

Prof. ELMAS GÖKOĞLU

Personal Information

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Education Information

Doctorate, Hacettepe Üniversitesi, Fen/Fen Bilimleri/Kimya, Kimya/Analitik, Turkey 1986 - 1992

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Fluorimetrik Yöntemlerle, Fonksiyonel Hidrofilik Polihidroksietil-metakrilat (Poli-HEMA) Membran ve Mikropartiküllerde Yapısal Karakterizasyon; BSA ve Fibrinojen Adsorpsiyon Kinetiğinin İncelenmesi, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 1992

Research Areas

Chemistry, Analytical Chemistry, fluorimetry, Spectroscopical Methods, Natural Sciences

Academic Titles / Tasks

Professor, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2004 - Continues

Associate Professor, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 1995 - 2004

Professional Experience

Head of Department, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2014 - Continues

Deputy Head of Department, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2002 - 2005

Courses

Analitik Kimya II, Under Graduate, 2016 - 2017

Analitik Kimya I, Under Graduate, 2016 - 2017

Advising Theses

GÖKOĞLU E., 3,6 diamino akridin türevlerinin serum albüminlerle etkileşiminin floresans sönüm yöntemi ile incelenmesi, Post Graduate, F.GÖKER(Student), 2010

GÖKOĞLU E., The mechanisms of novel fluorescent probes binding with dsDNA: Studies by spectral-luminescent methods, Doctorate, N.AKBAY(Student), 2009

GÖKOĞLU E., Determination of thyroxine hormone based on fluorescence quenching of 7-hydroxy coumarin, Post Graduate, C.ÖZTÜRK(Student), 2007

GÖKOĞLU E., Determination of cobalt in vitamin B12 with luminescence techniques, Post Graduate, N.AKBAY(Student), 2003

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

- I. **Synthesis of new morpholine containing 3-amido-9-ethylcarbazole derivative and studies on its biophysical interactions with calf thymus DNA/HSA**
Kıpcak F., TAŞKIN TOK T., Duyar H., SEFEROĞLU Z., GÖKOĞLU E.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, 2020 (Journal Indexed in SCI)
- II. **Investigation of binding properties of two ethidium derivatives with serum albumins: spectral and computational approach**
AKBAY N., TAŞKIN TOK T., SEFEROĞLU Z., GÖKOĞLU E.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.36, no.12, pp.3114-3121, 2018 (Journal Indexed in SCI)
- III. **Investigation of binding properties of dicationic styrylimidazo[1,2-a]pyridinium dyes to human serum albumin by spectroscopic techniques**
Ozdemir A., GÖKOĞLU E., Yılmaz E., YALÇIN E., Gökoglu E., SEFEROĞLU Z., TEKİNAY T.
LUMINESCENCE, vol.32, no.1, pp.86-92, 2017 (Journal Indexed in SCI)
- IV. **Study of Binding Properties Between Two New Ibuprofen and Naproxen Based Acyl Hydrazone Derivatives and Trypsin**
GÖKOĞLU E., YILMAZ E., GOKOGLU E., Baran A. U.
JOURNAL OF FLUORESCENCE, vol.26, no.1, pp.113-119, 2016 (Journal Indexed in SCI)
- V. **Studies on the interactions of 3,6-diaminoacridine derivatives with human serum albumin by fluorescence spectroscopy**
GÖKOĞLU E., KIPCAK F., Seferoglu Z.
LUMINESCENCE, vol.29, no.7, pp.872-877, 2014 (Journal Indexed in SCI)
- VI. **Fluorescence Interaction and Determination of Sulfathiazole with Trypsin**
GÖKOĞLU E., YILMAZ E.
JOURNAL OF FLUORESCENCE, vol.24, no.5, pp.1439-1445, 2014 (Journal Indexed in SCI)
- VII. **Investigation of Binding Properties of Umbelliferone (7Hydroxycoumarin) to Lysozyme**
Gök E.
JOURNAL OF FLUORESCENCE, vol.23, no.2, pp.333-338, 2013 (Journal Indexed in SCI)
- VIII. **Interactions of Two Ethidium Derivatives with Calf Thymus DNA and Serum Albumins Using Fluorescence Quenching Method**
AKBAY N., Seferoglu Z., Goekoglu E.
CURRENT ANALYTICAL CHEMISTRY, vol.6, no.4, pp.334-340, 2010 (Journal Indexed in SCI)
- IX. **Fluorescence study on the interaction of bovine serum albumin with two coumarin derivatives**
AKBAY N., Topkaya D., Ergun Y., Alp S., GÖK E.
JOURNAL OF ANALYTICAL CHEMISTRY, vol.65, no.4, pp.382-387, 2010 (Journal Indexed in SCI)
- X. **Fluorescence Interaction and Determination of Calf Thymus DNA with Two Ethidium Derivatives**
AKBAY N., Seferoglu Z., Gök E.
JOURNAL OF FLUORESCENCE, vol.19, no.6, pp.1045-1051, 2009 (Journal Indexed in SCI)

- XI. **Determination of Vitamin B12 Using a Chemiluminescence Flow System**
GÖKOĞLU E.
JOURNAL OF ANALYTICAL CHEMISTRY, vol.63, pp.1073-1077, 2008 (Journal Indexed in SCI Expanded)
- XII. **Interaction of thyroxine with 7 hydroxycoumarin: A fluorescence quenching study**
Goek E., OEZTUERK C., AKBAY N.
JOURNAL OF FLUORESCENCE, vol.18, no.5, pp.781-785, 2008 (Journal Indexed in SCI)
- XIII. **The mechanism of benzothiazole styrylcyanine dyes binding with dsDNA: Studies by spectral-luminescent methods**
Akbay N., Losytskyy M. Y. , Kovalska V. B. , Balanda A. O. , Yarmoluk S. M.
JOURNAL OF FLUORESCENCE, vol.18, no.1, pp.139-147, 2008 (Journal Indexed in SCI)
- XIV. **Binding of Fluorescein Isothiocyanate to Insulin: A Fluorimetric Labeling Study**
GÖKOĞLU E.
JOURNAL OF FLUORESCENCE, vol.14, pp.203-206, 2004 (Journal Indexed in SCI Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Binding mechanism of triazole derivatives with DNA Studies by spectral luminescent methods**
AKBAY N., UZGÖREN BARAN A., OKAY G., GÖKOĞLU E.
6th Aegean Analytical Chemistry Days, Denizli, Turkey, 9 - 12 October 2008

Supported Projects

GÖKOĞLU E., Kıpçak F., Project Supported by Higher Education Institutions, Spektroflorimetrik yöntemle sülfonamid içeren bileşiklerin biyomoleküllerle etkileşiminin floresans rezonans enerji transferi FRET ve termodinamik açıdan incelenmesi, 2017 - 2019

GÖKOĞLU E., Project Supported by Higher Education Institutions, Floresans Spektroskopisi ile 36 diaminoakridin türevlerinin İnsan Serum Albümin ile Etkileşimleri Üzerinde Çalışmalar, 2016 - 2016

GÖKOĞLU E., Project Supported by Higher Education Institutions, Tripsin ile sülfatiazolün tayini ve floresans etkileşimi, 2015 - 2016

Citations

Total Citations (WOS):126

h-index (WOS):6