

Personal Information

Email: esrabulut@cumhuriyet.edu.tr

Web: <https://avesis.cumhuriyet.edu.tr/esrabulut>

Education Information

Doctorate, Dokuz Eylul University, Institute Of Hemodialyses And Transplantation, Department Of Hemodialysis, Turkey
2016 - Continues

Post Graduate, Aksaray University, Faculty Of Science And Letters, Department Of Biotechnology And Molecular Biology,
Turkey 2014 - 2016

Under Graduate, Sivas Cumhuriyet University, Fen Fakültesi, Moleküler Biyoloji ve Genetik Bölümü, Turkey 2010 - 2014

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Molecular Biology and Genetics, Molecular Biology of Cancer, Natural Sciences

Academic Titles / Tasks

Research Assistant, Sivas Cumhuriyet University, Fen Fakültesi, Moleküler Biyoloji ve Genetik Bölümü, 2017 - Continues

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

- I. **Synthesis and characterization of thiosemicarbazone-functionalized organoruthenium (II)-arene complexes: Investigation of antitumor characteristics in colorectal cancer cell lines**
Subasi E., Atalay E., Erdogan D., Sen B., Pakyapan B., Kayali H. A.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.106, 2020 (Journal Indexed in SCI)
- II. **Isolation and identification of chitin from heavy mineralized skeleton of *Suberea clavata* (Verongida: Demospongiae: Porifera) marine demosponge**
Ehrlich H., Bazhenov V. V. , Debitus C., de Voogd N., Galli R., Tsurkan M. V. , Wysokowski M., Meissner H., Bulut E., Kaya M., et al.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.104, pp.1706-1712, 2017 (Journal Indexed in SCI)
- III. **In situ chitin isolation from body parts of a centipede and lysozyme adsorption studies**
Bulut E., Sargin I., Arslan O., Odabasi M., Akyuz B., Kaya M.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.70, pp.552-563, 2017 (Journal Indexed in SCI)
- IV. **Three-dimensional chitin rings from body segments of a pet diplopod species: Characterization and**

protein interaction studies

Kaya M., Mulercikas P., Sargin I., Kazlauskaitė S., Baublys V., Akyuz B., Bulut E., Tubelyte V.

MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.68, pp.716-722, 2016
(Journal Indexed in SCI)

V. **Chitosan nanofiber production from *Drosophila* by electrospinning**

Kaya M., Akyuz B., Bulut E., Sargin I., Eroglu F., Tan G.

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.92, pp.49-55, 2016 (Journal Indexed in SCI)

VI. **GENDER INFLUENCES DIFFERENTIATION OF CHITIN AMONG BODY PARTS**

Kaya M., Bulut E., Mujtaba M., Sivickis K., Sargin I., Akyuz B., Erdogan S.

ARCHIVES OF INSECT BIOCHEMISTRY AND PHYSIOLOGY, vol.93, is.2, pp.96-109, 2016 (Journal Indexed in SCI)

VII. **DNA interaction, antitumor and antimicrobial activities of three-dimensional chitosan ring produced from the body segments of a diplopod**

Kaya M., Akyuz B., Bulut E., Sargin I., Tan G., Erdonmez D., Maheta M., Satkauskas S., Mickevicius S.

CARBOHYDRATE POLYMERS, vol.146, pp.80-89, 2016 (Journal Indexed in SCI)

VIII. **Novel three-dimensional cellulose produced from trunk of *Astragalus gummifer* (Fabaceae) tested for protein adsorption performance**

Kaya M., Odabasi M., Mujtaba M., Sen M., Bulut E., Akyuz B.

MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.62, pp.144-151, 2016
(Journal Indexed in SCI)

IX. **Fluctuation in physicochemical properties of chitins extracted from different body parts of honeybee**

Kaya M., Mujtaba M., Bulut E., Akyuz B., Zelencova L., Sofi K.

CARBOHYDRATE POLYMERS, vol.132, pp.9-16, 2015 (Journal Indexed in SCI)

X. **First chitin extraction from *Plumatella repens* (Bryozoa) with comparison to chitins of insect and fungal origin**

Kaya M., Baublys V., Satkauskiene I., Akyuz B., Bulut E., Tubelyte V.

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.79, pp.126-132, 2015 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

I. **Investigation of antitumor activity of organoruthenium (II)-arene complexes coordinated with thiosemicarbazones synthesized in colorectal cancer cell lines**

erdoğan d., BULUT ATALAY E., SUBAŞI E., AYAR KAYALI H.

7th International BAU Drug Design Congress, 19 - 21 December 2019

II. **Development of a Colon PDX Model to Analyze the Effect of a Point Mutation in Metabolism**

BULUT ATALAY E., ELLİDOKUZ E. B. , Meuwissen R., AYAR KAYALI H.

2nd INTERNATIONAL CANCER AND ION CHANNELS CONGRESS, 22 - 24 September 2019

III. **Investigation of Metabolite Levels in TCA Cycle and Glycolysis in Colon Cancer Cell Lines**

BULUT ATALAY E., AYAR KAYALI H.

2nd INTERNATIONAL CANCER AND ION CHANNELS CONGRESS, 22 - 24 September 2019

IV. **Production of Three-Dimensional Chitin and It's Potential Application Areas**

BULUT ATALAY E., KAYA M.

2nd International congress on the world of technology and advanced materials (WITAM), 28 September 2016 - 02 October 2017

V. **Macroalgal Bloom Biomass for Congo Red Removal: Equilibrium, Kinetic, Thermodynamic and Competitor Ions Effects Studies**

SARGIN İ., KAYA M., yılmaz b., BULUT ATALAY E., ARSLAN G.

ECOLOGY 2017 INTERNATIONAL SYMPOSIUM, 11 - 13 May 2017

VI. **Recycling and physicochemical characterization of pomegranate waste peels into a green material**

(cellulose)

mujtaba m., KAYA M., BULUT ATALAY E., akyüz b.

International conference on Natural Science and Engineering (ICNASE'16), 19 - 20 March 2016

Supported Projects

Bulut Atalay E., Ayar Kayalı H., TUBITAK Project, Investigation of Metabolite Levels in TCA Cycle and Glycolysis Path in Colon Cancer Cell Lines at Different Stages by HPLC Method, 2019 - 2020

Subaşı E., Ayar Kayalı H., TUBITAK Project, 'New Thiosemicarbazone Ligands and Ruthenium (II / III) Complexes: Synthesis, Characterization and Investigation of Anticancer Properties, 2017 - 2018

Kaya M., Project Supported by Higher Education Institutions, ÇIYANIN FARKLI VÜCUT KISIMLARINDAN ORJİNAL YAPI KORUNARAK BİYOTEKNOLOJİK UYGULAMALAR İÇİN İKİ VE ÜÇ BOYUTLU NANO KİTİN ÜRETİMİ, 2016 - 2016

Erdoğan S., Kaya M., TUBITAK Project, Conversion species of invasive grasshopper (*Dociostaurus maroccanus*) to chitin and chitosan that are technological product, 2014 - 2015

Citations

Total Citations (WOS):130

h-index (WOS):7

Awards

Bulut Atalay E., Ellidokuz E. B. , Meuwissen R. L. J. , Ayar Kayalı H., Development of a Colon PDX Model to Analyze the Effect of a Point Mutation in Metabolism, 2Nd International Cancer And Ion Channels Congress, September 2019