SÜREYYA ÖZCAN KABASAKAL
ASST. PROF.

Email : sozcan@metu.edu.tr
Office Phone : +90 312 210 5126
International Researcher IDs
ScholarID: 1OWWIPEAAAAJ
ORCID: 0000-0002-9371-3696
Publons / Web Of Science ResearcherID: A-7647-2018
ScopusID: 1607807
Yoksis Researcher ID: 298008

Learning Knowledge

Doctorate 2009 - 2012	University of California, Davis, United States Of America
Postgraduate 2004 - 2008	Hacettepe University, Fen Bilimleri Enstitüsü, Turkey
Undergraduate 2000 - 2004	Gazi University, Fen Fakültesi, Turkey

Dissertations

Doctorate, Glycomics: Applications to Clinical Studies, University of California, Davis, 2012
Postgraduate, Kükürtdioksit ve pH'xxnın Okratoksin A stabilitesi üzerine etkilerinin araştırılması, Hacettepe University, Fen Bilimleri Enstitüsü, 2008

Academic Titles / Tasks

Assistant Professor 2019 - Continues	Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry

Supported Projects

1. ÖZCAN KABASAKAL S., YILDIZ P., Project Supported by Higher Education Institutions, Enzimatik parçalanmanın kantitatif protein analizleri üzerine etkisinin incelenmesi, 2019 - 2022

Scholarships

Graduate Fellowship, University, 2009 - 2012

Published journal articles indexed by SCI, SSCI, and AHCI

Published journal articles indexed by SCI, SSCI, and AHCI

1. **A single protein to multiple peptides: Investigation of protein-peptide correlations using targeted alpha-2-macroglobulin analysis**
   Yildiz P., Ozcan S.
   Talanta, vol.265, 2023 (SCI-Expanded)
2. **Proteomics Approach to Differentiate Protein Extraction Methods in Sugar Beet Leaves**
   Goktayoglu E., ÖZTOP H. M., Ozcan S.
   Journal of Agricultural and Food Chemistry, vol.71, no.23, pp.9157-9163, 2023 (SCI-Expanded)
3. **(In)Distinctive Role of Long Non-Coding RNAs in Common and Rare Ovarian Cancers**
   Sabol M., Calleja-Agius J., Di Fiore R., Suleiman S., ÖZCAN KABASAKAL S., Ward M. P., Ozretic P.
   CANCERS, vol.13, no.20, 2021 (SCI-Expanded)
4. **Ultimate COVID-19 Detection Protocol Based on Saliva Sampling and qRT-PCR with Risk Probability Assessment.**
   Won J., Kazan H. H., Kwon J., Park M., Ergun M. A., Ozcan S., Choi B. Y., Heo W. D., Lee C. J.
   Experimental neurobiology, vol.30, pp.13-31, 2021 (SCI-Expanded)
5. **A machine learning algorithm to differentiate bipolar disorder from major depressive disorder using an online mental health questionnaire and blood biomarker data**
   Tomasik J., Han S. Y. S., Barton-Owen G., Mirea D., Martin-Key N. A., Rustogi N., Lago S. G., Olmert T., Cooper J. D., Ozcan S., et al.
   TRANSLATIONAL PSYCHIATRY, vol.11, no.1, 2021 (SCI-Expanded)
6. **Diagnostic prediction model development using data from dried blood spot proteomics and a digital mental health assessment to identify major depressive disorder among individuals presenting with low mood**
   Han S., Tomasik J., Rustogi N., Lago S., Barton-Owen G., Eljasz P., Cooper J., Ozcan S., Olmert T., Farrag L., et al.
   BRAIN BEHAVIOR AND IMMUNITY, vol.90, pp.184-195, 2020 (SCI-Expanded)
7. **Spatial and temporal diversity of glycome expression in mammalian brain**
   Lee J., Ha S., Kim M., Kim S., Yun J., Ozcan S., Hwang H., Ji I., Yin D., Webster M., et al.
   PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol.117, no.46, pp.28743-28753, 2020 (SCI-Expanded)
8. **Integrating proteomic, sociodemographic and clinical data to predict future depression diagnosis in subthreshold symptomatic individuals**
   Han S. Y. S., Cooper J. D., Ozcan S., Rustogi N., Penninx B. W. J. H., Bahn S.
   Translational psychiatry, vol.9, no.1, pp.277, 2019 (SCI-Expanded)
9. **Multimodel inference for biomarker development: an application to schizophrenia**
   Cooper J. D., Han S. Y. S., Tomasik J., Ozcan S., Rustogi N., van Beveren N. J. M., Leweke F. M., Bahn S.
   TRANSLATIONAL PSYCHIATRY, vol.9, 2019 (SCI-Expanded)
10. **Temporal proteomic profiling of postnatal human cortical development**
    Breen M. S., Ozcan S., Ramsey J. M., Wang Z., Ma'ayan A., Rustogi N., Gottschalk M. G., Webster M. J., Weickert C. S., Buxbaum J. D., et al.
    TRANSLATIONAL PSYCHIATRY, vol.8, 2018 (SCI-Expanded)
11. **Fluoxetine, not donepezil, reverses anhedonia, cognitive dysfunctions and hippocampal proteome changes during repeated social defeat exposure**
    Gottschalk M. G., Mortas P., Haman M., Ozcan S., Biemans B., Bahn S.
    EUROPEAN NEUROPSYCHOPHARMACOLOGY, vol.28, no.1, pp.195-210, 2018 (SCI-Expanded)
12. **Evidence of microglial activation following exposure to serum from first-onset drug-naive schizophrenia patients**
    van Rees G. F., Lago S. G., Cox D. A., Tomasik J., Rustogi N., Weigelt K., Ozcan S., Cooper J., Drexhage H., Leweke F. M., et al.
    BRAIN BEHAVIOR AND IMMUNITY, vol.67, pp.364-373, 2018 (SCI-Expanded)
13. **Schizophrenia-risk and urban birth are associated with proteomic changes in neonatal dried blood spots**
    Cooper J. D., Ozcan S., Gardner R. M., Rustogi N., Wicks S., van Rees G. F., Leweke F. M., Dalman C., Karlsson H., Bahn

S.
TRANSLATIONAL PSYCHIATRY, vol.7, 2017 (SCI-Expanded)

14. **Altered apolipoprotein C expression in association with cognition impairments and hippocampus volume in schizophrenia and bipolar disorder**
Knoechel C., Kniep J., Cooper J. D., Stablein M., Wenzler S., Sarlon J., Prvulovic D., Linden D. E. J., Bahn S., Stocki P., et al.
EUROPEAN ARCHIVES OF PSYCHIATRY AND CLINICAL NEUROSCIENCE, vol.267, no.3, pp.199-212, 2017 (SCI-Expanded)

15. **Towards reproducible MRM based biomarker discovery using dried blood spots**
Ozcan S., Cooper J. D., Lago S. G., Kenny D., Rustogi N., Stocki P., Bahn S.
SCIENTIFIC REPORTS, vol.7, 2017 (SCI-Expanded)

16. **Parallel changes in serum proteins and diffusion tensor imaging in methamphetamine-associated psychosis**
Breen M. S., Uhlmann A., Ozcan S., Chan M., Pinto D., Bahn S., Stein D. J.
SCIENTIFIC REPORTS, vol.7, 2017 (SCI-Expanded)

17. **Synaptic vesicle dynamic changes in a model of fragile X**
Broek J. A. C., Lin Z., de Gruiter H. M., van 't Spijker H., Haasdijk E. D., Cox D., Ozcan S., van Cappellen G. W. A., Houtsmuller A. B., Willemsen R., et al.
MOLECULAR AUTISM, vol.7, 2016 (SCI-Expanded)

18. **Alkali-based pre-treatment may prevent ochratoxin A in grapes**
Ozcan S., GÖKMEN V.
World Mycotoxin Journal, vol.9, no.4, pp.517-523, 2016 (SCI-Expanded)

19. **Effects of olanzapine on serum protein phosphorylation patterns in patients with schizophrenia**
Jaros J. A., Rahmoune H., Wesseling H., Leweke F. M., Ozcan S., Guest P. C., Bahn S.
PROTEOMICS CLINICAL APPLICATIONS, vol.9, pp.907-916, 2015 (SCI-Expanded)

20. **Technologies for glycomic characterization of biopharmaceutical erythropoietins**
Hua S., Oh M. J., Ozcan S., Seo Y. S., Grimm R., An H. J.
TRAC-TRENDS IN ANALYTICAL CHEMISTRY, vol.68, pp.18-27, 2015 (SCI-Expanded)

21. **In-Depth Method for the Characterization of Glycosylation in Manufactured Recombinant Monoclonal Antibody Drugs**
Song T., Ozcan S., Becker A., Lebrilla C. B.
ANALYTICAL CHEMISTRY, vol.86, no.12, pp.5661-5666, 2014 (SCI-Expanded)

22. **Glycosylated proteins preserved over millennia: N-glycan analysis of Tyrolean Iceman, Scythian Princess and Warrior**
Ozcan S., Kim B. J., Ro G., Kim J., Bereuter T. L., Reiter C., Dimapasoc L., Garrido D., Mills D. A., Grimm R., et al.
SCIENTIFIC REPORTS, vol.4, 2014 (SCI-Expanded)

23. **Evaluation of Glycomic Profiling as a Diagnostic Biomarker for Epithelial Ovarian Cancer**
Kim K., Ruhaak L. R., Uyen Thao Nguyen U. T. N., Taylor S. L., Dimapasoc L., Williams C., Stroble C., Ozcan S., Miyamoto S., Lebrilla C. B., et al.
CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION, vol.23, no.4, pp.611-621, 2014 (SCI-Expanded)

24. **Serum Glycan Signatures of Gastric Cancer**
Ozcan S., Barkauskas D. A., Ruhaak L. R., Torres J., Cooke C. L., An H. J., Hua S., Williams C. C., Dimapasoc L. M., Kim J. H., et al.
CANCER PREVENTION RESEARCH, vol.7, no.2, pp.226-235, 2014 (SCI-Expanded)

25. **Characterization of Novel O-Glycans Isolated from Tear and Saliva of Ocular Rosacea Patients**
Ozcan S., An H. J., Vieira A. C., Park G. W., Kim J. H., Mannis M. J., Lebrilla C. B.
JOURNAL OF PROTEOME RESEARCH, vol.12, no.3, pp.1090-1100, 2013 (SCI-Expanded)

26. **Isomer-specific chromatographic profiling yields highly sensitive and specific potential N-glycan biomarkers for epithelial ovarian cancer**
Hua S., Williams C. C., Dimapasoc L. M., Ro G. S., Ozcan S., Miyamoto S., Lebrilla C. B., An H. J., Leiserowitzf G. S.
JOURNAL OF CHROMATOGRAPHY A, vol.1279, pp.58-67, 2013 (SCI-Expanded)

27. **Glycomic Analysis of Tear and Saliva in Ocular Rosacea Patients: The Search for a Biomarker**
Vieira A. C., An H. J., Ozcan S., Kim J., Lebrilla C. B., Mannis M. J.
OCULAR SURFACE, vol.10, no.3, pp.184-192, 2012 (SCI-Expanded)
28. **Comprehensive native glycan profiling with isomer separation and quantitation for the discovery of cancer biomarkers**
Hua S., An H. J., Ozcan S., Ro G. S., Soares S., DeVere-White R., Lebrilla C. B.
ANALYST, vol.136, no.18, pp.3663-3671, 2011 (SCI-Expanded)
29. **Changes in Free Amino Acid and Sugar Levels of Dried Figs during Aflatoxin B(1) Production by Aspergillus flavus and Aspergillus parasiticus**
Senyuva H. Z., Gilbert J., Ozturkoglu S., Ozcan S., Gurel N.
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol.56, no.20, pp.9661-9666, 2008 (SCI-Expanded)
30. **Rapid LC and LC/MS for routine analysis of mycotoxins in foods**
Senyuva H., Gilbert J., Ozcan S., Gurel N.
WORLD MYCOTOXIN JOURNAL, vol.1, no.3, pp.229-235, 2008 (SCI-Expanded)
31. **Determination of fumonisins B-1 and b2 in corn by liquid chromatography/mass spectrometry with immunoaffinity column cleanup: Single-laboratory method validation**
Senyuva H. Z., Ozcan S., Cimen D., Gilbert J.
JOURNAL OF AOAC INTERNATIONAL, vol.91, no.3, pp.598-606, 2008 (SCI-Expanded)
32. **Occurrence of fungi and their mycotoxins in individual Turkish dried figs**
Senyuva H. Z., Gilbert J., Samson R. A., Ozcan S., Ozturkoglu S., Onal D.
WORLD MYCOTOXIN JOURNAL, vol.1, no.1, pp.79-86, 2008 (SCI-Expanded)
33. **Improved and simplified liquid chromatography/atmospheric pressure chemical ionization mass spectrometry method for the analysis of underivatized free amino acids in various foods**
Ozcan S., Senyuva H. Z.
JOURNAL OF CHROMATOGRAPHY A, vol.1135, no.2, pp.179-185, 2006 (SCI-Expanded)
34. **Polarographic determination of Pb(II) and Cd(II) with selective removal of Se(IV) using ionic poly(N,N-dimethylacrylamide-co-allylthiourea)**
Inam R., Caykara T., Ozcan S., Yagmur M.
JOURNAL OF ANALYTICAL CHEMISTRY, vol.60, no.12, pp.1139-1143, 2005 (SCI-Expanded)
35. **Survey for co-occurrence of ochratoxin A and aflatoxin B, in dried figs in Turkey by using a single laboratory-validated alkaline extraction method for ochratoxin A**
Senyuva H., Gilbert J., Ozcan S., Ulken U.
JOURNAL OF FOOD PROTECTION, vol.68, no.7, pp.1512-1515, 2005 (SCI-Expanded)

Articles Published in Other Journals

1. **SERUM ÖRNEKLERİNDE ALFA-2-MAKROGLUBULİN TAYİNİ**
ÖZCAN KABASAKAL S.
ANKARA UNIVERSITESI ECZACILIK FAKULTESI DERGISI, vol.46, pp.967-978, 2022 (Scopus)
2. **A Combined Digital and Biomarker Diagnostic Aid for Mood Disorders (the Delta Trial): Protocol for an Observational Study**
Olmert T., Cooper J. D., Han S. Y. S., Barton-Owen G., Farrag L., Bell E., Friend L. V., Ozcan S., Rustogi N., Preece R. L., et al.
JMIR RESEARCH PROTOCOLS, vol.9, no.8, 2020 (ESCI)
3. **The serum immunoglobulin G glycosylation signature of gastric cancer**
Ruhaak L. R., Barkauskas D. A., Torres J., Cooke C. L., Wu L. D., Stroble C., Ozcan S., Williams C. C., Camorlinga M., Rocke D. M., et al.
EuPA Open Proteomics, vol.6, pp.1-9, 2015 (Scopus)
4. **Central and peripheral changes underlying susceptibility and resistance to social defeat stress - A proteomic profiling study**

Stelzhammer V., Ozcan S., Gottschalk M. G., Steeb H., Hodes G. E., Guest P. C., Rahmoune H., Wong E. H., Russo S. J., Bahn S.
Diagnostics in Neuropsychiatry, vol.1, pp.1-7, 2015 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

1. **Dancing in the Dark: Discovering the Boundaries**
   ÖZCAN KABASAKAL S.
   15th International Symposium on Health Informatics and Bioinformatics, Mersin, Turkey, 20 October 2022
2. **Integrative Omics Strategies for Rare Gynecological Diseases**
   ÖZCAN KABASAKAL S.
   GYNOCARE COST Action Training School, Skopje, Macedonia, 18 September 2022
3. **Green Proteome: Waste into wealth**
   Göktayoğlu E., ÖZTOP H. M., KABASAKAL B. V., ÖZCAN KABASAKAL S.
   ACS Fall Meeting, United States Of America, 20 - 25 August 2022
4. **Insights into quantitative proteomics**
   ÖZCAN KABASAKAL S., YILDIZ P.
   ACS Spring Meeting, United States Of America, 23 March 2022
5. **Structural insights into protein quality control using cross linking mass spectrometry**
   ÖZCAN KABASAKAL S., Akkulak H., Göç G., çalışseki m., İnce H. K., Lebrilla C. B., Berger-Schaffitzel C., KABASAKAL B. V.
   ACS Spring Meeting, United States Of America, 19 March 2022
6. **Discovering ProteoMS**
   ÖZCAN KABASAKAL S.
   Ulusal Yapısal Biyoloji Çalıştayı, İzmir, Turkey, 04 November 2021
7. **Hedefli Proteomik Çalışmaları için Proteolitik Sindirim Ürünlerinin Değerlendirilmesi**
   ÖZCAN KABASAKAL S., YILDIZ P.
   32. Biyokimya Kongresi, Turkey, 28 October 2021
8. **Klinik araştırmalarda Güncel Omics Yaklasımları**
   ÖZCAN KABASAKAL S.
   3. Ulusal Proteomiks Kongresi, İstanbul, Turkey, 27 February 2021
9. **Klinik araştırmalarda Güncel Omics Yaklasımları**
   ÖZCAN KABASAKAL S.
   31. Ulusal Biyokimya Kongresi, Turkey, 18 December 2020
10. **Nadir Hastaliklardaki Omiks Uygulamalari**
    ÖZCAN KABASAKAL S.
    14th Ulusal Medikal Genetik Sempozyumu, Ankara, Turkey, 20 November 2020

Advising Theses

ÖZCAN KABASAKAL S., Behavior of alpha-2-macroglobulin unique peptides in biological samples, Postgraduate, P.YILDIZ(Student), 2021

Metrics

Publication: 51
Citation (WoS): 749
Citation (Scopus): 625

H-Index (WoS): 15
H-Index (Scopus): 13

Invited Talks

Klinik araştırmalarda Güncel Omics Yaklasımları, Conference, 31st National Biochemistry Conference, Turkey, December 2020
Nadir Hastalıklardakı Omiks Uygulamaları, Conference, 14th National Medical Genetic Symposium, Turkey, November 2020
Klinik araştırmalarda Güncel Omics Yaklasımları, Conference, 3rd National Proteomics Conference, Turkey, February 2020
Opportunities and Challenges of Multiomics Analysis, Workshop, FoodEnTwin Workshop, Serbia, June 2019
MultiOmics- Engaging Colors, Conference, 19th Annual International Proteomics Conference KHUPO, South Korea, March 2019
6. Development of blood tests for the diagnosis of Mental Disorders, Conference, Anna Bidder Research Evening, Lucy Cavendish College, United Kingdom, November 2015
Dried Blood Spots analysis to identify biomarkers for Schizophrenia and other psychiatric disorders, Conference, Clinical Research Symposium, United Kingdom, July 2015

Research Areas

Chemistry, Analytical Chemistry, Biochemistry