

## Lect. Müge Yayla Çiftçi

### Personal Information

Office Phone: [+90 +90 432 444 5065](tel:+904324445065)

Email: [mugeyayla@yyu.edu.tr](mailto:mugeyayla@yyu.edu.tr)

Web: <https://avesis.yyu.edu.tr/mugeyayla>

### International Researcher IDs

ORCID: 0000-0002-2460-2765

Yoksis Researcher ID: 315720

### Education Information

Doctorate, Van Yüzüncü Yil University, Fen Bilimler Enstitüsü, Kimya Mühendisliği, Turkey 2019 - Continues

Postgraduate, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, Turkey 2017 - 2019

Undergraduate, Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 2013 - 2017

### Dissertations

Postgraduate, Modifiye Edilmiş Yüzey Baskılı Elektrotlar İle Gıda Katkı Maddelerinin Elektrokimyasal Davranışlarının İncelenmesi, Van Yüzüncü Yil University, Fen Bilimler Enstitüsü, Kimya Mühendisliği, 2019

### Research Areas

Chemical Engineering and Technology, Biotechnology, Chemical Technologies, Electrochemical Processes, Chemical Reaction Engineering, Catalysis and Catalytic Processes, Nanomaterials, Chemistry, Engineering and Technology

### Academic Titles / Tasks

Lecturer, Van Yüzüncü Yil University, Muradiye Meslek Yüksekokulu, Kimya ve Kimyasal İşletme Teknolojileri Bölümü, 2020 - Continues

### Courses

Introduction to Philosophy, Associate Degree, 2021 - 2022

Presentation and Presentation Techniques, Associate Degree, 2021 - 2022

Technical Project, Associate Degree, 2021 - 2022

Quality Management Systems, Associate Degree, 2021 - 2022

General Chemistry Laboratory, Associate Degree, 2021 - 2022

Analytical Chemistry Laboratory, Associate Degree, 2020 - 2021

Associate Degree, 2021 - 2022

Communication, Associate Degree, 2021 - 2022

Instrumental Analysis, Associate Degree, 2020 - 2021

Instrumental Analysis I, Associate Degree, 2020 - 2021

Biochemistry II, Associate Degree, 2019 - 2020  
Effective speech and diction, Associate Degree, 2020 - 2021  
Industrial Basic Operations, Associate Degree, 2019 - 2020  
Stress and management in working life, Associate Degree, 2020 - 2021  
Leadership and motivation, Associate Degree, 2020 - 2021  
Introduction To Industrial Processes, Associate Degree, 2020 - 2021  
Water and Life, Associate Degree, 2019 - 2020  
History Of Science, Associate Degree, 2020 - 2021

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

- I. **An electrocatalyst for detection of glucose in human blood: synergy in Pd-AuNPs/GOx/C surfaces**  
Çelik Kazıcı H., Yayla M.  
CHEMICAL ENGINEERING COMMUNICATIONS, vol.206, no.12, pp.1731-1742, 2019 (SCI-Expanded)
- II. **Development of Nonenzymatic Benzoic Acid Detection on PdSn/GCE/Vulcan XC-72R Prepared via Polyol Method**  
Çelik Kazıcı H., Yayla M., Ulaş B., Aktaş N., Demir Kıvrak H.  
Electroanalysis, vol.31, pp.1118-1124, 2019 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Carbon nano tube assisted triple metal electrode and high-impact electro sensor for preservative detection in food samples**  
Yayla Çiftçi M., Çelik Kazıcı H., Demir Kıvrak H.  
MATERIALS RESEARCH INNOVATIONS, vol.7, pp.1-12, 2023 (Scopus)
- II. **Antimicrobial properties of multimetallic of silver compounds immobilized on active carbon and nano carbon tubes**  
Kazıcı H., Yönten V., Kivanç M. R., Ertas M., Salman F., Yayla M.  
Current Research in Green and Sustainable Chemistry, vol.4, 2021 (Scopus)
- III. **As a highly efficient reduced graphene oxide-supported ternary catalysts for the fast hydrogen release from NaBH<sub>4</sub>**  
Şahin Ö., Bozkurt A., Yayla M., Çelik Kazıcı H., İzgi M. S.  
Graphene Technology, pp.1-9, 2020 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Modifiye Edilmiş Yüzey Baskılı Karbon Elektrotların Ketoprofen Ayrımında Kullanılması**  
Yayla M., Yıldırım A., Çelik Kazıcı H., Demir Kıvrak H., Aktaş N.  
EurasianBioChem 2022, Ankara, Turkey, 23 - 25 November 2022, pp.1570-1575
- II. **EFFECTS OF ACTIVATED CARBON SUPPORTED Pd Ru CATALYSTS ON HYDROGEN PRODUCTION**  
Muhtasım R., Salman F., Yayla M., Çelik Kazıcı H.  
ICENTE'20, Konya, Turkey, 19 - 21 November 2020, pp.91
- III. **Carbon Derivative Supported Triple Metal Electro Sensor for Citric Acid Detection in Food Samples**  
Yayla M., Çelik Kazıcı H., Demir Kıvrak H.  
ICENTE'20, Konya, Turkey, 19 - 21 November 2020, pp.237-239
- IV. **Preparation of GO based Co-Cu-B and investigation of hydrogen production performance**  
ŞAHİN Ö., Yayla M., Çelik Kazıcı H., İZGİ M. S.  
IHTEC 2019, Antalya, Turkey, 20 - 22 June 2019, pp.6

- V. **Al<sub>2</sub>O<sub>3</sub>-supported nanoparticles for catalyzing the hydrolysis of ammonia borane**  
İZGİ M. S., BAYTAR O., Yayla M., Çelik Kazıcı H., ŞAHİN Ö.  
IHTEC 2019, Edirne, Turkey, 20 - 22 June 2019, pp.7
- VI. **Pd@Sn Vulcan nanomateriyalinin gıdalarda koruyucu madde tayininde kullanılması**  
Yayla M., Çelik Kazıcı H., Ulaş B., Demir Kıvrak H., Aktaş N.  
13 Ulusal Kimya Mühendisliği Kongresi, Van, Turkey, 3 - 06 September 2018, pp.7547
- VII. **NANOENGINEERED SURFACES FOR POTENTIAL GLUCOSE SENSOR APPLICATIONS**  
Çelik Kazıcı H., Yayla M.  
7th International Conference 3 on Advanced Technologies, Antalya, Turkey, 28 April - 01 May 2018, pp.122
- VIII. **Determination of Kinetic Parameters of Enzymatic Biosensors, Prepared for Glucose Determination**  
Çelik Kazıcı H., Yayla M.  
International Advanced Researches & Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 November 2017, pp.1
- IX. **Sensitive non-enzymatic glucose sensor based on bimetallic metals**  
Çelik Kazıcı H., Yayla M., Demir Kıvrak H.  
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017, pp.1
- X. **Method Validation of Bimetallic Nanomaterials Sensor Activities**  
Çelik Kazıcı H., Yayla M., Demir Kıvrak H.  
International Conference on Advances in Natural and Applied Sciences (ICANAS 2017), Antalya, Turkey, 18 - 21 April 2017, pp.1
- XI. **M-Pd@C core/shell nanomateriyallerin hidrojen peroksit sensör geliştirilmesinde kullanımı**  
Yayla M., Çelik Kazıcı H., Demir Kıvrak H.  
12. Ulusal Kimya Mühendisliği Kongresi, İzmir, Turkey, 23 - 26 August 2016, pp.21

## Supported Projects

Yayla M., TUBITAK Project, Synthesis, characterization and electrochemical glucose biosensor applications of Pd@Au/C nano catalysts by polyol method, 2016 - 2017

## Tasks In Event Organizations

Yayla M., International Eurasian Climate Change Congress, Scientific Congress, Van, Turkey, Ekim 2022

## Metrics

Publication: 16

Citation (WoS): 11

Citation (Scopus): 20

H-Index (WoS): 2

H-Index (Scopus): 2