

Assoc. Prof. AYTUĞ OKUMUŞ

Personal Information

Office Phone: [+90 312 216 8866](tel:+903122168866)

Email: okumus@science.ankara.edu.tr

Other Email: aytugokumus@hotmail.com

Web: <https://avesis.ankara.edu.tr/okumus>

International Researcher IDs

ScholarID: 4LfeXrUAAAAJ

ORCID: 0000-0002-2169-5695

Publons / Web Of Science ResearcherID: K-5847-2019

ScopusID: 15045289600

Yoksis Researcher ID: 121454

Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2007 - 2013

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 2003 - 2006

Undergraduate, Ankara University, Fen Fakültesi, Kimya Bölümü, Turkey 1998 - 2002

Dissertations

Doctorate, Mono- ve bis- spiro halkalı fosfazen türevlerinin sentezi, stereojenik özelliklerinin, katı hal yapılarının,

biyolojik aktivitelerinin ve DNA ya etkilerinin araştırılması, Ankara University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2013

Postgraduate, $NxOy$ -($x,y=2,3,\dots$) donorlu podandlar ile trimerik fosfazenin reaksiyonları, Ankara University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2006

Research Areas

Chemistry, Inorganic Chemistry, Bioinorganic Chemistry, Inorganic Ring Compounds

Academic Titles / Tasks

Associate Professor, Ankara University, Fen Fakültesi, Kimya Bölümü, 2018 - Continues

Research Assistant, Ankara University, Fen Fakültesi, Kimya Bölümü, 2014 - 2018

Courses

KİM 109 TEMEL KİMYA LABORATUVARI (MÜH.FAK.-JEOLOJİ MÜH.), Undergraduate, 2015 - 2016, 2014 - 2015

KİM 420 ANORGANİK KİMYA LABORATUVARI, Undergraduate, 2015 - 2016, 2014 - 2015

KİM 152 TEMEL KİMYA LABORATUVARI (MÜH.FAK.-FİZİK MÜH.), Undergraduate, 2015 - 2016, 2014 - 2015

KİM 117/118 TEMEL KİMYA (UYGULAMA), Undergraduate, 2015 - 2016

KİM 123 TEMEL KİMYA LABORATUVARI (MÜH.FAK.-KİMYA MÜH.), Undergraduate, 2015 - 2016, 2014 - 2015

Advising Theses

Okumuş A., 2-Tiyofenilmetil(N/N)spirosiklotrifosfazın Türevlerinin Sentezi ve Biyolojik Aktivitelerinin İncelenmesi, Postgraduate, G.BALLI(Student), 2023

OKUMUŞ A., The investigation of reaction of 2-and 4-pyridylspirocyclotriphosphazenes the amines using conventional and microwave assisted methods, Postgraduate, B.BOZKURT(Student), 2019

Jury Memberships

Doctoral Examination, Doctoral Examination, Gebze Teknik Üniversitesi, June, 2022

Doctoral Examination, Doctoral Examination, Gebze Teknik Üniversitesi, June, 2022

Post Graduate, Post Graduate, Yozgat Bozok Üniversitesi, May, 2022

Doctoral Examination, Doctoral Examination, Gebze Teknik Üniversitesi, December, 2021

Post Graduate, Post Graduate, Gazi Üniversitesi, November, 2021

Doctorate, Doctorate, Ankara Üniversitesi, July, 2021

Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, June, 2021

Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, June, 2021

Doctorate, Doctorate, Gebze Teknik Üniversitesi, February, 2021

Doctorate, Doctorate, Gazi Üniversitesi, January, 2021

Post Graduate, Post Graduate, Yozgat Bozok Üniversitesi, October, 2020

Doctoral Examination, Doctoral Examination, Ankara Üniversitesi, July, 2020

Post Graduate, Post Graduate, Ankara Üniversitesi, October, 2019

Post Graduate, Post Graduate, Ankara Üniversitesi, July, 2019

Post Graduate, Post Graduate, Gazi Üniversitesi, June, 2019

Post Graduate, Post Graduate, Sakarya Üniversitesi, January, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, October, 2018

Post Graduate, Post Graduate, Ankara Üniversitesi, July, 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Phosphorus-nitrogen compounds: part 70. Syntheses of tetraaminomono/bis(4-fluorobenzyl)spiro(N/N)cyclotriphosphazenes: structural characterization, Hirshfeld surface analysis and comparative evaluation of esterase activities of hCA I and hCA II isoenzymes**
OKUMUŞ A., ELMAS G., Binici A., Tunca E., Hökelek T., Kılıç Z.
New Journal of Chemistry, vol.47, no.18, pp.8578-8588, 2023 (SCI-Expanded)
- II. **Phosphorus-nitrogen compounds: Part 60: Synthesis of hexaminomonoferrocenyl-spiro(N/O)cyclotetraphosphazenes: Spectral and electrochemical properties, tuning of redox feature, and antituberculosis activity**
Binici A., Elmas G., Okumuş A., Güzel R., Şimşek H., Kılıç Z.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.198, no.1, pp.21-33, 2023 (SCI-Expanded)
- III. **Phosphorus-nitrogen compounds. Part 58. Syntheses, structural characterizations and biological activities of 4-fluorobenzyl-spiro(N/O)cyclotriphosphazene derivatives**
Binici A., ELMAS G., OKUMUŞ A., Erden Tayhan S., Hokelek T., SABAH B. N., AÇIK L., Kılıç Z.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.41, no.1, pp.298-318, 2023 (SCI-Expanded)
- IV. **Phosphorus-nitrogen compounds. Part 65. Novel diansa-spiro-cyclotetraphosphazenes: synthesis, characterization, bioactivity and electrochemical properties, and dye-sensitized solar cell fabrication studies**

Mutlu G., Okumuş A., Elmas G., Kilic Z., Güzel R., Sabah B. N., Açık L., Mergen H., Hokelek T.
NEW JOURNAL OF CHEMISTRY, vol.46, no.38, pp.18384-18401, 2022 (SCI-Expanded)

- V. **Phosphorus-nitrogen compounds. Part 64. Comparative reactions of spiro and ansa (N/O) cyclotetraphosphazenes with bulky (4-fluorobenzyl) N/N and N/O donor type bidentate reagents: structure, stereogenic properties and cytotoxic activity studies**
Elmas G., Binici A., Yakut M., Okumuş A., Kilic Z., Çoşut B., Hökelek T., Cerci N. A., Açık L.
NEW JOURNAL OF CHEMISTRY, vol.46, no.33, pp.16096-16113, 2022 (SCI-Expanded)
- VI. **Phosphorus-nitrogen compounds. Part 62. Preparation of tetraaminobis (4-fluorobenzyl)spiro(N/N)cyclotriphosphazenes: Chemical, structural characterizations, antimicrobial, antioxidant and DNA-binding activity studies**
OKUMUŞ A., ELMAS G., Binici A., AYDIN B., AÇIK L., Kilic Z., HÖKELEK T.
INORGANICA CHIMICA ACTA, vol.538, 2022 (SCI-Expanded)
- VII. **Phosphorus-nitrogen compounds part 59. The syntheses of tetrachloro and tetraamino-2-pyridylmethylspiro(N/N)ethylenediaminocyclotriphosphazenes: Structural characterization, bioactivity, and molecular docking studies**
Bozkurt B., Elmas G., Yakut M., Okumuş A., Cerci N. A., Zeyrek C. T., Kilic Z., Açık L., Hokelek T.
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, vol.69, no.2, pp.310-331, 2022 (SCI-Expanded)
- VIII. **Phosphorus-nitrogen compounds. Part 56. Comparative syntheses and spectral properties of multiheterocyclic 2-cis-4-ansa and spiro-ferrocenyl (N/O)cyclotetraphosphazenes: Antituberculosis and antimicrobial activity and DNA interaction studies**
Binici A., Okumuş A., Yakut M., Elmas G., Kilic Z., Koyunoglu D., Açık L., Şimşek H.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.197, no.1, pp.18-29, 2022 (SCI-Expanded)
- IX. **Phosphorus-nitrogen compounds. Part 54. syntheses of chiral amino-4-fluorobenzyl-spiro(N/O)cyclotriphosphazenes: structural and stereogenic properties**
Mutlu O. F., Binici A., OKUMUŞ A., ELMAS G., ÇOŞUT B., Kilic Z., HÖKELEK T.
NEW JOURNAL OF CHEMISTRY, vol.45, no.27, pp.12178-12192, 2021 (SCI-Expanded)
- X. **The comparative reactions of 2-cis-4-ansa and spiro cyclotetraphosphazenes with difunctional ligands: Structural and stereogenic properties, electrochemical, antimicrobial and cytotoxic activity studies**
Okumuş A., Elmas G., Kilic Z., Binici A., Ramazanoglu N., Açık L., Çoşut B., Hökelek T., Güzel R., Tunalı B. Ç., et al.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.35, no.4, 2021 (SCI-Expanded)
- XI. **Phosphorus-nitrogen compounds. Part 48. syntheses of the phosphazanium salts containing 2-pyridyl pendant arm: structural characterizations, thermal analysis, antimicrobial and cytotoxic activity studies**
Elmas G., Okumuş A., Kilic Z., Ozbeden P., Açık L., Tunalı B. Ç., Türk M., Cerci N. A., Hökelek T.
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY, vol.59, no.4, pp.533-550, 2020 (SCI-Expanded)
- XII. **Phosphorus-nitrogen compounds- (Part 50): correlations between structural parameters for cylophosphazene derivatives containing ferrocenyl pendant arm(s)**
ASMAFİLİZ N., ELMAS G., OKUMUŞ A., BİLGE KOÇAK S., Kilic Z.
TURKISH JOURNAL OF CHEMISTRY, vol.44, no.3, pp.543-558, 2020 (SCI-Expanded)
- XIII. **Phosphorus-nitrogen compounds (Part 51): the relationship between spectroscopic and crystallographic data of mono- and di-spirocyclophosphazene derivatives with 4-fluoro/nitrophenylmethyl pendant arm/arms**
OKUMUŞ A., ELMAS G., ASMAFİLİZ N., BİLGE KOÇAK S., Kilic Z.
TURKISH JOURNAL OF CHEMISTRY, vol.44, no.3, pp.559-573, 2020 (SCI-Expanded)
- XIV. **Phosphorus-nitrogen compounds. Part 52. The reactions of octachlorocyclotetraphosphazene with sodium 3-(N-ferrocenylmethylamino)-1-propanoxide: Investigations of spectroscopic, crystallographic and stereogenic properties**
Elmas G., Okumuş A., Hökelek T., Kilic Z.

INORGANICA CHIMICA ACTA, vol.497, 2019 (SCI-Expanded)

- XV. **Phosphorus-nitrogen compounds. Part 42. The comparative syntheses of 2-cis-4-ansa(N/O) and spiro(N/O) cyclotetraphosphazene derivatives: spectroscopic and crystallographic characterization, antituberculosis and cytotoxic activity studies**
Binici A, Okumuş A, Elmas G, Kilic Z, Ramazanoglu N, Açık L, Şimşek H, Tunalı B. Ç., Türk M., Güzel R., et al.
NEW JOURNAL OF CHEMISTRY, vol.43, no.18, pp.6856-6873, 2019 (SCI-Expanded)
- XVI. **Phosphorus-Nitrogen compounds part 47: The conventional and microwave-assisted syntheses of dispirocyclotriphosphazene derivatives with (4-fluoro/4-nitrobenzyl) pendant arms: Structural and stereogenic properties and DNA interactions**
Tanrikulu G. I., YAKUT M., OKUMUŞ A., Kilic Z., HÖKELEK T., AYDIN B., AÇIK L.
INORGANICA CHIMICA ACTA, vol.490, pp.179-189, 2019 (SCI-Expanded)
- XVII. **Phosphorus-nitrogen compounds. Part 44. The syntheses of N,N-spiro bridged cyclotriphosphazene derivatives with (4-fluorobenzyl) pendant arms: Structural and stereogenic properties, DNA interactions, antimicrobial and cytotoxic activities**
Ozturk E., OKUMUŞ A., Kilic Z., KILIÇ A., Kayalak H., AÇIK L., Cerci N. A., TÜRK M., HÖKELEK T.
INORGANICA CHIMICA ACTA, vol.486, pp.172-184, 2019 (SCI-Expanded)
- XVIII. **Phosphorus-nitrogen compounds. Part 40. The syntheses of (4-fluorobenzyl) pendant armed cyclotetraphosphazene derivatives: Spectroscopic, crystallographic and stereogenic properties, DNA interactions and antimicrobial activities**
ELMAS G., OKUMUŞ A., Kilic Z., Cam M., AÇIK L., HÖKELEK T.
INORGANICA CHIMICA ACTA, vol.476, pp.110-122, 2018 (SCI-Expanded)
- XIX. **Phosphorus-nitrogen compounds. part 38. Syntheses, characterizations, cytotoxic, antituberculosis and antimicrobial activities and DNA interactions of spirocyclotetraphosphazenes with bis-ferrocenyl pendant arms**
Elmas G., Okumuş A., Cemaloğlu R., Kilic Z., Celik S. P., Açık L., Tunalı B. Ç., Türk M., Cerci N. A., Güzel R., et al.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.853, pp.93-106, 2017 (SCI-Expanded)
- XX. **Phosphorus-nitrogen compounds. Part 37. Syntheses and structural characterizations, biological activities of mono and bis(4-fluorobenzyl)spirocyclotetraphosphazenes**
ELMAS G., OKUMUŞ A., Sevinc P., Kilic Z., AÇIK L., Atalan M., TÜRK M., Deniz G., HÖKELEK T.
NEW JOURNAL OF CHEMISTRY, vol.41, no.13, pp.5818-5835, 2017 (SCI-Expanded)
- XXI. **Antiproliferative Effects against A549, Hep3B and FL Cell Lines of Cyclotriphosphazene-Based Novel Protic Molten Salts: Spectroscopic, Crystallographic and Thermal Results**
OKUMUŞ A., AKBAŞ H., KARADAĞ A., AYDIN A., Kilic Z., HÖKELEK T.
CHEMISTRYSELECT, vol.2, no.18, pp.4988-4999, 2017 (SCI-Expanded)
- XXII. **The reactions of N3P3Cl6 with monodentate and bidentate ligands: the syntheses and structural characterizations, in vitro antimicrobial activities, and DNA interactions of 4-fluorobenzyl(N/O)spirocyclotriphosphazenes**
Okumuş A., Elmas G., Kilic Z., Ramazanoglu N., Açık L., Türk M., Akca G.
TURKISH JOURNAL OF CHEMISTRY, vol.41, no.4, pp.525-547, 2017 (SCI-Expanded)
- XXIII. **Phosphorus-nitrogen compounds. Part 35. Syntheses, spectroscopic and electrochemical properties, and antituberculosis, antimicrobial and cytotoxic activities of mono-ferrocenyl-spirocyclotetraphosphazenes**
Okumuş A., Elmas G., Cemaloğlu R., Aydın B., Binici A., Şimşek H., Açık L., Türk M., Güzel R., Kilic Z., et al.
NEW JOURNAL OF CHEMISTRY, vol.40, no.6, pp.5588-5603, 2016 (SCI-Expanded)
- XXIV. **Phosphorus-nitrogen compounds part 33: in vitro cytotoxic and antimicrobial activities, DNA interactions, syntheses, and structural investigations of new mono(4-nitrobenzyl)spirocyclotriphosphazenes**
OKUMUŞ A., AKBAŞ H., Kilic Z., Koc L. Y., AÇIK L., AYDIN B., TÜRK M., HÖKELEK T., DAL H.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.42, no.5, pp.4221-4251, 2016 (SCI-Expanded)
- XXV. **Phosphorus-nitrogen compounds Part 32. Structural and thermal characterizations, antimicrobial and cytotoxic activities, and in vitro DNA binding of the phosphazanium salts**

- AKBAŞ H., OKUMUŞ A., KARADAĞ A., Kilic Z., HÖKELEK T., Koc L. Y., AÇIK L., AYDIN B., TÜRK M.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.123, no.2, pp.1627-1641, 2016 (SCI-Expanded)
- XXVI. **Syntheses, structural characterization and biological activities of spiro-ansa-spiro-cyclotriphosphazenes**
Basterzi N. S., BİLGE KOÇAK S., OKUMUŞ A., Kilic Z., HÖKELEK T., ÇELİK Ö., TÜRK M., Koc L. Y., AÇIK L., AYDIN B.
NEW JOURNAL OF CHEMISTRY, vol.39, no.11, pp.8825-8839, 2015 (SCI-Expanded)
- XXVII. **Phosphorus-nitrogen compounds. Part 29. Syntheses, crystal structures, spectroscopic and stereogenic properties, electrochemical investigations, antituberculosis, antimicrobial and cytotoxic activities and DNA interactions of ansa-spiro-ansa cyclotetraphosphazenes**
Elmas G., Okumuş A., Koc L. Y., Soltanzade H., Kilic Z., Hökelek T., Dal H., Açık L., Üstündağ Z., Dündar D., et al.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.87, pp.662-676, 2014 (SCI-Expanded)
- XXVIII. **Biofuel Cell Based on Anode and Cathode Modified by Glucose Oxidase**
Krikstolaityte V., Oztekin Y., Kuliesius J., Ramanaviciene A., YAZICIGİL Z., ERSÖZ M., OKUMUŞ A., Kausaite-Minkstimiene A., Kilic Z., Solak A. O., et al.
ELECTROANALYSIS, vol.25, no.12, pp.2677-2683, 2013 (SCI-Expanded)
- XXIX. **Phosphorus-nitrogen compounds part 27. Syntheses, structural characterizations, antimicrobial and cytotoxic activities, and DNA interactions of new phosphazenes bearing secondary amino and pendant (4-fluorobenzyl)spiro groups**
AKBAŞ H., OKUMUŞ A., Kilic Z., HÖKELEK T., SÜZEN Y., Koc L. Y., AÇIK L., Celik Z. B.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.70, pp.294-307, 2013 (SCI-Expanded)
- XXX. **Syntheses, spectroscopic properties, crystal structures, biological activities, and DNA interactions of heterocyclic amine substituted spiro-ansa-spiro- and spiro-bino-spiro-phosphazenes**
BİLGE KOÇAK S., Kocoglu S., OKUMUŞ A., Kilic Z., Ozturk A., HÖKELEK T., Oner Y., AÇIK L.
INORGANICA CHIMICA ACTA, vol.406, pp.160-170, 2013 (SCI-Expanded)
- XXXI. **Phosphorus-nitrogen compounds. Part 24. Syntheses, crystal structures, spectroscopic and stereogenic properties, biological activities, and DNA interactions of novel spiro-ansa-spiro- and ansa-spiro-ansa- cyclotetraphosphazenes**
Elmas G., Okumuş A., Kiliç Z., Hökelek T., Açık L., Dal H., Ramazanoğlu N., Koç L.
Inorganic Chemistry, vol.51, no.23, pp.12841-12856, 2012 (SCI-Expanded)
- XXXII. **Phenanthroline derivatives electrochemically grafted to glassy carbon for Cu(II) ion detection**
Oztekin Y., Yazicigil Z., Solak A. O., Ustundag Z., OKUMUŞ A., Kilic Z., Ramanaviciene A., Ramanavicius A.
Sensors and Actuators, B: Chemical, vol.166-167, pp.117-127, 2012 (SCI-Expanded)
- XXXIII. **Phosphorus-nitrogen compounds part 22. Syntheses, structural investigations, biological activities and DNA interactions of new mono and bis (4-fluorobenzyl) spirocyclophosphazenes**
Okumuş A., Kiliç Z., HÖKELEK T., Dal H., Aik L., Öner Y., Ko L. Y.
POLYHEDRON, vol.30, no.17, pp.2896-2907, 2011 (SCI-Expanded)
- XXXIV. **Phosphorus-nitrogen compounds. Part 20: Fully substituted spiro-cyclotriphosphazenic lariat (PNP-pivot) ether derivatives**
OKUMUŞ A., Bilge S., Kilic Z., Ozturk A., HÖKELEK T., YILMAZ F.
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.76, no.3-4, pp.401-409, 2010 (SCI-Expanded)
- XXXV. **Phosphorus-nitrogen compounds: Part 16. Synthesis, stereogenism, anisochronism and the relationship between 31P NMR spectral and crystallographic data of monotopic spiro-crypta phosphazene derivatives**
Kilic Z., OKUMUŞ A., Demiriz S., Bilge S., Ozturk A., Caylak N., HÖKELEK T.
Journal of Inclusion Phenomena and Macrocyclic Chemistry, vol.65, no.3, pp.269-286, 2009 (SCI-Expanded)
- XXXVI. **Phosphorus-nitrogen compounds. Part 13. Syntheses, crystal structures, spectroscopic, stereogenic, and anisochronic properties of novel spiro-ansa-spiro-, spiro-bino-spiro-, and spiro-crypta phosphazene derivatives**
Bilge S., Demiriz S., Okumus A., Kilic Z.
INORGANIC CHEMISTRY, vol.45, no.21, pp.8755-8767, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **Designation of Absolute Configuration of Multiheterocyclic 9,13-dichloro-22,22-dipyrrolidine-1-yl-1H,2H,13H,19H-9,13-(epiazenophosphazeno)-9λ5,11λ5,13λ5-[1,3,5,2,4]benzoxadiazadiphosphonino[4'xx,5'xx:2,3][1,3,2]diazaphospholo[2,1-D][1,3,5,2,4]benzoxadiazadiphosphonine By X-RAY Crystallographic Data**
ELMAS G., OKUMUŞ A., İsaoglu S. S., HÖKELEK T., KILIÇ Z.
Commun. Fac. Sci. Univ. Ank. Series B,, vol.61, pp.15-30, 2019 (Peer-Reviewed Journal)
- II. **Determination of Absolute Configuration of 8,8,10,10-Tetrachloro-20,21-dihydro-18H,23H-6,12-epiazeno-6λ5,8λ5,10λ5,12λ5-[1,3,2]benzoxazaphosphonino[2'xx,3'xx:8,9][1,3,5,7,9,2,4,6,8]pentaazatetraphosphacycloundsyno[2,1-B][1,3,2] benzoxazaphosphonine Using X-RAY Crystallography.**
ELMAS G., OKUMUŞ A., İsaoglu S. S., HÖKELEK T., KILIÇ Z.
Commun. Fac. Sci. Univ. Ank. Series B, vol.61, pp.1-14, 2019 (Peer-Reviewed Journal)
- III. **The Spectroscopic and Thermal Properties, Antibacterial and Antifungal Activity and DNA Interactions of 4- (Fluorobenzyl)Spiro(N/O) Cyclotriphosphazanium Salts.**
ELMAS G., OKUMUŞ A., KILIÇ Z., Çelik S. P., AÇIK L.
J. Turk. Chem. Soc. Sect. A: Chem., vol.4, no.3, pp.993-1016, 2017 (Peer-Reviewed Journal)
- IV. **THE SYNTHESSES AND STRUCTURAL CHARACTERIZATIONS ANTIMICROBIAL ACTIVITY AND IN VITRO DNA BINDING OF 4 FLUOROBENZYLSPIRO N O CYCLOTRIPHOSPHAZENES AND THEIR PHOSPHAZENIUM SALTS**
ELMAS G., OKUMUŞ A., KILIÇ Z., gönder l. y., AÇIK L., HÖKELEK T.
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.3, no.3, pp.25-46, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Syntheses, Spectroscopic and Crystallographic Characterizations of the 2-Thiophenylmethylspiro(N/N)di/tetrachlorocyclotriphosphazene derivatives**
BALLI G., ELMAS G., OKUMUŞ A., KILIÇ Z., HÖKELEK T.
12th International Advances in Applied Physics & Materials Science Congress & Exhibition (APMAS 2022), Turkey, 13 September 2022
- II. **Syntheses, Spectroscopic and Crystallographic Characterizations of Coumarin and Piperidine Substituted 2-Thiophenylmethylspiro(N/N)cyclotriphosphazenes**
DEMİRÇİ C. D., OKUMUŞ A., ELMAS G., KILIÇ Z., HÖKELEK T.
12th International Advances in Applied Physics & Materials Science Congress & Exhibition (APMAS 2022), Turkey, 13 September - 19 October 2022
- III. **Comparative syntheses of Monocyclic and Bicyclic 2-Trans-6-bis(4-fluorobenzyl)spiro-tetrachlorocyclotetra phosphazenes: Evaluations of Spectroscopic and Crystallographic Properties**
ELMAS G., OKUMUŞ A., Binici A., KILIÇ Z., HÖKELEK T.
ACS Fall 2022, United States Of America, 21 - 25 August 2022
- IV. **Antibacterial, Antifungal and DNA Cleavage Activities of Monocyclic and Bicyclic 2-Trans-6-bis(4-fluorobenzyl)spiro-tetrachlorocyclotetraphosphazenes**
ELMAS G., OKUMUŞ A., Binici A., AÇIK L., özbeden küçük p., KILIÇ Z.
ACS Fall 2022, CHICAGO, United States Of America, 21 August 2022
- V. **Antiproliferative and antimigrative activities of 4-fluorobenzyl-spiro(N/O)cyclotriphosphazene derivatives**
ELMAS G., OKUMUŞ A., Binici A., ERDEN TAYHAN S., KILIÇ Z.
4. International Eurasian Conference on Biological and Chemical Sciences, Turkey, 24 September 2021
- VI. **4-Fluorobenzil-Spiro(N/O)Siklotrifosfazene Türevlerinin Sentezi ve Spektroskopik Özellikleri**

ELMAS G., OKUMUŞ A., Binici A., KILIÇ Z.

VIII. Ulusal Anorganik Kimya Kongresi, Turkey, 02 September 2021

VII. **Syntheses of chiral 2-cis-4-ansa and spiro cyclotetraphosphazenes: Investigation of spectroscopic and stereogenic properties with chiral HPLC**

ELMAS G., OKUMUŞ A., Binici A., KILIÇ Z., ÇOŞUT B., HÖKELEK T.

IUPAC CCCE 2021 - 104th Canadian Chemistry Conference and Exhibition, Canada, 13 August 2021

VIII. **Chiral amino-4-fluorobenzyl-spiro(N/O)cyclotriphosphazenes: Syntheses, spectroscopic and stereogenic properties with chiral HPLC**

ELMAS G., OKUMUŞ A., Binici A., Mutlu Ö. F., KILIÇ Z., ÇOŞUT B.

IUPAC CCCE 2021 - 104th Canadian Chemistry Conference and Exhibition, Canada, 13 August 2021

IX. **Antituberculosis Activities of 2-cis-4-ansa and Spirocyclotetraphosphazene Derivatives Containing Difunctional Reagents**

OKUMUŞ A., ELMAS G., Binici A., KILIÇ Z., ŞİMŞEK H.

International Asian Congress on Contemporary Sciences-V, Azerbaijan, 01 June 2021

X. **Partly and Fully Primer Amine Substituted Mono- ferrocenylcyclotetraphosphazenes: The Investigations of Syntheses, The Antimicrobial and Dna Cleavage Activities**

ELMAS G., OKUMUŞ A., YAKUT M., Binici A., KILIÇ Z., Koyunoğlu D., AÇIK L.

International Asian Congress on Contemporary Sciences-V, Azerbaijan, 01 June 2021

XI. **Partly and Fully Primer Amine Substituted Mono- ferrocenylcyclotetraphosphazenes: The Investigations of Syntheses**

ELMAS G., OKUMUŞ A., YAKUT M., BİNİCİ A., KILIÇ Z., Koyunoğlu D., AÇIK L.

The Antimicrobial and Dna Cleavage Activities" International Asian Congress on Contemporary Sciences-V, 1 - 02 June 2021

XII. **Anticancer Activities of Spiro(N/O) and 2-cis-4-Ansa(N/O) Cyclotetraphosphazene Derivatives**

OKUMUŞ A., ELMAS G., YAKUT M., Binici A., KILIÇ Z., ÇERÇİ N. A., AÇIK L., TÜRK M.

Cell Bio Virtual 2020, baltimore, United States Of America, 02 December 2020

XIII. **Syntheses, Spectroscopic and Crystallographic Characterizations of Protic Ionic Liquids (PILs) containing 2-pyridyl pendant arm**

ELMAS G., OKUMUŞ A., KILIÇ Z., HÖKELEK T.

9th International Advances in Applied Physics & Materials Science Congress & Exhibition (APMAS 2019), fethiye, Turkey, 22 October 2019

XIV. **Syntheses, Spectroscopic and Crystallographic Characterizations of the Tetrapiperidino-2-pyridyl(N/O)spirocyclotriphosphazene and its Phosphazanium Salt**

ELMAS G., OKUMUŞ A., KILIÇ Z., HÖKELEK T.

9th International Advances in Applied Physics & Materials Science Congress & Exhibition (APMAS 2019), fethiye, Turkey, 22 October 2019

XV. **The Biological Activity Studies of 2-cis-4-ansa(N/O) and spiro(N/O) cyclotetraphosphazene Derivatives**

OKUMUŞ A., ELMAS G., Binici A., KILIÇ Z., Ramazanoğlu N., AÇIK L., Tunalı B. Ç., TÜRK M.

4th International Conference on Engineering and Natural Sciences, Turkey, 18 October 2019

XVI. **The Thermal and Electrochemical Properties of 2-cis-4-ansa(N/O) and Spiro(N/O) Cyclotetraphosphazenes**

OKUMUŞ A., ELMAS G., Binici A., KILIÇ Z., GÜZEL R.

4th International Conference on Engineering and Natural Sciences, Turkey, 18 October 2019

XVII. **Kısmen ve Tamamen Primer Amin Sübstitüe Mono-Ferrosenil Spirosiklotetrafosfazen Türevlerinin Antitüberküloz Aktiviteleri**

ELMAS G., OKUMUŞ A., Binici A., YAKUT M., ŞİMŞEK H., KILIÇ Z.

2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), Turkey, 28 June 2019

XVIII. **Mono-Ferrosenil N/O Spirosiklotetrafosfazenlerin N/O Dönörlü 4-florobenzil Ligandları ile Reaksiyonları ve Spektral Özellikleri**

ELMAS G., OKUMUŞ A., Binici A., YAKUT M., KILIÇ Z.

2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), Turkey, 28 June 2019

- XIX. **Syntheses, spectroscopic, crystallographic and stereogenic properties of the N/O donor type bis-ferrocenyl-cyclotetraphosphazenes**
ELMAS G., OKUMUŞ A., KILIÇ Z., HÖKELEK T.
ICINSE 2018 - 2nd International Conference on Innovations in Natural Science Engineering, Kiev, Ukraine, 7 - 10 September 2018, pp.130
- XX. **Syntheses, spectroscopic and stereogenic properties of the bis-ferrocenyl-2-trans-6-dispiro-cyclotetraphosphazenes**
ELMAS G., OKUMUŞ A., KILIÇ Z., CEMALOĞLU R.
The 4th International Turkic World Conference on Chemical Sciences and Technologies (ITWCCST 2018), KIEV, Ukraine, 7 - 10 September 2018
- XXI. **Syntheses and spectroscopic investigations of spirocyclotetraphosphazenes with bis-ferrocenyl pendant arms**
ELMAS G., OKUMUŞ A., KILIÇ Z., CEMALOĞLU R.
The 4th International Turkic World Conference on Chemical Sciences and Technologies (ITWCCST 2018), KIEV, Ukraine, 7 - 10 September 2018
- XXII. **Syntheses, structural and stereogenic properties of the mono-ferrocenyl-(N/O)cyclotetraphosphazenes**
ELMAS G., OKUMUŞ A., KILIÇ Z., HÖKELEK T.
The 2nd International Conference on Innovations in Nature Science and Engineering (ICINSE 2018), KIEV, Ukraine, 7 - 10 September 2018
- XXIII. **Syntheses, Spectral Properties and Antituberculosis, Antifungal and Cytotoxic Activities of Mono-ferrocenyl-spirocyclotetraphosphazenes**
OKUMUŞ A., ELMAS G., CEMALOĞLU R., AYDIN B., AÇIK L., TÜRK M., KILIÇ Z.
1st International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018
- XXIV. **Syntheses, Structural Investigations and Chiral Properties of Bis-spirophosphazene Derivatives**
TANRIKULU G. İ., OKUMUŞ A., KILIÇ Z., HÖKELEK T.
1st International Eurasian Conference on Biological and Chemical Sciences, Turkey, 26 April 2018
- XXV. **Syntheses and spectroscopic investigations of mono (4-fluorobenzyl)spirocyclotetraphosphazenes**
ELMAS G., OKUMUŞ A., KILIÇ Z.
1st International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018
- XXVI. **The antimicrobial activities and DNA interactions of (4-fluorobenzyl) pendant armed octachlorocyclotetraphosphazenes**
ELMAS G., OKUMUŞ A., KILIÇ Z., AÇIK L., ÇAM M.
1st International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018
- XXVII. **Syntheses and Structural Characterizations of 2-Pyridyl-Spiro-Cyclotriphosphazenes**
ELMAS G., OKUMUŞ A., KILIÇ Z.
ANCON-2017 / International Congress On Chemistry And Materials Science, 5 - 07 October 2017
- XXVIII. **Mono-Ferrosenil Spirosiklotetrafosfazenlerin Antitüberküloz Aktivitelerinin İncelenmesi**
ELMAS G., OKUMUŞ A., Binici A., KILIÇ Z., Şimşek H.
29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017
- XXIX. **Ferrosenil-siklotetrafosfazenlerin N2O2 donorlü tetradentat ligandlar ile reaksiyonlarının ve spektroskopik özelliklerinin incelenmesi**
Mutlu G., ELMAS G., OKUMUŞ A., KILIÇ Z., HÖKELEK T.
29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017
- XXX. **The gentisic acid salts of the tetrapyrrolidino and tetrapiperidino mono(4fluorobenzyl)spirocyclotriphosphazenes: spectroscopic and thermal results**
OKUMUŞ A., AKBAŞ H., KARADAĞ A., KILIÇ Z.
3rd International Turkish Congress on Molecular Spectroscopy, Muğla, Turkey, 26 - 29 August 2017

- XXXI. **(4-Florobenzil)Spiro(N/O)siklotrifosfazenyum Tuzlarının Spektroskopik ve Termal Özellikleri, Antimikrobiyal Aktiviteleri ve DNA ile Etkileşimleri**
ELMAS G., OKUMUŞ A., KILIÇ Z., Çelik S. P., AÇIK L.
VI. Ulusal Anorganik Kimya Kongresi (Uluslararası Katılımlı), 18 - 21 May 2017
- XXXII. **(4-Florobenzil) N,N-Mono ve Dispiro Bissiklotrifosfazenerin Sentezi**
ÖZTÜRK E., OKUMUŞ A., KILIÇ Z., KILIÇ A., HÖKELEK T.
VI. Ulusal Anorganik Kimya Kongresi, Burdur, Turkey, 18 - 21 May 2017
- XXXIII. **Syntheses Structural and Stereogenic Properties of NO Donor Type Mono ferrocenylcyclotetraphosphazenes**
ELMAS G., OKUMUŞ A., KILIÇ Z.
20. The 2nd International Turkic World Conference on Chemical Sciences and Technologies (ITWCCST 2016), 26 - 30 October 2016
- XXXIV. **The syntheses and structural characterizations of 4 fluorobenzylspiro N O cyclotriphosphazenes**
OKUMUŞ A., ELMAS G., KILIÇ Z.
The 2nd International Turkic World Conference on Chemical Sciences and Technologies (ITWCCST 2016), 26 - 30 October 2016
- XXXV. **Syntheses Spectroscopic and Stereogenic Properties of NO Donor Type Mono ferrocenyl cyclotetraphosphazenes with Diols**
ELMAS G., OKUMUŞ A., KILIÇ Z.
International Congress on Fundamental and Applied Sciences 2016 (ICFAS2016), 22 - 26 August 2016
- XXXVI. **The Reactions Spectroscopic and Stereogenic Properties of NO Donor Type Mono ferrocenyl cyclotetraphosphazenes with Monodentate Ligands**
ELMAS G., OKUMUŞ A., KILIÇ Z.
28. Ulusal Kimya Kongresi, Turkey, 15 - 21 August 2016
- XXXVII. **The Reactions of 4 Fluorobenzylspiro N O cyclotriphosphazene with Mono and Bidentate Ligands Structural Characterizations and Stereogenic Properties**
OKUMUŞ A., ELMAS G., KILIÇ Z.
28. Ulusal Kimya Kongresi, Turkey, 15 - 21 August 2016
- XXXVIII. **The Syntheses and Structural Characterizations Antimicrobial and In vitro DNA Binding of 4 Fluorobenzylspiro N O cyclotriphosphazenes and Their Phosphazanium Salts**
ELMAS G., OKUMUŞ A., KILIÇ Z., gönder İ. y., AÇIK L., HÖKELEK T.
28. Ulusal Kimya Kongresi, Turkey, 15 - 21 August 2016
- XXXIX. **Antituberculosis Activity of Mono-Ferrocenylspirocyclotetraphosphazenes**
Şimşek H., Binici A., Okumuş A., Elmas G., Cemaloğlu R., Kılıç Z.
37th Congress European Society of Mycobacteriology, Catania, Italy, 3 - 06 July 2016
- XL. **Mono-Ferrosenilspirosiklotetrafosfazenerin Antitüberküloz Aktiviteleri**
hülya ş., arzu b., OKUMUŞ A., ELMAS G., CEMALOĞLU R., KILIÇ Z.
3. Ulusal Klinik Mikrobiyoloji Kongresi, Turkey, 18 - 22 November 2015
- XLI. **Yeni Monoferrosenil Dispiro Siklotetrafosfazenerin Sentezi ve Yapılarının Aydınlatılması**
OKUMUŞ A., ELMAS G., CEMALOĞLU R., KILIÇ Z., HÖKELEK T.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015
- XLII. **Bis ferrosenil 2 6 dispiro siklotetrafosfazen Türevlerinin Sentezi Spektroskopik Özellikleri ve Kristal Yapıları**
OKUMUŞ A., ELMAS G., CEMALOĞLU R., KILIÇ Z., HÖKELEK T.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015
- XLIII. **Mono Ferrosenil Spiro Siklotetrafosfazenerinin Sentezi Karakterizasyonları Elektrokimyasal Özellikleri Antitüberküloz Antimikrobiyal Ve Sitotoksik Aktiviteleri Ve DNA İle Etkileşimleri**
OKUMUŞ A., ELMAS G., CEMALOĞLU R., AYDIN B., KILIÇ Z., HÖKELEK T., AÇIK L., TÜRK M., GÜZEL R., DÜNDAR D.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015
- XLIV. **Amin Substitue Mono 4 Nitrobenzil Siklotrifosfazenerin Sentezi Karakterizasyonları İn Vitro Sitotoksik ve Antimikrobiyal Aktiviteleri Ve Dna İle Etkileşimleri**

- OKUMUŞ A., AKBAŞ H., L Yasemin K., AYDIN B., KILIÇ Z., AÇIK L., TÜRK M., HÖKELEK T., DAL H.
V. Ulusal Anorganik Kimya Kongresi, Mersin, Turkey, 22 - 25 April 2015
- XLV. **Syntheses, Characterization and Biological Activity of spiro-ansa-spiro-Phosphazenes**
Bilge Koçak S., Başterzi N. S., Okumuş A., Kılıç Z., Hökelek T., Çelik Ö., Türk M., Koç L. Y., Açıık L., Aydın B.
V. Ulusal Anorganik Kimya Kongresi, Mersin, Turkey, 22 - 25 April 2015, pp.67
- XLVI. **Bis Mono 4 florobenzil siklotetrafosfazenlerin Sentezi Kristal Yapıları Spektroskopik Özellikleri ve Antimikrobiyal Aktiviteleri**
Pelın T., OKUMUŞ A., KILIÇ Z., AÇIK L., HÖKELEK T.
V. Ulusal Anorganik Kimya Kongresi, Mersin, Turkey, 22 - 25 April 2015
- XLVII. **Mono Ferrosenil Ansa Spiro Ansa Siklotetrafosfazen Türevlerinin Sentezi Kristal Yapıları Spektroskopik Ve Elektrokimyasal Özellikleri Antitüberküloz Antimikrobiyal Ve Sitotoksik Aktiviteleri Ve Dna İle Etkileşimleri**
ELMAS G., OKUMUŞ A., KOÇ L. Y., SOLTANZADE H., KILIÇ Z., HÖKELEK T., DAL H., AÇIK L., ÜSTÜNDAĞ Z., DÜNDAR D., et al.
V. Ulusal Anorganik Kimya Kongresi, Mersin, Turkey, 22 - 25 April 2015
- XLVIII. **Syntheses and Spectroscopic Properties of Tetrakis(morpholino) mono 4 Fluorobenzyl spiro phosphazenes**
AKBAŞ H., OKUMUŞ A., KILIÇ Z.
International Symposium on Molecular Chemistry, İstanbul, Turkey, 19 December 2014
- XLIX. **Syntheses Crystal Structures Spectroscopic and Stereogenic Properties Antituberculosis Antimicrobial and Cytotoxic Activities and DNA Interactions of Ansa Spiro Ansa Cyclotetraphosphazenes**
ELMAS G., OKUMUŞ A., KILIÇ Z., L Yasemin K., Hossien S., AÇIK L., HÖKELEK T., DAL H.
International Symposium on Molecular Chemistry, İstanbul, Turkey, 19 December 2014
- L. **DNA Interaction and Antimicrobial Activities of Ferrocenyl Cyclotetraphosphazenes**
AYDIN B., AÇIK L., OKUMUŞ A., ELMAS G., KILIÇ Z.
3rd International Molecular Biology and Biotechnology Congress, Sarajevo, Bosnia And Herzegovina, 2 - 06 June 2014
- Ll. **Partly Substituted spiro ansa spiro sas Phosphazene**
Başterzi N. S., Bilge Koçak S., Okumuş A., Kılıç Z., Hökelek T., Çelik Ö.
TUCr2014 4th National Crystallographic Meeting with International Participation, Diyarbakır, Turkey, 17 - 19 May 2014, pp.138
- LII. **Mono 4 florobenzil spiro fosfazen Bileşiklerinin Salisilik Asit Tuzlarının Sentezi Kristal Yapıları Spektroskopik ve Termal Özellikleri Biyolojik Aktiviteleri ve DNA ile Etkileşimleri**
AKBAŞ H., KARADAĞ A., KILIÇ Z., OKUMUŞ A., HÖKELEK T., DAL H., AÇIK L., KOÇ L. Y.
IV. Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 02 June 2013
- LIII. **Bis 4 florobenzil spiro fosfazenlerin Sentezi Spektroskopik ve Stereojenik Özellikleri**
TANRIKULU G. İ., OKUMUŞ A., KILIÇ Z.
IV. Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 02 June 2013
- LIV. **Tetrakis 1 4 dioksa 8 azaspiro 4 5 deka mono 4 floro spiro fosfazenlerin Sentezi ve Spektroskopik Özellikleri**
AKBAŞ H., OKUMUŞ A., KILIÇ Z.
IV. Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 02 June 2013
- LV. **Antimicrobial and Cytotoxic Activities and DNA interactions of new fully substituted mono 4 fluorobenzyl spirocyclotriphosphazenes**
AÇIK L., AKBAŞ H., OKUMUŞ A., KILIÇ Z., Koç L. Y., Çelik B.
13th International Congress of the Society for Ethnopharmacology, Graz, Austria, 2 - 06 September 2012
- LVI. **Antimicrobial Activities and DNA Interactions of Spiro ansa spiro and Ansa spiro ansacyclotetraphosphazenes**
AÇIK L., ELMAS G., OKUMUŞ A., KILIÇ Z., ramazanoğlu n., Koç L. Y.
Medicinal and aromatic plants in generating of new values in 21st century, Saraybosna, Bosnia And Herzegovina, 9

- 12 November 2011

- LVII. **Syntheses of Amine Substituted spiro-ansa-spiro- and spiro-bino-spiro-Phosphazene Derivatives, the Investigations of Their Crystal Structures, Spectroscopic Properties, Biological Activities and Effects Against DNA**
Koçođlu S., Okumuş A., Bilge Koçak S., Kılıç Z., Açık L., Öztürk Kiraz A., Hökelek T.
III. Ulusal Anorganik Kimya Kongresi, Çanakkale, Turkey, 19 - 22 May 2011, pp.12
- LVIII. **Tetrakis piperidino mono 4 florobenzil spiro fosfazenlerin sentezi kristal yapıları ve spektroskopik özellikleri**
AKBAŞ H., OKUMUŞ A., KILIÇ Z., HÖKELEK T., DAL H.
III. Ulusal Anorganik Kimya Kongresi, Çanakkale, Turkey, 19 - 22 May 2011
- LIX. **5 amino 1 10 phenanthroline as a new electron transfer mediator for glucose oxidase**
Mikoliunaite L., Voronovic J., ÖZTEKİN Y., Ramanaviciene A., YAZICIGİL Z., OKUMUŞ A., KILIÇ Z., solak a. o., Ramanavicius A.
5th International Scientific Conference the Vital Nature Sign, Vytautas magnus university, Vytautas, Lithuania, 19 - 21 May 2011
- LX. **Syntheses Crystal Structures and Spectroscopic Properties of Tetrakismorpholino mono and bis 4 fluorobenzyl spiro Phosphazene Derivatives**
OKUMUŞ A., KILIÇ Z., HÖKELEK T., DAL H.
The 11th International Chemistry Conference and Exhibition in Africa The Role of Chemistry in Development of Africa, LÜXOR, Egypt, 20 - 23 November 2010
- LXI. **Syntheses Crystal Structures and Spectroscopic Properties of Tetrakispyrrolidino mono 4 fluorobenzyl spiro Phosphazenes**
AKBAŞ H., OKUMUŞ A., KILIÇ Z., HÖKELEK T., DAL H.
The 11th International Chemistry Conference and Exhibition in Africa The Role of Chemistry in Development of Africa, Lüxor, Egypt, 20 - 23 November 2010
- LXII. **Tetramerik spiro ansa spiro ve ansa spiro ansa Fosfazen Türevleri**
ELMAS G., OKUMUŞ A., KILIÇ Z., HÖKELEK T., DAL H.
XXIV. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010
- LXIII. **Synthesis Crystal Structure and Spectroscopic Properties of Mono and Bis 4 fluorobenzyl spiro Phosphazene Derivatives**
OKUMUŞ A., KILIÇ Z., DAL H., HÖKELEK T.
FIGIPAS 2009-Meeting in Inorganic Chemistry, Palermo, Italy, 1 - 04 July 2009
- LXIV. **Fully Substituted spiro-CycloPhosphazenic Lariat (PNP-Pivot) Ether Derivatives**
Okumuş A., Bilge Koçak S., Kılıç Z., Öztürk Kiraz A., Hökelek T.
II. Ulusal Anorganik Kimya Kongresi, Elazığ, Turkey, 16 - 19 May 2009, pp.61
- LXV. **Tetramerik Fosfazen ile N2O2 donörlü Podandları reaksiyonları**
ELMAS G., OKUMUŞ A., KILIÇ Z., DAL H.
II. Ulusal Anorganik Kimya Kongresi, Elazığ, Turkey, 16 - 19 May 2009
- LXVI. **Anisochronic and Stereogenic phosphazene derivatives**
Okumuş A., Demiriz Ş., Bilge Koçak S., Kılıç Z., Hökelek T.
Sixth International Conference of the Chemical Societies of the South-Eastern European Countries, Sofija, Bulgaria, 10 - 14 September 2008, pp.187
- LXVII. **Crystal Structure Analysis of 4,4',6,6'-Tetramorfolino-spiro {1,3,2[1,2-etandioksibis(2-fenilamin)fosforin-2λ5-[4λ5,6λ5][1,3,5,2,4,6]-triazatrifosforin]}**
Öztürk Kiraz A., Hökelek T., Okumuş A., Bilge Koçak S., Kılıç Z.
Türk Fizik Derneđi 25. Uluslararası Fizik Kongresi, Muđla, Turkey, 25 - 29 August 2008
- LXVIII. **Spectroscopic and Crystallographic Properties of Morpholine and 1,4-Dioxa-8-azaspiro[4,5]decane Substituted Phosphazene Derivatives**
Bilge Koçak S., Okumuş A., Demiriz Ş., Kılıç Z., Hökelek T.
XXI. Ulusal Kimya Kongresi, Malatya, Turkey, 23 - 27 August 2007
- LXIX. **spiro ansa spiro and spiro bino spiro Phosphazenes Syntheses Crystallographic and Spectroscopic**

Properties of Phosphazenes

Natsagdorj A., Bilge Koçak S., Okumuş A., Kılıç Z., Hökelek T.

ICHAC-8. International Conference on Heteroatom Chemistry University of California, Riverside, USA, California, United States Of America, 12 - 16 August 2007, pp.50

LXX. **spiro and spiro Crypta Phosphazenes Relationships between Structural Parameters and P shifts of Bulky Substituted Phosphazenes**

Bilge Koçak S., Kılıç Z., Okumuş A., Demiriz Ş., Hökelek T., Tercan M. B.

ICHAC-8. International Conference on Heteroatom Chemistry University of California, Riverside, USA, California, United States Of America, 12 - 16 August 2007, pp.26

LXXI. **The Synthesis and Spectroscopic Properties of Phosphazene Derivatives with Ethane 1 2 Diamine Precursor**

Natsagdorj A., Bilge Koçak S., Okumuş A., Demiriz Ş., Kılıç Z.

Second International Symposium in Chemistry "Key Issues in Chemistry and Environmental Problems-2006" Ulaanbaatar, Moğolistan, Ulaanbaatar, Mongolia, 28 - 30 September 2006, pp.27

LXXII. **The Relationship between 31P NMR Chemical Shifts and Endocyclic and Exocyclic NPN Bond Angles in Cyclic Phosphazene Derivatives**

Bilge Koçak S., Okumuş A., Demiriz Ş., Kılıç Z., Tercan M. B., Hökelek T.

Second International Symposium in Chemistry "Key Issues in Chemistry and Environmental Problems-2006", Ulaanbaatar, Mongolia, 28 - 30 September 2006, pp.20

LXXIII. **Determination of Absolute Configuration of spiro-Crypta and spiro-ansa-spiro-Phosphazene Derivatives by Using 31P NMR**

Okumuş A., Bilge Koçak S., Demiriz Ş., Kılıç Z.

XX. Ulusal Kimya Kongresi, Kayseri, Turkey, 4 - 08 September 2006, pp.60

Scientific Refereeing

Hittite Journal of Science and Engineering, National Scientific Refreed Journal, July 2022

Düzce Üniversitesi Bilim ve Teknoloji Dergisi, National Scientific Refreed Journal, June 2022

Phosphorus, Sulfur, and Silicon and the Related Elements, SCI Journal, June 2022

Journal of Ata-Chem, National Scientific Refreed Journal, May 2022

JOURNAL OF THE CHINESE CHEMICAL SOCIETY, SCI Journal, March 2022

CUMHURİYET SCIENCE JOURNAL, National Scientific Refreed Journal, January 2022

INORGANICA CHIMICA ACTA, SCI Journal, June 2021

Journal of Ata-Chem, National Scientific Refreed Journal, June 2021

Journal of the Turkish Chemical Society Section A: Chemistry, National Scientific Refreed Journal, August 2020

INORGANICA CHIMICA ACTA, SCI Journal, April 2020

Düzce Üniversitesi Bilim ve Teknoloji Dergisi, National Scientific Refreed Journal, January 2019

Phosphorus, Sulfur, and Silicon and the Related Elements, SCI Journal, December 2018

Metrics

Publication: 119

Citation (WoS): 669

Citation (Scopus): 749

H-Index (WoS): 19

H-Index (Scopus): 21

Awards

Okumuş A., Ankara Üniversitesi, Fen Bilimleri Enstitüsü, 2013 Doktora Tezi Yayın Başarı Ödülü, , Ankara Üniversitesi, Fen Bilimleri Enstitüsü, October 2014