

Prof. KADRIYE ERTEKİN

Personal Information

Email: kadriye.ertekin@deu.edu.tr

Web: <https://avesis.deu.edu.tr/kadriye.ertekin>

International Researcher IDs

ScholarID: IC0oiXusekAAAAJ

ORCID: 0000-0001-9819-3610

Publons / Web Of Science ResearcherID: Q-3479-2019

ScopusID: 6602948804

Yoksis Researcher ID: 3761

Biography

Prof. Dr. Kadriye Ertekin

İlk orta ve yükseköğretimini sırasıyla, Sakarya Atatürk ilkokulu, İzmir Karşıyaka Kız Lisesi ve Ege Üniversitesi Fen Fakültesi'nde tamamlamıştır. Yüksek Lisans ve Doktora derecelerini Celal Bayar Üniversitesi ve Ege Üniversitesi Fen Bilimleri Enstitüsü'nden almış, doktora sırasında Almanya Regensburg Üniversitesi "Institute of Analytical Chemistry, Chemo- and Biosensors" Enstitüsü'nde bilimsel araştırmalar yapmıştır. SCI kapsamındaki dergilerde basılmış 90 adet makalesi, ulusal ve uluslararası toplantılarda sunulmuş 120 adet bildirisi ve 1600 ün üzerinde atfı bulunmaktadır. 2003 yılından bu yana Dokuz Eylül Üniversitesi Fen Fakültesi Kimya Bölümü Analitik Kimya Anabilim Dalı'nda öğretim üyesi olarak çalışmaktadır. Başlıca araştırma konuları, karbon dioksit, oksijen, katyon ve pH ölçümüne yönelik kimyasal optik sensör geliştirme, fiber optik sensörler, floresans ve fosforsans esaslı analizler, fosforlar, nano boyutlu fonksiyonel malzemeler ve iş güvenliğinde kimyasal riskler olarak sıralanabilir.

Education

Doctorate, Ege University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1996 - 2001

Postgraduate, Celâl Bayar Üniversitesi, Fen Bilimleri Enstitüsü, Analitik Kimya (YI) (Tezli), Turkey 1993 - 1996

Undergraduate, Ege University, Faculty Of Science, Kimya Bölümü, Turkey 1980 - 1985

Dissertations

Doctorate, Development of new optical sensors for cation sensing, Ege University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2001

Postgraduate, Bazı organik bileşiklerin susuz ortam titrasyonları, Manisa Celal Bayar University, Fen Bilimleri Enstitüsü, Analitik Kimya (YI) (Tezli), 1996

Research Areas

Natural Sciences

Academic Positions

Academic Positions

Professor, Dokuz Eylul University, Fen Fakültesi, Kimya Bölümü, 2011 - Continues

Associate Professor, Dokuz Eylul University, Fen Fakültesi, Kimya Bölümü, 2005 - 2011

Academic and Administrative Experience

Rektörlük Akademik Teşvik Değerlendirme Komisyonu Üyesi, Dokuz Eylul University, Fen Fakültesi, Kimya Bölümü, 2022 - Continues

Director of The Institution, Dokuz Eylul University, 2017 - 2020

Farabi Program Institutional Coordinator, Dokuz Eylul University, 2012 - 2015

Courses

Doctorate

Ph.D. Seminar, Doctorate, 2022 - 2023

PH.D.THESIS, Doctorate, 2014 - 2015

PH.D.RESEARCH, Doctorate, 2014 - 2015

Postgraduate

M.Sc. Thesis, Postgraduate, 2023 - 2024

Ph.D. Research, Postgraduate, 2022 - 2023

Ph.D.Research, Postgraduate, 2022 - 2023

Ph.D.Thesis, Postgraduate, 2022 - 2023

Fiber Optic Chemical Sensors and Nanosensors, Postgraduate, 2023 - 2024

M.Sc. Research, Postgraduate, 2023 - 2024

Toxic Effects of Industrial Chemicals and Regarding Safety Rules, Postgraduate, 2022 - 2023

Ph.D.Thesis, Postgraduate, 2022 - 2023

Luminescent Molecules and Nanomaterials, Postgraduate, 2022 - 2023

PhD Research, Postgraduate, 2022 - 2023

NNE5015, Postgraduate, 2022 - 2023

Fiber optic chemical sensors and nanosensors, Postgraduate, 2022 - 2023

OPTICAL CHEMICAL SENSORS, Postgraduate, 2014 - 2015

LUMINESCENT MOLECULES, Postgraduate, 2014 - 2015

TOXIC EFFECTS OF INDUSTRIAL CHEMICALS AND REGARDING SAFETY RULES, Postgraduate, 2014 - 2015

M.SC. THESIS, Postgraduate, 2014 - 2015

M.SC. RESEARCH, Postgraduate, 2014 - 2015

Undergraduate

Enstrumental Analysis II, Undergraduate, 2022 - 2023

Analitik kimya I, Undergraduate, 2023 - 2024

CHE 4220 Water Analysis and ion Exchange Technologies, Undergraduate, 2022 - 2023

Analitik kimya I laboratuvarı, Undergraduate, 2023 - 2024

Water analysis and ion exchange technologies, Undergraduate, 2022 - 2023

ANALİTİK KİMYA I, Undergraduate, 2022 - 2023

KİMYA I, Undergraduate, 2014 - 2015

TEMEL SU ANALİZ TEKNİKLERİ VE İYON KROMATOĞRAFİSİ YAKLAŞIMI, Undergraduate, 2014 - 2015

KİMYADA İŞ GÜVENLİĞİ VE HİJYEN, Undergraduate, 2014 - 2015

ANALİTİK KİMYA LABORATUVARI I, Undergraduate, 2014 - 2015

ALETLİ ANALİZ I, Undergraduate, 2014 - 2015

ALETLİ ANALİZ II, Undergraduate, 2014 - 2015

ALETLİ ANALİZ I LAB, Undergraduate, 2014 - 2015

Supervised Theses

- Ertekin K., Oxygen analysis in the presence of volatile organic compounds (VOCs) in workplace environment, Doctorate, Y.Emre(Student), Continues
- Ertekin K., Investigation of solubility and retention of carbon dioxide in different polymer-supported ionic liquid media, Doctorate, F.Alıkma(Student), in Progress
- Ertekin K., Nano-mikro ölçekli parçacıklar için yeni filtre malzemesi geliştirilmesi, Doctorate, Z.TOK(Student), 2024
- Ertekin K., MANIPULATION OF SPECTRAL PROPERTIES OF POLYMER EMBEDDED PHOSPHORS AND DYES BY USING METALLIC NANOPARTICLES, Doctorate, İ.Aydın(Student), 2023
- ERTEKİN K., Risk assessment study for the nanomaterial production laboratories and a spectrofluorimetric approach for the quantification of submicron powders, Doctorate, F.DENİZ(Student), 2023
- ERTEKİN K., Manipulation of spectral properties of polymer embedded phosphors and dyes by using metallic nanoparticles, Doctorate, İ.AYDIN(Student), 2023
- Ertekin K., Investigation of optical properties and stabilities of some phosphor/ organic dye/ combinations in polymeric matrices, Doctorate, B.YILDIRIM(Student), 2022
- Ertekin K., Optoelektronik uygulamalara yönelik nano malzeme destekli florofor, fosfor veya fosfor karışımlarının polimerik matrislerde incelenmesi, Doctorate, U.ULUCAN(Student), 2022
- ERTEKİN K., Establishing a chemical hygiene plan for İzmir çığlı wastewater treatment plant, Postgraduate, Ç.HATIRNAZ(Student), 2021
- ERTEKİN K., Dijital radyografi sisteminin tasarımı, geliştirilmesi ve üretimi, Doctorate, İ.ARİTMAN(Student), 2019
- ERTEKİN K., Bazı organik boyaların polimerik matrislerde optik özellikleri ve potansiyellerinin incelenmesi, Postgraduate, Ç.KABAKCI(Student), 2018
- ERTEKİN K., Nadir toprak metali doplanmış fosforların optik kimyasal sensör olma potansiyellerinin araştırılması, Postgraduate, G.ERDOĞAN(Student), 2017
- ERTEKİN K., Basic sampling and instrumental methods in indoor air quality measurement and related standards, Postgraduate, İ.AYDIN(Student), 2017
- ERTEKİN K., Investigation of nano-scale Sr₄Al₁₄O₂₅: Eu²⁺/Dy³⁺ phosphors for optical chemical sensing purposes, Postgraduate, İ.AYDIN(Student), 2017
- ERTEKİN K., Emission controls, threshold limit values and analysis methods for inorganic vapors and gaseous in workplace environments, Postgraduate, Z.TOK(Student), 2017
- ERTEKİN K., ÖTER Ö., Kuyumculuk sektöründe işyeri ortamındaki asit buharlarının algılanması için nano malzeme esaslı optik kimyasal sensör geliştirilmesi, Postgraduate, H.ESRA(Student), 2016
- ERTEKİN K., Petrokimya sentöründe işyeri ortamındaki oksijen seviyesinin algılanması için nano malzeme esaslı optik kimyasal sensör geliştirilmesi, Postgraduate, Z.AY(Student), 2015
- ERTEKİN K., İnce film ve nanofiber içine doplanmış floresans problemlerin optik sensör performanslarının kıyaslanması, Postgraduate, R.AZRAK(Student), 2014
- ERTEKİN K., Development of nano material based sensors for determination of some-cation/anion in groundwater and complementary usage of ion chromatography, Doctorate, M.ZEYREK(Student), 2013
- ERTEKİN K., Sulu örneklerde bazı seçilmiş katyon ve anyonların tayinine yönelik optik kimyasal nanosensör tasarlanması ve girişim etkilerinin değerlendirilmesi, Doctorate, S.KAÇMAZ(Student), 2012
- ERTEKİN K., New fiber optic compatible chromophore/matrix combinations for hco₃⁻ analysis in real groundwater samples, Doctorate, S.AYDOĞDU(Student), 2012
- ERTEKİN K., Çözünmüş ve gaz karbon dioksit için yeni matris malzemelerinin uygulaması ve fiber optik karbon dioksit sensör tasarımı, Doctorate, S.DERİNKUYU(Student), 2010
- ERTEKİN K., İyon kromatografi ve spektroskopik metod ile jeotermal su örneklerinde katyon analizleri, Postgraduate, S.KAÇMAZ(Student), 2009
- ERTEKİN K., Bazı kromiyonofor yapılarının sensör geliştirme amaçlı olarak optik fiberler ile fotokarakterizasyonu, Postgraduate, M.TÜRE(Student), 2008
- ERTEKİN K., Jeotermal sularındaki anyonların iyon kromatografisi ve bikarbonatın spektroskopik metod ile tayini, Postgraduate, M.ZEYREK(Student), 2008
- ERTEKİN K., Bazı kromiyonofor yapıların polimer ve sol jel matrislerde sensör özelliklerinin incelenmesi, Doctorate,

Ö.ÖTER(Student), 2007

ERTEKİN K., Modification of indicators for carbon dioxide determination and application in some polymer matrices, Postgraduate, S.DERİNKUYU(Student), 2006

Jury Memberships

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Dokuz Eylül Üniversitesi, January, 2023

Appointment to Academic Staff-Professorship, Appointment Academic Staff, Manisa Celal Bayar Üniversitesi, November, 2022

Associate Professor Exam, Associate Professor Exam, Dokuz Eylül Üniversitesi, September, 2022

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Emission based response of Er³⁺, Tb³⁺, and Er³⁺-Tb³⁺-co-doped 1393 bioactive glasses along with HPTS towards CO₂**
Ulucan U., OĞUZLAR S., Deliormanlı A. M., ERTEKİN K.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.459, 2025 (SCI-Expanded)
- II. **Enhancement of the photocatalytic efficiency of ZnO utilizing luminescent Y₂O₃ particles**
Gultekin S., BİRLİK I., OĞUZLAR S., ERTEKİN K.
MATERIALS RESEARCH EXPRESS, vol.11, no.11, 2024 (SCI-Expanded)
- III. **Emission-based sensing of cobalt (II) and vitamin B12 via a bis-indole derivative**
Mumcu T., Oncuoglu S., Hizliates C., Ertekin K.
LUMINESCENCE, vol.39, no.8, 2024 (SCI-Expanded)
- IV. **Quantification of Airborne Concentrations of Nanoscale Dusts by Particle Gravimetry Using Ionic-Liquid Modified Polymeric Electrospun Fibers**
Tok Z., ERTEKİN K.
MACROMOLECULAR MATERIALS AND ENGINEERING, vol.309, no.7, 2024 (SCI-Expanded)
- V. **An emission based optical CO₂ sensor fabricated on grating-like TiO₂ substrates using HPTS**
Yılmaz O., Ebeoglugil F., Aydin I., Dalmış R., Ertekin K.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.305, 2024 (SCI-Expanded)
- VI. **Quantification of airborne concentrations of micro-scale and submicron phosphors in the manufacturing environment by spectrofluorometric method**
DENİZ F., Ertekin K., Ulucan U.
CHEMICAL PAPERS, vol.76, no.12, pp.7633-7646, 2022 (SCI-Expanded)
- VII. **Investigation of TiO₂ and Ce³⁺-activated TiO₂ particles on optical properties of the PMMA embedded YAG: Ce³⁺ and LuAG: Ce³⁺**
Yildirim B., Keskin Ö. Y., Dalmis R., Birlik I., Azem F. A., Ertekin K.
OPTICAL MATERIALS, vol.133, 2022 (SCI-Expanded)
- VIII. **Enhancement of optical properties of Lu₃Al₅O₁₂:Ce³⁺ and Ca- α -SiAlON:Eu²⁺ 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)
- IX. **Investigation of light induced interactions between ZnO nano-particles and red emitting phosphor**

blends of $\text{Eu}^{2+}/\text{Dy}^{3+}$ doped strontium aluminate and Eu^{2+} doped Ca- α -Sialon

Oğuzlar S., Zeyrek Ongun M., Ertekin K.

JOURNAL OF LUMINESCENCE, vol.238, 2021 (SCI-Expanded)

- X. **Manipulation of brightness and decay kinetics of LuAG: Ce^{3+} and YAG: Ce^{3+} by simple metal oxides in polymeric matrices**
Yildirim B., KESKİN Ö. Y., OĞUZLAR S., BİRLİK I., Azem F. A., ERTEKİN K.
OPTICS AND LASER TECHNOLOGY, vol.142, 2021 (SCI-Expanded)
- XI. **Structural and luminescent properties of Er^{3+} and Tb^{3+} -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)
- XII. **Manipulating spectral properties of the Hg (II) sensitive carbazole-oxadiazole derivative by silver nanoparticles: Two different sensing mechanisms for the same probe**
Aydin I., ERTEKİN K., ÖNCÜOĞLU S., GÜNDOĞDU HIZLIATEŞ C.
OPTICAL MATERIALS, vol.115, 2021 (SCI-Expanded)
- XIII. **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)
- XIV. **Synthesis, characterization and oxygen sensitivity of cyclophosphazene equipped -iridium (III) complexes**
ZEYREK ONGUN M., Sahin M., Akbal T., Avsar N., Karakas H., ERTEKİN K., ATILLA D., İBİŞOĞLU H., Topal S. Z.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.239, 2020 (SCI-Expanded)
- XV. **Enhancing optical properties of $\text{Lu}_3\text{Al}_5\text{O}_{12}:\text{Ce}^{3+}$ by cost-effective silica-based photonic crystals**
Yildirim B., DALMIŞ R., ERTEKİN K., BİRLİK I., Azem F. A.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.31, no.13, pp.10267-10278, 2020 (SCI-Expanded)
- XVI. **Investigation of Spectral Interactions between a $\text{SrAl}_2\text{O}_4:\text{Eu}^{2+}$, Dy^{3+} Phosphor and Nano-Scale TiO_2**
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)
- XVII. **Boosting optical performance of polymer embedded phosphors using iodine-free and iodine-decorated sol-gel synthesized $\alpha\text{-Fe}_2\text{O}_3$**
Yildirim B., ERTEKİN K., DEMİRCİ S., Gultekin S.
OPTICAL MATERIALS, vol.95, 2019 (SCI-Expanded)
- XVIII. **Improvement of the O-2 detection: Substituent's effect on Pd(II) meso-tetraphenylporphyrin probes**
ZEYREK ONGUN M., Topal S. Z., Yel Z., ERTEKİN K., Onal E., Hirel C.
SENSORS AND ACTUATORS B-CHEMICAL, vol.288, pp.316-324, 2019 (SCI-Expanded)
- XIX. **Enhanced Luminescence Based Response towards pH in Highly Acidic Environments by the Silver Nanoparticles and Ionic Liquids**
Kabak H. E., ERTEKİN K., ZEYREK ONGUN M., DENİZALTI S.
JOURNAL OF FLUORESCENCE, vol.29, no.3, pp.549-567, 2019 (SCI-Expanded)
- XX. **Sol-gel synthesis, characterization, and photoluminescence properties of sub-micron $\text{Gd}_2\text{O}_3\text{SO}_4$ powders**
Aritman İ., Yıldırım S., Ebeoğlu M. F., Yurddaşkal M., Ertekin K., Celik E.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.53, no.2, pp.457-463, 2017 (SCI-Expanded)
- XXI. **Hyperporphyrin effect on oxygen sensitivity of free meso-tetraphenylporphyrins**
Topal S. Z., ZEYREK ONGUN M., Onal E., ERTEKİN K., HİREL C.
DYES AND PIGMENTS, vol.144, pp.102-109, 2017 (SCI-Expanded)
- XXII. **Luminescent properties of scintillator nanophosphors produced by flame spray pyrolysis**

- Yıldırım S., Asal E. C. K., Ertekin K., Celik E.
JOURNAL OF LUMINESCENCE, vol.187, pp.304-312, 2017 (SCI-Expanded)
- XXIII. **Lifetime-Based Oxygen Sensing Properties of palladium(II) and platinum(II) meso-tetrakis(4-phenylethynyl)phenylporphyrin**
Onal E., Sass S., Hurpin J., ERTEKİN K., Topal S. Z., Kumke M. U., HİREL C.
JOURNAL OF FLUORESCENCE, vol.27, no.3, pp.861-868, 2017 (SCI-Expanded)
- XXIV. **Production, characterization, and luminescent properties of Eu³⁺ doped yttrium niobate-tantalate films**
Yıldırım S., Demirci S., Ertekin K., Celik E., Alicikus Z. A.
JOURNAL OF ADVANCED CERAMICS, vol.6, no.1, pp.33-42, 2017 (SCI-Expanded)
- XXV. **Sol-gel synthesized Sr₄Al₁₄O₂₅:Eu²⁺/Dy³⁺ blue-green phosphorous as oxygen sensing materials**
Aydin I., ERTEKİN K., DEMİRCİ S., Gultekin S., Celik E.
OPTICAL MATERIALS, vol.62, pp.285-296, 2016 (SCI-Expanded)
- XXVI. **Polyoxy-Derivatized Perylenediimide as Selective Fluorescent Ag (I) Chemosensor**
ZEYREK ONGUN M., ERTEKİN K., NADEEM S., BİREL Ö.
JOURNAL OF FLUORESCENCE, vol.26, no.6, pp.2311-2320, 2016 (SCI-Expanded)
- XXVII. **Structural and luminescence properties of undoped, Nd³⁺ and Er³⁺ doped TiO₂ nanoparticles synthesized by flame spray pyrolysis method**
Yıldırım S., Yurddaşkal M., Dikici T., Aritman İ., Ertekin K., Celik E.
CERAMICS INTERNATIONAL, vol.42, no.9, pp.10579-10586, 2016 (SCI-Expanded)
- XXVIII. **Suppression of interfering ions by using ionic liquid and micelle moieties in spectrofluorimetric analysis of manganese**
ÖTER Ö., Aydin M., ERTEKİN K.
TURKISH JOURNAL OF CHEMISTRY, vol.40, no.3, pp.373-384, 2016 (SCI-Expanded)
- XXIX. **Design of oxygen sensing nanomaterial: synthesis, encapsulation of phenylacetylide substituted Pd(II) and Pt(II) meso-tetraphenylporphyrins into poly(1-trimethylsilyl-1-propyne) nanofibers and influence of silver nanoparticles**
Onal E., Ay Z., Yel Z., ERTEKİN K., GÜREK A. G., Topal S. Z., HİREL C.
RSC ADVANCES, vol.6, no.12, pp.9967-9977, 2016 (SCI-Expanded)
- XXX. **Manipulation of pH induced sensitivity of a fluorescent probe in presence of silver nanoparticles**
KAÇMAZ S., ERTEKİN K., ÖTER Ö., GÜNDOĞDU HIZLIATEŞ C., Ergun Y., Celik E.
JOURNAL OF LUMINESCENCE, vol.168, pp.228-235, 2015 (SCI-Expanded)
- XXXI. **Oxygen sensing properties of embedded amphiphilic ruthenium(II) derivatives in presence of silver nanoparticles**
Ay Z., ERTEKİN K., Celik E., Varlikli C., Sahin C.
Sensor Letters, vol.13, no.9, pp.802-812, 2015 (SCI-Expanded)
- XXXII. **Synthesis and spectral characterization of Sr₄Al₁₄O₂₅:Eu²⁺/Dy³⁺ blue-green phosphorous powders by sol-gel method**
DEMİRCİ S., Gultekin S., AKALIN S. A., ÖTER Ö., ERTEKİN K., Celik E.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.31, pp.611-617, 2015 (SCI-Expanded)
- XXXIII. **An ultra sensitive fluorescent nanosensor for detection of ionic copper**
KAÇMAZ S., ERTEKİN K., Mercan D., ÖTER Ö., Cetinkaya E., Celik E.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.135, pp.551-559, 2015 (SCI-Expanded)
- XXXIV. **Tuning oxygen sensitivity of ruthenium complex exploiting silver nanoparticles**
Ozturk O., Öter Ö., Yıldırım S., Subaşı E., Ertekin K., Celik E., Temel H.
JOURNAL OF LUMINESCENCE, vol.155, pp.191-197, 2014 (SCI-Expanded)
- XXXV. **A novel fluorescent nano-scale sensor for detection of trace amounts of Ca (II) ions**
KAÇMAZ S., ERTEKİN K., ÖTER Ö., Mercan D., Cetinkaya E., Celik E.
JOURNAL OF LUMINESCENCE, vol.147, pp.265-272, 2014 (SCI-Expanded)
- XXXVI. **Emission Based Sensing of Subnanomolar Dissolved Carbon Dioxide Exploiting Electrospun**

Nanofibers

Aydogdu S., ERTEKİN K., Gocmenturk M., Ergun Y., Celik E.

INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.63, no.4, pp.197-206, 2014 (SCI-Expanded)

- XXXVII. **Enhanced CO₂ Sensing with Ionic Liquid Modified Electrospun Nanofibers: Effect of Ionic Liquid Type**

ÖTER Ö., Sabanci G., ERTEKİN K.

SENSOR LETTERS, vol.11, no.9, pp.1591-1599, 2013 (SCI-Expanded)

- XXXVIII. **Investigation of optical and electrochemical properties as well as metal ion sensitivities of different number of crown ether appended phthalocyanines**

Topal S. Z., ATILLA D., ERTEKİN K., Tommasino J. B., Luneau D., GÜREK A. G.

JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.17, pp.682-690, 2013 (SCI-Expanded)

- XXXIX. **Enhanced stability of ruthenium complex in ionic liquid doped electrospun fibers**

ZEYREK ONGUN M., ÖTER Ö., Sabanci G., ERTEKİN K., Celik E.

SENSORS AND ACTUATORS B-CHEMICAL, vol.183, pp.11-19, 2013 (SCI-Expanded)

- XL. **Significant sensitivity and stability enhancement of tetraphenylporphyrin-based optical oxygen sensing material in presence of perfluorochemicals**

Topal S. Z., Onal E., ERTEKİN K., ÖTER Ö., GÜREK A. G., HİREL C.

JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.17, pp.431-439, 2013 (SCI-Expanded)

- XLI. **Determination of Hg(II) at sub-nanomolar levels: A comparative study with nanofibrous materials and continuous thin films**

ZEYREK ONGUN M., ERTEKİN K., GÜNDOĞDU HIZLIATEŞ C., ÖTER Ö., Ergun Y., Celik E.

SENSORS AND ACTUATORS B-CHEMICAL, vol.181, pp.244-250, 2013 (SCI-Expanded)

- XLII. **Selective sensing of Fe³⁺ at pico-molar level with ethyl cellulose based electrospun nanofibers**

Kacmaz S., ERTEKİN K., Gocmenturk M., Suslu A., Ergun Y., Celik E.

REACTIVE & FUNCTIONAL POLYMERS, vol.73, no.4, pp.674-682, 2013 (SCI-Expanded)

- XLIII. **Copper ion sensing with fluorescent electrospun nanofibers**

ZEYREK ONGUN M., ERTEKİN K., Gocmenturk M., Ergun Y., Suslu A.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.90, pp.177-185, 2012 (SCI-Expanded)

- XLIV. **Sub-nanomolar sensing of ionic mercury with polymeric electrospun nanofibers**

Kacmaz S., ERTEKİN K., Suslu A., Ergun Y., Celik E., CÖCEN Ü.

MATERIALS CHEMISTRY AND PHYSICS, vol.133, no.1, pp.547-552, 2012 (SCI-Expanded)

- XLV. **A new absorption based CO₂ sensor based on Schiff base doped ethyl cellulose**

Topal S. Z., ERTEKİN K., Yenigul B., Ercag A.

TURKISH JOURNAL OF CHEMISTRY, vol.36, no.4, pp.503-514, 2012 (SCI-Expanded)

- XLVI. **Dissolved Carbon Dioxide Sensing with Phenyl-Linked Carbazole Oxazolones in Ionic Liquid and Ethyl Cellulose Moieties**

Celik S., ERTEKİN K., GÜNDOĞDU HIZLIATEŞ C., Ergun Y., ALP S.

SPECTROSCOPY LETTERS, vol.45, no.1, pp.74-83, 2012 (SCI-Expanded)

- XLVII. **Tuning pH sensitivities of zinc phthalocyanines in ionic liquid modified matrices**

Topal S. Z., ERTEKİN K., GÜREK A. G., Yenigul B., AHSAN V.

SENSORS AND ACTUATORS B-CHEMICAL, vol.156, no.1, pp.236-244, 2011 (SCI-Expanded)

- XLVIII. **Emission based sub-nanomolar silver sensing with electrospun nanofibers**

Kacmaz S., ERTEKİN K., Suslu A., Ozdemir M., Ergun Y., Celik E., CÖCEN Ü.

SENSORS AND ACTUATORS B-CHEMICAL, vol.153, no.1, pp.205-213, 2011 (SCI-Expanded)

- XLIX. **Optical CO₂ Sensing with Ionic Liquid Doped Electrospun Nanofibers**

Aydogdu S., ERTEKİN K., Suslu A., Ozdemir M., Celik E., CÖCEN Ü.

JOURNAL OF FLUORESCENCE, vol.21, no.2, pp.607-613, 2011 (SCI-Expanded)

- L. **Multi-disciplinary earthquake researches in Western Turkey: Hints to select sites to study geochemical transients associated to seismicity**

İnan S., ERTEKİN K., Seyis C., Simsek S., Kulak F., Dikbas A., TAN O., Ergintav S., Cakmak R., Yoruk A., et al.
ACTA GEOPHYSICA, vol.58, no.5, pp.767-813, 2010 (SCI-Expanded)

- LI. **Silver and proton driven fluorescent multiple-mode molecular logic gates employing phthalocyanines**
Topal S. Z., GÜREK A. G., ERTEKİN K., ATİLLA D., Yenigul B., AHSEN V.
MATERIALS CHEMISTRY AND PHYSICS, vol.121, no.3, pp.425-431, 2010 (SCI-Expanded)
- LII. **Fluorescent Probes for Silver Detection Employing Phthalocyanines in Polymer Matrices**
Topal S. Z., GÜREK A. G., ERTEKİN K., ATİLLA D., Yenigul B., AHSEN V.
SENSOR LETTERS, vol.8, no.2, pp.336-343, 2010 (SCI-Expanded)
- LIIL. **An Ion Chromatography Method for the Determination of Major Anions In Geothermal Water Samples**
ZEYREK ONGUN M., ERTEKİN K., Kacmaz S., Seyis C., İnan S.
GEOSTANDARDS AND GEOANALYTICAL RESEARCH, vol.34, no.1, pp.67-77, 2010 (SCI-Expanded)
- LIV. **A Long Wavelength Excitable Fluorophore; Chloro Phenyl Imino Propenyl Aniline (CPIPA) for Selective Sensing of Hg (II)**
ERTEKİN K., ÖTER Ö., Türe M., DENİZALTI S., Cetinkaya E.
JOURNAL OF FLUORESCENCE, vol.20, no.2, pp.533-540, 2010 (SCI-Expanded)
- LV. **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)
- LVI. **Spectroscopic probing of acid-base properties and photocharacterization of phthalocyanines in organic solvents and polymer matrices**
Topal S. Z., YÜKSEL F., GÜREK A. G., ERTEKİN K., Yenigul B., AHSEN V.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.202, pp.205-213, 2009 (SCI-Expanded)
- LVII. **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)
- LVIII. **Determination of pK(a) Values of Clinically Important Perfluorochemicals in Nonaqueous Media**
Haklı O., ERTEKİN K., ÖZER M. S., Aycan S.
JOURNAL OF ANALYTICAL CHEMISTRY, vol.63, no.11, pp.1051-1056, 2008 (SCI-Expanded)
- LIX. **Ratiometric sensing of CO₂ in ionic liquid modified ethyl cellulose matrix**
ÖTER Ö., ERTEKİN K., Derinkuyu S.
TALANTA, vol.76, no.3, pp.557-563, 2008 (SCI-Expanded)
- LX. **Emission based oxygen sensing approach with tris(2,2'-bipyridyl)ruthenium(II)chloride in green chemistry reagents: room temperature ionic liquids**
Topal S. Z., ERTEKİN K., TOPKAYA TAŞKIRAN D., ALP S., Yenigul B.
MICROCHIMICA ACTA, vol.161, pp.209-216, 2008 (SCI-Expanded)
- LXI. **Photocharacterization of novel ruthenium dyes and their utilities as oxygen sensing materials in presence of perfluorochemicals**
ÖTER Ö., ERTEKİN K., Dayan O., Cetinkaya B.
JOURNAL OF FLUORESCENCE, vol.18, no.2, pp.269-276, 2008 (SCI-Expanded)
- LXII. **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)
- LXIII. **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)
- LXIV. **Characterization of a newly synthesized fluorescent benzofuran derivative and usage as a selective fiber optic sensor for Fe(III)**
Oter Ö., ERTEKİN K., Kirilmis C., Koca M., Ahmedzade M.

SENSORS AND ACTUATORS B-CHEMICAL, vol.122, no.2, pp.450-456, 2007 (SCI-Expanded)

- LXV. **Spectral characterization of a newly synthesized fluorescent semicarbazone derivative and its usage as a selective fiber optic sensor for copper(II)**
Oter Ö., ERTEKİN K., Kirilmis C., Koca M.
ANALYTICA CHIMICA ACTA, vol.584, no.2, pp.308-314, 2007 (SCI-Expanded)
- LXVI. **Fluorescence emission studies of 4-(2-furylmethylene)-2-phenyl-5-oxazolone embedded in polymer thin film and detection of Fe³⁺ ion**
Ozturk G., ALP S., ERTEKİN K.
DYES AND PIGMENTS, vol.72, no.2, pp.150-156, 2007 (SCI-Expanded)
- LXVII. **Photocharacterization of a novel fluorescent Schiff Base and investigation of its utility as an optical Fe³⁺ sensor in PVC matrix**
Oter Ö., ERTEKİN K., Kilincarslan R., Ulusoy M., Cetinkaya B.
DYES AND PIGMENTS, vol.74, no.3, pp.730-735, 2007 (SCI-Expanded)
- LXVIII. **Emission-based optical carbon dioxide sensing with HPTS in green chemistry reagents: room-temperature ionic liquids**
Oter Ö., ERTEKİN K., TOPKAYA TAŞKIRAN D., ALP S.
ANALYTICAL AND BIOANALYTICAL CHEMISTRY, vol.386, no.5, pp.1225-1234, 2006 (SCI-Expanded)
- LXIX. **Room temperature ionic liquids as optical sensor matrix materials for gaseous and dissolved CO₂**
Oter Ö., ERTEKİN K., TOPKAYA TAŞKIRAN D., ALP S.
SENSORS AND ACTUATORS B-CHEMICAL, vol.117, no.1, pp.295-301, 2006 (SCI-Expanded)
- LXX. **Enhanced emission based optical carbon dioxide sensing in presence of perfluorochemicals (PFCs)**
ERTEKİN K., ALP S.
SENSORS AND ACTUATORS B-CHEMICAL, vol.115, no.2, pp.672-677, 2006 (SCI-Expanded)
- LXXI. **Glucose sensing employing fluorescent pH indicator: 4-[(p-N,N-dimethylamino)benzylidene]-2-phenyloxazole-5-one**
ERTEKİN K., Cinar S., Aydemir T., ALP S.
DYES AND PIGMENTS, vol.67, no.2, pp.133-138, 2005 (SCI-Expanded)
- LXXII. **Determination of pK(a) values of azlactone dyes in non-aqueous media**
ERTEKİN K., ALP S., Yalcin I.
DYES AND PIGMENTS, vol.65, no.1, pp.33-38, 2005 (SCI-Expanded)
- LXXIII. **Optical pH sensor based on spectral response of newly synthesized Schiff bases**
Hazneci C., ERTEKİN K., Yenigul B., Cetinkaya E.
DYES AND PIGMENTS, vol.62, no.1, pp.35-41, 2004 (SCI-Expanded)
- LXXIV. **Photostability studies of thermomesomorphic derivatives of 2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione**
ALP S., ERTEKİN K., Horn M., Icli S.
DYES AND PIGMENTS, vol.60, no.2, pp.103-110, 2004 (SCI-Expanded)
- LXXV. **Enhanced optical oxygen sensing using a newly synthesized ruthenium complex together with oxygen carriers**
ERTEKİN K., Kocak S., Ozer M., Aycan S., Cetinkaya B.
TALANTA, vol.61, no.4, pp.573-579, 2003 (SCI-Expanded)
- LXXVI. **Photophysical and photochemical characteristics of an azlactone dye in sol-gel matrix; a new fluorescent pH indicator**
ERTEKİN K., Karapire C., ALP S., Yenigul B., Icli S.
DYES AND PIGMENTS, vol.56, no.2, pp.125-133, 2003 (SCI-Expanded)
- LXXVII. **Characterization of a reservoir-type capillary optical microsensor for pCO₂ measurements**
ERTEKİN K., Klimant I., Neurauder G., Wolfbeis O.
TALANTA, vol.59, no.2, pp.261-267, 2003 (SCI-Expanded)
- LXXVIII. **Fiber optic sodium and potassium sensing by using a newly synthesized squaraine dye in PVC matrix**
ERTEKİN K., Tepe M., Yenigul B., Akkaya E., Henden E.
TALANTA, vol.58, no.4, pp.719-727, 2002 (SCI-Expanded)

- LXXIX. **Potassium sensing by using a newly synthesized squaraine dye in sol-gel matrix**
ERTEKİN K., Yenigul B., Akkaya E.
JOURNAL OF FLUORESCENCE, vol.12, no.2, pp.263-268, 2002 (SCI-Expanded)
- LXXX. **Fluorescence emission studies of an azlactone derivative embedded in polymer films - An optical sensor for pH measurements**
ERTEKİN K., ALP S., Karapire C., Yenigul B., Henden E., Icli S.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.137, pp.155-161, 2000 (SCI-Expanded)

Articles Published in Other Journals

- I. **Spectral interactions of graphitic carbon nitride (g-C₃N₄) with Ce³⁺-activated LuAG and YAG**
Turkmen B. Y., ÖZDEMİR E. T., Uzunbayir B., EROL M., ERTEKİN K.
Emergent Materials, 2025 (ESCI)
- II. **Enhanced luminescence of a silica-nitride phosphor; La₃Si₆N₁₁:Ce³⁺ by using Cr³⁺-activated TiO₂ nanoparticles**
Aydın I., Ertekin K., Azem F. A., Delice T. K., Birlik I.
INTERNATIONAL JOURNAL OF CERAMIC ENGINEERING AND SCIENCE, vol.6, no.1, 2024 (ESCI)

Books

- I. **Bölüm 22 Analitik Ayırmalara Giriş**
Adalet T., KENAR A., ÖZCAN A., SOLAK A. O., DEMİR C., ARPA ŞAHİN Ç., KENDÜZLER E., AYRANCI E., ERÇAĞ E., ÇELİKKAN H., et al.
in: Nicel Kimyasal Analiz, Ali Rehber Türker , Editor, PALME, pp.537-594, 2015

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Genişletilmiş Grafit (E-Gr) ve İyonik Sıvı Destekli Polimerik Matrislerde CO₂-HPTS Etkileşimlerinin İncelenmesi**
Yıldırım M., Ertekin K., Ulucan U., Oğuzlar S.
ESAN 2024 VI. ESER ANALİZ KONGRESİ, 5-8 EYLÜL 2024, KİMYA BÖLÜMÜ, MANİSA, Manisa, Turkey, 5 - 08 September 2024, vol.00, no.0
- II. **Genişletilmiş Grafit (E-Gr) ve Perflorododekanoik Asit İçeren Polimerik Matrislerde Rutenyum Kompleksleri ile Oksijen tayini**
Ulucan U., Oğuzlar S., Ertekin K.
ESAN 2024 VI. ESER ANALİZ KONGRESİ, Manisa, Turkey, 5 - 08 September 2024
- III. **Kozmetik kimyasalları ve endokrin sistem ile etkileşimleri**
Ertekin K.
"Uluslararası 14'üncü Kozmetik Kimyası, Üretimi ve Standardizasyonu Kongresi" , Antalya, Turkey, 15 - 18 February 2024, vol.0000, no.0
- IV. **Yeni nesil ve patentli bir güneş koruyucu formülasyonun etki mekanizması**
Ertekin K.
"Uluslararası 14'üncü Kozmetik Kimyası, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 15 - 18 February 2024, vol.00, no.0
- V. **LU₃Al₅O₁₂:Ce³⁺ VE Ca-A-SIALON:Eu²⁺ OPTİK ÖZELLİKLERİNİN KİİNİN 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. **NANO MALZEME ÜRETİMİ SÜRECİNDE RİSK DEĞERLENDİRME**
DENİZ F., ERTEKİN K.
1. uluslararası 10. ulusal işçi sağlığı ve iş güvenliği kongresi, Adana, Turkey, 23 - 26 October 2019
- VII. **YENİ HETERO HALKALI TSC LİGAND VE RUTENYUM KOMPLEKSİNİN SENTEZLERİ VE SPEKTRAL KARAKTERİZASYONLARI**
SADAN E. O., YILDIRIM B., ERTEKİN K., SUBAŞI E.
ULUSLARARASI 30 AĞUSTOS BİLİMSEL ARAŞTIRMALAR SEMPOZYUMU, 28 - 31 August 2019
- VIII. **Investigation of spectral properties of newly synthesized organometallic ruthenium complexes**
YILDIRIM B., MUSLU E., SUBAŞI E., ERTEKİN K.
EurasianBioChem 2019, 28 - 29 June 2019
- IX. **Pd(II) mesotetraphenylporphyrin probes for O₂ sensing Influence of the substituents**
ZEYREK ONGUN M., TOPAL S. Z., YEL Z., ERTEKİN K., ÖNAL E., HİREL C.
4th GTU Photodynamic Day, Turkey, 25 April 2019
- X. **Boosting Optical Performance of polymer embedded phosphors using iodine-free and iodine-decorated sol-gel synthesized Fe₂O₃**,
Yıldırım B., ERTEKİN K., DEMİRCİ S., GÜLTEKİN S., ÇELİK E.
4th NANOSCIENCE AND NANOTECHNOLOGY CONFERENCE, İzmir, Turkey, 22 September 2018 - 24 September 2020
- XI. **EFFECT OF SILVER NANOPARTICLES ON THE SPECTRAL PROPERTIES OF RUTHENIUM COMPLEXES**
MUSLU E., SUBAŞI E., YILDIRIM B., ERTEKİN K.
CBU, Int.University Industry Cooperation, 14 - 15 November 2018
- XII. **Nadir toprak metali dolanmış fosforların optik özelliklerinin araştırılması**
Erdoğan G., Ertekin K., Yıldırım S., Çelik E.
XV. Ulusal Spektroskopi Kongresi, Yalova, Turkey, 17 - 19 May 2017
- XIII. **Dijital x-ray görüntüleme sistemlerinde kullanılan GOS sintilatör malzemelerin sol-jel metoduyla sentezi ve mikroyapı karakterizasyonu**
Aritman İ., Yıldırım S., Ebeoğlu M. F., Ertekin K., Çelik E.
IX. Uluslararası Katılımlı Seramik Kongresi, Kütahya, Turkey, 26 - 28 November 2015
- XIV. **Nano gümüş içeren elektro eğrilmiş Salen tipi Pd II kompleksinin floresans esaslı oksijen sensörü olarak davranışı**
Aydın İ., ERTEKİN K., YAMAN P. K., SUBAŞI E., ÇELİK E.
XIV. Ulusal Spektroskopi Kongresi-, Turkey, 29 - 31 May 2015
- XV. **OXYGEN SENSING PROPERTIES OF NANO SILVER DOPED RUTHENIUM II DERIVATIVES IN REFINERY RELATED WORKPLACE ENVIRONMENTS**
AY Z., ERTEKİN K., ÇELİK E., VARLIKLI C., ŞAHİN Ç.
IV th INTERNATIONAL POLYMERIC COMPOSITES SYMPOSIUM, EXHIBITION AND BROKERAGE EVENT, İzmir, Turkey, 7 - 09 May 2015
- XVI. **Design of new nanosilver doped polymeric membranes for the sensing of acidic vapors in workplaces**
Kabak E. H., ERTEKİN K., ÖTER Ö., ÇELİK E.
INTERNATIONAL POLYMERIC COMPOSITES SYMPOSIUM, EXHIBITION AND BROKERAGE EVENT, 1 - 03 May 2015
- XVII. **Sensing of indoor acid vapors with new pH dyes in polymeric nano fibers**
Esra Hacer K., ERTEKİN K., ÖTER Ö., ÇELİK E.
INTERNATIONAL POLYMERIC COMPOSITES SYMPOSIUM, EXHIBITION AND BROKERAGE EVENT, 1 - 03 May 2015
- XVIII. **Oxygen Sensing Properties of Nano silver Doped Tetraphenylporphyrine Derivatives in Refinery Related**
AY Z., ERTEKİN K., GÜNDOĞDU HIZLİATEŞ C., ERGÜN M. Y., ÇELİK E.
Science and Applications of Thin Films Conference&Exhibition, İzmir, Turkey, 15 - 19 September 2014
- XIX. **A Nano based Optical Sensor for pH Ag⁺ Ions prepared by Electrospinning**

- KAÇMAZ S., ERTEKİN K., ÖTER Ö., GÜNDOĞDU HIZLIATEŞ C., ERGÜN M. Y., ÇELİK E.
9th Nanoscience and Nanotechnology Conference, Turkey, 24 - 28 June 2013
- XX. **Multi functional Fluorescent Nanosensor for pH and Ag I ions**
KAÇMAZ S., ERTEKİN K., ÖTER Ö., GÜNDOĞDU HIZLIATEŞ C., ERGÜN M. Y., ÇELİK E.
9th Nanoscience and Nanotechnology Conference, Erzurum, Turkey, 24 - 28 June 2013
- XXI. **Characterization of novel fluorescent palladium complexes by steady state and time resolved fluorescence spectroscopy**
SABANCI G., ÖTER Ö., KÖSE P., SUBAŞI E., ERTEKİN K., TEMEL H., ÇELİK E.
8th aegan analytic days, İzmir, Turkey, 29 September - 03 October 2012
- XXII. **Determination of Silver (I), Iron (III) and Mercury (II) Ions at Nanomolar and/or Sub-Nanomolar Levels With Nanofibrous Materials and Continuous Thin Films**
ZEYREK ONGUN M., ERTEKİN K., GÜNDOĞDU HIZLIATEŞ C., ÖTER Ö., ERGÜN M. Y., ÇELİK E.
8th Aegean Analytical Chemistry Days, İzmir, Turkey, 16 - 20 September 2012
- XXIII. **Selective sub nanomolar determination of Fe (III) ions with electrospun nanofibers**
ZEYREK ONGUN M., ERTEKİN K., GÖÇMENTÜRK M., ÖTER Ö., ERGÜN M. Y., ÇELİK E.
8th Aegean Analytical Chemistry Days, İzmir, Turkey, 16 - 20 September 2012
- XXIV. **Intensity and Lifetime Based Sensing of Fe (III) with Electrospun Nanosensors**
ZEYREK ONGUN M., ERTEKİN K., AYDOĞDU S., MERCAN D., ÖTER Ö., ÇETİNKAYA E., ÇELİK E.
8th Aegean Analytical Chemistry Days, İzmir, Turkey, 16 - 20 September 2012
- XXV. **Multiple sensing of Fe (III) and Hg (II) with embedded carbazole derivatives**
ZEYREK ONGUN M., ERTEKİN K., GÜNDOĞDU L., ÖTER Ö., ERGÜN M. Y., ÇELİK E.
8th Aegean Analytical Chemistry Days, İzmir, Turkey, 16 - 20 September 2012
- XXVI. **Ionic liquid doped Electrospun Polymer Composite Nanofibers For Hg (II) Sensing**
ZEYREK ONGUN M., ERTEKİN K., ERGÜN M. Y., SÜSLÜ A., ÇELİK E., CÖCEN Ü.
MOLECULAR SENSORS AND MOLECULAR LOGIC GATES, Antalya, Turkey, 22 - 25 October 2010
- XXVII. **Flourescence Based Ag (I) Sensing With Elecrospon Nanofibers**
ZEYREK ONGUN M., ERTEKİN K., AYDOĞDU S., HAKLI Ö., İÇLİ S., SÜSLÜ A., ÇELİK E., CÖCEN Ü.
MOLECULAR SENSORS AND MOLECULAR LOGIC GATES, Antalya, Turkey, 22 - 25 October 2010
- XXVIII. **Kalay (II) Katyonunun Elektro eğirme Yöntemi ile Hazırlanmış Fiberler ile Sub nanomolar Düzeyde Tayini**
ZEYREK ONGUN M., ERTEKİN K., SÜSLÜ A., SUBAŞI E., TEMEL H.
24.Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010
- XXIX. **Yeraltısuyu örneklerinde spektrofotometrik metotla Mangan (II) ve Çinko (II) analizi**
KAÇMAZ S., ERTEKİN K., ZEYREK ONGUN M., ERGÜN M. Y.
24.Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010
- XXX. **Ionic Liquid Doped Electrospun Polymer Composite Nanofibers for Copper (II) Sensing**
ZEYREK ONGUN M., ERTEKİN K., GÖÇMENTÜRK M., ERGÜN M. Y., ÖZDEMİR M., ÇELİK E.
6. Nanoscience and Nanotechnology Conference NANOTR-VI, İzmir, Turkey, 15 - 18 June 2010
- XXXI. **Electrospun Polymer Composite Fibers For Oxygen Sensing**
ERTEKİN K., ZEYREK ONGUN M., ÖZDEMİR M., SÜSLÜ A., ÇELİK E.
X. European Conference on Optical Chemical Sensors and Biosensors, PRAG, Czech Republic, 28 - 31 March 2010
- XXXII. **Absorption based optical sensing of Hg(I) /Hg(II) in green chemistry solvent ionic liquid**
ZEYREK ONGUN M., KAÇMAZ S., ERTEKİN K., ERGÜN M. Y.
Sixth International Conference of the Chemical Societies of the South-Eastern European Countries, SOFYA, Bulgaria, 10 - 14 September 2008
- XXXIII. **The influence of clinoptilolite on the groundwater samples before using ion chromatographic method**
KAÇMAZ S., ZEYREK ONGUN M., ERTEKİN K., ERCÜBBEN M.
Sixth International Conference of the Chemical Societies of the South-Eastern European Countries, SOFYA, Bulgaria, 10 - 14 September 2008
- XXXIV. **İyon Kromatografi Yöntemi ile Jeotermal Su Örneklerinde Anyon ve Katyon Analizi**

KAÇMAZ S., ZEYREK ONGUN M., ERTEKİN K.

8. Ulusal Kromatografi Kongresi Kromatografi 2008, Isparta, Turkey, 9 - 11 June 2008

- XXXV. **Dissolved CO₂ 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

- XXXVI. **Absorption Based Bicarbonate Sensing with Thiosemicarbazone Derivatives**
ERTEKİN K., ZEYREK ONGUN M., KAÇMAZ S., ERGÜN M. Y.

Europtrode IX 9th European Conference on Optical Chemical Sensors Biosensors, 30 March - 02 April 2008

- XXXVII. **Dissolved CO₂ Sensing with Different pH probes in Groundwater Samples**
ZEYREK ONGUN M., KAÇMAZ S., ERTEKİN K., ERGÜN M. Y.

Europtrode IX 9th European Conference on Optical Chemical Sensors Biosensors, 30 March - 02 April 2008

- XXXVIII. **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

- XXXIX. **İYONİK SIVI MODİFİYE ETİL SELÜLOZ MATRIKSTE 8-HİDROKSİPIREN 1,3,6-TRİSULFONİKASIT'IN CO₂'E YANITININ SPEKTROFLORİMETRİK YONTEMLE İNCELENMESİ**
ÖTER Ö., ERTEKİN K., OĞUZLAR S.

X. Ulusal Spektroskopi Kongresi, İzmir, Turkey, 4 - 07 July 2007

- XL. **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

- XLI. **UZUN DALGA BOYLARINDA UYARILABİLEN SHİFT BAZLARININ FARKLI İYONİK SIVILARDA KARAKTERİZASYONU**
ERTEKİN K., DERİNKUYU S., TOPKAYA TAŞKIRAN D., DENİZALTI S., ALP S., ÇETİNKAYA E.

XX.Ulusal Kimya Kongresi, Turkey, 4 - 08 September 2006

- XLII. **ÇEVRE DOSTUİYONİK SIVILARADA TRS 2 2 BİPİRİDİL RUTENYUM II KLORÜR HEGZAHİDRAT IN EMİSYON BAZLI FİBER OPTİK OKSİJEN SENSÖRÜ OLARAK KULLANILMASI**
ERTEKİN K., TOPAL S. Z., TOPKAYA TAŞKIRAN D., ALP S., YENİGÜL B.

XX. Ulusal Kimya Kongresi, KAYSERİ, Turkey, 4 - 08 September 2006

- XLIII. **FLORESANS ÖZELLİK GÖSTEREN SHİFT BAZLARININ İKİ FARKLI İYONİK SIVIDA FOTOKARAKTERİZASYONU**
ERTEKİN K., DERİNKUYU S., TOPKAYA TAŞKIRAN D., DENİZALTI S., ALP S., ÇETİNKAYA E.

XX.Ulusal Kimya Kongresi, Turkey, 4 - 08 September 2006

- XLIV. **[N,N'-bis(salisiliden)-1,2-bis-(o-aminofenoksi)etan], (H₂L) Ligandı ile [W(CO)₄(H₂L)] Kompleksinin Spektrofotometrik İncelenmesi ve (H₂L) Yapısı ile Emisyon Esaslı Nanomolar Düzeyde Çinko Tayini**
Karahan Gülbay S., Subaşı E., Oğuzlar S., Ertekin K., Temel H.

XX. Ulusal Kimya Kongresi, Kayseri, Turkey, 4 - 08 September 2006, pp.21

- XLV. **FLUORESANS ÖZELLİK GOSTEREN 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

- XLVI. **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

- XLVII. **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

- XLVIII. **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

XLIX. MODİFİYE BROM TİMOL MAVİSİ İNDİKATÖRÜ DOPLANMIŞ İYONİK SIVI İLE GAZ HALDEKİ VE SUDA ÇÖZÜNMÜŞ CO₂ in SPEKTROFOTOMETRİK TAYİNİ

ÖTER Ö., ERTEKİN K., TOPKAYA TAŞKIRAN D., ALP S.

XIX. Ulusal Kimya Kongresi, Kuşadası, 2005, Turkey, 30 September - 04 October 2005

Funded Projects

Dalmış R., Ak Azem N. F., Birlik I., Ertekin K., Project Supported by Higher Education Institutions, Optoelektronik Uygulamalarda Kullanılan Fosforların Metal Oksitler Kullanılarak Verimliliklerinin Arttırılması, 2020 - 2023

Subaşı E., Ertekin K., Project Supported by Higher Education Institutions, Yeni Tiyo-semikarbazon Bileşiklerinin Spektral Özelliklerinin ve Sensör Potansiyellerinin Araştırılması, 2019 - 2022

ERTEKİN K., Project Supported by Higher Education Institutions, BAZI FOSFOR/ORGANİK BOYA KOMBİNASYONLARININ POLİMERİK MATRİKSLERDE OPTİK ÖZELLİKLERİNİN VE STABİLİTELERİNİN ARAŞTIRILMASI, 2019 - 2022

ERTEKİN K., Project Supported by Higher Education Institutions, UV IŞIĞI KIRMIZI IŞIĞA DÖNÜŞTÜREN FOSFOR BAZLI GÜNEŞ KORUYUCU İÇİN PROTOTİP HAZIRLANMASI VE TEKNOLOJİ DOĞRULAMA ÇALIŞMALARININ YAPILMASI, 2018 - 2020

ERTEKİN K., Project Supported by Higher Education Institutions, DİJİTAL RADYOGRAFİ SİSTEMİNİN DİZAYNI, GELİŞTİRİLMESİ VE ÜRETİMİ, 2017 - 2019

ERTEKİN K., TUBİTAK Project, PLM temelli pasif Işık kaynakları geliştirilmesi TUBİTAK TEYDEP projesi, 2015 - 2017

ERTEKİN K., Project Supported by Higher Education Institutions, Kuyumculuk sektöründe işyeri ortamındaki asit buharlarının algılanması için nano malzeme esaslı optik kimyasal sensör geliştirilmesi, 2014 - 2017

ERTEKİN K., TUBİTAK Project, Nano ölçekteki Sr₄Al₁₄O₂₅ Eu₂ Dy₃ fosforların polimerik matrislerde optik özelliklerinin araştırılması, 2015 - 2016

ERTEKİN K., TUBİTAK Project, Uzak Fosfor Teknolojisi ve Uzak Fosforlu Aydınlatma Ürünleri Geliştirilmesi, 2015 - 2016

ERTEKİN K., Project Supported by Higher Education Institutions, Petrokimya sektöründe işyeri ortamındaki oksijen seviyesinin algılanması için nano malzeme esaslı optik kimyasal sensör geliştirilmesi., 2014 - 2016

ERTEKİN K., Project Supported by Higher Education Institutions, PETROKİMYA SEKTÖRÜNDE İŞYERİ ORTAMINDAKİ OKSİJEN SEVİYESİNİN ALGILANMASI İÇİN NANO MALZEME ESASLI OPTİK KİMYASAL SENSÖR GELİŞTİRİLMESİ, 2014 - 2016

ERTEKİN K., Project Supported by Higher Education Institutions, İNCE FİLM VE NANOMALZEME ESASLI SENSÖRLERİN PERFORMANSLARININ KIYASLANMASI, 2012 - 2013

ERTEKİN K., Project Supported by Higher Education Institutions, Sensor amaçlı olarak bazı kromoiyonoforların optik fiberler ile fotokarakterizasyonu PHOTOCHARACTERIZATION OF SOME CHROMOIONOPHORE STRUCTURES WITH FIBER OPTICS FOR SENSING PURPOSES, 2007 - 2009

Ertekin K., TUBİTAK Project, Gaz haldeki ve çözünmüş CO₂'in kantitatif tayinine yönelik kimyasal optik sensör geliştirilmesi, 2005 - 2009

ERTEKİN K., Project Supported by Higher Education Institutions, Karbondioksit tayininde kullanılmak üzere indikatörlerin modifikasyonu ve çeşitli polimer matrislerde denenmesi, 2005 - 2007

Patent

Ertekin K., Yüksek kapasiteli CO₂ absorblayıcı: kalipatron, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: 00000 , Standard Registration, 2023

ERTEKİN K., A phosphorus based sunscreen converting ultraviolet radiation to red wavelengths, Patent, CHAPTER A Human Needs, 2020

Ertekin K., Phosphor arrangement and method, Patent, CHAPTER H Electricity, The Invention Registration Number: 20190203112 , Standard Registration, 2019

Peer Reviews in Scientific Publications

Black Sea Journal of Engineering and Science , National Scientific Refreed Journal, January 2025
ANALYST, THE, SCI Journal, December 2024
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, SCI Journal, November 2024
JOURNAL OF ALLOYS AND COMPOUNDS, SCI Journal, October 2024
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, SCI Journal, September 2024
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, SCI Journal, August 2024
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, SCI Journal, August 2024
OPTICAL MATERIALS, SCI Journal, August 2024
OPTICAL MATERIALS, SCI Journal, June 2024
MACROMOLECULAR MATERIALS AND ENGINEERING, SCI Journal, May 2024
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, Journal Indexed in SCI-E, May 2024
MATERIALS CHEMISTRY AND PHYSICS, SCI Journal, August 2023
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, SCI Journal, July 2023
ANALYST, THE, SCI Journal, July 2023
ANALYST, THE, SCI Journal, July 2023
ANALYST, THE, SCI Journal, June 2023
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, SCI Journal, June 2023
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A: CHEMISTRY, SCI Journal, June 2023
ANALYST, THE, SCI Journal, May 2023
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, SCI Journal, March 2023
Microchimica acta, SCI Journal, January 2023
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A: CHEMISTRY, SCI Journal, December 2022
Microchimica Acta, SCI Journal, December 2022
JOURNAL OF MATERIALS SCIENCE, SCI Journal, November 2022
CARBOHYDRATE POLYMERS, National Scientific Refreed Journal, October 2022

Scientific Project Refereeing

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, November 2024
TUBITAK Project, 1509 - TÜBİTAK International Industry R&D Projects Support Program, October 2024
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, December 2023
Research Project of the Presidency of Turkey Health Institutes (TÜSEB), August 2023
TUBITAK Project, 2224 - International Scientific Activities Support Program, May 2023
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, June 2022

Scientific Consultations

Kütahya İdare Mahkemesi, Scientific Consultancy, Dokuz Eylül University, Fen Fakültesi, Kimya Bölümü, Turkey, 2022 - 2022

Metrics

Publication: 132
Citation (WoS): 1514
Citation (Scopus): 1715
H-Index (WoS): 22

H-Index (Scopus): 24

Congress and Symposium Activities

3. ULUSLARARASI MÜHENDİSLİK BİLİMLERİ VE MULTİDİSİPLİNER YAKLAŞIMLAR KONGRESİ, Attendee, İzmir, Turkey, 2022

Awards

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