

Prof. NAGİHAN GÜLSOY

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Marmara University, Faculty of Arts and Sciences, Biology, Turkey 1998 - 2003

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Marmara University, Faculty of Arts and Sciences, Biology, 2016 - Continues

Associate Professor, Marmara University, Faculty of Arts and Sciences, Biology, 2010 - Continues

Assistant Professor, Marmara University, Faculty of Arts and Sciences, Biology, 2009 - 2010

Academic and Administrative Experience

Marmara University, Faculty of Arts and Sciences, Biology, 2009 - Continues

Vice Dean, Marmara University, Faculty of Arts and Sciences, 2016 - 2019

Marmara University, Nanoteknoloji Ve Biyomalzemeler Uygulama Ve Araştırma Merkezi, 2015 - 2018

Marmara University, Faculty of Arts and Sciences, Biology, 2012 - 2017

Courses

Animal embryology, Undergraduate, 2021 - 2022

Histology, Undergraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Genotoxicity in the goldfish of TiO₂ nanoparticles combined with high CO₂ levels**
BİLGİSEVEN I., GÜLSOY N.
Mutation Research - Genetic Toxicology and Environmental Mutagenesis, vol.900, 2024 (SCI-Expanded)
- II. **Comparative genotoxic and histopathological effects of copper nanoparticles and copper chloride in goldfish (*Carassius auratus*)**
Yavaş C., GÜLSOY N.
Iranian Journal of Fisheries Sciences, vol.23, no.3, pp.485-503, 2024 (SCI-Expanded)
- III. **Effects of gallic acid on expressions of MMP-2 and MMP-9 through the pathway of p38/JNK in C6 glioma cells**
Yaka E. B., Yazici Z. M. C., Ersoz M., GÜLSOY N.
PAKISTAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.36, no.1, pp.59-66, 2023 (SCI-Expanded)
- IV. **Preparation and antimicrobial properties of LL-37 peptide immobilized lignin/caprolactone polymer film**
OGAN A., Yuce-Dursun B., Abdullah D., Beyler-Cigil A., KAHRAMAN M. V., ÇAĞLAYAN P., BİRBİR M., MUTLU Ö., GÜLSOY N.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.31, no.10, pp.2222-2228, 2020 (SCI-Expanded)
- V. **Experimentation and analysis of powder injection molded Ti₁₀Nb₁₀Zr alloy: a promising candidate for electrochemical and biomedical application**
Yemisci I., MUTLU Ö., GÜLSOY N., Kunal K., Atre S., GÜLSOY H. Ö.
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T, vol.8, no.6, pp.5233-5245, 2019 (SCI-Expanded)
- VI. **Novel hydroxyapatite/graphene oxide/collagen bioactive composite coating on Ti₁₆Nb alloys by electrodeposition**
Yilmaz E., Cakiroglu B., Gokce A., Findik F., GÜLSOY H. Ö., GÜLSOY N., MUTLU Ö., Ozacar M.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.101, pp.292-305, 2019 (SCI-Expanded)
- VII. **Comparative Analysis of the *Flavobacterium columnare* Genomovar I and II Genomes**
Kumru S., Tekedar H. C., GÜLSOY N., Waldbieser G. C., Lawrence M. L., Karsi A.
FRONTIERS IN MICROBIOLOGY, vol.8, 2017 (SCI-Expanded)
- VIII. **Effect of Zr, Nb and Ti addition on injection molded 316L stainless steel for bio-applications: Mechanical, electrochemical and biocompatibility properties**
Gülsoy H. Ö., Pazarlioglu S. S., Gülsoy N., Gundede B., Mutlu Ö.
JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, vol.51, pp.215-224, 2015 (SCI-Expanded)
- IX. **GENOTOXIC EFFECTS OF BORIC ACID AND BORAX IN ZEBRAFISH, DANIO RERIO USING ALKALINE COMET ASSAY**
GÜLSOY N., Yavas C., MUTLU Ö.
EXCLI JOURNAL, vol.14, pp.890-899, 2015 (SCI-Expanded)
- X. **Particle morphology influence on mechanical and biocompatibility properties of injection molded Ti alloy powder**
GÜLSOY H. Ö., GÜLSOY N., Calisici R.
BIO-MEDICAL MATERIALS AND ENGINEERING, vol.24, no.5, pp.1861-1873, 2014 (SCI-Expanded)
- XI. **Genome Sequence of the Fish Pathogen *Flavobacterium columnare* ATCC 49512**
Tekedar H. C., Karsi A., Gillaspay A. F., Dyer D. W., Benton N. R., Zaitshik J., Vamenta S., Baner M. M., GÜLSOY N., Aboko-Cole M., et al.
JOURNAL OF BACTERIOLOGY, vol.194, no.10, pp.2763-2764, 2012 (SCI-Expanded)
- XII. **Effect of boron addition on injection molded 316L stainless steel: Mechanical, corrosion properties and in vitro bioactivity**
Bayraktaroglu E., GÜLSOY H. Ö., GÜLSOY N., Er O., KILIÇ H.
BIO-MEDICAL MATERIALS AND ENGINEERING, vol.22, no.6, pp.333-349, 2012 (SCI-Expanded)
- XIII. **Proteomic analysis of the fish pathogen *Flavobacterium columnare***
Dumpala P. R., GÜLSOY N., Lawrence M. L., Karsi A.

PROTEOME SCIENCE, vol.8, 2010 (SCI-Expanded)

XIV. ULTRASTRUCTURAL ASPECTS OF PREVITELLOGENIC OOCYTE GROWTH IN HERMAPHRODITE SHARPSNOUT SEABREAM, DIPLODUS PUNTAZZO (TELEOSTEI, SPARIDAE)

GÜLSOY N., Colak S.

ACTA BIOLOGICA HUNGARICA, vol.60, no.2, pp.159-166, 2009 (SCI-Expanded)

XV. High-Throughput Bioluminescence-Based Mutant Screening Strategy for Identification of Bacterial Virulence Genes

Karsi A., GÜLSOY N., Corb E., Dumpala P. R., Lawrence M. L.

APPLIED AND ENVIRONMENTAL MICROBIOLOGY, vol.75, no.7, pp.2166-2175, 2009 (SCI-Expanded)

Articles Published in Other Journals

I. Development of yolk nucleus of previtellogenic oocytes in rainbow trout *Oncorhynchus mykiss* studied by light microscopy

GÜLSOY N.

Journal of Applied Biological Sciences, vol.1, no.2, pp.33-35, 2007 (Peer-Reviewed Journal)

Books & Book Chapters

I. Hücre ve Moleküler Biyoloji Sözlüğü

Gülsoy N. (Editor), Aydın Y. (Editor), Altınkut Uncuoğlu A. (Editor)

Nobel Yayın Dağıtım, İstanbul, 2014

Refereed Congress / Symposium Publications in Proceedings

I. Yüksek Karbondioksit ve Sıcaklık Koşullarında Titanyum Dioksit Nanopartikülünün Zebra Balığı (*Danio rerio*) Üzerindeki Genotoksik Etkileri

Çakır B. Ü., Gülsoy N.

3.Uluslararası Lisansüstü Çalışmalar Kongresi / 3rd International Graduate Studies Congress, Burdur, Turkey, 14 - 17 June 2023, pp.938-939

II. Effect of Sintering Conditions on Mechanical Properties of Injection Molded Ti10Nb10Zr Alloy for Bio-applications

ışıl y., GÜLSOY N., GÜLSOY H. Ö.

Biomat2018, 12 - 16 March 2018

III. NANO BAKIR OKSİT PARTİKÜLLERİNİN JAPON BALIĞI (*Carassius auratus*) SOLUNGAÇLARINDAKİ HİSTOPATOLOJİK ETKİLERİ

Yavaş C., GÜLSOY N.

1. Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, 7 - 10 December 2017

IV. Functional classification of proteins having role in cellular response to nanoparticles: A proteome-wide and bioinformatics approach

MUTLU Ö., GÜLSOY N.

1st International Conference of Applied Sciences, Engineering and Mathematics (ICASEM 2017), 5 - 07 May 2017

V. Powder Injection Molded of Ti10Nb10Zr Alloy for Bio applications Electrochemical Properties and Biocompatibility

yemişçi İ., GÜLSOY H. Ö., MUTLU Ö., GÜLSOY N.

worldPM2016, 9 - 13 October 2016

VI. Covalent immobilization of LL 37 onto lignin caprolactone based polymer and investigation of its antimicrobial activities

OGAN A., YÜCE DURSUN B., Farah D. A., Ash B. C., ÇAĞLAYAN P., MUTLU Ö., KAHRAMAN M. V., GÜLSOY N., BİRBİR M.
FEBS, 3 - 08 September 2016

- VII. **Protein interaction network construction and analysis using the quantitative proteomics data**
MUTLU Ö., GÜLSOY N.
Belgrade Bioinformatics 2016 Conference, Belgrat, Montenegro, 20 - 24 June 2016, pp.127
- VIII. **HASTANE ATIKSULARININ Carassius auratus BALIKLARINDAKİ GENOTOKSİK ETKİLERİNİN COMET YÖNTEMİYLE BELİRLENMESİ**
KAYA S., GÜLSOY N.
1st Urban Environment Health, Magosa, Cyprus (Kktc), 11 - 15 May 2016, vol.1, pp.338-341
- IX. **LL 37 Peptidinin Lignin Kaprolakton Polimerine İmmobilizasyonu ve Antimikrobiyal Özelliğinin İncelenmesi**
FARAH D., OGAN A., YÜCE DURSUN B., BEYLER ÇİÇİL A., KAHRAMAN M. V., MUTLU Ö., GÜLSOY N., ÇAĞLAYAN P., BİRBİR M.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015
- X. **S MA057 LL 37 PEPTİDİNİN LİGNİN KAPROLAKTON POLİMERİNE İMMOBİLİZASYONU VE ANTİMİKROBİYAL ÖZELLİĞİNİN İNCELENMESİ**
DEKA A. F., OGAN A., BEYLER ÇİÇİL A., KAHRAMAN M. V., MUTLU Ö., YÜCE DURSUN B., GÜLSOY N., ÇAĞLAYAN P., BİRBİR M.
27. Ulusal Kimya Kongresi 23-28 August 2015, Turkey, 23 - 28 August 2015
- XI. **Enhancing the corrosion resistance and biocompatibility of injection molded 316L stainless steel for Bio applications**
PAZARLIOĞLU S. S., BÜŞRA G., MUTLU Ö., GÜLSOY N., GÜLSOY H. Ö.
16th International Scientific Congress, CNIC 2015, 22 - 24 June 2015
- XII. **Enhancing the Corrosion Resistance and Biocompatibility of Injection Molded 316L Stainless Steel for Bio applications**
PAZARLIOĞLU S. S., Büşra G., MUTLU Ö., GÜLSOY N., GÜLSOY H. Ö.
16. International Scientific Congress CNIC 2015, 22 - 26 June 2015
- XIII. **Effect of Ti Nb and Zr Additives on Biocompatibility of Injection molded 316L Stainless Steel for Biomedical Application**
Büşra G., MUTLU Ö., GÜLSOY N.
ICMIBE 2015: XIII International Conference on Medical Informatics and Biomedical Engineering, 26 - 27 February 2015
- XIV. **Structure Analysis and Cytotoxic Evaluation of the ZnO Nanoparticles on Human Dermal Fibroblast Cells**
MUTLU Ö., GÜLSOY N.
ICMIBE 2015: XIII International Conference on Medical Informatics and Biomedical Engineering, 26 - 27 February 2015
- XV. **Effect of Ti Nb and Zr Additives on Biocompatibility of Injection molded 316L Stainless Steel for Biomedical Applications**
MUTLU Ö., GÜLSOY N.
Biomedical and Biological Engineering Conferences, 26 - 27 February 2015
- XVI. **Determination of genotoxic effects of boron in wheat (Triticum aestivum L.) by comet assay**
Sahin E. C., Akgul N., Dayi S., Ismailoglu I., VARDAR F., GÜLSOY N., AYDIN Y.
Eurobiotech Agriculture Symposium, Kayseri, Turkey, 12 - 14 April 2012, vol.161, pp.46

Metrics

Publication: 35

Citation (WoS): 266

Citation (Scopus): 222

H-Index (WoS): 9

H-Index (Scopus): 9

Non Academic Experience

Biruni Tibbi Tahlil Laboratuvarı

Ahmet Hamdi tanpınar İ.Ö.Ö