

## Assoc. Prof. Azade ATTAR

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Yildiz Technical University, Faculty Of Arts & Science, Kimya, Turkey 2004 - 2010

Postgraduate, Istanbul Technical University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik, Turkey 2001 - 2004

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji, Turkey 1997 - 2001

### Research Areas

Soil and Plant Feed, Biomolecules, Molecular Biochemistry, Biotechnology, Industrial Biotechnology, Microbial Biotechnology, Environmental Biology, Microbiology

### Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Bioengineering, 2005 - Continues

### Courses

#### Postgraduate

Mikrobiyal Biyoteknoloji, Postgraduate, 2022 - 2023

#### Undergraduate

Biotechnology and biosecurity, Undergraduate, 2019 - 2020

Introduction to modern biology, Undergraduate, 2019 - 2020

Biyomühendislikte Mesleki İngilizce II, Undergraduate, 2017 - 2018

### Supervised Theses

ATTAR A., Halofilik Arkeal Kaynaklı Lipaz Üretim Koşullarının Optimizasyonu ve Aktif Lipazın Saflaştırılması, Postgraduate, M.Özgen(Student), 2016

ATTAR A., Tüberküloz ilaçları; Rifampicin ve İzonyazidin Arkeozomlardan Salınımının İncelenmesi, Postgraduate, C.Bakır(Student), 2016

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

- I. **A novel controlled release system Au-CuONP/P(MMAcoMAA)/chitosan nanocomposites: Synthesis, characterization, antimicrobial activity and in silico molecular docking**  
Isiksel E., ATTAR A., Ozalp L., ALTIKATOĞLU YAPAÖZ M.  
International Journal of Biological Macromolecules, vol.307, 2025 (SCI-Expanded)
- II. **A study of TiO<sub>2</sub>-enhanced nanofluids in internal combustion engines using neural networks**  
PUSAT Ş., Karagöz Y., ATTAR A., Karagoz S.  
Scientific Reports, vol.14, no.1, 2024 (SCI-Expanded)
- III. **Design, synthesis and biological evaluation of novel benzocoumarin derivatives as potent inhibitors of MAO-B activity**  
MELETLİ F., Gündüz C., Alparslan M. M., ATTAR A., DEMİR S., İskit E., DANIŞ Ö.  
Bioorganic and Medicinal Chemistry Letters, vol.113, 2024 (SCI-Expanded)
- IV. **Bio-capped multifunctional CuO nanoparticles via Knautia arvensis for dye removal, antibacterial and antifungal efficiency, and molecular docking**  
Attar A., Arı Yuka S., Altıkatoğlu Yapaöz M.  
MATERIALS RESEARCH EXPRESS, no.11, pp.1-12, 2024 (SCI-Expanded)
- V. **Biofabrication of Acer palmatum-Mediated Multifunctional CuO Nanoparticles for Dye Removal, Antibacterial-Antifungal Activity, and Molecular Docking**  
Sazak C., ATTAR A., YILMAZ A., ALTIKATOĞLU YAPAÖZ M.  
ACS Omega, vol.8, no.40, pp.36835-36844, 2023 (SCI-Expanded)
- VI. **Biogenic synthesis, molecular docking, biomedical and environmental applications of multifunctional CuO nanoparticles mediated Phragmites australis**  
Kocabas B. B., Attar A., Yuka S., Yapaoz M. A.  
BIOORGANIC CHEMISTRY, vol.133, pp.106414, 2023 (SCI-Expanded)
- VII. **Experimental investigation of bimetallic nanoparticles heat transfer characteristics in automotive radiators**  
Arbak A., ATTAR A., ALTIKATOĞLU YAPAÖZ M., ARMAĞAN M., Bulbul Y., Demir E. K., Karagöz Y.  
Case Studies in Thermal Engineering, vol.43, 2023 (SCI-Expanded)
- VIII. **The analysis of methylxanthine fractions obtained from Camellia sinensis cultivated in Turkey and effects on the in vitro inhibition of CYP2D6 enzyme**  
Attar A., Altıkatoğlu Yapaöz M.  
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, vol.70, no.1, pp.22-27, 2023 (SCI-Expanded)
- IX. **Heat transfer performance of sol-gel synthesized CuONP-doped coolant in diesel engines**  
Karagoz Y., Attar A., Arbak A., Pusat Ş.  
Case Studies in Thermal Engineering, vol.37, 2022 (SCI-Expanded)
- X. **Phytosynthesis of CuONPs via Laurus nobilis: Determination of antioxidant content, antibacterial activity, and dye decolorization potential**  
Bulut Kocabas B., Attar A., Peksel A., Altıkatoğlu Yapaöz M.  
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, vol.68, no.4, pp.889-895, 2021 (SCI-Expanded)
- XI. **Fuel consumption and emission comparison of conventional and hydrogen feed vehicles**  
BALCI Ö., Karagöz Y., KALE S., Damar S., ATTAR A., Köten H., DALKILIÇ A. S., Wongwises S.  
International Journal of Hydrogen Energy, vol.46, pp.16250-16266, 2021 (SCI-Expanded)
- XII. **Complexes of glucose oxidase with chitosan and dextran possessing enhanced stability**  
Baykal E., Vardar G., Attar A., Altıkatoğlu Yapaöz M.  
PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, vol.50, no.6, pp.572-577, 2020 (SCI-Expanded)
- XIII. **An accomplished procedure of horseradish peroxidase immobilization for removal of acid yellow 11 in aqueous solutions**  
ALTIKATOĞLU YAPAÖZ M., ATTAR A.  
WATER SCIENCE AND TECHNOLOGY, vol.81, no.12, pp.2664-2673, 2020 (SCI-Expanded)
- XIV. **Trace analysis of amines in cheese serum with liquid chromatographic potentiometric detection by using amine-selective electrode**

- Aydin R., Asan A., ATTAR A., İŞILDAK İ.  
ARABIAN JOURNAL OF CHEMISTRY, vol.12, no.8, pp.4533-4540, 2019 (SCI-Expanded)
- XV. **Development of urea biosensor using non-covalent complexes of urease with aldehyde derivative of PEG and analysis on serum samples**  
Vardar G., Attar A., Yapaoz M.  
PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, vol.49, no.9, pp.868-875, 2019 (SCI-Expanded)
- XVI. **Salvia officinalis-derived rutile TiO(2)NPs: production, characterization, antibacterial evaluation and its effect on decolorization**  
Yapaoz M. A., Attar A.  
MATERIALS RESEARCH EXPRESS, vol.6, no.5, 2019 (SCI-Expanded)
- XVII. **Effects of Azorhizophilus paspali and Paenibacillus mucilaginosus as Biofertilizer and Determination of Nutritional Efficiency by Sensors**  
Attar A.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.43, no.7, pp.3477-3484, 2018 (SCI-Expanded)
- XVIII. **Biomimetic synthesis, characterization and antibacterial efficacy of ZnO and Au nanoparticles using echinacea flower extract precursor**  
Attar A., Yapaoz M.  
MATERIALS RESEARCH EXPRESS, vol.5, no.5, 2018 (SCI-Expanded)
- XIX. **Preparation, characterization, and in vitro evaluation of isoniazid and rifampicin-loaded archaeosomes**  
ATTAR A., Bakir C., Yuce-Dursun B., DEMİR S., ÇAKMAKÇI E., DANIŞ Ö., BİRBİR M., OGAN A.  
CHEMICAL BIOLOGY & DRUG DESIGN, vol.91, no.1, pp.153-161, 2018 (SCI-Expanded)
- XX. **Biosynthesis of palladium nanoparticles using Diospyros kaki leaf extract and determination of antibacterial efficacy**  
Attar A., Yapaoz M.  
PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, vol.48, no.7, pp.629-634, 2018 (SCI-Expanded)
- XXI. **A Novel all Solid-State Contact PVC-Membrane Beryllium-Selective Electrode Based on 4-Hydroxybenzo-15-Crown-5 Ether Ionophore**  
İŞILDAK İ., ATTAR A., Demir E., Kemer B., Aboul-Enein H. Y.  
CURRENT ANALYTICAL CHEMISTRY, vol.14, no.1, pp.43-48, 2018 (SCI-Expanded)
- XXII. **GREEN SYNTHESIS OF COPPER OXIDE NANOPARTICLES USING OCIMUM BASILICUM EXTRACT AND THEIR ANTIBACTERIAL ACTIVITY**  
Altikatoglu M., ATTAR A., ERCİ F., Cristache C. M., İŞILDAK İ.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, pp.7832-7837, 2017 (SCI-Expanded)
- XXIII. **Gen terapi yöntemleri: Fiziksel ve kimyasal metodlar**  
ATTAR A.  
Türk Hijyen ve Deneysel Biyoloji Dergisi, vol.74, no.1, pp.103-112, 2016 (SCI-Expanded)
- XXIV. **Enzymatic activity of a novel halotolerant lipase from Haloarcula hispanica 2TK2**  
Ozgen M., Attar A., Elalmış Y., Birbir M., Yücel S.  
POLISH JOURNAL OF CHEMICAL TECHNOLOGY, vol.18, pp.20-25, 2016 (SCI-Expanded)
- XXV. **Simultaneous Analysis of Monovalent Anions and Cations with a Sub-Microliter Dead-Volume Flow-Through Potentiometric Detector for Ion Chromatography.**  
DUMANLI R., ATTAR A., ERCİ V., Isildak I.  
Journal of chromatographic science, vol.54, pp.598-603, 2016 (SCI-Expanded)
- XXVI. **The potential of archaeosomes as carriers of pDNA into mammalian cells**  
Attar A., Ogan A., Yucel S., Turan K.  
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.44, no.2, pp.710-716, 2016 (SCI-Expanded)
- XXVII. **Transesterification of hazelnut oil by ultrasonic irradiation**  
Kesgin C., Yücel S., Özçimen D., Terzioglu P., Attar A.  
INTERNATIONAL JOURNAL OF GREEN ENERGY, vol.13, pp.328-333, 2016 (SCI-Expanded)
- XXVIII. **Development of Potentiometric Lactate Biosensor Based on Composite pH Sensor**

Uygun H. D. E., TINKILIÇ N., ATTAR A., İŞILDAK İ.

JOURNAL OF NEW MATERIALS FOR ELECTROCHEMICAL SYSTEMS, vol.19, no.3, pp.151-156, 2016 (SCI-Expanded)

XXIX. **Preparation of poly(3-hydroxybutyrate-co-hydroxyvalerate) films from halophilic archaea and their potential use in drug delivery**

DANIŞ Ö., OGAN A., Tatlıcan P., ATTAR A., ÇAKMAKÇI E., MERTOĞLU B., BİRBİR M.

EXTREMOPHILES, vol.19, no.2, pp.515-524, 2015 (SCI-Expanded)

XXX. **A new type of Fe<sup>2+</sup>/Fe<sup>3+</sup> based silicone composite pH electrode and potentiometric applications**

Ozturk S., İŞILDAK İ., ATTAR A., Andac M.

Sensor Letters, vol.13, no.5, pp.393-397, 2015 (SCI-Expanded)

XXXI. **A Novel Potentiometric Sensor for Determination of Neurotoxin ss-N-Oxalyl-L-alpha, ss-Diaminopropionic Acid**

Isildak O., Saymaz F., Karadag A., Korkmaz N. O., ATTAR A.

BIOMED RESEARCH INTERNATIONAL, 2014 (SCI-Expanded)

## Articles Published in Other Journals

I. **Production of Fungal and Archaeal Lipases, Comparison of their Enzymatic Activities and Utilization in Paper Production**

Attar A.

Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.13, no.3, pp.823-828, 2017 (Peer-Reviewed Journal)

II. **Gene therapy techniques: Physical and chemical methods Gen terapisi yöntemleri: Fiziksel ve kimyasal metotlar**

Attar A.

Türk Hijyen ve Deneysel Biyoloji Dergisi, vol.74, no.1, pp.103-112, 2017 (Scopus)

III. **Production of  $\alpha$ -Amylase from Haloarcula hispanica 2TK2 Strain: Optimization of the Parameters That Effecting Activity**

Erdağı A. N., Attar A., Elalmış Y., Yücel S., Birbir M.

Advanced Science Letters, vol.19, no.12, pp.3551-3555, 2013 (Peer-Reviewed Journal)

IV. **The Effect of Antioxidants on Antibiotic Sensitivity of Bacteria**

Qurbanov A. İ., Attar A.

TURK HIJYEN VE DENEYSEL BIYOLOJİ DERGİSİ. TURKISH BULLETIN OF HYGIENE AND EXPERIMENTAL BIOLOGY, vol.64, no.2, pp.14-20, 2007 (Scopus)

## Papers Published in Refereed Scientific Meetings

I. **Human health-friendly bioplastic produced by using household waste that can be used in child products**

Attar A., Fazlıoğlu M. E.

World Children Conference IV, Lefkoşa, Cyprus (Kkctc), 14 - 17 June 2023, pp.37

II. **Comparison of emission and fuel consumption values of a gasoline fuelled and gasoline hydrogen fuelled SI engine powered light duty vehicle in new european driving cycle**

Karagöz Y., Attar A., Balcı Ö., Köten H.

4th International Hydrogen Technologies Congress, Edirne, Turkey, 20 - 23 June 2019, no.153, pp.294-297

III. **On Vehicle Comparison of Gasoline Fueled SI Engine, Hydrogen Fueled SI Engine and Hydrogen Fueled SI Engine Microbial Fuel Cell Powered Systems**

Attar A., Karagöz Y., Balcı Ö., Kale S., Köten H.

4th International Hydrogen Technologies Congress, Edirne, Turkey, 20 - 23 June 2019, no.154, pp.298-301

IV. **Experimental Comparison of Fuel Consumption and Emission Values of Pem FC - Battery and a**

### **Ligtweight Vehicle with SI Engine Hybrid Drive System**

Karagöz Y., Balcı Ö., Attar A., Bolat B., Köten H.

10th International Conference on Hydrogen Production (ICH2P-2019), Cluj-Napoca, Romania, 15 - 17 May 2019, pp.1-2

- V. **Microbial fuel cell micro hybrid, PEM fuel cell hybrid and gasoline engine propulsion systems compared to fuel consumption and emission of a vehicle in a driving cycle**  
Attar A., Balcı Ö., Kale S., Karagöz Y.  
10th International Conference on Hydrogen Production (ICH2P-2019), Cluj-Napoca, Romania, 15 - 17 May 2019, pp.1-2
- VI. **Haloarcula Hispanica'nın Lipolitik Aktivitesinin İncelenmes**  
YÜCEL S., ATTAR A., ATLANEL S.  
8. Ulusal Kimya Öğrenci Kongresi (UKOK 2017), İstanbul, Turkey, 16 May 2017
- VII. **Aspergillus Niger'den Lipaz Üretimi ve Enzim Aktivitesinin Tayini**  
YÜCEL S., ATTAR A., EREN B., YILMAZ Ç.  
8. Ulusal Kimya Öğrenci Kongresi (UKOK 2017), İstanbul, Turkey, 16 May 2017
- VIII. **Fungal lipase utilization in recycled paper production**  
ATTAR A.  
Istanbul International Conference on Progres in Applied Science 2017, İstanbul, Turkey, 04 January 2017, pp.48-52
- IX. **Production of Plant Nutrients and Energy in Microbial Fuel Cell**  
ATTAR A., İŞILDAK İ.  
ISTANBUL INTERNATIONAL CONFERENCE ON PROGRESS IN APPLIED SCIENCE 2017, İstanbul, Turkey, 4 - 06 January 2017, vol.1, pp.221-225
- X. **Archaeosomes made up of archaic bacterial lipids**  
ATTAR A.  
EuroFed Lipid 2016, Ghent, Belgium, 20 October 2016, pp.1
- XI. **Effect of Oil Types and Fatty Acids as Carbon Source on Growth of Extremophilic Archaea for Lipase Production**  
Yücel S., Attar A., Elalmış Y.  
14th Euro Fed Lipid Congress Fats, Oils and Lipids, Ghent, Belgium, 18 September 2016, pp.263
- XII. **Development and formulation of new solid bio fertilizer macrocapsules**  
ERCİ F., TORLAK E., ERCİ V., ATTAR A., İŞILDAK İ.  
2nd International Conference on Pure & Applied Science, 1 - 05 June 2016
- XIII. **Lipase Enzyme Production from Halophilic Microorganisms**  
Yıldırım G., Temel T. M., Elalmış Y., Yücel S., Attar A.  
13th Euro Fed Lipid Congress, Florence, Italy, 27 - 30 September 2015, pp.63
- XIV. **Membrane Lipids in Archaic Microorganisms**  
ATTAR A., Yücel S.  
13th Euro Fed Lipid Congress, 01 September 2015, pp.307
- XV. **Lipase Enzyme Production from Halophilic Microorganisms**  
Temel M., Elalmış Y., Yücel S., ATTAR A.  
13th Euro Fed Lipid Congress, 01 September 2015
- XVI. **LL-37 Antimikrobiyal Peptidinin Lipozomlara Yüklenmesi Ve Salınımının İncelenmesi**  
ATTAR A., Yüce Dursun B., Demir S., Ogan A.  
27. Ulusal Kimya Kongresi, KİMYA 2015, 01 August 2015
- XVII. **Release Studies of Rifampicin from Extremely Halophilic Archaeon Haloarcula 2TK2**  
ATTAR A., Ogan A., Demir S., Uğurlu S., Çakmakçı E., Daniş Ö., Birbir M.  
MolChem2014, 01 December 2014
- XVIII. **A novel pH detector for the determination of anions in suppressed ion chromatography**  
ERCİ F., NIĞDE M., YILDIRIM R., ATTAR A., AĞIR İ., Tavukçuoğlu Ö., İŞILDAK İ.  
Bioeng'14 International Bioengineering Conference, 30 November - 02 December 2014
- XIX. **A novel pH detector for the determination of anions in suppressed ion chromatography**

- Niğde M., Yıldırım R., ATTAR A., Ağır İ., Tavukçuoğlu Ö., Işıldak İ.  
BIO ENG'14, 01 November 2014, vol.1, pp.341
- XX. **Microorganisms as biofertilizer**  
ATTAR A., Özer T., Işıldak İ.  
BIO ENG'14, 01 November 2014, vol.1, pp.337
- XXI. **Mikroorganizma içeren tablet biyogübre**  
Özçimen D., Jahan I., ATTAR A.  
Yıldızlı Patentler Temiz Çevre Teknolojileri Proje Pazarı, 01 October 2014, pp.73
- XXII. **Preparation of Silver Loaded Zeolite NaA from Wheat Husk Silica as An Antibacterial Agent**  
Terzioğlu P., ATTAR A., Gürlek S.  
20th International Symposium on Biomedical Science and Technology (BIOMED 2014), 01 August 2014
- XXIII. **A Novel Micro-Sized Lithium-Selective Sensor with Quite Improved Selectivity and Its Direct Use in Biological Samples.**  
ALTIKATOĞLU YAPAÖZ M., ATTAR A., NİĞDE M., AĞIR İ., IŞILDAK İ.  
International Symposium on Sustainable Development ISSD 2014, 8 - 11 May 2014
- XXIV. **A Novel Composite Membrane Phosphate-Selective Sensor and Application for Phosphate Detection in Different Soil Extractants**  
Tavukçuoğlu Ö., Özer T., ATTAR A., Işıldak İ.  
International Symposium on Sustainable Development ISSD 2014, 01 May 2014
- XXV. **Tarımsal Uygulamalar için Süperadsorban Biyouyumlu Hidrojel**  
Topuzoğulları M., Erci V., Özer T., Niğde M., Üner D., ATTAR A.  
İlk İşim Girişim Endüstriyel Rekabetçilik Proje Pazarı, 01 May 2014
- XXVI. **Süperabsorban Polimerik Jeller**  
Cemek M., Topuzoğulları M., ATTAR A., Yıldırım R.  
I. Patent Atelyesi ve İmalat Teknolojileri Proje Pazarı, 01 December 2013, pp.131
- XXVII. **Development of a Potassium Selective Sensor for Hydroponic Nutrient Solution Monitoring**  
YILDIRIM R., AĞIR İ., ALTIKATOĞLU YAPAÖZ M., ATTAR A., ERCİ V., IŞILDAK İ.  
10th International Electrochemistry Meeting in Turkey, 4 - 08 September 2013, pp.162
- XXVIII. **Development of the Real-Time pH Measurement System for Hydroponic Nutrient Solutions Using Wireless Technology**  
Ağır İ., Yıldırım R., Vardar G., Özer T., Erkal S. D., ATTAR A., Altıkatoğlu M.  
10th International Electrochemistry Meeting, 01 September 2013, pp.163
- XXIX. **Development of a Potassium-Selective Sensor for Hydroponic Nutrient Solution Monitoring**  
Ağır İ., Altıkatoğlu M., ATTAR A., Erci V., Işıldak İ.  
10th International Electrochemistry Meeting, 01 September 2013, pp.162
- XXX. **The Investigation of Antibacterial Effects of Various 4-Aryl Substituted Coumarin Derivatives**  
Danış Ö., Yüce Dursun B., ATTAR A.  
38th FEBS Congress, 01 July 2013, vol.280, pp.360
- XXXI. **Yenilenebilir Biyoenerji: Biyokütle**  
ATTAR A., Vardar G., Erkal S. D., Işıldak İ.  
3. Ar-Ge Proje Pazarı Enerji Teknolojileri, 01 May 2013
- XXXII. **Topraksız Domates Yetiştirme Ortamları**  
Işıldak İ., ATTAR A.  
II. AR-GE Proje Pazarı, 01 May 2012, vol.1, pp.111
- XXXIII. **Mikrobiyal Gübre Üretimi**  
ATTAR A.  
II. AR-GE Proje Pazarı, 01 May 2012, vol.1, pp.38
- XXXIV. **Tuz Gölünden Yüksek Tuz Konsantrasyonlarına Dayanıklı Enzimler**  
ATTAR A., Elalmış Y., Erdağı N.  
II. AR-GE Proje Pazarı, 01 May 2012, vol.1, pp.145
- XXXV. **Production of Alpha-Amylase from Archaeal Source**

ATTAR A., Ejder G., Yücel S.

Journees Internationales de Biologie (JIB) 56th International Congress and Exhibition of Biology, 01 November 2011, vol.56, pp.62

**XXXVI. Characterization of Archaeosomes Prepared from Haloarcula hispanica**

ATTAR A., Yücel S., Turan K.

16th International Biomedical Science & Technology Symposium (BIOMED 2010), 01 October 2010

**XXXVII. An investigation on archaeosomes as DNA carrier into the mammalian cells**

ATTAR A., Turan K., Ogan A., Birbir M., Kuzu H.

3rd International Meeting on Pharmacy and Pharmaceutical Sciences (IMPPC-3), 01 June 2010, vol.3

**XXXVIII. Degradation of Pitch Components in Recycled Chipboard Production by Fungal Lipase**

ATTAR A., Bermek H., Tamerler C.

10th Netherlands Biotechnology Congress, 01 March 2004

## Supported Projects

ATTAR A., Fazlıoğlu M. E., Er M. G., DANIŞ Ö., Project Supported by Higher Education Institutions, Evsel Besin Atıklarından Bakteriyel Polihidroksialkanoat Üretimi, 2023 - 2024

ATTAR A., Sazak C., ALTIKATOĞLU YAPAÖZ M., Project Supported by Higher Education Institutions, Misk çiçeği ve Akçaağaç ekstraktları kullanılarak bakır oksit nanopartiküllerinin sentezi karakterizasyonu antibakteriyel ve antifungal özelliklerinin incelenmesi, 2022 - 2023

ALTIKATOĞLU YAPAÖZ M., Bulut Kocabaş B., Sazak C., Işıksel E., ATTAR A., Project Supported by Higher Education Institutions, Yeni nesil bimetal yüklü nanokompozitlerin hazırlanması ve antibakteriyel-antifungal etkinliklerinin incelenmesi, 2021 - 2023

ATTAR A., DANIŞ Ö., Project Supported by Higher Education Institutions, Geri kazanımlı karbon kaynaklarından bakteriyel biyoplastik üretimi, 2019 - 2021

ATTAR A., Project Supported by Higher Education Institutions, KONTROLLÜ SALIM YAPAN MİKROBİYAL BİYOGÜBRE, 2016 - 2018

ALTIKATOĞLU YAPAÖZ M., ATTAR A., VARDAR G., ÖZTOLAN Ö., Project Supported by Higher Education Institutions, Üreaz-Dekstran Konjugat ve Komplekslerinin Hazırlanması ve İncelenmesi, 2016 - 2018

Attar A., Erci F., Işıldak İ., Industrial Thesis Project, Tablet Biyogübre (Mikrobiyal Gübre) Gelistirilmesi ve Üretimi, 2015 - 2016

Işıldak İ., Yıldırım R., Attar A., Özer T., Project Supported by Higher Education Institutions, Mikrobiyal Yakıt Pili Üretimi ve Zamanlı Bitki Besin Elementleri ve Elektrik Enerjisi Üretimi, 2013 - 2015

CEMEK M., ATTAR A., Project Supported by Higher Education Institutions, Türkiye'de İlk Defa Hidroponik Sistem İle Biyosensörler Kullanılarak Lale Üretimi, 2011 - 2013

İŞILDAK İ., ATTAR A., Project Supported by Higher Education Institutions, Biyoteknolojik Sera, 2011 - 2013

YÜCEL S., ELALMIŞ Y., ATTAR A., Project Supported by Higher Education Institutions, Arkeal Kaynaklı  $\alpha$ -Amilaz ve Selüloz Enzimlerinin Üretimi ve Enzim Aktivitelerinin Belirlenmesi, 2011 - 2013

Yücel S., Elalmış Y., Attar A., Project Supported by Higher Education Institutions, Arkeal Kaynaklı  $\alpha$ -Amilaz ve Selüloz Enzimlerinin Üretimi ve Enzim Aktivitelerinin Belirlenmesi, 2011 - 2013

ALTIKATOĞLU YAPAÖZ M., ATTAR A., Project Supported by Higher Education Institutions, Doğal Atıklar ve Malzemeler Kullanılarak Yeni Tıp Bitki Besin Ortamlarının Hazırlanması ve Optimizasyonu, 2011 - 2013

ATTAR A., Project Supported by Higher Education Institutions, Azotun Mikroorganizmalarla Üretilmesi ve Bitki Üretiminde Kullanılması, 2011 - 2013

## Peer Reviews in Scientific Publications

Sensor Review, SCI Journal, October 2014

## **Metrics**

Publication: 76

Citation (WoS): 151

Citation (Scopus): 338

H-Index (WoS): 6

H-Index (Scopus): 10