

## Assoc. Prof. AHMET ALTAY

### Personal Information

**Email:** aaltay@erzincan.edu.tr

**Web:** <https://avesis.ebyu.edu.tr/aaltay>

### International Researcher IDs

ORCID: 0000-0001-8120-8900

Yoksis Researcher ID: 143377

### Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biyokimya, Turkey 2008 - 2015

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Education Management and Planning, Certificate of Laboratory Animal Use, Hacettepe Üniversitesi, 2014

Education Management and Planning, Temel Hücre Kültürü Sertifikası, Uludağ Üniversitesi, 2014

Occupational Health and Safety, iş güvenliği sertifikası, ODTÜ Biyoloji Bölümü, 2010

### Dissertations

Doctorate, Salvia fruticosa M. bitkisinin Antioksidan ve Sitotoksik özellikleri ile aynı bitkinin HT-29 Kolon kanser hücre hattında bulunan bazı Sitokrom P450 ve Antioksidan enzimlerinin Gen ekspresyonları üzerine etkileri , Orta Doğu Teknik Üniversitesi, Fen Bilimler Enstitüsü, Biyokimya, 2015

### Research Areas

Chemistry, Biochemistry, Bioorganic Chemistry, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Erzincan Binali Yildirim University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2020 - Continues

Assistant Professor, Erzincan Binali Yildirim University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2018 - 2020

Assistant Professor, Erzincan Binali Yildirim University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2016 - 2018

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **5-methyl-N'-(thiophen-2-ylmethylene)-1H-pyrazole-3-carbohydrazide as potent anticancer agent: Synthesis, spectroscopic characterization, anticancer activity and DFT studies**  
Hassani I. A. E., Brandán S. A., ALTAY A., Yeniçeri E., Alsalme A., Oulmidi A., Ansar M., Karrouchi K.  
Journal of Molecular Structure, vol.1324, 2025 (SCI-Expanded)
- II. **Chalcone-based imidazo[2,1-b]thiazole derivatives: synthesis, crystal structure, potent anticancer activity, and computational studies**  
Dadou S., Altay A., Baydere C., Anouar E. H., Türkmenoğlu B., Koudad M., Dege N., Oussaid A., Benchat N., Karrouchi K.  
Journal of Biomolecular Structure and Dynamics, vol.43, no.1, pp.261-276, 2025 (SCI-Expanded)
- III. **Novel isoniazid-hydrazone derivatives induce cell growth inhibition, cell cycle arrest and apoptosis via mitochondria-dependent caspase activation and PI3K/AKT inhibition**  
Rouzi K., ALTAY A., Bouatia M., Yeniçeri E., Islam M. S., Oulmidi A., El Karbane M., Karrouchi K.  
Bioorganic Chemistry, vol.150, 2024 (SCI-Expanded)
- IV. **Diffraitaic acid exerts anti-cancer effects on hepatocellular carcinoma HepG2 cells by inducing apoptosis and suppressing migration through targeting thioredoxin reductase 1**  
Sulukoğlu E. K., Günaydın Ş., Kalın Ş. N., ALTAY A., BUDAK H.  
Naunyn-Schmiedeberg's Archives of Pharmacology, vol.397, no.8, pp.5745-5755, 2024 (SCI-Expanded)
- V. **The non-steroidal anti-inflammatory drugs based on Zinc(II) picoline complexes: Synthesis, characterization, and evaluation of antiproliferative effects against human breast adenocarcinoma MDA-MB-453 cells by inducing ROS-mediated apoptosis and down-regulating PI3K/AKT signaling pathway**  
Çağlar S., Polat T., ALTAY A., Yeniçeri E., Çağlar B.  
Polyhedron, vol.254, 2024 (SCI-Expanded)
- VI. **Phytochemical profile by LC-MS/MS analysis and evaluation of antioxidant, antidiabetic, anti-Alzheimer, and anticancer activity of Onobrychis argyrea leaf extracts**  
Yeniçeri E., ALTAY A., KÖKSAL E., Altın S., Taslimi P., Yılmaz M. A., Cakir O., Tarhan A., KANDEMİR A.  
European Journal of Integrative Medicine, vol.66, 2024 (SCI-Expanded)
- VII. **Synthesis, Characterization, Investigation of Anticancer Activity and Molecular Docking Studies of N2O2 Type Schiff Base Ligand and Metal Complexes**  
Türkmenoğlu M., Tuna Yıldırım S., Altay A., Türkmenoğlu B.  
CHEMISTRYSELECT, vol.9, no.4, pp.1-8, 2024 (SCI-Expanded)
- VIII. **Novel Pyrazole-Based Benzofuran Derivatives as Anticancer Agents: Synthesis, Biological Evaluation, and Molecular Docking Investigations**  
Ameziane El Hassani I., Altay A., Karrouchi K., Yeniçeri E., Türkmenoğlu B., Assila H., Boukharsa Y., Ramli Y., Ansar M.  
Chemistry and Biodiversity, vol.20, no.11, 2023 (SCI-Expanded)
- IX. **Diffraitaic acid exhibits thioredoxin reductase 1 inhibition in lung cancer A549 cells**  
Günaydın Ş., Sulukoğlu E. K., Kalın Ş. N., ALTAY A., BUDAK H.  
Journal of Applied Toxicology, vol.43, no.11, pp.1676-1685, 2023 (SCI-Expanded)
- X. **Effect of evernic acid on human breast cancer MCF-7 and MDA-MB-453 cell lines via thioredoxin reductase 1: A molecular approach**  
Kalın Ş. N., ALTAY A., BUDAK H.  
Journal of Applied Toxicology, vol.43, no.8, pp.1148-1158, 2023 (SCI-Expanded)
- XI. **Isolation, characterization and anticancer activity of secondary metabolites from Verbascum speciosum**  
Demirci S., ALP C., AKŞİT H., Ulutaş Y., ALTAY A., Yeniçeri E., KÖKSAL E., YAYLI N.  
Chemical Biology and Drug Design, vol.101, no.6, pp.1273-1282, 2023 (SCI-Expanded)
- XII. **Isolation and cytotoxic activities of undescribed iridoid and xanthone glycosides from Centaurium erythraea Rafn. (Gentianaceae)**  
Akşit H., Gözcü S., Altay A.  
Phytochemistry, vol.205, 2023 (SCI-Expanded)

- XIII. **Fluorescence interactions of a novel chalcone derivative with membrane model systems and human serum albumin**  
Yıldırım B., Beşer B. M., Ulaş Çolak N., Altay A., Yaşar A.  
BIOPHYSICAL CHEMISTRY, vol.290, pp.1-12, 2022 (SCI-Expanded)
- XIV. **Inhibition of thioredoxin reductase 1 by vulpinic acid suppresses the proliferation and migration of human breast carcinoma**  
Kalm Ş. N., Altay A., Budak H.  
LIFE SCIENCES, vol.310, no.1, pp.1-10, 2022 (SCI-Expanded)
- XV. **LC-MS/MS analysis and diverse biological activities of Hypericum scabrum L.: In vitro and in silico research**  
Altay A., Yeniçeri E., Taslimi P., Taşkın Tok T., Yılmaz M. A., Köksal E.  
SOUTH AFRICAN JOURNAL OF BOTANY, vol.150, pp.940-955, 2022 (SCI-Expanded)
- XVI. **Design, synthesis, anticancer evaluation and molecular docking studies of new imidazo [2, 1-b] thiazole -based chalcones**  
Dadou S., Altay A., Koudad M., Türkmenoğlu B., Yeniçeri E., Çağlar S., Allali M., Oussaid A., Benchat N., Karrouchi K.  
Medicinal Chemistry Research, vol.31, no.8, pp.1369-1383, 2022 (SCI-Expanded)
- XVII. **A Biochemical Approach for Hedysarum candidissimum from Turkey: Screening Phytochemicals, Evaluation of Biological Activites, and Molecular Docking Study**  
Altay A., Yeniçeri E., Taslimi P., Taşkın Tok T., Yılmaz M. A., Köksal E.  
CHEMISTRY AND BIODIVERSITY, vol.19, pp.1-18, 2022 (SCI-Expanded)
- XVIII. **Diffraitaic acid, a novel TrxR1 inhibitor, induces cytotoxicity, apoptosis, and antimigration in human breast cancer cells**  
Kalm Ş. N., Altay A., Budak H.  
Chemico-Biological Interactions, vol.361, 2022 (SCI-Expanded)
- XIX. **Phytochemical Analysis and Biological Evaluation of Hypericum linarioides Bosse: in Vitro and in Silico Studies**  
Altay A., Yeniçeri E., Taslimi P., Taşkın Tok T., Yılmaz M. A., Köksal E.  
CHEMISTRYSELECT, vol.7, no.3, pp.1-10, 2022 (SCI-Expanded)
- XX. **A bis indole analog molecule fluorescent probe for living cell staining**  
BEŞER B. M., ALTAY A., Talaz O., TÜRKMEMENOĞLU B.  
Journal of Photochemistry and Photobiology A: Chemistry, vol.424, 2022 (SCI-Expanded)
- XXI. **Synthesis, structural characterization and evaluation of anticancer activity of polymeric silver(I) complexes based on niflumic acid/naproxen and picoline derivatives**  
ÇAĞLAR S., ALTAY A., Harurluoğlu B., Yeniceri E. K. K., ÇAĞLAR B., Şahin O.  
Journal of Coordination Chemistry, vol.75, no.1-2, pp.178-196, 2022 (SCI-Expanded)
- XXII. **Silver(I) complexes containing diclofenac and niflumic acid induce apoptosis in human-derived cancer cell lines**  
Altay A., Çağlar S., Çağlar B.  
Archives of Physiology and Biochemistry, vol.128, no.1, pp.69-79, 2022 (SCI-Expanded)
- XXIII. **In Vitro Anticancer Activity of Novel Co(II) and Ni(II) Complexes of Non-steroidal Anti-inflammatory Drug Niflumic Acid Against Human Breast Adenocarcinoma MCF-7 Cells**  
Çağlar S., Altay A., Kuzucu M., Çağlar B.  
CELL BIOCHEMISTRY AND BIOPHYSICS, vol.79, no.4, pp.729-746, 2021 (SCI-Expanded)
- XXIV. **Binuclear silver(I) complexes with the non-steroidal anti-inflammatory drug tolfenamic acid: Synthesis, characterization, cytotoxic activity and evaluation of cellular mechanism of action**  
Harurluoğlu B., Altay A., Çağlar S., Yeniceri E. K. K., Çağlar B., Şahin Z. S.  
POLYHEDRON, vol.202, 2021 (SCI-Expanded)
- XXV. **A novel amperometric H<sub>2</sub>O<sub>2</sub> biosensor constructed by cress peroxidase entrapped on BiFeO<sub>3</sub> nanoparticles**  
Çağlar B., İçer F., Özdokur K. V., Çağlar S., Özdemir A. O., Keleş Güner E., Beşer B. M., Altay A., Çırak Ç., Doğan B., et al.  
Materials Chemistry and Physics, vol.262, 2021 (SCI-Expanded)

- XXVI. **In vitro Antioxidant and Cytotoxic Activities of Extracts of Endemic *Tanacetum erzincanense* Together with Phenolic Content by LC-ESI-QTOF-MS**  
Yapici I, ALTAY A, Ozturk Sarikaya B, KORKMAZ M, ATILA A, GÜLÇİN İ, KÖKSAL E.  
CHEMISTRY & BIODIVERSITY, vol.18, no.3, 2021 (SCI-Expanded)
- XXVII. **Isolation, characterization and antiproliferative activity of secondary metabolites from *tanacetum alyssifolium* (Bornm.) grierson**  
Köksal E, Ulutaş Y, Şimşek S, Bayraktar T, Altay A, Çatır M, Demirtaş İ, Tüfekçi A. R., Kandemir A., Alp C., et al.  
Records of Natural Products, vol.15, no.2, pp.122-129, 2021 (SCI-Expanded)
- XXVIII. **TRINUCLEAR SILVER(I) COMPLEX OF NON-STEROIDAL ANTI-INFLAMMATORY DRUG NAPROXEN: SYNTHESIS, CHARACTERIZATION, AND IN VITRO CYTOTOXICITY**  
Çağlar S., Altay A., Harurluoğlu B., Çağlar B.  
Macedonian Journal of Chemistry and Chemical Engineering, vol.40, no.2, pp.171-180, 2021 (SCI-Expanded)
- XXIX. **Novel silver(I) complexes bearing mefenamic acid and pyridine derivatives: Synthesis, chemical characterization and in vitro anticancer evaluation**  
Altay A., Çağlar S., Çağlar B., Şahin Z. S.  
INORGANICA CHIMICA ACTA, vol.493, pp.61-71, 2019 (SCI-Expanded)
- XXX. **Preliminary phytochemical analysis and evaluation of in vitro antioxidant, antiproliferative, antidiabetic, and anticholinergics effects of endemic *Gypsophila taxa* from Turkey**  
Altay A., Tohma H., Durmaz L., Taslimi P., Korkmaz M., Gülçin İ., Köksal E.  
Journal of Food Biochemistry, vol.43, no.7, 2019 (SCI-Expanded)
- XXXI. **Measurement of anticancer, antidiabetic and anticholinergic properties of sumac (*Rhus coriaria*): analysis of its phenolic compounds by LC-MS/MS**  
TOHMA H., ALTAY A., KÖKSAL E., GÖREN A. C., GÜLÇİN İ.  
JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, vol.13, no.2, pp.1607-1619, 2019 (SCI-Expanded)
- XXXII. **Anatolian sage *Salvia frutescens* inhibits cytosolic glutathione-S-transferase activity and colon cancer cell proliferation**  
Altay A., Suloglu A. K., Celep G. S., Selmanoğlu G., Bozoglu F.  
JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, vol.13, no.2, pp.1390-1399, 2019 (SCI-Expanded)
- XXXIII. **In vitro evaluation of antioxidant and anti-proliferative activities of *Gypsophila sphaerocephala* (Caryophyllaceae) extracts together with their phenolic profiles**  
Altay A., Degirmenci S., Korkmaz M., Çankaya M., Köksal E.  
Journal of Food Measurement and Characterization, vol.12, pp.2936-2945, 2018 (SCI-Expanded)
- XXXIV. **Synthesis, structural, thermal elucidation and in vitro anticancer activity of novel silver(I) complexes with non-steroidal anti-inflammatory drugs diclofenac and mefenamic acid including picoline derivatives**  
Altay A., Çağlar S., Çağlar B., Şahin O.  
POLYHEDRON, vol.151, pp.160-170, 2018 (SCI-Expanded)
- XXXV. **HPLC Analysis of Phenolic Compounds from *Gypsophila aucheri* Boiss. and Investigation of Antioxidant and Cytotoxic Activity of *Gypsophila aucheri* Boiss. extracts**  
ALTAY A.  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.2, pp.168-181, 2018 (SCI-Expanded)
- XXXVI. **Purification and selected biochemical properties of peroxidase from cress (*Lepidium sativum* sub sp. *sativum*)**  
Altay A., Koktepe T., Durmaz L., Topal F., Gülçin İ., Köksal E.  
International Journal of Food Properties, vol.21, no.1, pp.2610-2621, 2018 (SCI-Expanded)
- XXXVII. **IN VITRO ASSESSMENT OF ANTIOXIDANT AND ANTIPROLIFERATIVE ACTIVITY, AND IDENTIFICATION OF PHENOLIC PROFILE OF *GYPSOPHILA LEPIDIODES* BOISS. EXTRACTS FROM TURKEY**  
ALTAY A.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, pp.9686-9695, 2018 (SCI-Expanded)
- XXXVIII. **MODULATION OF CYTOCHROME P450s AND ANTIOXIDANT ENZYMES BY CAFFEIC ACID, p-COUMARIC ACID AND QUERCETIN-RICH ANATOLIAN PROPOLIS IN HUMAN ADENOCARCINOMA HT-29 CELLS**

- ALTAY A., Irtem-Kartal D., Sagdicoglu-Celep G., Güray T., BOZOĞLU F.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.1, pp.336-345, 2018 (SCI-Expanded)
- XXXIX. **Salvia fruticosa Modulates mRNA Expressions and Activity Levels of Xenobiotic Metabolizing CYP1A2, CYP2E1, NQO1, GPx, and GST Enzymes in Human Colorectal Adenocarcinoma HT-29 Cells**  
ALTAY A., bozoğlu f. t.  
NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.69, no.6, pp.892-903, 2017 (SCI-Expanded)
- XL. **Modulation of mRNA expression and activities of xenobiotic metabolizing enzymes, CYP1A1, CYP1A2, CYP2E1, GPx and GSTP1 by the Salicornia freitagii extract in HT-29 human colon cancer cells**  
ALTAY A., Kartal D. I., Sadi G., Guray T., Yaprak A. E.  
ARCHIVES OF BIOLOGICAL SCIENCES, vol.69, no.3, pp.439-448, 2017 (SCI-Expanded)
- XLI. **Wild Edible Mushrooms from Turkey as Possible Anticancer Agents on HepG2 Cells Together with Their Antioxidant and Antimicrobial Properties.**  
SADI G., KAYA A., YALCIN H., EMSEN B., KOCABAS A., KARTAL D., Altay A.  
International journal of medicinal mushrooms, vol.18, pp.83-95, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The Combined Effect of Vulpinic Acid and Doxorubicin in Breast Cancer MCF-7 Cells**  
Yeniçeri E., Altay A.  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.17, no.1, pp.164-173, 2024 (Peer-Reviewed Journal)
- II. **In Vitro Cytotoxic Evaluation of a Silver(I) Complex Including Non-Steroidal Anti-Inflammatory Drug Niflumic Acid and 3-Picoline on Human-Derived Cancer Cell Lines**  
Çağlar S., Altay A., Çağlar B., Kağan Yeniçeri E. K., Harurluoğlu B.  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.15, no.3, pp.736-748, 2022 (Peer-Reviewed Journal)
- III. **Investigation of Antimicrobial Activity of Lallelantia canescens (L) Fisch & Mey**  
Altın S., Altay A., Akyüz S., Kağan Yeniçeri E. K., Köksal E., Alp C.  
Erzincan University Fen Bilimleri Enstitüsü Dergisi Journal of Science and Technology, vol.14, no.2, pp.849-856, 2021 (Peer-Reviewed Journal)
- IV. **RP-HPLC Analysis of Phenolic Compounds of Gypsophila Aucheri Boiss.: Investigation of Antioxidant and Cytotoxic Activity**  
ALTAY A.  
Journal of science and technology (Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi), vol.11, no.2, pp.168-181, 2018 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of Anticancer and Antioxidant Potentials of Pastinaca erzincanensis on HeLa Cell Line**  
Alkm K. D., Yeniçeri E., Altay A.  
6. EBAT Eurasia Biochemical Approaches & Technologies, Tokat, Turkey, 24 - 27 October 2024, pp.105
- II. **Investigation of Anticancer and Antioxidant Properties of Potentilla recta Plant on Different Cancer Cell Lines**  
Yeniçeri E., Altay A.  
6. EBAT Eurasia Biochemical Approaches & Technologies, Tokat, Turkey, 24 - 27 October 2024, pp.103
- III. **Synthesis, Characterization and Investigation of Antiproliferative Activities on Different Cancer Cell Lines of Imine Compounds**  
Merkit K., Koçak R. Ş., Yeniçeri E., Tuna Yıldırım S., Altay A.  
6. EBAT Eurasia Biochemical Approaches & Technologies , Tokat, Turkey, 24 - 27 October 2024, pp.53
- IV. **Exploring the Cytotoxic and Antioxidant Properties Hedysarum candidissimum on the A549 Cell Line**  
Pirbudak İ., Yeniçeri E., Altay A.

6. Eurasia Biochemical Approaches and Technologies , Tokat, Turkey, 24 - 27 October 2024, pp.104

- V. **Synthesis, Structural Characterization and Investigation of Antiproliferative Activities of New Drug Candidate Molecules**  
Merkit K., Tuna Yıldırım S., Kağan Yeniçeri E. K., Altay A.  
7th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem), Ankara, Turkey, 2 - 04 October 2024, pp.75
- VI. **Scorzenera Aucheriana Bitkisinin Farklı Kanser Hücre Hatları Üzerine Antiproliferatif Aktivitesi ve Antioksidan Kapasitesinin Değerlendirilmesi**  
Taştı S., Kağan Yeniçeri E. K., Akşit H., Altay A.  
11. Uluslararası Bilimsel Çalışmalar Kongresi, Ankara, Turkey, 2 - 03 May 2023, pp.202
- VII. **Anticancer and tyrosinase inhibition properties methanolic extracts of some medicinal plants from Erzincan**  
Tüfekçi A. R., Akşit H., Şimşek S., Adem Ş., Kandemir A., Altay A.  
4th International Eurasian Conference on Science, Engineering and Technology , Ankara, Turkey, 14 - 16 December 2022, pp.1255-1259
- VIII. **Evaluation of Thioredoxin Reductase 1-Targeted Anticancer Effect of Evernic Acid on Human Lung Cancer A549 Cell Line**  
Günaydın Ş., Kalın Ş., Karaca Sülükoğlu E., Altay A., Budak H.  
4th Eurasia Biochemical Approaches & Technologies (EBAT) 2022, Antalya, Turkey, 3 - 06 November 2022, pp.124
- IX. **Hypericum linarioides Bosse-(Kan Otu)'nun İnsan Meme Kanseri (MCF-7) Hücreleri Üzerine Antioksidan ve Sitotoksik Etkileri**  
Altay A., Kağan Yeniçeri E. K.  
EURASIANBIOCHEM , Ankara, Turkey, 24 - 26 November 2021, pp.712-720
- X. **Assessment of Antioxidant activity and Antiproliferative Effects of Hypericum scabrum L. on Human Colon Cancer HT-29 Cells**  
Altay A., Kandemir A., Kağan Yeniçeri E. K.  
3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021), Ankara, Turkey, 15 - 17 December 2021, pp.717-724
- XI. **Yeni bir schiff bazı ligandı ile komplekslerinin sentezlenmesi, karakterizasyonu ve antiproliferatif aktivitelerinin prostat kanser hücre hattı (PC-3) üzerinde incelenmesi**  
Tuna Yıldırım S., Kağan Yeniçeri E. K., Altay A.  
3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021), Ankara, Turkey, 15 - 17 December 2021, vol.1, no.1, pp.69
- XII. **N202 tipi schiff bazı ligand ve komplekslerinin sentezlenmesi, karakterizasyonu ve antikanser aktivitelerinin prostat kanser hücre hattı (PC-3) üzerinde incelenmesi**  
Tuna Yıldırım S., Türkmenoğlu M., Kağan Yeniçeri E. K., Altay A.  
4th International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 24 - 26 November 2021, pp.225
- XIII. **Investigation of phenolic composition, antioxidant activity and cytotoxicity effects of various extracts of Achillea sintenisii**  
Köksal E., Altay A., Alp C., Altın S.  
4th International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 24 - 26 November 2021, pp.785-789
- XIV. **Investigation of Thioredoxin Reductase-Targeted Anticancer Effect of DiffRACTAIC Acid on Human Lung Cancer**  
Günaydın Ş., Karaca E., Kalın Ş., Altay A., Budak H.  
3RD EURASIA BIOCHEMICAL APPROACHES & TECHNOLOGIES (EBAT), Antalya, Turkey, 4 - 07 November 2021, pp.85
- XV. **Anti-cancer Effect of DiffRACTAIC Acid on Hepatocellular Carcinoma through Inducing of Apoptosis and Suppression of Metastasis**  
Karaca E., Günaydın Ş., Kalın Ş., Altay A., Budak H.

- 3rd Eurasia Biochemical Approaches & Technologies (EBAT), Antalya, Turkey, 4 - 07 November 2021, pp.64
- XVI. **Investigation of In Vitro Cytotoxic Effects of Different Extracts of Endemic *Achillea sintenisii* Against MCF-7, MDA-MB-453 and HT-29 Human Cancer Cell Lines**  
Altın S., Köksal E., Alp C., Altay A., Akşit H., Ulutaş Y.  
3rd Eurasia Biochemical Approaches & Technologies Congress (EBAT), Antalya, Turkey, 4 - 07 November 2021, pp.107
- XVII. **New Schiff Base Ligand-Complexes: Synthesis, Characterization, and Biological Evaluation**  
Tuna Yıldırım S., Türkeş C., Kağan Yeniçeri E. K., Duran H. E., Altay A., Beydemir Ş.  
3rd Eurasia Biochemical Approaches & Technologies Congress (EBAT), Antalya, Turkey, 4 - 07 November 2021, pp.98
- XVIII. **Diffraçtaic Acid Induces Cytotoxicity and Apoptosis in MCF-7 Cell Line**  
Kalın Ş., Altay A., Budak H.  
3rd Eurasia Biochemical Approaches & Technologies (EBAT), Antalya, Turkey, 4 - 07 November 2021, pp.51
- XIX. **Investigation of the Cytotoxic Effect of Different Extracts of *Lallemantia Canescens* (L) Fisch & Fruit Plant on Cancer Cell Lines**  
Alp C., Altın S., Köksal E., Altay A.  
3rd Eurasia Biochemical Approaches & Technologies (EBAT), Antalya, Turkey, 4 - 07 November 2021, pp.112
- XX. **NSAIDs VE PİKOLİN TÜREVLERİ İLE ÇİNKO(II) KOMPLEKSLERİNİN SENTEZİ, KARAKTERİZASYONU VE ANTİKANSER AKTİVİTELERİNİN İNCELENMESİ**  
Polat T., Çağlar S., Altay A.  
VIII.Ulusal Anorganik Kimya Kongresi, Tekirdağ, Turkey, 2 - 05 September 2021, pp.40
- XXI. **Investigation of antioxidant and cytotoxic effects of different extracts of *Hypericum linarioides* Bosse on MCF 7 and HT29 human cancer cell lines.**  
Altay A., Kandemir A., Kağan Yeniçeri E. K.  
ULUSLARARASI 9. İLAÇ KİMYASI KONGRESİ (9th Drug Chemistry Conference), Antalya, Turkey, 8 - 11 April 2021, pp.1-2
- XXII. **Investigation of phenolic composition, antioxidant activity, cytotoxicity, wound healing and apoptotic effects of various extracts from *Consolida orientalis***  
Altay A., Kağan Yeniçeri E. K.  
Uluslararası 9. İlaç Kimyası Kongresi (9th Drug Chemistry Conference), Antalya, Turkey, 8 - 11 April 2021, pp.1-4
- XXIII. **İnsan glioblastoma hücre hattında Cimin üzümünün antioksidan ve anti-proliferatif etkilerinin incelenmesi**  
ATICI T., ALTUN ÇOLAK D., ÇOLAK S., ERSÖZ Ç., GEYİKOĞLU F., ALTAY A., KOÇ K., ÇERİĞ S.  
XI. MAS European International Congress On Mathematics-Engineering-Natural Medical Sciences, Tokat, Turkey, 13 - 15 March 2020
- XXIV. **Yeni bir schiff bazı ligandı ile metal komplekslerinin sentezi, karakterizasyonu ve bunların biyolojik aktivitelerinin incelenmesi**  
TUNA YILDIRIM S., ALTAY A.  
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), Ankara, Turkey, 28 - 29 June 2019, pp.126
- XXV. **ANTIPROLIFERATIVE EFFECTS OF SECONDARY METABOLITES ISOLATED FROM *CENTAURINUM ERYTHREAEA***  
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