara, Turkey, 23 September 2011
- LVII. **Application of LIBS on Automotive Coatings**
Canel T., Genç Öztoprak B., Akman E., Güneş M., Demir A.
6th Euro Mediterranean Symposium on Laser Induced Breakdown Spectroscopy, İzmir, Turkey, 11 September 2011, pp.157
- LVIII. **Development of Time and Space Resolved LIBS Technique and Application in Medical Research**
DEMİR A., GENÇ ÖZTOPRAK B., GÜLECEN T., AKMAN E., GÜNEŞ M., KAÇAR E.
6th Euro-Mediterranean Symposium on Laser-Induced Breakdown Spectroscopy, İzmir, Turkey, 11 - 15 September 2011
- LIX. **Laser Induced Breakdown Spectroscopy System Development for Analysis of Kidney Stones**
GENÇ ÖZTOPRAK B., GÜLECEN t., AKMAN E., GÜNEŞ M., KAÇAR E., MUTLU N., DEMİR A.
6th Euro-Mediterranean Symposium on Laser-Induced Breakdown Spectroscopy, İzmir, Turkey, 11 - 15 September 2011
- LX. **Production and Size Reduction of Gold Nanoparticles Using Ultrafast Femtoseconds Laser**
AKMAN E., GENÇ ÖZTOPRAK B., GÜNEŞ M., KAÇAR E., DEMİR A.
7th Nanoscience and Nanotechnology Conference, İstanbul, Turkey, 01 August 2011
- LXI. **Application of LIBS technique in Medical Research**

GENÇ ÖZTOPRAK B.

KORANET Workshop on Research for Life-Long Health, 14 - 16 April 2011

- LXII. **Spectroscopic Investigation of Gold and Silver Nanoparticles Produced Using Femtosecond Laser Pulses**
GENÇ ÖZTOPRAK B., AKMAN E., AKTAŞ C., KAÇAR E., DEMİR A.
6th Nanoscience and Nanotechnology Conference, İzmir, Turkey, 15 - 18 June 2010
- LXIII. **Characterization of Gold Nanoparticles Produced by Femtosecond Laser**
AKMAN E., AKKAN Ç. K. , AKTAŞ C., GENÇ ÖZTOPRAK B., KAÇAR E., DEMİR A.
6th Nanoscience and Nanotechnology Conference, İzmir, Turkey, 15 - 18 June 2010
- LXIV. **Dişteki Minerallerin Lazer İle Oluşturulan Plazma Spektroskopisi Tekniği İle Belirlenmesi**
GENÇ ÖZTOPRAK B., AKMAN E., KAÇAR E., DEMİR A.
Batı Karadeniz Üniversiteler Birliği ArGe Proje Pazarı-BKÜB ARGEPP, Turkey, 24 February 2010
- LXV. **Femtosaniye Lazer Kullanılarak Nanoparçacık Üretimi**
AKMAN E., GENÇ ÖZTOPRAK B., KAÇAR E., DEMİR A.
Batı Karadeniz Üniversiteler Birliği ArGe Proje Pazarı-BKUB ARGEPP, Turkey, 24 February 2010
- LXVI. **Spectroscopic Measurements of the Laser Induced Argon Plasma**
GENÇ ÖZTOPRAK B., SİPAHİOĞLU S., AKMAN E., DEMİR KUZU P., KAÇAR E., DEMİR A.
ALT09 Advanced Laser Technologies, 26 September - 01 October 2009
- LXVII. **Spectroscopic Measurements and Modelling of the Spectrum Emitted from Laser Induced Argon Plasma**
GENÇ ÖZTOPRAK B., SİPAHİOĞLU S., AKMAN E., DEMİR KUZU P., KAÇAR E., DEMİR A.
17th International Conference on Advanced Laser Technologies ALT09, Antalya, Turkey, 26 September - 01 October 2009
- LXVIII. **Lazerle Malzeme Aşındırması Sırasında Yayılan Işımanın Analitik ve Deneysel İncelenmesi**
SİPAHİOĞLU S., GENÇ ÖZTOPRAK B., AKMAN E., KAÇAR E., DEMİR A.
10. Ulusal Optik, Elektro-Optik ve Fotonik Toplantısı, Kocaeli, Turkey, 17 October 2008
- LXIX. **Lazer Teknolojileri Araştırma ve Uygulama Merkezinde Gerçekleştirilen Nanosaniye Milisaniye ve Femtosaniye Nd YAG Lazerler ile Malzeme İşleme Çalışmaları**
AKMAN E., CANDAN L., MESURE M., BABUR S., GENÇ ÖZTOPRAK B., AKKAN Ç. K. , SİPAHİOĞLU S., DEMİR A., DEMİR KUZU P., CANEL T., et al.
10. Ulusal Optik, Elektro-Optik ve Fotonik Toplantısı, Kocaeli Üniversitesi, Kocaeli, Turkey, 17 October 2008
- LXX. **Spectroscopic Measurements and Modelling of the Spectrum Emitted from Laser Induced Titanium Plasma**
GENÇ ÖZTOPRAK B., AKMAN E., DEMİR KUZU P., KAÇAR E., DEMİR A.
5th International Conference on Laser-Induced Breakdown Spectroscopy, Berlin, Germany, 22 - 26 September 2008
- LXXI. **Analytical and Experimental Investigation of Emission Emitted During the Laser Ablation**
SİPAHİOĞLU S., GENÇ ÖZTOPRAK B., AKMAN E., KAÇAR E., DEMİR A.
Türk Fizik Derneği 25. Uluslararası Fizik Kongresi, 25 - 29 August 2008
- LXXII. **Ti ve Mg Alaşımların Lazer Etkileşimli Plazma Spektroskopisi ile Analizi**
GENÇ ÖZTOPRAK B., AKMAN E., CANDAN L., KAÇAR E., DEMİR A.
SAVTEK2008, Ankara, Turkey, 26 - 28 June 2008
- LXXIII. **Information About Laser Scanning Confocal Microscopy and Development of A 10X Magnifier Objective**
AKKAN Ç. K. , GENÇ ÖZTOPRAK B., AKMAN E., KAÇAR E., DEMİR A.
ISCBPU5 - Fifth International Student Conference of the Balkan Physical Union, 21 - 24 August 2007
- LXXIV. **Lazer İle Malzeme Kaynak İşleminin UV NIR Spektrometre Kullanılarak Görüntülenmesi**
GENÇ ÖZTOPRAK B., KAÇAR E., AKMAN E., DEMİR A.
8. Ulusal Fotonik Çalıştayı, Turkey, 15 September 2006
- LXXV. **Lazer ile malzeme kaynak işleminin UV NIR spektrometre kullanılarak görüntülenmesi**
GENÇ ÖZTOPRAK B., KAÇAR E., AKMAN E., DEMİR A.

Fotonik, Turkey, 15 September 2006

LXXVI. Grating ızgara Spektrometre Tasarımı

GENÇ ÖZTOPRAK B., KAÇAR E., URHAN O., DEMİR A.

7. Ulusal Optik, Elektro-Optik ve Fotonik Çalışma Toplantısı, Turkey, 10 December 2005

LXXVII. Design of Crystal Spectrometer for kev X Ray Emission Studies

GENÇ ÖZTOPRAK B., KAÇAR E., URHAN O., DEMİR A.

Turkish Physical Society 23th International Turkish Physics Congress, 13 - 16 September 2005

Supported Projects

GENÇ ÖZTOPRAK B., GÜNERHAN A., Project Supported by Higher Education Institutions, Lazerle Malzeme İşlemleri İçin Deney Tasarımı, 2020 - Continues

GENÇ ÖZTOPRAK B., Project Supported by Higher Education Institutions, FARKLI LAZER DALGABOYLARININ DOĞAL ORTAMDAKİ KUŞLARI UZAKLAŞTIRMADA ETKİSİNİN İNCELENMESİ, 2019 - 2020

Çoban O., Akman E., Bora M. Ö. , Genç Öztoprak B., TUBITAK Project, Optimization of laser surface treatment process to provide mechanical locking in aluminum alloy adhesive bonding with carbon composite, 2018 - 2020

Akman E., Çoban O., Bora M. Ö. , Genç Öztoprak B., Demir A., TUBITAK Project, Yüksek Adhezif Yapışma Dayanımı Sağlamak İçin Karbon Fiber Katkılı Kompozit Yüzeylerinin Lazer İle İşlenmesi Ve Optimum Parametrelerinin Belirlenmesi TUBİTAK 1001, 2016 - 2018

GENÇ ÖZTOPRAK B., Project Supported by Higher Education Institutions, ÇEVRESEL ATIK ANALİZİNE YÖNELİK RAMAN SPEKTROMETREMETRESİ İLE 785nm DALGABOYU İLE UYARILAN MOLEKÜLERİN ANALİZLERİNİN

GERÇEKLEŞTİRİLMESİ, 2014 - 2015

Canel T., Kaçar E., Candan L., Genç Öztoprak B., Akman E., Project Supported by Higher Education Institutions, Uzun Milisaniye Ve Kısa Atımlı Nanosaniye Lazerler Kullanarak Polimer Ve Takviyeli Kompozit Polimerler Üzerinde Açılan Mikro Ölçekli Deliklerin Optimum Parametrelerinin Belirlenmesi, 2008 - 2009

Citations

Total Citations (WOS):273

h-index (WOS):8