

## Lect. HÜSEYİN GÜNER

### Personal Information

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### International Researcher IDs

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ScopusID: 57221400452

Yoksis Researcher ID: 277585

### Education Information

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1991 - 1997

### Foreign Languages

Georgian, B1 Intermediate

German, A1 Beginner

Arabic, A1 Beginner

English, C1 Advanced

### Research Areas

Health Sciences, Medicine, Fundamental Medical Sciences, Biostatistics and Medical Informatics, Life Sciences, Bioinformatics, Biological Information, Biological Databases, Natural Sciences

### Academic Titles / Tasks

Lecturer, Abdullah Gul University, Yaşam Ve Doğa Bilimleri Fakültesi, Moleküler Biyoloji Ve Genetik, 2018 - Continues  
Expert, University of Wisconsin-Madison, School Of Medicine And Public Health, Cell And Regenerative Biology, 2008 - 2015

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

- Determination of promising inhibitors for N-SH2 domain of SHP2 tyrosine phosphatase: an in silico study**  
Gencer Akçok E. B., GÜNER H., AKÇOK İ.  
Molecular Diversity, 2024 (SCI-Expanded)
- Synthesis and Comprehensive in Vivo Activity Profiling of Olean-12-en-28-ol, 3β-Pentacosanoate in Experimental Autoimmune Encephalomyelitis: A Natural Remyelinating and Anti-Inflammatory Agent**

ŞENOL H., Ozgun-Acar O., DAĞ A., EKEN A., GÜNER H., Aykut Z. G., TOPÇU G., ŞEN A.

Journal of Natural Products, vol.86, no.1, pp.103-118, 2023 (SCI-Expanded)

- III. **TRAIL promotes the polarization of human macrophages toward a proinflammatory M1 phenotype and is associated with increased survival in cancer patients with high tumor macrophage content**  
Gunalp S., Helvacı D. G., Oner A., Bursalı A., Conforte A., GÜNER H., KARAKÜLAH G., Szegezdi E., Sag D.  
Frontiers in Immunology, vol.14, 2023 (SCI-Expanded)
- IV. **Biochemical, pharmacological, and toxicological attributes of caper (*Capparis ovata*) flowering buds and berries pickles**  
Ozgun-Acar O., Celik-Turgut G., GÜNER H., Sezer S., ŞEN A.  
FOOD SCIENCE & NUTRITION, vol.10, no.12, pp.4189-4200, 2022 (SCI-Expanded)
- V. **A subtractive proteomics approach for the identification of immunodominant *Acinetobacter baumannii* vaccine candidate proteins**  
Güner H.  
FRONTIERS IN IMMUNOLOGY, vol.13, pp.1-13, 2022 (SCI-Expanded)
- VI. **Proteomic fertility markers in ram sperm**  
HİTİT M., Ozbek M., AYAZ GÜNER Ş., GÜNER H., Oztug M., BODU M., Kirbas M., BÜLBÜL B., BUCAK M. N., ATAMAN M. B., et al.  
ANIMAL REPRODUCTION SCIENCE, vol.235, 2021 (SCI-Expanded)
- VII. **Why Do Muse Stem Cells Present an Enduring Stress Capacity? Hints from a Comparative Proteome Analysis**  
Acar M. B., Aprile D., AYAZ GÜNER Ş., GÜNER H., TEZ C., Di Bernardo G., Peluso G., ÖZCAN S., Galderisi U.  
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.22, no.4, 2021 (SCI-Expanded)
- VIII. **Obesity induced by high-fat diet is associated with critical changes in biological and molecular functions of mesenchymal stromal cells present in visceral adipose tissue**  
Acar M. B., Ayaz-Güner Ş., Di Bernardo G., Güner H., Murat A., Peluso G., Özcan S., Galderisi U.  
Aging, vol.12, no.24, pp.24894-24913, 2020 (SCI-Expanded)
- IX. **Obesity induced by high-fat diet is associated with critical changes in biological and molecular functions of mesenchymal stromal cells present in visceral adipose tissue**  
Acar M. B., AYAZ GÜNER Ş., Di Bernardo G., GÜNER H., Murat A., Peluso G., ÖZCAN S., Galderisi U.  
AGING-US, vol.12, no.24, pp.24894-24913, 2020 (SCI-Expanded)
- X. **MASH Suite Pro: A Comprehensive Software Tool for Top-Down Proteomics**  
Cai W., Guner H., Gregorich Z. R., Chen A. J., Ayaz-Guner Ş., Peng Y., Valeja S. G., Liu X., Ge Y.  
MOLECULAR & CELLULAR PROTEOMICS, vol.15, pp.703-714, 2016 (SCI-Expanded)
- XI. **Comprehensive assessment of chamber-specific and transmural heterogeneity in myofilament protein phosphorylation by top-down mass spectrometry**  
GREGORİCH Z. R., Peng Y., Lane N. M., WOLFF J. J., Wang S., Guo W., Guner H., Doop J., Hacker T. A., GE Y.  
JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY, vol.87, pp.102-112, 2015 (SCI-Expanded)
- XII. **Quantitative proteomics reveals differential regulation of protein expression in recipient myocardium after trilineage cardiovascular cell transplantation**  
CHANG Y., YE L., CAI W., Lee Y., Guner H., LEE Y., KAMP T. J., Zhang J., GE Y.  
PROTEOMICS, vol.15, no.15, pp.2560-2567, 2015 (SCI-Expanded)
- XIII. **Three Dimensional Liquid Chromatography Coupling Ion Exchange Chromatography/Hydrophobic Interaction Chromatography/Reverse Phase Chromatography for Effective Protein Separation in Top-Down Proteomics**  
Valeja S. G., Xiu L., Gregorich Z. R., Guner H., Jin S., Ge Y.  
ANALYTICAL CHEMISTRY, vol.87, no.10, pp.5363-5371, 2015 (SCI-Expanded)
- XIV. **New Mass-Spectrometry-Compatible Degradable Surfactant for Tissue Proteomics**  
CHANG Y., GREGORİCH Z. R., CHEN A. J., Hwang L., Guner H., YU D., Zhang J., GE Y.  
JOURNAL OF PROTEOME RESEARCH, vol.14, no.3, pp.1587-1599, 2015 (SCI-Expanded)
- XV. **Top-down Proteomics Reveals Concerted Reductions in Myofilament and Z-disc Protein Phosphorylation after Acute Myocardial Infarction**

Peng Y., Gregorich Z. R., Valeja S. G., Zhang H., Cai W., CHEN Y., Guner H., Chen A. J., SCHWAHN D. J., HACKER T. A., et al.

MOLECULAR & CELLULAR PROTEOMICS, vol.13, no.10, pp.2752-2764, 2014 (SCI-Expanded)

- XVI. **MASH Suite: A User-Friendly and Versatile Software Interface for High-Resolution Mass Spectrometry Data Interpretation and Visualization**  
Guner H., Close P. L., CAI W., ZHANG H., PENG Y., GREGORICH Z. R., GE Y.  
JOURNAL OF THE AMERICAN SOCIETY FOR MASS SPECTROMETRY, vol.25, no.3, pp.464-470, 2014 (SCI-Expanded)
- XVII. **Top-Down Quantitative Proteomics Identified Phosphorylation of Cardiac Troponin I as a Candidate Biomarker for Chronic Heart Failure**  
ZHANG J., GUY M. J., NORMAN H. S., CHEN Y., XU Q., DONG X., Guner H., Wang S., Kohmoto T., YOUNG K. H., et al.  
JOURNAL OF PROTEOME RESEARCH, vol.10, no.9, pp.4054-4065, 2011 (SCI-Expanded)
- XVIII. **Top-down high-resolution electron capture dissociation mass spectrometry for comprehensive characterization of post-translational modifications in Rhesus monkey cardiac troponin I**  
Xu F., Xu Q., Dong X., Guy M., Guner H., Hacker T. A., Ge Y.  
INTERNATIONAL JOURNAL OF MASS SPECTROMETRY, vol.305, pp.95-102, 2011 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Dual Targeting of DNA Damage Response Proteins Implicated in Cancer Radioresistance**  
Güner H.  
Genes, vol.14, no.12, pp.2227-2230, 2023 (Scopus)
- II. **Protocol for cell surface biotinylation of magnetic labeled and captured human peripheral blood mononuclear cells**  
Ayaz-Guner S., Acar M. B., Boyvat D., GÜNER H., Bozalan H., Güzel M., Yıldır S. K., Altınsoy N., Fındık F., KARAKÜKCÜ M., et al.  
STAR Protocols, vol.3, no.4, 2022 (Scopus)

## Metrics

Publication: 20

Citation (WoS): 599

Citation (Scopus): 639

H-Index (WoS): 10

H-Index (Scopus): 12