

## Assoc. Prof. SİBEL OĞUZLAR



### Personal Information

**Email:** sibel.oguzlar@deu.edu.tr

**Web:** <https://avesis.deu.edu.tr/sibel.oguzlar>

### International Researcher IDs

ScholarID: q1EH7YQAAAAJ

ORCID: 0000-0001-9903-7484

Publons / Web Of Science ResearcherID: Q-2521-2019

ScopusID: 57209644697

Yoksis Researcher ID: 284329

### Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2006 - 2010

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 2004 - 2006

Postgraduate, Manisa Celal Bayar University, Institute Of Science, Tezsiz (Formasyon), Turkey 2004 - 2006

Undergraduate, Ege University, Faculty Of Science, Kimya Bölümü, Turkey 2001 - 2004

### Certificates, Courses and Trainings

Quality Management, Toplam Kalite Yönetimi, Omaç Danışmanlık Eğitim İç ve Dış Ticaret Marka Patent Hizmetleri, 2008

Quality Management, Süreç Yönetimi, Omaç Danışmanlık Eğitim İç ve Dış Tic. Marka Patent Hizmetleri, 2008

Personal Evolution, NLP (Beyin Dili Programı) , Elginkan Vakfı Ümmehan Elginkan Mesleki ve Teknik Eğitim Merkezi , 2008

Quality Management, Müşteri Şikayetleri Yönetimi , Türev Eğitim Danışmanlık, 2007

Quality Management, TS EN ISO 9001:2000 Kalite Yönetim Sistemi, Ege Üniversitesi Fen Fakültesi Kimya Bölümü ve Kimyagerler Derneği , 2006

Foreign Language, İngilizce Dil Kursu, ÖZEL AKADEMİK BATI DİLLERİ EĞİTİM KURUMU YABANCI DİL KURSU, 2002

### Dissertations

Doctorate, Application of new matrix materials for dissolved and gaseous carbon dioxide sensing and fiber optic carbon dioxide sensor design, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2010

Postgraduate, Karbon dioksit tayininde kullanılmak üzere indikatörlerin modifikasyonu ve çeşitli polimer matrikslerde denemesi, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2006

### Research Areas

Chemistry, Analytical Chemistry, Natural Sciences

## Academic Titles / Tasks

Associate Professor, Dokuz Eylul University, Rektörlük, Elektronik Malzemeler Üretimi Ve Uygulama Merkezi, 2018 - Continues

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Emission based response of Er<sup>3+</sup>, Tb<sup>3+</sup>, and Er<sup>3+</sup>-Tb<sup>3+</sup> co-doped 1393 bioactive glasses along with HPTS towards CO<sub>2</sub>**  
Ulucan U., Oğuzlar S., Deliormanlı A. M., Ertekin K.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A: CHEMISTRY, vol.459, pp.116107, 2025 (SCI-Expanded)
- II. **Enhancement of the photocatalytic efficiency of ZnO utilizing luminescent Y2O3 particles**  
Gültekin S., Birlik I., Oğuzlar S., Ertekin K.  
MATERIALS RESEARCH EXPRESS, vol.1, no.1, pp.10, 2024 (SCI-Expanded)
- III. **The structural, magnetic, and optical properties of flame spray pyrolysis-derived spinel NiFe<sub>2</sub>O<sub>4</sub> nanoparticles**  
Yıldırım S., Özler B., Özdemir E. T., Erol M., Dikici T., Oğuzlar S.  
AMERICAN CERAMIC SOCIETY, JOURNAL, vol.108, no.1, pp.1-13, 2024 (SCI-Expanded)
- IV. **Improved Optical Performance Analysis of YAG:Ce, NCS:Sm, CAO:Mn Phosphors Physically Integrated with Metal-Organic Frameworks**  
Oğuzlar S., Zeyrek Ongun M., Köse Yaman P., Erol M.  
ACS OMEGA, vol.9, no.42, pp.43219-43232, 2024 (SCI-Expanded)
- V. **Enhanced sensitivity of fluorescence-based optical CO<sub>2</sub> sensor by using HPTS/Chitosan/ZnO/GO/polymethyl methacrylate composites**  
Azrak V., ÖTER Ö., OĞUZLAR S., ANT BURSALI E.  
Journal of Materials Science: Materials in Electronics, vol.35, no.25, 2024 (SCI-Expanded)
- VI. **La: ZnO nanoparticles: an investigation on structural, optical, and microwave properties**  
Şakar N., Ertekin Z., Oğuzlar S., Erol M.  
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, vol.35, no.19, pp.1355, 2024 (SCI-Expanded)
- VII. **Enhancing the O<sub>2</sub> sensitivity of [Ru(bpy)<sub>3</sub>]<sup>2+</sup> dye by incorporating SnO<sub>2</sub> and Ni:SnO<sub>2</sub>**  
OĞUZLAR S., ZEYREK ONGUN M.  
Journal of Materials Science: Materials in Electronics, vol.35, no.13, 2024 (SCI-Expanded)
- VIII. **Physically-Deposited Hole Transporters in Perovskite PV: NiO<sub>x</sub> Improved with Li/Mg Doping**  
Akalin S. A., Erol M., Uzunbayır B., Oğuzlar S., Yıldırım S., Gokdemir Choi F. P., Gunes S., Menda U. D. Y., Mendes M. J.  
ADVANCED MATERIALS TECHNOLOGIES, pp.1-11, 2024 (SCI-Expanded)
- IX. **Sensitivity to NH<sub>3</sub> Vapor: Synthesis and Characterization of Five New Coordination Polymers Based on 2,2-Dimethylglutaric Acid and Bis(triazole)-Derived Ligands**  
Köse Yaman P., Demir Ö., Demir S., Ongun M. Z., Oğuzlar S., Erer H.  
ACS OMEGA, vol.9, no.3, pp.3193-3203, 2024 (SCI-Expanded)
- X. **Modulation of optical oxygen sensitivity of H<sub>2</sub>(TPP) by using Eu<sup>3+</sup>, Gd<sup>3+</sup> and Yb<sup>3+</sup> ions doped silicate-based bioactive glass powders immersed in simulated body fluid**  
Oğuzlar S., Zeyrek Ongun M., Deliormanlı A. M.  
OPTIK, vol.294, pp.171458, 2023 (SCI-Expanded)
- XI. **Effect on Improving CO<sub>2</sub> Sensor Properties: Combination of HPTS and γ-Fe<sub>2</sub>O<sub>3</sub>@ZnO Bioactive Glass**  
OĞUZLAR S., Ongun M. Z., Deliormanlı A. M.  
ACS OMEGA, vol.8, no.43, pp.40561-40571, 2023 (SCI-Expanded)
- XII. **Improvement of the CO<sub>2</sub> Sensitivity: HPTS-Based Sensors along with Zn@SnO<sub>2</sub> and Sn@ZnO Additives**  
ZEYREK ONGUN M., OĞUZLAR S.

ACS OMEGA, vol.8, no.32, pp.29635-29645, 2023 (SCI-Expanded)

- XIII. **Production and Characterizations of Sol-Gel-Derived Li, Cu:NiO<sub>x</sub> Particles: An Investigation on the Effects of Li and Cu Incorporation**  
Uzunbayır B., Akalın S. A., Yıldırım S., Erol M., Oğuzlar S.  
JOURNAL OF ELECTRONIC MATERIALS, vol.52, no.8, pp.5534-5542, 2023 (SCI-Expanded)
- XIV. **Development of high luminous efficacy red-emitting CaAl<sub>12</sub>O<sub>19</sub>:Mn<sup>4+</sup> phosphor using Al- and K-doped ZnO NWs/CFs**  
OĞUZLAR S., ZEYREK ONGUN M., Dogan Tunc I., EROL M.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.34, no.16, 2023 (SCI-Expanded)
- XV. **Investigation of the structural, photoluminescence properties, bioactivity and 5-fluorouracil delivery behavior of Dy<sup>3+</sup> and Dy:Eu<sup>3+</sup>-doped bioactive glasses**  
Deliormanlı A. M., Rahman B., Oğuzlar S., Zeyrek Ongun M.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.944, 2023 (SCI-Expanded)
- XVI. **Modulation of the oxygen sensing properties of iridium (III) complexes by changing their substitution groups**  
ZEYREK ONGUN M., Sahin M., OĞUZLAR S., Aytan T. A., Topal S. Z., ATILLA D.  
INORGANICA CHIMICA ACTA, vol.543, 2022 (SCI-Expanded)
- XVII. **Effects of NiO, SnO<sub>2</sub>, and Ni-doped SnO<sub>2</sub> semiconductor metal oxides on the oxygen sensing capacity of H<sub>2</sub>TPP**  
Zeyrek Ongun M., Oğuzlar S., Erol M.  
ANALYTICA CHIMICA ACTA, vol.1229, 2022 (SCI-Expanded)
- XVIII. **Li-doped ZnO nanowires on flexible carbon fibers as highly efficient hybrid antibacterial structures**  
YAVAŞ A., Giller S., Onak G., EROL M., Kayalar M. T., KARAMAN O., Tunc I. D., OĞUZLAR S.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.891, 2022 (SCI-Expanded)
- XIX. **Effects of Eu<sup>3+</sup>, Gd<sup>3+</sup> and Yb<sup>3+</sup> substitution on the structural, photoluminescence, and decay properties of silicate-based bioactive glass powders**  
Deliormanlı A. M., Oğuzlar S., Zeyrek Ongun M.  
JOURNAL OF MATERIALS RESEARCH, vol.37, no.2, pp.622-635, 2022 (SCI-Expanded)
- XX. **Tuning CO<sub>2</sub> sensing properties of HPTS along with newly synthesized coordination polymers (CPs)**  
Zeyrek Ongun M., Oğuzlar S., Köse Yaman P., Öter Ö.  
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.263, 2021 (SCI-Expanded)
- XXI. **Enhancement of optical properties of Lu<sub>3</sub>Al<sub>5</sub>O<sub>12</sub>:Ce<sup>3+</sup> and Ca- $\alpha$ -SiAlON:Eu<sup>2+</sup> by quinine sulphate**  
Ulucan U., ERTEKİN K., OĞUZLAR S.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.24, pp.28176-28191, 2021 (SCI-Expanded)
- XXII. **Energy harvesting nanogenerators: Electrospun beta-PVDF nanofibers accompanying ZnO NPs and ZnO@Ag NPs**  
ZEYREK ONGUN M., OĞUZLAR S., Kartal U., YURDDAŞKAL M., CİHANBEĞENDİ Ö.  
SOLID STATE SCIENCES, vol.122, 2021 (SCI-Expanded)
- XXIII. **Manipulation of brightness and decay kinetics of LuAG: Ce<sup>3+</sup> and YAG: Ce<sup>3+</sup> by simple metal oxides in polymeric matrices**  
Yıldırım B., KESKİN Ö. Y., OĞUZLAR S., BİRLİK I., Azem F. A., ERTEKİN K.  
OPTICS AND LASER TECHNOLOGY, vol.142, 2021 (SCI-Expanded)
- XXIV. **Investigation of light induced interactions between ZnO nano-particles and red emitting phosphor blends of Eu<sup>2+</sup>/Dy<sup>3+</sup> doped strontium aluminate and Eu<sup>2+</sup> doped Ca- $\alpha$ -Sialon**  
Oğuzlar S., Zeyrek Ongun M., Ertekin K.  
JOURNAL OF LUMINESCENCE, vol.238, 2021 (SCI-Expanded)
- XXV. **Structural and luminescent properties of Er<sup>3+</sup> and Tb<sup>3+</sup>-doped sol-gel-based bioactive glass powders and electrospun nanofibers**

DELİORMANLI A. M., Rahman B., OĞUZLAR S., ERTEKİN K.

JOURNAL OF MATERIALS SCIENCE, vol.56, no.26, pp.14487-14504, 2021 (SCI-Expanded)

- XXVI. **Sol-gel derived Li and Mg incorporated nickel oxide particles: An investigation on structural and optical properties**  
Akalm S. A., Erol M., Uzunbayir B., Oğuzlar S., Yıldırım S.  
OPTICAL MATERIALS, vol.118, 2021 (SCI-Expanded)
- XXVII. **Improvement of optical properties of one-dimensional CaAl<sub>12</sub>O<sub>19</sub>:Mn<sup>4+</sup> phosphor via Er<sup>3+</sup>- and Tb<sup>3+</sup>- doped bioactive glass powders**  
Oğuzlar S., Zeyrek Ongun M., Deliormanlı A. M.  
Optical Materials, vol.117, 2021 (SCI-Expanded)
- XXVIII. **Characterization and optical gas sensing properties of BaSnO<sub>3</sub> synthesized by novel technique: flame spray pyrolysis**  
Zeyrek Ongun M., Oğuzlar S., Akalm S. A., Yıldırım S.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.11, pp.15160-15170, 2021 (SCI-Expanded)
- XXIX. **Photoluminescence and decay characteristics of cerium, gallium and vanadium- containing borate-based bioactive glass powders for bioimaging applications**  
DELİORMANLI A. M., OĞUZLAR S., ERTEKİN K.  
CERAMICS INTERNATIONAL, vol.47, no.3, pp.3797-3807, 2021 (SCI-Expanded)
- XXX. **Characterization of beta-PVDF-based nanogenerators along with Fe<sub>2</sub>O<sub>3</sub>NPs for piezoelectric energy harvesting**  
ZEYREK ONGUN M., PARALI L., OĞUZLAR S., Pechousek J.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.31, no.21, pp.19146-19158, 2020 (SCI-Expanded)
- XXXI. **Investigation of Spectral Interactions between a SrAl<sub>2</sub>O<sub>4</sub>:Eu<sup>2+</sup>, Dy<sup>3+</sup> Phosphor and Nano-Scale TiO<sub>2</sub>**  
OĞUZLAR S., ZEYREK ONGUN M., KESKİN Ö. Y., Delice T. K., Azem F. A., BİRLİK I., ERTEKİN K.  
JOURNAL OF FLUORESCENCE, vol.30, no.4, pp.839-847, 2020 (SCI-Expanded)
- XXXII. **Synthesis, structural and optical characterization of Nd: YAG powders via flame spray pyrolysis**  
Sakar N., Gergeroglu H., Akalm S. A., Oğuzlar S., Yıldırım S.  
OPTICAL MATERIALS, vol.103, 2020 (SCI-Expanded)
- XXXIII. **Development of highly sensitive [Ru(bpy)<sub>3</sub>]<sup>2+</sup> - Based optical oxygen sensing thin films in the presence with Fe<sub>3</sub>O<sub>4</sub> and Fe<sub>3</sub>O<sub>4</sub>@Ag NPs**  
OĞUZLAR S.  
OPTICAL MATERIALS, vol.101, 2020 (SCI-Expanded)
- XXXIV. **Enhancement of piezoelectric energy-harvesting capacity of electrospun beta-PVDF nanogenerators by adding GO and rGO**  
ZEYREK ONGUN M., OĞUZLAR S., DOLUEL E. C., Kartal U., YURDDAŞKAL M.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.31, no.3, pp.1960-1968, 2020 (SCI-Expanded)
- XXXV. **Usage of thiocyanate-based ionic liquid as new optical sensor reagent: Absorption and emission based selective determination of Fe (III) ions**  
Coldur M., Oğuzlar S., Zeyrek Ongun M., Öter Ö., Yıldırım S.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.224, 2020 (SCI-Expanded)
- XXXVI. **Comparison of structural and optical properties of CeO<sub>2</sub> and CeO<sub>2</sub>:Eu<sup>3+</sup> nanoparticles synthesized via sol-gel and flame spray pyrolysis methods**  
Yıldırım S., Akalm S. A., Oğuzlar S., Zeyrek Ongun M., Ozer C., Erol M.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.30, no.14, pp.13749-13756, 2019 (SCI-Expanded)
- XXXVII. **pH-Driven Fluorescent Switch Behavior of Azometine Dyes in Solid Matrix Materials**

- Derinkuyu S., ERTEKİN K., ÖTER Ö., Ergun Y.  
SPECTROSCOPY LETTERS, vol.43, no.6, pp.500-512, 2010 (SCI-Expanded)
- XXXVIII. **Photophysical and optical oxygen sensing properties of tris(bipyridine)ruthenium(II) in ionic liquid modified sol-gel matrix**  
ÖTER Ö., ERTEKİN K., Derinkuyu S.  
MATERIALS CHEMISTRY AND PHYSICS, vol.113, no.1, pp.322-328, 2009 (SCI-Expanded)
- XXXIX. **Ratiometric sensing of CO<sub>2</sub> in ionic liquid modified ethyl cellulose matrix**  
ÖTER Ö., ERTEKİN K., Derinkuyu S.  
TALANTA, vol.76, no.3, pp.557-563, 2008 (SCI-Expanded)
- XL. **Emission based fiber optic pH sensing with Schiff bases bearing dimethylamino groups**  
Derinkuyu S., ERTEKİN K., Oter Ö., Denizalti S., Cetinkaya E.  
DYES AND PIGMENTS, vol.76, no.1, pp.133-141, 2008 (SCI-Expanded)
- XLI. **Fiber optic pH sensing with long wavelength excitable Schiff bases in the pH range of 7.0-12.0**  
Derinkuyu S., ERTEKİN K., Oter Ö., Denizalti S., Cetinkaya E.  
ANALYTICA CHIMICA ACTA, vol.588, no.1, pp.42-49, 2007 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Improvement of The CO<sub>2</sub> Sensitivity of HPTS Along With ZnO/CuO Nanoparticles: A Comparative Study Between Core-Shell And Hybrid Structures**  
Oğuzlar S.  
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.8, no.4, pp.983-994, 2021 (Scopus)
- II. **Enhancement of Optical Oxygen Sensing Properties of [Ru(Bpy)<sub>3</sub>]<sup>2+</sup>- Based Composites Along With Maghemite And Ionic Liquid**  
Oğuzlar S., Zeyrek Ongun M.  
E-journal of New World Sciences Academy, vol.14, no.4, pp.206-216, 2019 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Metal oxide-based phosphors for chemical sensors**  
OĞUZLAR S., ZEYREK ONGUN M.  
in: Metal Oxides for Next Generation Optoelectronic, Photonic and Photovoltaic Applications, Vijay Kumar, Vishal Sharma, Hendrik Swart, Subrata Das, Editor, Elsevier, pp.191-228, 2024
- II. **Fullerene and Fullerene Derivatives for Biosensing and Medical Diagnosis Applications**  
ERTUĞRUL UYGUN H. D., OĞUZLAR S., ZEYREK ONGUN M.  
in: Handbook of Functionalized Carbon Nanostructures, Ahmed Barhoum; Kalim Deshmukh, Editor, Springer Nature Switzerland AG, pp.1-40, 2023

## Refereed Congress / Symposium Publications in Proceedings

- I. **Genişletilmiş Grafit (E-Gr) ve Perflorododekanoik Asit İçeren Polimerik Matrikslerde Rutenyum Kompleksleri ile Oksijen tayini**  
Ulucan U., Oğuzlar S., Ertekin K.  
VI. Eser Analiz Kongresi, Manisa, Turkey, 5 - 08 September 2024, pp.125
- II. **Genişletilmiş Grafit (E-Gr) ve İyonik Sıvı Destekli Polimerik Matrikslerde CO<sub>2</sub>-HPTS Etkileşimlerinin İncelenmesi**  
Yıldırım M., Ertekin K., Ulucan U., Oğuzlar S.  
VI. Eser Analiz Kongresi, Manisa, Turkey, 5 - 08 September 2024, pp.126

- III. **Improvement of CO<sub>2</sub> response: Effect of SnO<sub>2</sub> and Ni-doped SnO<sub>2</sub> semiconductors on HPTS-based probes**  
Zeyrek Ogun M., Oğuzlar S.  
4th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2022), Ankara, Turkey, 14 December 2022
- IV. **Enhancement of CO<sub>2</sub> response of HPTS along with TiO<sub>2</sub> NPs and TiO<sub>2</sub>@Ag NPs**  
Oğuzlar S., Zeyrek Ogun M.  
ICASEM IV. Uluslararası Uygulamalı Bilimler, Mühendislik ve Matematik Kongresi, Tekirdağ, Turkey, 20 - 23 October 2022, pp.70
- V. **LU3AL5O12:CE3+ VE CA-A-SIALON:EU2+ OPTİK ÖZELLİKLERİNİN KİNİN SÜLFATLA ARTTIRILMASI**  
Ulucan U., Ertekin K., Oğuzlar S.  
3. ULUSLARARASI MÜHENDİSLİK BİLİMLERİ VE MULTİDİSİPLİNER YAKLAŞIMLAR KONGRESİ 3rd INTERNATIONAL CONGRESS ON ENGINEERING SCIENCES AND MULTIDISCIPLINARY APPROACHES, 10 - 11 February 2022, pp.827-828
- VI. **DEPOSITION OF NiO<sub>x</sub> and LiNiO<sub>x</sub> THIN FILMS BY RF MAGNETRON SPUTTER METHODS FOR USING IN PEROVSKITE SOLAR CELLS**  
Akalm S. A., Erol M., Uzunbayır B., Oğuzlar S., Yıldırım S.  
III. Ulusal Üniversite Sanayi İşbirliği AR-GE ve İnovasyon Kongresi, Manisa, Turkey, 29 December 2020
- VII. **KARBONDİOKSİT GAZININ FARKLI KORDİNASYON BİLEŞİKLERİ ORTAMLARINDA SPEKTROFLORİMETRİK TAYİNİ**  
İletmiş İ., ÖTER Ö., OĞUZLAR S.  
32. Ulusal Kimya Kongresi, Turkey, 17 - 19 September 2020
- VIII. **Boosting Optical Properties of SrAl<sub>2</sub>O<sub>4</sub>:Eu<sup>2+</sup>, Dy<sup>3+</sup> Afterglow Green Phosphor Along with Nanoparticles**  
OĞUZLAR S.  
International Science and Technology Conference (ISTEC 2020), Lefkoşa, Cyprus (Kktc), 2 - 04 September 2020
- IX. **Enhancement of optical oxygen sensing properties of [Ru(bpy)<sub>3</sub>]<sup>2+</sup>- based composites along with maghemite and ionic liquid**  
OĞUZLAR S., ZEYREK ONGUN M.  
2nd International Eurasian Conference on Biological and Chemical Sciences EurasianBioChem 2019, Ankara, Turkey, 28 - 29 June 2019
- X. **Characterization of undoped and Eu<sup>3+</sup> doped CeO<sub>2</sub> synthesized by sol-gel and flame spray pyrolysis methods**  
Oğuzlar S., Zeyrek Ogun M., Akalm S. A., Yıldırım S.  
International Eurasian Conference on Science, Engineering and Technology EurasianSciEnTech 2018, Ankara, Turkey, 22 - 23 November 2018
- XI. **Fabrication and Characterization of High Sensitive Flexible β-PVDF Based Piezoelectric Nanogenerator**  
Zeyrek Ogun M., Paralı L., Oğuzlar S., Yıldırım S.  
1st International Balkan Congress IBCC 2018, Edirne, Turkey, 17 - 20 September 2018
- XII. **Enhancement of CO<sub>2</sub> Gas Sensitive HPTS Dye Response by Adding Coordination Polymers (CPs)**  
ZEYREK ONGUN M., OĞUZLAR S., KÖSE P.  
International Science and Academic Congress INSAC 2018, Konya, Turkey, 8 - 09 December 2018
- XIII. **Production and Characterization of Fe<sub>2</sub>O<sub>3</sub> Nanoparticles Doped Piezoelectric Nanocomposite**  
OĞUZLAR S.  
International Science and Academic Congress INSAC 2018, Konya, Turkey, 8 - 09 December 2018
- XIV. **Structural and Luminescence Properties of Zinc Stannate Nanoparticles Synthesized via Sol-Gel and Flame Spray Pyrolysis Technique**  
Akalm S. A., Oğuzlar S., Zeyrek Ogun M., Yıldırım S.  
II. INTERNATIONAL UNIVERSITY INDUSTRY COOPERATION, RD AND INNOVATION CONGRESS, Manisa, Turkey, 14 - 15 November 2018

- XV. **Dissolved CO<sub>2</sub> Sensing with Fluorescent pH Probes in New Matrix Materials: Ionic Liquids**  
ERTEKİN K., OĞUZLAR S., ÖTER Ö., ERGÜN M. Y.  
Optical Chemical Sensors and Biosensors, Europt(r)ode IX, Dublin, Ireland, 30 March - 02 April 2008
- XVI. **İYONİK SIVI MODİFİYE ETİL SELULOZ MATRIKSTE 8-HİDROKSİPİREN 1,3,6-TRISULFONİKASIT'IN CO<sub>2</sub>'E YANITININ SPEKTROFLORİMETRİK YONTEMLE İNCELENMESİ**  
ÖTER Ö., ERTEKİN K., OĞUZLAR S.  
X. Ulusal Spektroskopi Kongresi, İzmir, Turkey, 4 - 07 July 2007
- XVII. **HDDA, DAMB VE MBDA SCHIFF BAZLARININ pH 11-6 ARALIGINDA OPTİK SENSOR ÖZELLİKLERİNİN SPEKTROSKOPİK METOTLARLA İNCELENMESİ**  
OĞUZLAR S., ÖTER Ö., ERTEKİN K.  
X. Ulusal Spektroskopi Kongresi, İzmir, Turkey, 4 - 07 July 2007
- XVIII. **İYONİK SIVI MODİFİYE SOL-JEL MATRIKSTE TRIS(BİPİRİDİN)RUTENYUM(II)'NİN OKSİJENE YANITININ SPEKTROFLORİMETRİK YONTEMLE İNCELENMESİ**  
ÖTER Ö., ERTEKİN K., OĞUZLAR S.  
X. Ulusal Spektroskopi Kongresi, İzmir, Turkey, 4 - 07 July 2007
- XIX. **UZUN DALGA BOYLARINDA UYARILABİLEN SCHIFF BAZLARININ FARKLI İYONİK SIVILARDA FOTOKARAKTERİZASYONU**  
ERTEKİN K., OĞUZLAR S., TOPKAYA TAŞKIRAN D., DENİZALTI S., ALP S., ÇETİNKAYA E.  
XX. Ulusal Kimya Kongresi, Kayseri, Turkey, 4 - 08 September 2006
- XX. **[N,N'-bis(salisiliden)-1,2-bis-(o-aminofenoksi)etan], (H<sub>2</sub>L) Ligandı ile [W(CO)<sub>4</sub>(H<sub>2</sub>L)] Kompleksinin Spektrofotometrik İncelenmesi ve (H<sub>2</sub>L) Yapısı ile Emisyon Esaslı Nanomolar Düzeyde Çinko Tayini**  
Karahana Gülbay S., Subaşı E., Oğuzlar S., Ertekin K., Temel H.  
XX. Ulusal Kimya Kongresi, Kayseri, Turkey, 4 - 08 September 2006, pp.21
- XXI. **FLUORESANS ÖZELLİK GÖSTEREN SCHIFF BAZLARININ İKİ FARKLI İYONİK SIVIDA FOTOKARAKTERİZASYONU**  
ERTEKİN K., OĞUZLAR S., TOPKAYA TAŞKIRAN D., DENİZALTI S., ALP S., ÇETİNKAYA E.  
XX. Ulusal Kimya Kongresi, Kayseri, Turkey, 4 - 08 September 2006
- XXII. **Fiber Optic pH sensing With Long Wavelength Excitable Schiff Bases in the pH range of 7.0-12.0**  
OĞUZLAR S., ERTEKİN K., ÖTER Ö., DENİZALTI S., ÇETİNKAYA E.  
Eighth European Conference on Optical Chemical and Biosensors, TUBINGEN, Germany, 2 - 05 April 2006
- XXIII. **Emission Based Fiber Optic pH Sensing With Newly Synthesized Symmetric Schiff Bases**  
OĞUZLAR S., ERTEKİN K., ÖTER Ö., DENİZALTI S., ÇETİNKAYA E.  
Eighth European Conference on Optical Chemical and Biosensors, TUBINGEN, Germany, 2 - 05 April 2006

## Supported Projects

Oğuzlar S., Köse Yaman P., Zeyrek Ongun M., Erol M., Project Supported by Higher Education Institutions, Koordinasyon Polimerlerinin Katkılandırılması ile Optoelektronik Uygulamalarda Kullanılan Fosforların Optik Özelliklerinin İyileştirilmesi, 2022 - 2024

Oğuzlar S., Erol M., Zeyrek Ongun M., Project Supported by Higher Education Institutions, METAL OKSİT NANOPARTİKULLERİNİN KATKILANDIRILMASI İLE CO<sub>2</sub> VE O<sub>2</sub> GAZLARINA DUYAR FLOROFORLARIN SENSOR ÖZELLİKLERİNİN GELİSTİRİLMESİ, 2021 - 2023

Köse Yaman P., Zeyrek Ongun M., Oğuzlar S., Erer H., Project Supported by Higher Education Institutions, 2,2-DİMİTİLGİUTARİK ASİT VE TRIAZOL TÜREVİ LİGANDLAR İLE YENİ KOORDİNASYON POLİMERLERİNİN SENTEZ VE KARAKTERİZASYONU, 2020 - 2022

Erol M., Akalın S. A., Yıldırım S., Oğuzlar S., Project Supported by Higher Education Institutions, Yeni Nesil Perovskit Güneş Hücrelerinde Boşluk Taşıyıcı Malzemelerin Üretilmesi ve Geliştirilmesi, 2019 - 2022

Ertekin K., TUBİTAK Project, Gaz haldeki ve çözünmüş CO<sub>2</sub>'in kantitatif tayinine yönelik kimyasal optik sensör geliştirilmesi, 2005 - 2009

## Scientific Refereeing

Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, National Scientific Refreed Journal, July 2024

ACS OMEGA, Journal Indexed in SCI-E, March 2024

CERAMICS INTERNATIONAL, Journal Indexed in SCI-E, March 2024

Celal Bayar Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, September 2023

Journal of the Turkish Chemical Society, Section A: Chemistry, National Scientific Refreed Journal, May 2023

Project Supported by Higher Education Institutions, BAP Research Project, Manisa Celal Bayar University, Turkey, May 2023

Handbook of Functionalized Carbon Nanostructures, Chapter Scientific / Professional Book Published by Renowned Publishing Houses, April 2023

JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, Journal Indexed in SCI-E, October 2022

Avrupa Bilim ve Teknoloji Dergisi, National Scientific Refreed Journal, January 2022

SILICON, Journal Indexed in SCI-E, September 2021

Düzce Üniversitesi Bilim ve Teknoloji Dergisi, National Scientific Refreed Journal, April 2021

JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, Journal Indexed in SCI-E, November 2020

JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, Journal Indexed in SCI-E, December 2019

## Metrics

Publication: 68

Citation (WoS): 367

Citation (Scopus): 397

H-Index (WoS): 10

H-Index (Scopus): 10

## Awards

Oğuzlar S., Ertekin K., Öter Ö., Denizaltı S., Bilimsel Yayınları Teşvik, Tübitak, January 2012

## Non Academic Experience

Company, Bilginoğlu Endüstri Malzemeleri Sanayi ve Ticaret A.Ş., Satış Destek

Company, Ecelak Boya ve Kimya San. Tic. Ltd. Şti., Ar-Ge

Company, En-Er Mühendislik Taahhüt Kimyasal Ürünler Tic. ve San. A.Ş., Satış