

## Prof. HİKMET KATIRCIOĞLU

### Personal Information

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Address: Gazi Üniversitesi Eğitim Fak. Mat. ve Fen Bil. Eğt. Böl., Biyoloji Eğt. A.B.D. , 06500 Teknikokullar- ANKARA

### International Researcher IDs

ORCID: 0000-0002-4866-6106

Publons / Web Of Science ResearcherID: AHE-2104-2022

ScopusID: 9634595100

Yoksis Researcher ID: 131803

### Biography

## CURRICULUM VITAE

### Hikmet KATIRCIOĞLU

#### PERSONAL DATA

First Name and Surname : Hikmet KATIRCIOĞLU

Birthplace : Manisa/Kula-TURKEY

Phone : +90 3122021654

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E-mail : [hturk@gazi.edu.tr](mailto:hturk@gazi.edu.tr)

Work address : Gazi University , Faculty of Education,  
Department of Biology Education,  
Teknikokullar-ANKARA, TURKEY

## ACADEMIC DEGREES

<b>Degree</b>		<b>Dates</b>	<b>Universities</b>
<b>B.Sc.</b>	(Biologist)	1993	<b>Hacettepe University</b>
<b>M.Sc.</b>	(Microbiology-Biotechnology)	1995	<b>Gazi University</b>
<b>Ph.D.</b>			<b>Gazi University</b>
	(Microbiology-Biotechnology)	2001	
<b>Assoc.Prof.</b>	(Industrial Microbiology-Biotechnology)		<b>Gazi University</b>
		2012-2018	
	(Industrial Microbiology-Biotechnology)		
<b>Prof. Dr.</b>		2018	<b>Gazi University</b>

## LANGUAGES

Language skills (mark on a scale from 1 = basic to 5 = fluent)

	<b>Reading</b>	<b>Writing</b>	<b>Listening</b>	<b>Speaking</b>
<b>English</b>	4	4	4	4

### CAREER - EMPLOYMENT RECORD

#### Date

1993- .....

#### Positions, Employers

2005-.....

**Research and Lecturer Gazi University**

Ministry of Agriculture and Forestry Committee Membership

### MAIN SPECIALIZATION

#### Field

## Microbiology

### Food Microbiology

- 1 Biologic process
- 2 Antimicrobial agents
- 3 Phytotherapeutic agents
- 4
- 5 Biofertilizer-Plant Nutrition
- 6
- 7 Sustainable and Organic farming
- 8 Microalgae and Cyanobacteria, Microalgae Biotechnology
- 9 Waste management and Biological treatment
- 10 Alternative Energies- Biogas systems
- 11 Plant Protection
- 12 Food Protection
- 13 Biology Education

## CURRENT RESEARCH INTERESTS

### Field

- 1 Biologic Humic Production

- 2 Bioremediation and biological removal
- 3 Biofertilizer
- 4 Waste management and fertigation
- 5 Organic production of local food productions
- 6 Antimicrobial and phytotherapeutic agents

## Membership in professional societies

- 1- Society of Biologists
- 2- Society of Biotechnology
- 3- EFB (European Federation of Biotechnology) Members
- 4- ISEMMM (International Society of Environmental Micropalaeontology, Microbiology and Meiobenthology) Members

## Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Biyoloji Eğitimi (Dr), Turkey 1996 - 2001

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Biyoloji Eğitimi (YI) (Tezli), Turkey 1992 - 1996

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, Turkey 1988 - 1992

## Foreign Languages

English, B2 Upper Intermediate

## Certificates, Courses and Trainings

Vocational Training, Applied course on production and monitoring of microalgal growth, EBİLTEM, 2004

Vocational Training, Küreselleşme Sürecinde Biyoteknoloji ve Biyogüvenlik Sempozyumu, Türkiye Bilimsel ve Teknolojik Araştırma Kurumu, 2000

Other, International Workshop and Training Course on "Microalgal Biology and Biotechnology" Pannon Agricultural University, Pannon University, Nato bursu, 1999

## Dissertations

Doctorate, Gökkuşığı alabalığı (*onchorynchus mykiss richardson*, 1846) ve aynalı sazandan (*cyprinus carpio linnaeus*, 1758) izole edilen laktik asit bakterilerinin metabolik ve antimikrobiyal aktivitelerinin incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Biyoloji Eğitimi (Dr), 2001

Postgraduate, Tek hücre proteini eldesi ve bunun drosophila gelişimine etkisi, Gazi University, Fen Bilimleri Enstitüsü, Biyoloji Eğitimi (YI) (Tezli), 1995

## Research Areas

Agricultural Sciences, Health Sciences, Natural Sciences

## Academic Titles / Tasks

Professor, Gazi University, Gazi Eğitim Fakültesi, 2018 - Continues

Associate Professor, Gazi University, Gazi Eğitim Fakültesi, 2016 - Continues

Associate Professor, Gazi University, Gazi Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2012 - Continues

Associate Professor, Gazi University, Yaşam Bilimleri Uygulama Ve Araştırma Merkezi, 2014 - 2016

Assistant Professor, Gazi University, Gazi Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2005 - 2012

Research Assistant, Gazi University, Gazi Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 1993 - 2005

## Academic and Administrative Experience

Head of Department, Gazi University, Araştırma ve Uygulama Merkezleri, Yaşam Bilimleri Uygulama ve Araştırma Merkezi, 2020 - Continues

Deputy Head of Department, Gazi University, Gazi Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2015 - 2019

Enstitü Yönetim Kurulu Üyesi, Gazi University, Eğitim Bilimleri Enstitüsü, Eğitim Bilimleri Enstitüsü, 2014 - 2016

## Courses

MİKROALGAL BİYOTEKNOLOJİ, Undergraduate, 2017 - 2018, 2016 - 2017

MİKROBİYAL ÇEŞİTLİLİK VE MİKROBİYAL EKOLOJİ, Postgraduate, 2017 - 2018

ENDÜSTRİYEL MİKROBİYOLOJİ, Undergraduate, 2017 - 2018, 2016 - 2017

MİKROBİYOLOJİ LAB., Undergraduate, 2017 - 2018, 2016 - 2017

MİKROBİYOLOKİ, Undergraduate, 2017 - 2018, 2016 - 2017

MİKROBİYAL ÇEŞİTLİLİK VE MİKROBİYAL EKOLOJİ, Undergraduate, 2017 - 2018, 2016 - 2017

## Advising Theses

KATIRCIOĞLU H., Toprak izolatu *Bacillus* sp. türlerinde siderofor optimizasyonu, Postgraduate, S.KÖRÇOBAN(Student), 2020

Katircioğlu H., RISK ASSESSMENT OF BIOLOGICAL RISKS AND EVALUATION OF AWARENESS LEVELS IN SCHOOL LABORATORIES, Postgraduate, N.AKBULUT(Student), 2019

KATIRCIOĞLU H., The Effect Of Science And Mathematics In Secondary Education On Stem Education: Anadolu High School And M.T.A.L, Postgraduate, M.TUNCAR(Student), 2019

KATIRCIOĞLU H., The impact of biology teaching based upon multiple intelligence theory on academic achievement: A meta analysis study, Postgraduate, H.ÇETİNKİL(Student), 2017

KATIRCIOĞLU H., Bitkisel kaynaklı doğal ürünlerin anti-biyofouling potansiyelleri yönünden değerlendirilmesi: Diş plağı örneği, Postgraduate, T.DEMİRHAN(Student), 2016

KATIRCIOĞLU H., Siyanobakter ve bazı alg türlerinin biyoaktif bileşikler yönünden incelenmeleri, Doctorate, M.POURHASSAN(Student), 2016

KATIRCIOĞLU H., The Relationship of Pre-Service Biology Teachers' Attitudes Towards Biotechnology Practices and Their Scientific Epistemological Beliefs, Postgraduate, E.ÇAMUR(Student), 2016

KATIRCIOĞLU H., Farklı ortam koşullarında bacillus thuringiensis RSKK 381'in üreme ve biyoplastik (PHB) üretiminin araştırılması, Postgraduate, E.DUT(Student), 2015

KATIRCIOĞLU H., Use of the scientific stories effect on the attitude of the students in biology education, Postgraduate, R.KUŞ(Student), 2014

KATIRCIOĞLU H., The effect of the project-based learning approach in biology education on secondary school students' metacognitive awareness and critical thinking tendencies, Doctorate, R.ERSOY(Student), 2013

## Jury Memberships

Associate Professor Exam, Associate Professor Exam, İstanbul Üniversitesi, November, 2022

Committee Of Expert, Committee Of Expert, Gazi University, January, 2022

Committee Of Expert, Committee Of Expert, Gazi Üniversitesi, September, 2021

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

- I. **The effect of novel biotechnological vermicompost on tea yield, plant nutrient content, antioxidants, amino acids, and organic acids as an alternative to chemical fertilizers for sustainability**  
KOCAMAN A., Inci Y., Kitir N., TURAN M., Argin S., YILDIRIM E., Giray G., ERSOY N., GÜNEŞ A., KATIRCIOĞLU H., et al.  
BMC PLANT BIOLOGY, vol.24, no.1, 2024 (SCI-Expanded)
- II. **Development of organic phosphorus vermicompost from raw phosphate rock using microorganisms and enzymes and its effect on tomato yield**  
Turan M., Kocaman A., Tüfenkçi Ş., KATIRCIOĞLU H., GÜNEŞ A., Kitir N., Giray G., Gürkan B., ERSOY N., YILDIRIM E.  
Scientia Horticulturae, vol.321, 2023 (SCI-Expanded)
- III. **Development of plant-friendly vermicompost using novel biotechnological methods**  
Kocaman A., Turan M., Tüfenkçi Ş., KATIRCIOĞLU H., GÜNEŞ A., Kitir N., Giray G., Gürkan B., ERSOY N., YILDIRIM E.  
Journal of Material Cycles and Waste Management, vol.25, no.5, pp.2925-2936, 2023 (SCI-Expanded)
- IV. **Biological Activities and Biocompatibility Properties of Eu(OH)(3) and Tb(OH)(3) Nanorods: Evaluation for Wound Healing Applications**  
Avar E., Turkmen K. E., ERDAL E., LOĞOĞLU E., KATIRCIOĞLU H.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.201, no.4, pp.2058-2070, 2023 (SCI-Expanded)
- V. **Effect of the Juglans Regia (Walnut) leaf extract concentration on the biosynthesis of ZnO nanoparticles: Characterisation and antimicrobial activity**  
Çinar Avar E., Erkan Türkmen K., Loğoğlu E., Katircioğlu H.  
MATERIALS TECHNOLOGY, vol.37, no.12, pp.1-12, 2022 (SCI-Expanded)
- VI. **Assessment of antimicrobial, antibiofilm, and cytotoxic activities, and characterization of phenolic compounds of Origanum haussknechtii**  
Ayaz F., KÖNGÜL ŞAFAK E., Erkan Turkmen K., ŞEKER KARATOPRAK G., KATIRCIOĞLU H., KÜÇÜKBOYACI N.  
JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, vol.15, no.5, pp.4267-4276, 2021 (SCI-Expanded)
- VII. **Evaluation of anti-biofouling potential of Viburnum opulus extracts**  
Demirhan T., Celik G. Y., KATIRCIOĞLU H., ONBAŞLI D.  
BOLETIN LATINOAMERICANO Y DEL CARIBE DE PLANTAS MEDICINALES Y AROMATICAS, vol.19, no.3, pp.321-333, 2020 (SCI-Expanded)
- VIII. **Evaluation of phytotherapeutic activities and phytochemical content of Phormidium autumnale**

**Gomont from natural freshwater sources**

Yalcin D., KATIRCIOĞLU H., ÖZER T., Shamchi M. P., ERKAYA İ. A.

ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.192, no.4, 2020 (SCI-Expanded)

- IX. **Chromium (VI) Biosorption from Aqueous Solutions by Free and Immobilized Biomass of Oscillatoria sp H1 Isolated from Freshwater**  
KATIRCIOĞLU H., ASLIM B., Tunceli A.  
ISIJ INTERNATIONAL, vol.52, no.7, pp.1173-1178, 2012 (SCI-Expanded)
- X. **Cromium VI biosorption from aqueous solutions by free and immobilized biomass of Oscillatoria sp H1 isolated from freshwater**  
KATIRCIOĞLU H., Aslim B., Adalet T.  
Isij International, vol.52, no.7, pp.1173-1178, 2012 (SCI-Expanded)
- XI. **Investigation of water quality on Gokcekaya dam lake using multivariate statistical analysis, in EskiAYehir, Turkey**  
AKIN B., Atici T., Katircioglu H., Keskin F.  
ENVIRONMENTAL EARTH SCIENCES, vol.63, no.6, pp.1251-1261, 2011 (SCI-Expanded)
- XII. **Investigation of water quality on Gökçekaya dam lake using multivariate statistical analysis in Eskişehir Turkey**  
AKIN B., ATICI T., KATIRCIOĞLU H., Fersin K.  
Environmental Earth Sciences, vol.63, pp.1251-1261, 2011 (SCI-Expanded)
- XIII. **Synthesis and biological activity studies of furan derivatives**  
Logoglu E., YILMAZ M., KATIRCIOĞLU H., Yakut M., Mercan S.  
MEDICINAL CHEMISTRY RESEARCH, vol.19, no.5, pp.490-497, 2010 (SCI-Expanded)
- XIV. **Removal of Remazol Brilliant Blue R dye from aqueous solutions by adsorption onto immobilized Scenedesmus quadricauda: Equilibrium and kinetic modeling studies**  
ERGENE A., Ada K., Tan S., KATIRCIOĞLU H.  
DESALINATION, vol.249, no.3, pp.1308-1314, 2009 (SCI-Expanded)
- XV. **Administration of Chlorella sp microalgae reduces endotoxemia, intestinal oxidative stress and bacterial translocation in experimental biliary obstruction**  
BEDİRLİ A., KEREM M., Ofluoglu E., Salman B., KATIRCIOĞLU H., BEDİRLİ N., Yilmazer D., Alper M., PAŞAOĞLU H.  
CLINICAL NUTRITION, vol.28, no.6, pp.674-678, 2009 (SCI-Expanded)
- XVI. **Antimicrobial effect of natural dyes on some pathogenic bacteria**  
Calis A., Celik G. Y., KATIRCIOĞLU H.  
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.8, no.2, pp.291-293, 2009 (SCI-Expanded)
- XVII. **Effects of microalgae chlorella species crude extracts on intestinal adaptation in experimental short bowel syndrome**  
KEREM M., Salman B., PAŞAOĞLU H., BEDİRLİ A., Alper M., KATIRCIOĞLU H., ATICI T., PERÇİN F. E., Ofluoglu E.  
WORLD JOURNAL OF GASTROENTEROLOGY, vol.14, no.28, pp.4512-4517, 2008 (SCI-Expanded)
- XVIII. **Removal of cadmium(II) ion from aqueous system by dry biomass, immobilized live and heat-inactivated Oscillatoria sp H1 isolated from freshwater (Mogan Lake)**  
KATIRCIOĞLU H., ASLIM B., Turker A. R., ATICI T., Beyath Y.  
BIORESOURTE TECHNOLOGY, vol.99, no.10, pp.4185-4191, 2008 (SCI-Expanded)
- XIX. **Effects of Cholerella sp microalgae extract on colonic anastomosis in rats with protein-energy malnutrition**  
Salman B., Kerem M., Bedirli A., Katircioglu H., Ofluoglu E., Akin O., Onbasilar I., Ozsoy S., Hazirolu R.  
COLORECTAL DISEASE, vol.10, no.5, pp.469-478, 2008 (SCI-Expanded)
- XX. **Use of psyllium (isubgol) husk as an alternative gelling agent for the culture of prokaryotic microalgae (Cyanobacteria) Chroococcus limneticus Lemmermann and eukaryotic green microalgae (Chlorophyta) Scenedesmus quadricauda (Turpin) Brebisson**  
ATICI T., KHAWAR K. M., ÖZEL Ç. A., KATIRCIOĞLU H., Ates M. A.  
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.7, no.8, pp.1163-1167, 2008 (SCI-Expanded)
- XXI. **Physicochemical, toxicological and ecological analysis of Gokcekaya Dam Lake**



- AKIN B., Atici T., Katircioglu H.  
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.7, no.4, pp.444-449, 2008 (SCI-Expanded)
- XXII. **Sensitivity of freshwater microalgal strains *Chlorella vulgaris* Beijerinck and *Scenedesmus obliquus* Turpin Kützing to heavy metals**  
ATICI T., KATIRCIOĞLU H., AKIN B.  
Fresenius Environmental Bulletin,, vol.17, no.3, pp.268-274, 2008 (SCI-Expanded)
- XXIII. **Kinetic and Equilibrium Studies on the Biosorption of Cl Reactive Orange 16 Dye by Immobilized *Scenedesmus quadricauda***  
TAN S., ERGENE A., KEZBAN A., KATIRCIOĞLU H.  
Asian Journal Of Chemistry, vol.20, no.5, pp.4059-4070, 2008 (SCI-Expanded)
- XXIV. **Sensitivity of freshwater microalgal strains (*Chlorella vulgaris* Beijerinck and *Scenedesmus obliquus* (Turpin) Kutzing) to heavy metals**  
ATICI T., KATIRCIOĞLU H., AKIN B.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.17, no.3, pp.268-274, 2008 (SCI-Expanded)
- XXV. **Removal of Cadmium II Ion from Aqueous System by Dried Biomass Immobilized Lived and Inactivated *Oscillatoria* sp Isolated from Freshwater Mogan Lake**  
Katircioğlu H., Aslım B., Türker A. R., Atıcı T., Beyathı Y.  
Bioresource Technology, vol.99, pp.4185-4191, 2008 (SCI-Expanded)
- XXVI. **Use of psyllium isubgol husk as an alternative gelling agent for the culture of prokaryotic mikroalgae *Cyanobacteria C limneticus* Lemmermann and eukaryotic green microalgae *S quadricauda* Turpin**  
ATICI T., KHALİD MAHMOOD K., ÖZEL Ç. A., KATIRCIOĞLU H., ATEŞ M. A.  
African Journal Of Biotechnology, vol.7, no.8, pp.1163-1167, 2008 (SCI-Expanded)
- XXVII. **Synthesis of 2,4-dihalogenofluorobenzenes and their antimicrobial and antifungal activity studies**  
KATIRCIOĞLU H., Logoglu E., TILKI T., Oktemer A.  
MEDICINAL CHEMISTRY RESEARCH, vol.16, no.5, pp.205-212, 2007 (SCI-Expanded)
- XXVIII. **Antibacterial potential of the capitula of eight anatolian *Helichrysum* species**  
ASLAN M., KATIRCIOĞLU H., ERDOĞAN ORHAN İ., ATICI T., SEZİK E.  
Turkish Journal of Pharmaceutical Sciences, vol.4, no.2, pp.71-77, 2007 (SCI-Expanded)
- XXIX. **Synthesis, characterization and antimicrobial activity of new aliphatic sulfonamide**  
Ozbek N., Katircioglu H., Karacan N., Baykal T.  
BIOORGANIC & MEDICINAL CHEMISTRY, vol.15, no.15, pp.5105-5109, 2007 (SCI-Expanded)
- XXX. **Synthesis and biological activity studies of di- and mono-halogenofluoro benzenes**  
Logoglu E., Katircioglu H., Tilki T., Oktemer A.  
ASIAN JOURNAL OF CHEMISTRY, vol.19, no.3, pp.2029-2035, 2007 (SCI-Expanded)
- XXXI. **Antimicrobial activity and pollen composition of honey samples collected from different provinces in Turkey**  
Mercan N., Guvensenz A., Celik A., Katircioglu H.  
NATURAL PRODUCT RESEARCH, vol.21, no.3, pp.187-195, 2007 (SCI-Expanded)
- XXXII. **Synthesis characterization and antimicrobial activity of new aliphatic sulfonamide**  
ÖZBEK N., KATIRCIOĞLU H., KARACAN N., TÜLAY B.  
Bioorganic and Medicinal Chemistry,, vol.15, no.15, pp.5105-5109, 2007 (SCI-Expanded)
- XXXIII. **Antimicrobial activity and polen composition of honey samples collected from different provinces in Turkey**  
MERCAN DOĞAN N., GÜVENSEN A., ÇELİK A., KATIRCIOĞLU H.  
Natural Product Research, vol.21, no.3, pp.187-195, 2007 (SCI-Expanded)
- XXXIV. **Synthesis and biological activity studies of mono a nd di halogenofluoro benzenes**  
LOĞOĞLU E., KATIRCIOĞLU H., TILKI T., ATILLA Ö.  
Asian Journal Of Chemistry, vol.19, no.3, pp.2029-2035, 2007 (SCI-Expanded)
- XXXV. **Synthesis Antimicrobial and Antifungal Activity Studies of 2 4 Dialogenofluoro Benzenes**  
KATIRCIOĞLU H., LOĞOĞLU E., TILKI T., ATILLA Ö.

- Medicinal Chemistry Research, vol.16, no.5, pp.205-212, 2007 (SCI-Expanded)
- XXXVI. **Antimicrobial activity and chemical compositions of Turkish propolis from different regions**  
Katircioglu H., Mercan N.  
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.5, no.11, pp.1151-1153, 2006 (SCI-Expanded)
- XXXVII. **Biosorption of copper(II) on immobilised *Synechocystis aquatilis***  
Ergene A., Tan S., Katircioglu H., Oktem Z.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.15, no.4, pp.283-288, 2006 (SCI-Expanded)
- XXXVIII. **Chemical composition effects onto antimicrobial and antioxidant activities of propolis collected from different regions of Turkey**  
Mercan N., Kivrak I., Duru M. E., Katircioglu H., Gulcan S., Malci S., Acar G., Salih B.  
ANNALS OF MICROBIOLOGY, vol.56, no.4, pp.373-378, 2006 (SCI-Expanded)
- XXXIX. **Biosorption of copper II on immobilised *S. aquatilis***  
ERGENE A., TAN S., KATIRCIOĞLU H., ÖKTEM Z.  
Fresenius Environmental Bulletin,, vol.15, no.4, pp.283-288, 2006 (SCI-Expanded)
- XL. **Metabolic activity of lactic acid bacteria isolated from rainbow trout and mirror carp**  
Katircioglu H., Beyatli Y.  
INDIAN VETERINARY JOURNAL, vol.82, no.11, pp.1135-1137, 2005 (SCI-Expanded)
- XLI. **Water quality and impacts of pollution sources for Eymir and Mogan Lakes (Turkey)**  
Karakoc G., Erkoc F., Katircioglu H.  
ENVIRONMENT INTERNATIONAL, vol.29, no.1, pp.21-27, 2003 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Kağıt Eserlerin Konservasyonunda Alternatif Biyosidallerin Rolü ve Etkinliklerinin Değerlendirilmesi**  
Katircioğlu H.  
Library Archive and Museum Research Journal, vol.5, no.1, pp.61-76, 2024 (Peer-Reviewed Journal)
- II. **Coğrafi Bilgi sistemleri (CBS) ortamında analitik hiyerarşi prosesiyle (AHP) organik gübre üretim tesisi uygunluk analizi: Tekirdağ ili örneği**  
Gürkan B., Ödeker B., KATIRCIOĞLU H.  
Journal of Tekirdag Agricultural Faculty, vol.18, no.4, pp.718-727, 2021 (Scopus)
- III. **Performansın Deney Özyeterliliğindeki Rolü: Nitel bir çalışma**  
YILMAZ M., TAFLI T., Takmaz S., KATIRCIOĞLU H.  
Asian Journal of Instruction, vol.9, no.2, pp.1-18, 2021 (Peer-Reviewed Journal)
- IV. **Preservice Biology Teachers' Knowledge and Usage Level Regarding Lab Equipment and Materials**  
GÖKMEN A., GÜRKAN B., KATIRCIOĞLU H.  
Journal of Education and Learning (EduLearn), vol.15, no.3, pp.397-405, 2021 (Peer-Reviewed Journal)
- V. **Determination of Biological Properties of *Chlorella vulgaris* C1 Extracts**  
KATIRCIOĞLU H., POURHASSAN SHAMCHI M., ÇEKER S., ÇAPIK Ö., AĞAR G.  
Eastern Anatolian Journal of Science, vol.6, no.2, pp.15-21, 2020 (Peer-Reviewed Journal)
- VI. **Callus induction and antibacterial activity of various explants of *Indigoferazollingeriana***  
Maesaroh S., Özel Ç. A., Katircioğlu H., Şahin Demirbağ N.  
International Journal of Agriculture, Environment and Food Sciences, vol.4, no.4, pp.450-457, 2020 (Peer-Reviewed Journal)
- VII. **Koruma Bakış Açısıyla El Yazmalarında Görülen Biyodeterasyon**  
Koca Yılmaz A. S., AKYOL A. A., KATIRCIOĞLU H.  
Akademik Sanat Dergisi, vol.5, no.11, pp.1-17, 2020 (Peer-Reviewed Journal)
- VIII. **İlaça Dirençli Mikroorganizmalara Karşı Yeni Bir Yaklaşım: Geleceğin Antibiyotikleri, Bitkisel Antimikrobiyal Peptidler**  
ONBAŞLI D., YUVALI ÇELİK G., KATIRCIOĞLU H.  
ERÜ SAĞLIK BİLİMLERİ FAKÜLTESİ DERGİSİ, vol.7, no.1, pp.51-57, 2020 (Peer-Reviewed Journal)

- IX. **Effect of Natural Pesticide Bordeaux Mixture on the Production of Metabolite (EPS and Siderophore) in Some PGPBs**  
KATIRCIOĞLU H., ÇETİN S., KAYA D.  
International Journal of Current Microbiology and Applied Sciences, vol.8, no.1, pp.1863-1873, 2019 (Peer-Reviewed Journal)
- X. **The Effect of Pesticides used in conventional and organic farming on the microbial flora**  
Katircioğlu H., Çetin S., Kaya D., Mirici S.  
APRN Journal of Agricultural and Biological Science, vol.13, no.7, pp.68-75, 2018 (Peer-Reviewed Journal)
- XI. **Evaluation of Bacteria Abundance and Sediment-Water Quality Parameters in a Spring Originated Shallow Pond Sediment**  
PULATSÜ S., KATIRCIOĞLU H., TOPÇU A., KAYA D.  
International Journal of Current Microbiology and Applied Sciences, vol.7, no.6, pp.784-792, 2018 (Peer-Reviewed Journal)
- XII. **Adsorption of azo dyes from textile wastewater by *S. platensis***  
Al hamadi A., Uraz G., KATIRCIOĞLU H., OSMANAĞAOĞLU Ö.  
Eurasian Journal of Environmental Research, vol.1, no.1, pp.19-27, 2017 (Peer-Reviewed Journal)
- XIII. **The Impact of Biology Teaching Based Upon Multiple Intelligence Theory on Academic Achievement: A Meta-Analysis Study**  
Çetinkil H., KATIRCIOĞLU H., YALÇIN Y.  
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- XXIX. **Biology Course Regarding Animal Kingdom The Effect Of Brain Based Learning On The Students Success The Permenance Of Their Knowledge The Attitudes Towards Their Course**  
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YÜKSEKDAĞ Z., KATIRCIOĞLU H., ASLIM B., BEYATLI Y.

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KATIRCIOĞLU H., Project Supported by Higher Education Institutions, SİDEROFORJENİK BACILLUS sp.'İN TESPİTİ VE PROBİYOTİK OLARAK KULLANIM POTANSİYELİ YÖNÜNDEN DEĞERLENDİRİLMESİ, 2017 - 2020

KATIRCIOĞLU H., Industrial Thesis Project, "Ülkemizdeki Bazı Leonardit Yataklarından Alınan Cevherlerin Biyoteknolojik Yöntemler Kullanılarak Biyo-Humik Formuna Dönüştürülme ve Olarak Kullanılabilme Olanaklarının Değerlendirilmesi, 2015 - 2019

KATIRCIOĞLU H., Project Supported by Higher Education Institutions, Ziraî mücadelede kullanılan bazı pestisitlerin, toprak flora bakterileri sekonder metabolitlerinin (EPS ve siderofor) üretimine etkisi, 2015/36 Kırıkkale Üniversitesi Araştırma Fonu Projesi, 2015 - 2017

KATIRCIOĞLU H., Project Supported by Higher Education Institutions, BİTKİSEL KAYNAKLI DOĞAL ÜRÜNLERİN ANTİBİYOFÖLİNG POTANSİYELLERİ YÖNÜNDEN DEĞERLENDİRİLMESİ DİŞ PLAĞI ÖRNEĞİ, 2015 - 2016

KATIRCIOĞLU H., Project Supported by Higher Education Institutions, Alg ekstraktlarının biyoaktif bileşiklerinin antimikrobiyal ve mutajenik aktivitelerinin araştırılması, 2014 - 2015

KATIRCIOĞLU H., Project Supported by Higher Education Institutions, BİYOLOJİ ÖĞRETMEN ADAYLARININ ÖLÇME VE DEĞERLENDİRME ÖZ- YETERLİLİK ALANINDAKİ İNANCININ BELİRLENMESİ, 2012 - 2015

KATIRCIOĞLU H., Project Supported by Higher Education Institutions, BİYOLOJİ ÖĞRETMEN ADAYLARININ ÖLÇME VE DEĞERLENDİRME ÖZ YETERLİLİK ALANINDAKİ İNANCININ BELİRLENMESİ, 2012 - 2015

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## Metrics

Publication: 118

Citation (WoS): 779

Citation (Scopus): 873

H-Index (WoS): 13

H-Index (Scopus): 13

## Entrepreneurship Activities

Limited, Microfert Biyoteknoloji Ar-Ge Yazılım Tic. Ltd. Şti., 06 May 2022, Co-Founder

## Non Academic Experience



GIDA TARIM VE HAYVANCILIK BAKANLIĐI  
Georgia State University Çevre biyoteknolojisi