

Prof. NURGÜL SEFEROĞLU

Personal Information

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2002 - 2007

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği (YI) (Tezli), Turkey 1998 - 2001

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Turkey 1993 - 1998

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Üç Boyutlu Blume-Emery-Griffiths Modelin Faz Geçişlerinin Cellular Automaton ile Simülasyonu, Gazi University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2007

Postgraduate, Mikroskopik safsızlık içeren sistemlerde sonlu büyüklük analizi, Hacettepe University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği (YI) (Tezli), 2001

Research Areas

Atomic and Molecular Physics, Interdisciplinary Physics and Related Science and Technology Areas, Chemistry, Natural Sciences

Academic Titles / Tasks

Professor, Gazi University, Fen Bilimleri Enstitüsü, İleri Teknolojiler , 2019 - Continues

Associate Professor, Gazi University, Fen Bilimleri Enstitüsü, İleri Teknolojiler, 2014 - 2019

Assistant Professor, Gazi University, Teknik Bilimler Meslek Yüksekokulu, Makine Ve Metal Teknolojileri Bölümü, 2009 - 2014

Assistant Professor, Gazi University, Fen Bilimleri Enstitüsü, İleri Teknolojiler Anabilim Dalı (Disiplinlerarası), 2008 - 2014

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 1998 - 2001

Academic and Administrative Experience

Manager of Research and Application Center, Gazi University, Teknolojik Boyarmaddeler Ve Malzemeler Uygulama Ve Araştırma Merkezi , 2021 - Continues

Courses

Yeni Nesil Teknolojik Malzemeler ve Uygulama Alanları, Doctorate, 2020 - 2021, 2021 - 2022

Yoğunluk Fonksiyonel Teorisi I, Postgraduate, 2016 - 2017

Advising Theses

Seferoğlu N., Ocak C., Asenkron Motorlarda Rotor Soğutma Kanallarının Elektromanyetik Analizi ve Optimum Tasarımı, Postgraduate, F.Teke(Student), Continues

Seferoğlu N., Kumarin İçeren Yeni Boyar Maddelerin Boya Duyarlı Güneş Hücrelerinde Kullanılabilirliğinin Belirlenmesi, Postgraduate, T.Olgu(Student), Continues

SEFEROĞLU N., Theoretical Investigations Of Anion Sensitivity Properties And Nlo Characteristics Of D-Π-A-Π-D Type Functional Dyes Including, Postgraduate, A.BURAK(Student), 2020

SEFEROĞLU N., Theoretical Investigation Of Photophysical Properties And The Tautomeric Structures Of New Organic Molecules Based On The Coumarin-Pyrazolone, Postgraduate, T.CANPOLAT(Student), 2019

SEFEROĞLU N., Theoretical Investigation Of The Structures Of A New Series Azo Dyes, Postgraduate, G.TOPRAKÇIOĞLU(Student), 2019

SEFEROĞLU N., Multicritical phase diagrams of spin-3/2 ısing model, Postgraduate, G.SEZGİN(Student), 2011

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

- I. **Novel carbazole based hydrazone type light-up chemosensors**
Uzgören-Baran A., Keskin E., Çakmaz D., AYDINER B., ÖZER D., SEFEROĞLU N., SEFEROĞLU Z.
Journal of Molecular Structure, vol.1250, 2022 (Journal Indexed in SCI)
- II. **Novel fluorescent coumarin-thiazole based sensors for selective determination of cyanide in aqueous media**
Kandemir E., ÖZKÜTÜK M., AYDINER B., SEFEROĞLU N., ERER H., SEFEROĞLU Z.
Journal of Molecular Structure, vol.1249, 2022 (Journal Indexed in SCI)
- III. **Synthesis of novel acylthioureas bearing naphthoquinone moiety as dual sensor for high-performance naked-eye colorimetric and fluorescence detection of CN⁻ and F⁻ ions and its application in water and food samples**
Nural Y., Karasu E., Keleş E., AYDINER B., SEFEROĞLU N., Efeoğlu Ç., ŞAHİN E., SEFEROĞLU Z.
Dyes and Pigments, vol.198, 2022 (Journal Indexed in SCI Expanded)
- IV. **Synthesis and investigation of photophysical, NLO and thermal properties of D-π-A-π-D dyes**
Özarslan A., Çakmaz D., EROL F., ŞENÖZ H., SEFEROĞLU N., Barsella A., SEFEROĞLU Z.
Journal of Molecular Structure, vol.1229, 2021 (Journal Indexed in SCI)
- V. **New naphthoquinone-imidazole hybrids: Synthesis, anion recognition properties, DFT studies and acid dissociation constants**
Nural Y., Keleş E., AYDINER B., SEFEROĞLU N., Atabey H., SEFEROĞLU Z.
Journal of Molecular Liquids, vol.327, 2021 (Journal Indexed in SCI)
- VI. **Amino-substituted-1,1-dicyano-2,4-diaryl-1,3-butadiene chromophores: Synthesis and photophysical properties**
Yahya M., SEFEROĞLU N., Barsella A., Achelle S., SEFEROĞLU Z.
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.248, 2021 (Journal Indexed in SCI)
- VII. **Synthesis, characterization, molecular docking and in vitro screening of new metal complexes with coumarin Schiff base as anticholine esterase and antipancreatic cholesterol esterase agents**
ŞAHİN Ö., Özmen Özdemir Ü., SEFEROĞLU N., Adem Ş., SEFEROĞLU Z.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, 2020 (Journal Indexed in SCI)
- VIII. **The novel sensitive and selective chemosensors for determination of multiple analytes**
Cakmaz D., Ozarslan A., AYDINER B., Eroglu A. B., SEFEROĞLU N., ŞENÖZ H., SEFEROĞLU Z.
DYES AND PIGMENTS, vol.183, 2020 (Journal Indexed in SCI)

- IX. **A highly sensitive and selective fluorescent turn-on chemosensor bearing a 7-diethylaminocoumarin moiety for the detection of cyanide in organic and aqueous solutions**
AYDINER B., Sahin O., Cakmaz D., Kaplan G., Kaya K., ÖZDEMİR ÖZMEN Ü., SEFEROĞLU N., SEFEROĞLU Z.
NEW JOURNAL OF CHEMISTRY, vol.44, no.44, pp.19155-19165, 2020 (Journal Indexed in SCI)
- X. **Indole based push-pull dyes bearing azo and dimethine: Synthesis, spectroscopic, NLO, anion affinity properties and thermal characterization**
Keles E., Yahya M., Aktan E., Aydiner B., Seferoğlu N., Barsella A., Seferoğlu Z.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.402, 2020 (Journal Indexed in SCI)
- XI. **Experimental and theoretical studies on monoazo dye including diphenylamine and N - methyl diphenylamine derivatives**
Aksungur T., EROL F., SEFEROĞLU N., SEFEROĞLU Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1217, 2020 (Journal Indexed in SCI)
- XII. **Polysubstituted pyrrolidines linked to 1,2,3-triazoles: Synthesis, crystal structure, DFT studies, acid dissociation constant, drug-likeness, and anti-proliferative activity**
İNCE T., SERTTAŞ R., DEMİR B., Atabey H., SEFEROĞLU N., ERDOĞAN S., ŞAHİN E., Erat S., NURAL Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1217, 2020 (Journal Indexed in SCI)
- XIII. **Styryl-based new organic chromophores bearing free amino and azomethine groups: synthesis, photophysical, NLO, and thermal properties**
Putra A. U. , Cakmaz D., SEFEROĞLU N., Barsella A., SEFEROĞLU Z.
BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY, vol.16, pp.2282-2296, 2020 (Journal Indexed in SCI)
- XIV. **A new mechanism for selective recognition of cyanide in organic and aqueous solution**
Keles E., AYDINER B., NURAL Y., SEFEROĞLU N., ŞAHİN E., SEFEROĞLU Z.
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, vol.2020, no.30, pp.4681-4692, 2020 (Journal Indexed in SCI)
- XV. **Microwave-enhanced and conventional procedures for the synthesis of coumarin-thiophene amides, sulfonamide, and urea derivatives: Synthesis, photophysical activities, and multiple anions signalling via different mechanisms**
Yahaya I., Keles E., Putra A. U. , Yahya M., Seferoğlu N., Seferoğlu Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1204, 2020 (Journal Indexed in SCI)
- XVI. **Substituent dependent selectivity of fluorescent chemosensors derived from coumarin for biologically relevant DNA structures and anions**
Chemchem M., Yahaya I., AYDINER B., Doluca O., SEFEROĞLU N., SEFEROĞLU Z.
SENSORS AND ACTUATORS B-CHEMICAL, vol.305, 2020 (Journal Indexed in SCI)
- XVII. **Novel highly functionalized 1,4-naphthoquinone 2-iminothiazole hybrids: Synthesis, photophysical properties, crystal structure, DFT studies, and anti(myco)bacterial/antifungal activity**
GEMİLİ M., NURAL Y., Keles E., AYDINER B., SEFEROĞLU N., ÜLGER M., ŞAHİN E., Erat S., SEFEROĞLU Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1196, pp.536-546, 2019 (Journal Indexed in SCI)
- XVIII. **Novel benzildihydrazone based Schiff bases: Syntheses, characterization, thermal properties, theoretical DFT calculations and biological activity studies**
ELMACI G., Duyar H., AYDINER B., Yahaya I., SEFEROĞLU N., ŞAHİN E., Celik S. P. , AÇIK L., SEFEROĞLU Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1184, pp.271-280, 2019 (Journal Indexed in SCI)
- XIX. **Detailed theoretical characterization of azo chromophores containing dicyanomethylene acceptor and various coupling components by DFT**
SEFEROĞLU N., Toprakcioglu G.
JOURNAL OF MOLECULAR STRUCTURE, vol.1181, pp.360-372, 2019 (Journal Indexed in SCI)
- XX. **Improved one-pot synthetic conditions for synthesis of functionalized fluorescent coumarin-thiophene hybrids: Syntheses, DFT studies, photophysical and thermal properties**
Yahaya I., SEFEROĞLU N., SEFEROĞLU Z.
TETRAHEDRON, vol.75, no.14, pp.2143-2154, 2019 (Journal Indexed in SCI)
- XXI. **Novel fluorescent coumarin-thiophene-derived Schiff bases: Synthesis, effects of substituents, photophysical properties, DFT calculations, and biological activities**
Yahaya I., Chemchem M., AYDINER B., SEFEROĞLU N., Tepe F. E. , AÇIK L., Cerci N. A. , TÜRK M., SEFEROĞLU Z.

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.368, pp.296-306, 2019 (Journal Indexed in SCI)

- XXII. **A novel and synthetically facile coumarin-thiophene-derived Schiff base for selective fluorescent detection of cyanide anions in aqueous solution: Synthesis, anion interactions, theoretical study and DNA-binding properties**
Chemchem M., Yahaya I., AYDINER B., SEFEROĞLU N., Doluca O., Merabet N., SEFEROĞLU Z.
TETRAHEDRON, vol.74, no.48, pp.6897-6906, 2018 (Journal Indexed in SCI)
- XXIII. **Novel 1,4-naphthoquinone N-arylthioureas: Syntheses, crystal structure, anion recognition properties, DFT studies and determination of acid dissociation constants**
GEMİLİ M., NURAL Y., Keles E., AYDINER B., SEFEROĞLU N., ŞAHİN E., SARI H., SEFEROĞLU Z.
JOURNAL OF MOLECULAR LIQUIDS, vol.269, pp.920-932, 2018 (Journal Indexed in SCI)
- XXIV. **Triphenylamine-based allylidenemalononitrile chromophores: synthesis, and photophysical and second-order nonlinear optical properties**
Catal E., Keles E., SEFEROĞLU N., Achelle S., Barsella A., le Guen F. R. , SEFEROĞLU Z.
NEW JOURNAL OF CHEMISTRY, vol.42, no.18, pp.15052-15060, 2018 (Journal Indexed in SCI)
- XXV. **A coumarin-pyrazolone based fluorescent probe for selective colorimetric and fluorimetric fluoride detection: Synthesis, spectroscopic properties and DFT calculations**
Babur B., SEFEROĞLU N., SEFEROĞLU Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1161, pp.218-225, 2018 (Journal Indexed in SCI)
- XXVI. **The syntheses, molecular structure analyses and DFT studies on new benzil monohydrazone based Schiff bases**
ELMACI G., Duyar H., AYDINER B., SEFEROĞLU N., Naziri M. A. , ŞAHİN E., SEFEROĞLU Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1162, pp.37-44, 2018 (Journal Indexed in SCI)
- XXVII. **Synthesis, crystal structure, DFT studies, acid dissociation constant, and antimicrobial activity of methyl 2-(4-chlorophenyl)-7a-((4-chlorophenyl)carbamothioyl)-1-oxo-5,5-diphenyl-3-thioxo-hexahydro-1H-pyrrolo[1,2-e]imidazole-6-carboxylate**
NURAL Y., GEMİLİ M., SEFEROĞLU N., ŞAHİN E., ÜLGER M., SARI H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1160, pp.375-382, 2018 (Journal Indexed in SCI)
- XXVIII. **A novel coumarin-pyrazole-triazine based fluorescence chemosensor for fluoride detection via deprotonation process: Experimental and theoretical studies**
Yalcin E., Alkis M., SEFEROĞLU N., SEFEROĞLU Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1155, pp.573-581, 2018 (Journal Indexed in SCI)
- XXIX. **New platinum (II) and palladium (II) complexes of coumarin-thiazole Schiff base with a fluorescent chemosensor properties: Synthesis, spectroscopic characterization, X-ray structure determination, in vitro anticancer activity on various human carcinoma cell lines and computational studies**
Sahin O., ÖZDEMİR ÖZMEN Ü., SEFEROĞLU N., KARAGÖZ GENÇ Z., Kaya K., AYDINER B., TEKİN S., SEFEROĞLU Z.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY, vol.178, pp.428-439, 2018 (Journal Indexed in SCI)
- XXX. **Synthesis, X-ray crystal structure and DFT studies of cobalt(II) and vanadium(V) complexes with N,N,O-tridentate aryl-hydrazone based ligand**
Naziri M. A. , ŞAHİN E., SEFEROĞLU N., Shaabani B.
JOURNAL OF COORDINATION CHEMISTRY, vol.71, no.1, pp.89-103, 2018 (Journal Indexed in SCI)
- XXXI. **8-Hydroxyquinoline based push-pull azo dye: Novel colorimetric chemosensor for anion detection**
Arslan O., AYDINER B., Yalcin E., Babur B., SEFEROĞLU N., SEFEROĞLU Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1149, pp.499-509, 2017 (Journal Indexed in SCI)
- XXXII. **Synthesis and investigation of various properties of a novel series of nonlinear optical (NLO) chromophores bearing dicyanovinyl (DCV) moiety**
SEFEROĞLU N., Bayrak Y., Yalcin E., SEFEROĞLU Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1149, pp.510-519, 2017 (Journal Indexed in SCI)
- XXXIII. **Coumarin-indole conjugate donor-acceptor system: Synthesis, photophysical properties, anion sensing ability, theoretical and biological activity studies of two coumarin-indole based push-pull**

dyes

- Aksungur T., AYDINER B., SEFEROĞLU N., ÖZKÜTÜK M., Arslan L., Reis Y., AÇIK L., SEFEROĞLU Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1147, pp.364-379, 2017 (Journal Indexed in SCI)
- XXXIV. **Combined spectroscopic, XRD crystal structure and DFT studies on 2-(ethylthio)pyrimidine-4,6-diamine**
AKTAN E., Babur B., SEFEROĞLU N., ÇATIKKAŞ B., KAYNAK F. B. , SEFEROĞLU Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1145, pp.152-159, 2017 (Journal Indexed in SCI)
- XXXV. **Synthesis, theoretical calculation, electrochemistry and total antioxidant capacity of 5-benzoyl-6-phenyl-4-(4-methoxyphenyl)-1,2,3,4-tetrahydro-2-thioxopyrimidine and derivatives**
Ergan E., Akbaş E., LEVENT A., Sahin E., Konaş M., SEFEROĞLU N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1136, pp.231-243, 2017 (Journal Indexed in SCI)
- XXXVI. **A highly selective and sensitive chemosensor derived coumarin-thiazole for colorimetric and fluorimetric detection of CN⁻ ion in DMSO and aqueous solution: synthesis, sensing ability, Pd(II)/Pt(II) complexes and theoretical studies**
Sahin O., ÖZDEMİR ÖZMEN Ü., SEFEROĞLU N., AYDINER B., SARI M., TUNÇ T., SEFEROĞLU Z.
TETRAHEDRON, vol.72, no.39, pp.5843-5852, 2016 (Journal Indexed in SCI)
- XXXVII. **A novel fluorescence turn-on coumarin-pyrazolone based monomethine probe for biothiol detection**
Babur B., SEFEROĞLU N., Ocal M., Sonugur G., AKBULUT H., SEFEROĞLU Z.
TETRAHEDRON, vol.72, no.30, pp.4498-4502, 2016 (Journal Indexed in SCI)
- XXXVIII. **Photophysical and theoretical studies on newly synthesized N,N-diphenylamine based azo dye**
Aksungur T., Arslan O., SEFEROĞLU N., SEFEROĞLU Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1099, pp.543-550, 2015 (Journal Indexed in SCI)
- XXXIX. **Synthesis, molecular structure and computational study of (Z)-2-((E)-4-nitrobenzylidene)hydrazone)-1,2-diphenylethan-1-one**
ELMACI G., AKTAN E., SEFEROĞLU N., HÖKELEK T., SEFEROĞLU Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1099, pp.83-91, 2015 (Journal Indexed in SCI)
- XL. **Styryl-based NLO chromophores: synthesis, spectroscopic properties, and theoretical calculations**
Yalcin E., Achelle S., Bayrak Y., SEFEROĞLU N., Barsella A., SEFEROĞLU Z.
TETRAHEDRON LETTERS, vol.56, no.20, pp.2586-2589, 2015 (Journal Indexed in SCI)
- XL I. **A ratiometric fluorescence chemosensor based on a coumarin-pyrazolone hybrid: the synthesis and an investigation of the photophysical, tautomeric and anion binding properties by spectroscopic techniques and DFT calculations**
Babur B., SEFEROĞLU N., SEFEROĞLU Z.
TETRAHEDRON LETTERS, vol.56, no.17, pp.2149-2154, 2015 (Journal Indexed in SCI)
- XLII. **Phenylazoindole dyes 3: Determination of azo-hydrazone tautomers of new phenylazoindole dyes in solution and solid state**
Babur B., SEFEROĞLU N., AKTAN E., HÖKELEK T., ŞAHİN E., SEFEROĞLU Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1081, pp.175-181, 2015 (Journal Indexed in SCI)
- XLIII. **Switching Off the Charge Transfer and Closing the S-1-T-1 ISC Channel in Excited States of Quinolizinium Derivatives: A Theoretical Study**
Yalcin S., Thomas L., Tian M., SEFEROĞLU N., Ihmels H., DEDE Y.
JOURNAL OF ORGANIC CHEMISTRY, vol.79, no.9, pp.3799-3808, 2014 (Journal Indexed in SCI)
- XLIV. **Phenylazoindole dyes 2: The molecular structure characterizations of new phenylazo indoles derived from 1,2-dimethylindole**
Babur B., SEFEROĞLU N., AKTAN E., HÖKELEK T., ŞAHİN E., SEFEROĞLU Z.
DYES AND PIGMENTS, vol.103, pp.62-70, 2014 (Journal Indexed in SCI)
- XLV. **Phenylazoindole dyes - Part I: The syntheses, characterizations, crystal structures, quantum chemical calculations and antimicrobial properties**
SEFEROĞLU Z., Yalcin E., Babur B., SEFEROĞLU N., HÖKELEK T., Yilmaz E., ŞAHİN E.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.113, pp.314-324, 2013 (Journal Indexed in SCI)

- XLVI. MULTICRITICAL BEHAVIORS OF THE SPIN-3/2 BLUME-EMERY-GRIFFITHS MODEL ON A CELLULAR AUTOMATON**
Seferoglu N., Sezgin G.
ROMANIAN JOURNAL OF PHYSICS, vol.57, pp.1053-1064, 2012 (Journal Indexed in SCI)
- XLVII. Simulation of Spin-3/2 Blume-Capel Model on a Cellular Automaton with Heating and Cooling Algorithm**
Seferoglu N.
COMMUNICATIONS IN THEORETICAL PHYSICS, vol.56, no.1, pp.168-172, 2011 (Journal Indexed in SCI)
- XLVIII. The Study of the Three-Dimensional Spin-3/2 Ising Model on a Cellular Automaton**
Seferoglu N.
COMMUNICATIONS IN COMPUTATIONAL PHYSICS, vol.7, no.4, pp.779-792, 2010 (Journal Indexed in SCI)
- XLIX. The ferrimagnetic phase of the Blume-Emery-Griffiths model on the cellular automaton**
Seferoglu N., Kutlu B.
CENTRAL EUROPEAN JOURNAL OF PHYSICS, vol.6, no.2, pp.230-237, 2008 (Journal Indexed in SCI)
- L. Critical behavior of the Blume-Emery-Griffiths model for a simple cubic lattice on the cellular automaton**
Seferoglu N., Kutlu B.
JOURNAL OF STATISTICAL PHYSICS, vol.129, no.3, pp.453-468, 2007 (Journal Indexed in SCI)
- LI. Critical exponents for the re-entrant phase transitions in the three-dimensional Blume-Emery-Griffiths model on the cellular automaton**
Seferoglu N., Kutlu B.
CHINESE PHYSICS LETTERS, vol.24, no.7, pp.2040-2043, 2007 (Journal Indexed in SCI)
- LII. Re-entrant phase transitions of the Blume-Emery-Griffiths model for a simple cubic lattice on the cellular automaton**
Seferoglu N., Kutlu B.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.374, no.1, pp.165-172, 2007 (Journal Indexed in SCI)
- LIII. Finite size effect for the first-order phase transition of the three-dimensional Blume-Capel model on a cellular automaton**
Seferoglu N., Ozkan A., Kutlu B.
CHINESE PHYSICS LETTERS, vol.23, no.9, pp.2526-2529, 2006 (Journal Indexed in SCI)
- LIV. Critical exponents of the three-dimensional Blume-Capel model on a cellular automaton**
Ozkan A., Seferoglu N., Kutlu B.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.362, no.2, pp.327-337, 2006 (Journal Indexed in SCI)
- LV. The tricritical behavior of the 3D Blume-Capel model on a cellular automaton**
Kutlu B., Ozkan A., Seferoglu N., Solak A., Binal B.
INTERNATIONAL JOURNAL OF MODERN PHYSICS C, vol.16, no.6, pp.933-950, 2005 (Journal Indexed in SCI)
- LVI. Finite size scaling by using scaling functions in two-dimensional $q=2$ and 7 state Potts models**
Demirturk S., Seferoglu N., Aydin M., Gunduc Y.
INTERNATIONAL JOURNAL OF MODERN PHYSICS C, vol.12, no.3, pp.403-412, 2001 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. Molecular Structure Analysis and Spectroscopic Properties of Monoazo Disperse Dye From N,N-Dimethylaniline**
Arslan O., Yalcin E., SEFEROĞLU N., Yaman M., SEFEROĞLU Z.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.30, no.1, pp.175-189, 2017 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **“SYNTHESIS AND INVESTIGATION OF ANION SENSITIVITY PROPERTIES OF TWO D- π -A- π -D TYPE DYES BEARING INDOLE**
Erođlu A. B. , Özarslan A., Çakmaz D., Aydıner B., Seferođlu N., Őenöz H., Seferođlu Z.
İstanbul International Organic Electronic Symposium, İstanbul, Turkey, 2 - 04 December 2019
- II. **A Novel Series Of Indole-Based Colorimetric Chemosensors**
Çakmaz D., Keleş E., YAHYA M., PUTRA A. U. , SEFEROĐLU Z., AKTAN E., SEFEROĐLU N.
10th EurAsian Meeting on Heterocyclic Chemistry, Milano Matittima-Cervia, Ravenna, Italy, 15 - 19 September 2019
- III. **Mono-, Di- ve Trivinil Köprüsü İçeren Yeni Fonksiyonel Boyar Maddelerin Sentezi, Spektroskopik ve NLO Özelliklerinin İncelenmesi**
Çatal E., Seferođlu Z., Seferođlu N.
29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017, pp.1
- IV. **Kumarin-Pirazolon Temelli Bir Seri Yeni Floresans Moleküllerin Tautomerik Yapılarının VeFotofiziksel Özelliklerinin İncelenmesi**
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29. Ulusal Kimya Kongresi, Turkey, 10 - 14 September 2017
- V. **Trifenilamin Temelli Sitril Boyarmaddelerinin Sentezi ve Anyon İlgilerinin Deneysel ve Teorik Olarak İncelenmesi**
Keleş E., Seferođlu Z., Seferođlu N.
29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017, pp.1
- VI. **Coumarin-indole conjugate donor-acceptor system: Synthesis and biological activity studies of two coumarin-indole based push-pull dyes**
Seferođlu Z., Reis Y., Seferođlu N., Ozkutuka M., Aydıner B., Aksungur T., Arslan L., Açık L.
European Biotechnology Congress, Dubrovnik, Croatia, 25 - 27 May 2017, vol.256
- VII. **MOLECULAR STRUCTURE ANALYSES AND DFT STUDIES ONNEW BENZILMONOHYDRAZONE BASED SCHIFF BASES**
ŐAHİN E., ELMACI G., duyar h., AYDINER B., TUNÇ T., SEFEROĐLU N., SEFEROĐLU Z.
1th INTERNATIONAL CONFERENCE ON ADVANCES INENGINEERING SCIENCES, Thailand, 3 - 05 July 2017, pp.32
- VIII. **X-ray and DFT studies of new benzildihydrazone based Schiff bases**
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Scholarships

YÖK Bursu, YOK, 2012 - 2012

Non Academic Experience

Ministry, Bayındırlık ve İskan Bakanlığı, TAU Genel Müdürlüğü Bilgi İşlem Dairesi Başkanlığı

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