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### Uluslararası Araştırmacı ID'leri

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Yoksis Araştırmacı ID: 52055

### Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, Türkiye 1984 - 1990

Yüksek Lisans, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, Türkiye 1981 - 1984

Lisans, Hacettepe Üniversitesi, Fen Fakültesi, Kimya, Türkiye 1977 - 1981

### Yabancı Diller

İngilizce, C1 İleri

Almanca, B1 Orta

### Araştırma Alanları

Kimya, Analitik Kimya, Atomik Kütle Spektrometrisi, Atomik ve Moleküler Spektroskopisi, Emisyon Spektroskopisi, Kromatografi, Kütle Spektroskopisi, Moleküler Kütle Spektrometrisi, Termal Analiz Yöntemleri, Fizikokimya, Biyopolimerler ve uygulamaları, Polimerik Adsorbentler, Polimerik Kompleksler, Polimerik Malzemeler, Polimerlerin Tıbbi Uygulamaları, Spektroskopisi, Temel Bilimler

### Akademik Unvanlar / Görevler

Prof. Dr., Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2011 - Devam Ediyor

### Akademik İdari Deneyim

Hacettepe Üniversitesi, Fen Fakültesi, 2013 - Devam Ediyor

Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2013 - Devam Ediyor

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## Yönetilen Tezler

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- I. **Enhancing preventive and therapeutic cancer vaccine efficacy through biotherapeutic ligand-associated extracellular vesicles**  
Kahraman T., Akpınar G. G., Yildirim M., Larssen P., Bayyurt-Kocabas B., Yagci F. C., Gursel A., Horuluoglu B. H., Yazar V., AYANOĞLU İ. C., et al.  
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- II. **Co-exposure effect of different colour of LED lights and increasing temperature on zebrafish larvae (*Danio rerio*): Immunohistochemical, metabolomics, molecular and behaviour approaches**  
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- III. **Lu, Sm, and Y-based double-decker phthalocyanines with enhanced photodynamic therapy performance**  
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- IV. **Exploring metabolic alterations in PYCR2 deficiency: Unveiling pathways and clinical presentations of hypomyelinating leukodystrophy 10**  
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- V. **Dynamics of peptides released from cow milk fermented by kefir microorganisms during fermentation and storage periods**  
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- VIII. **Novel electrospun-based extractive probes for rapid determination of clinically important compounds in human plasma**  
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- IX. **Development and functionalization of electrospun fiber coated thin film microextraction devices for rapid mass spectrometric determination of biologically important polar molecules**  
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- X. **In vitro study on the competitive reactions between arsenite and selenite with glutathione**  
Ozkan C. H., ATAKAY M., SALİH B., ERTAŞ G.  
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- XI. **Manipulating macrophage polarization with nanoparticles to control metastatic behavior in heterotypic breast cancer micro-tissues via exosome signaling**  
Sungu M., Isik M., GÜLER Ü., EYLEM C. C., ESKİZENGİN H., NEMUTLU E., SALİH B., DERKUŞ B.  
Nanoscale, cilt.16, sa.1, ss.394-410, 2023 (SCI-Expanded)
- XII. **Composition characterization of various viperidae snake venoms using MS-based proteomics N-glycoproteomics and N-glycomics**

Abu Aisheh M., Kayili H. M., Numanoglu Cevik Y., Kanat M. A., SALİH B.

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- XIII. **Ocular pharmacokinetics and toxicity of nanoparticulate acetazolamide: In vivo distribution and safety of PHBV-ACZ nanoparticle**  
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- XIV. **ESI-IM-MS characterization of cyclodextrin complexes and their chemically cross-linked alpha ( $\alpha$ -), beta ( $\beta$ -) and gamma ( $\gamma$ -) cyclodextrin particles as promising drug delivery materials with improved bioavailability**  
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- XVI. **Tetrahydroxyphthalocyanine as a potential nonlinear optical material**  
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- XVII. **Prediction of gastric cancer by machine learning integrated with mass spectrometry-based N-glycomics**  
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- XVIII. **Isolation and Characterization of Rare Flavone Tetraglycosides from the Seeds of the Bioactive Plant: Peganum harmala L.**  
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- XIX. **An integrated stage-tip-based glycomic and glycoproteomic approach for simple and rapid N-glycosylation profiling of glycoproteins**  
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- XXI. **Superporous poly( $\beta$ -Cyclodextrin) cryogels as promising materials for simultaneous delivery of both hydrophilic and hydrophobic drugs**  
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- XXIII. **Biofortified Whey/Deglycosylated Whey and Chickpea Protein Matrices: Functional Enrichment by Black Mulberry Polyphenols**  
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- XXV. **Comparison of denaturing agent effects in enzymatic N-glycan release for human plasma N-glycan analysis**  
Kayili H. M., Sakhta R., SALİH B.  
TURKISH JOURNAL OF CHEMISTRY, cilt.46, sa.5, ss.1524-1533, 2022 (SCI-Expanded)
- XXVI. **Novel ABA-type Block Copolymers from Telechelic PEG-initiated Hydrogen-transfer Polymerization**  
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- XXVII. **Novel (-)-carvone derivatives as potential anticonvulsant and analgesic agents**  
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- XXVIII. **Circulating extracellular vesicles of patients with steroid-sensitive nephrotic syndrome have higher RAC1 and induce recapitulation of nephrotic syndrome phenotype in podocytes**  
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- XXX. **Recombinant Production of Bifidobacterial Endoglycosidases for N-glycan Release**  
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- XXXI. **Preparation, characterization and electrical behaviors of greenish single-chain polymeric molecule- via intramolecular ball type cobalt phthalocyanines/ graphite oxide composites**  
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- XXXII. **Differential N-glycosylation profiling of formalin-fixed paraffin-embedded (FFPE) invasive ductal carcinoma tissues using MALDI-TOF-MS**  
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- XXXIII. **Characterization and preparation of green colored intramolecular novel ball type cobalt phthalocyanine complexes with single-chain polymer structure**  
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- XXXIV. **Characterization of serum N-glycome alterations in seasonal allergic rhinitis using MALDI-TOF-MS: A pilot study**  
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- XXXV. **Human Gut Commensal Membrane Vesicles Modulate Inflammation by Generating M2-like Macrophages and Myeloid-Derived Suppressor Cells**  
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- XXXVI. **A novel AB(3)-type trimeric zinc(II)-phthalocyanine as an electrochromic and optical limiting material**  
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DALTON TRANSACTIONS, cilt.49, sa.40, ss.14068-14080, 2020 (SCI-Expanded)
- XXXVII. **Synthesis and characterization of the ABA-type poly(ester-ether-ester) block copolymers**  
Catiker E., Ozturk T., ATAKAY M., SALİH B.  
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- XXXVIII. **Following hybridization on sensor/array platforms by using SPR, ellipsometer and MALDI-MS**  
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- XXXIX. **Cytotoxic naphthoquinones from *Arnebia densiflora* (Nordm.) Ledeb and determining new apoptosis inducers**  
 Baran M. Y., GÜVENALP Z., SARAÇOĞLU İ., KAZAZ C., SALİH B., DEMİREZER L. Ö., Kuruuzum-Uz A.  
 NATURAL PRODUCT RESEARCH, cilt.34, sa.12, ss.1669-1677, 2020 (SCI-Expanded)
- XL. **Synthesis, characterization, OFET, and DFT study of the novel ball-type metallophthalocyanines bridged with four diaminopyrimidine-dithiol**  
 Molla F., Yazici A., Salcuki N. A., ALTINDAL A., SALİH B., Bekaroglu O.  
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- XLI. **Synthesis, characterization, DFT study, conductivity and effects of humidity on CO<sub>2</sub> sensing properties of the novel tetrakis- [2-(dibenzylamino)ethoxy] substituted metallophthalocyanines**  
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 SENSORS AND ACTUATORS B-CHEMICAL, cilt.310, 2020 (SCI-Expanded)
- XLII. **Catalytic Activity of Immobilized Chymotrypsin on Hybrid Silica-Magnetic Biocompatible Particles and Its Application in Peptide Synthesis**  
 BAYRAMOĞLU G., SALİH B., ARICA M. Y.  
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- XLIII. **Conformational Characterization of Polyelectrolyte Oligomers and Their Noncovalent Complexes Using Ion Mobility-Mass Spectrometry**  
 ATAKAY M., Aksakal F., BOZKAYA U., SALİH B., Wesdemiotis C.  
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- XLIV. **Hydrophilic spacer-arm containing magnetic nanoparticles for immobilization of proteinase K: Employment for speciation of proteins for mass spectrometry-based analysis**  
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- XLV. **Site-Specific characterization of peptide-polymer conjugates in various stoichiometries by MALDI-Tandem mass spectrometry**  
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- XLVI. **Performances of protein array platforms prepared by soft lithography and self-assembling monolayers-approach by using SPR, ellipsometry and MALDI-MS**  
 HAMALOĞLU K. Ö., ÇELİKBIÇAK Ö., SALİH B., Piskin E.  
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- XLVII. **N-glycan profiling of papillary thyroid carcinoma tissues by MALDI-TOF-MS**  
 KOÇAK Ö. F., KAYILI H. M., ALBAYRAK M., YAMAN M. E., KADIOĞLU Y., SALİH B.  
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- XLVIII. **Poly(amidoamine) dendrimer-coated magnetic nanoparticles for the fast purification and selective enrichment of glycopeptides and glycans**  
 KAYILI H. M., Erturk A. S., ELMACI G., SALİH B.  
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- XLIX. **A New titania glyco-purification tip for the fast enrichment and efficient analysis of glycopeptides and glycans by MALDI-TOF-MS**  
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- L. **Spectroscopic, electrochemical and electrocolorimetric properties of novel 2-(2'-pyridyl)-1H-benzimidazole appended bay-substituted perylene diimide triads**  
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- LI. **Ti (IV) attached-phosphonic acid functionalized capillary monolith as a stationary phase for in-**

**syringe-type fast and robust enrichment of phosphopeptides**

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- LII. **Synthesis and characterization of novel ABA type poly(Ester-ether) triblock copolymers**  
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## **Metrikler**

Yayın: 260

Atıf (WoS): 5060

Atıf (Scopus): 5626

H-İndeks (WoS): 42

H-İndeks (Scopus): 42

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