

## Res. Asst. PhD AHMET YALÇINKAYA

### Personal Information

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### International Researcher IDs

ScholarID: RGWpAKsAAAAJ

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Publons / Web Of Science ResearcherID: AEH-5871-2022

ScopusID: 57197821743

Yoksis Researcher ID: 216443

### Education Information

Doctorate, Hacettepe University, Tıp Fakültesi (İngilizce), Temel Tıp Bilimleri Bölümü, Turkey 2014 - 2020

Undergraduate, Kirikkale University, School Of Medicine, Medicine, Turkey 2006 - 2012

### Foreign Languages

English, C2 Mastery

### Dissertations

Doctorate, Determination of lipid metabolism alterations and their association with disease pathogenesis in sickle cell disease, Hacettepe University, Sağlık Bilimleri Enstitüsü, Tıbbi Biyokimya, 2020

### Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biochemistry

### Academic Titles / Tasks

Research Assistant PhD, Hacettepe University, Tıp Fakültesi (Türkçe), Temel Tıp Bilimleri Bölümü, 2020 - Continues  
Researcher, Medical University of South Carolina, Medical University of South Carolina, Departments of Biochemistry and Molecular Biology, 2019 - 2020

Research Assistant, Hacettepe University, Tıp Fakültesi (Türkçe), Temel Tıp Bilimleri Bölümü, 2014 - 2020

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

1. **Plasma sphingolipids in patients with sickle cell disease: Multiple-site vaso-occlusive crises could be associated with lower sphingolipid levels.**

Alp G., Oztas Y., Yalçinkaya A., Ozel S., Yildirim N., Unal S.

Lipids, 2024 (SCI-Expanded)

- II. **No link between type I interferon autoantibody positivity and adverse reactions to COVID-19 vaccines**  
Yalçinkaya A.  
npj Vaccines, vol.9, no.42, pp.1-7, 2024 (SCI-Expanded)
- III. **Sterols in Inflammatory Diseases: Implications and Clinical Utility.**  
Yalcinkaya A., Öztaş Y. E., Sabuncuoğlu S.  
Advances in experimental medicine and biology, vol.1440, pp.261-275, 2024 (SCI-Expanded)
- IV. **Local excision versus thrombectomy in thrombosed external hemorrhoids: a multicenter, prospective, observational study**  
Yalcinkaya A., Yalçinkaya A., Atici S. D., Sahin C., Leventoglu S., Collaboration O. B. O. T. E. H. S.  
BMC SURGERY, vol.23, pp.1-10, 2023 (SCI-Expanded)
- V. **Nociceptive improvements and kynurenine pathway alterations with diclofenac treatment in a rat model of neuropathic pain created by partial sciatic nerve ligation**  
DEBBAĞ S., Yalcinkaya A., Saricaoglu F.  
European review for medical and pharmacological sciences, vol.27, no.9, pp.4239-4247, 2023 (SCI-Expanded)
- VI. **Possible Effect of Chelation Treatment on Metabolomic and Lipidomic Analysis in Lead Exposure**  
Çetin T., Samadi A., Reçber T., Dinçer A. K., Eser B., Yalcinkaya A., Nemitlu E., Öztaş Y., Lay İ., Sabuncuoğlu S.  
JOURNAL OF OCCUPATIONAL AND ENVIRONMENTAL MEDICINE, vol.64, no.5, 2022 (SCI-Expanded)
- VII. **Evaluation of the relationship between intravascular hemolysis and clinical manifestations in sickle cell disease: decreased hemopexin during vaso-occlusive crises and increased inflammation in acute chest syndrome**  
Yildirim N., ÜNAL S., Yalcinkaya A., Karahan F., ER ÖZTAŞ Y.  
ANNALS OF HEMATOLOGY, vol.101, no.1, pp.35-41, 2022 (SCI-Expanded)
- VIII. **RIFT Turkey: Right Iliac Fossa Treatment Audit Turkey**  
Yalçinkaya A., Balcı B., Leventoğlu Ö. S., Yıldız A., Kayacan G., Yalçinkaya A.  
COLORECTAL DISEASE, vol.23, no.S2, pp.188-198, 2021 (SCI-Expanded)
- IX. **Aging-dependent mitochondrial dysfunction mediated by ceramide signaling inhibits antitumor T cell response**  
Vaena S., Chakraborty P., Lee H. G., Janneh A. H., Kassir M. F., Beeson G., Hedley Z., Yalcinkaya A., Sofi M. H., Li H., et al.  
CELL REPORTS, vol.35, no.5, 2021 (SCI-Expanded)
- X. **A Comprehensive Review on Oxysterols and Related Diseases**  
Samadi A., SABUNCUOĞLU S., Samadi M., YILMAZ İŞIKHAN S., Chirumbolo S., Peana M., LAY İ., YALÇINKAYA A., Bjorklund G.  
CURRENT MEDICINAL CHEMISTRY, vol.28, no.1, pp.110-136, 2021 (SCI-Expanded)
- XI. **Increasing the accuracy and reliability of the ninhydrin method of cyanide detection in human plasma**  
Öz E., Yalçinkaya A., Aktan O., Er Öztaş Y.  
TURKISH JOURNAL OF BIOCHEMISTRY, vol.45, no.s2, 2020 (SCI-Expanded)
- XII. **Plasma Ceramides and Sphingomyelins of Pediatric Patients Increase in Primary Ciliary Dyskinesia but Decrease in Cystic Fibrosis**  
Bal T., Tugcu G., Ozcan F., Aslan M., Yalcinkaya A., Polat S., Hizal M., Yalcin E., Ersoz D., Ozcelik U., et al.  
LIPIDS, vol.55, no.3, pp.213-223, 2020 (SCI-Expanded)
- XIII. **Evaluation of oxysterol levels of patients with silicosis by LC-MS/MS method**  
Aksu N., Samadi A., Yalçinkaya A., Çetin T., Eser B., Lay İ., Öziş T., Öztaş Y., Sabuncuoğlu S.  
MOLECULAR AND CELLULAR BIOCHEMISTRY, vol.467, pp.117-125, 2020 (SCI-Expanded)
- XIV. **The increased neopterin content in turkish pediatric patients with sickle cell anemia**  
Sabuncuoğlu S., Öztaş Y., Yalçinkaya A., Ünal S., Baydar T., Girgin G.  
Annals of Hematology, vol.99, no.1, pp.41-47, 2020 (SCI-Expanded)

- XV. **Altered HDL particle in sickle cell disease: decreased cholesterol content is associated with hemolysis, whereas decreased Apolipoprotein A1 is linked to inflammation.**  
Yalcinkaya A., Unal S., Oztas Y.  
Lipids in health and disease, vol.18, pp.225, 2019 (SCI-Expanded)
- XVI. **Treatment of thrombosed external hemorrhoids: comparison of the thrombectomy and local excision procedures in terms of results and outcome**  
Leventoğlu Ö. S., Yalçinkaya A., Kırımtay B., Yalçinkaya A.  
COLORECTAL DISEASE, vol.21, no.S3, pp.131-133, 2019 (SCI-Expanded)
- XVII. **Oxysterol concentrations are associated with cholesterol concentrations and anemia in pediatric patients with sickle cell disease**  
Yalcinkaya A., Samadi A., Lay İ., Unal S., Sabuncuoglu S., Oztas Y.  
SCANDINAVIAN JOURNAL OF CLINICAL & LABORATORY INVESTIGATION, vol.79, no.6, pp.381-387, 2019 (SCI-Expanded)
- XVIII. **The serum leptin level in non-obese patients with obstructive sleep apnea.**  
Pamuk A. E., Süslü A., Yalçinkaya A., Öztaş Y., Pamuk G., Özer S., Önerci M.  
Auris, nasus, larynx, vol.45, no.4, pp.796-800, 2018 (SCI-Expanded)
- XIX. **Chronic Hemolysis, Oxidative Stress and Inflammation Contribute to Dysfunctional HDL in Sickle Cell Disease**  
Yalcinkaya A., Unal S., Oztas Y.  
Blood, vol.130, no.S1, pp.2240-2241, 2017 (SCI-Expanded)
- XX. **Increased plasma 7-ketocholesterol levels may explain the hypocholesterolemia of sickle cell disease patients**  
Yalçinkaya A., Samadi A., Lay I., Ünal S., Er Öztaş Y.  
Febs Journal, vol.283, pp.64, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The effect of silymarin given before partial hepatectomy on liver regeneration in rats with ischemic preconditioning during liver resection**  
Yalçinkaya A.  
Archives of Current Medical Research, vol.0, no.0, 2022 (Peer-Reviewed Journal)
- II. **Investigating the psychological impact of COVID-19 on healthcare workers in the intensive care unit**  
SÜNNETÇİ SİLİSTRE E., HATİPOĞLU H. U., YEŞİLBAŞ O., ŞÜKRÜ GÜRBÜZ F., ÖZTÜRK E., YALÇINKAYA A.  
Journal of Surgery and Medicine, vol.6, 2022 (Peer-Reviewed Journal)
- III. **Oxidative alterations in sickle cell disease: Possible involvement in disease pathogenesis**  
Er Öztaş Y., Yalçinkaya A.  
World journal of Hematology, vol.6, no.3, pp.55-61, 2017 (Peer-Reviewed Journal)
- IV. **Nursing Viewpoint: Toxicity Assessment in Patients Receiving Chemotherapy**  
Yalçinkaya A., Gümüşkaya G.  
Acta Medica, vol.48, no.1, pp.1, 2017 (Peer-Reviewed Journal)
- V. **Hypocholesterolemia and increased plasma 7-ketocholesterol levels in pediatric Sickle Cell patients**  
Yalçinkaya A., Lay I., Samadi A., Ünal S., Akbiyik F., Er Öztaş Y.  
Acta Medica, vol.48, pp.1-4, 2017 (Peer-Reviewed Journal)
- VI. **An overview of the significance of troponin in acute myocardial infarction**  
Yalçinkaya A., Er Öztaş Y.  
Acta Medica, vol.46, no.1, pp.15-20, 2016 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Importance of Oxidative Stress and Antioxidant System in Health and Disease**  
Sabuncuoğlu S. (Editor), Yalçinkaya A. (Editor)  
IntechOpen, London, 2023
- II. **Lipit Araştırmalarının Geçmişi ve Geldiği Son Nokta: Lipidomik Araştırma Teknikleri**  
Öz E., Yalçinkaya A., Er Öztaş Y.  
in: Health Science Research: Basic Medicine, Hülya Çiçek, Editor, Özgür Eğitim Yayıncılık, Ankara, pp.13-35, 2023
- III. **Temel ve Klinik Biyokimyanın İlkeleri**  
YALÇINKAYA A., ÇİÇEK Ç., ARMUTCU ÇORMAN C., ÖZCAN M., ÇAKIR AKTAŞ C., GÖK M.  
Dünya Tıp Kitabevi, Ankara, 2022
- IV. **Lipidler ve Lipid Metabolizması**  
YALÇINKAYA A.  
in: Temel ve Klinik Biyokimyanın İlkeleri, Çiçek Çiğdem, Yalçinkaya Ahmet, Editor, Dünya Tıp Kitabevi, Ankara, pp.79-106, 2022
- V. **Hormonlar ve Görevleri**  
YALÇINKAYA A.  
in: Temel ve Klinik Biyokimyanın İlkeleri, Çiçek Çiğdem, Yalçinkaya Ahmet, Editor, Dünya Tıp Kitabevi, Ankara, pp.151-174, 2022

## Refereed Congress / Symposium Publications in Proceedings

- I. **POSSIBLE EFFECT OF CHELATION TREATMENT ON METABOLOMIC AND LIPIDOMIC ANALYSIS IN LEAD EXPOSURE**  
Çetin T., Samadi A., REÇBER T., Esmer B., YALÇINKAYA A., ER ÖZTAŞ Y., NEMUTLU E., LAY İ., SABUNCUOĞLU S.  
13th International Symposium on Pharmaceutical Sciences (ISOPS), Turkey, 22 - 25 June 2021
- II. **Oxysterols may contribute to hemolysis in sickle cell disease**  
YALÇINKAYA A., Samadi A., LAY İ., ÜNAL S., SABUNCUOĞLU S., ER ÖZTAŞ Y.  
44th FEBS CONGRESS, Krakow, Poland, 6 - 11 July 2019, vol.9, pp.69
- III. **Chronic Hemolysis, Oxidative Stress and Inflammation Contribute to Dysfunctional HDL in Sickle Cell Disease**  
YALÇINKAYA A., ÜNAL S., ER ÖZTAŞ Y.  
59th ASH Annual Meeting and Expo, 9 - 12 December 2017
- IV. **Pediatric Orak Hücre Hastalarında Sfingozin 1-fosfat Düzeyi**  
YALÇINKAYA A., ESER B., ÜNAL S., ER ÖZTAŞ Y.  
II. Lipid Araştırmaları Çalıştayı, Ankara, Turkey, 07 October 2017
- V. **THE ROLE OF ISCHEMIA MODIFIED ALBUMIN, 7-KETOCHOLESTEROL AND THE CHOLESTAN-3 $\beta$ ,5 $\alpha$ ,6 $\beta$ -TRIOL IN THE DIAGNOSIS OF CORONARY ARTER DISEASE**  
KELEŞ M. E., YALÇINKAYA A., ŞENER Y. Z., SAMADİ A., SEZGİN A., CANPOLAT U., SİNİCİ İ.  
28th National Biochemistry Congress, Erzurum, Turkey, 19 - 23 September 2017
- VI. **İnsan Serumunda Siyanür Ölçümü: Ninhidrin Yönteminin İki Farklı Uygulamasının Karşılaştırılması**  
YALÇINKAYA A., GÖK M., ER ÖZTAŞ Y.  
Uluslararası Biyokimya Kongresi 2017/ 28. Ulusal Biyokimya Kongresi, Erzurum, Turkey, 19 - 23 September 2017, vol.42, pp.1-102
- VII. **Increased 7-ketocholesterol in the plasma of pediatric Sickle Cell Disease patients.**  
YALÇINKAYA A., SAMADİ A., LAY İ., SABUNCUOĞLU S., ÜNAL S., ER ÖZTAŞ Y.  
ENOR 7th Symposium. Oxysterols and sterol derivatives in health and disease., Brüksel, Belgium, 21 - 22 September 2017
- VIII. **Koronar arter hastalığı tanısında iskemi modifiye albumin, 7-ketokolesterol ve kolestan 3 $\beta$ ,5 $\alpha$ ,6 $\beta$ -triol'ün rolü.**  
KELEŞ M. E., YALÇINKAYA A., ŞENER Y. Z., SAMADİ A., SEZGİN A., CANPOLAT U., LAY İ., DİKMEN Z. G.  
International Biochemistry Congress / 28th National Biochemistry Congress., Erzurum, Turkey, 19 - 23 September

2017

- IX. **Altered neopterin levels in sickle cell anemia**  
SABUNCUOĞLU S., GİRĞİN G., YALÇINKAYA A., ER ÖZTAŞ Y., ÜNAL S., BAYDAR T.  
36th International Winter Workshop, 21 - 24 February 2017
- X. **Sphingosine 1 phosphate levels in the plasma of sickle cell anemia patients**  
YALÇINKAYA A., Eser B., ÜNAL S., GÜL H., ER ÖZTAŞ Y.  
Gordon Research Conference-Glycolipid Sphingolipid Biology, 6 - 11 March 2016
- XI. **ANALYSIS OF POLAR AND NONPOLAR LIPIDS IN THE SERUM OF RATS EXPOSED TO LOCAL RADIATION AND OZONE TREATMENT**  
ÖZTAŞ E., Gümüş R., Erdoğan E., YALÇINKAYA A., ER ÖZTAŞ Y., Kutlu A., Ilgaz Y.  
5th European Lipidomic Meeting, 2 - 04 September 2015
- XII. **A REAPPRAISAL OF SMEDES METHOD FOR LIPID EXTRACTION IN CLINICAL SAMPLES**  
YALÇINKAYA A., ER ÖZTAŞ Y.  
5th European Lipidomic Meeting, 2 - 04 September 2015
- XIII. **Comparison of serum sphingosine 1 P levels among euthymic manic and depressive patients with bipolar disorders**  
ER ÖZTAŞ Y., YALÇINKAYA A., Serdar A., Eser B., SEMİZ M., Erdem M., GÜL H.  
International Ceramide Conference and Sphingolipid Club Joint Meeting, 6 - 10 May 2015
- XIV. **Bipolar bozukluğu olan ötimik manik ve depresif hastalarda serum protein oksidasyonunun karşılaştırılması**  
ER ÖZTAŞ Y., Serdar A., YALÇINKAYA A., BAL E. D., SEMİZ M., ERDEM M.
- XV. **Ulusal Klinik Biyokimya Kongresi, Muğla, Turkey, 23 - 26 April 2015**

## Supported Projects

ÇELTİKÇİ B., BALABAN H. Y., YALÇINKAYA A., BURUŞ A., RADGOHAR A., ÜÇDAL M. T., Project Supported by Higher Education Institutions, Otoimmün kolestatik karaciğer hastalıklarının patogenezinde otoinflatuar ve otoimmün mekanizmaların rolünün serum sitokin salınımı ve TLR 4-6 düzeyleri üzerinden değerlendirilmesi, 2022 - Continues

ER ÖZTAŞ Y., YALÇINKAYA A., BAL E. D., SABUNCUOĞLU S., ELDEM T., Project Supported by Higher Education Institutions, 2. Lipit Araştırmaları Çalıştayı, 2017 - 2017

ER ÖZTAŞ Y., SABUNCUOĞLU S., YALÇINKAYA A., GÜL H., ESER B., AKBIYIK F., LAY İ., ÜNAL S., Project Supported by Higher Education Institutions, Orak hücre hastalığında lipit metabolizmasındaki değişimlerin araştırılması ve hastalık patogeneziyle ilişkilendirilmesi, 2016 - 2017

ER ÖZTAŞ Y., ASLAN M., YALÇINKAYA A., Project Supported by Higher Education Institutions, LİPİT ARAŞTIRMALARI ÇALIŞTAYI, 2016 - 2016

SÜSLÜ A. E., YALÇINKAYA A., ER ÖZTAŞ Y., PAMUK A. E., Project Supported by Higher Education Institutions, OBSTRÜKTİF UYKU APNE SENDROMU OLAN HASTALARDA TOTAL APNE SÜRESİ VE APNE HİPOPNE ENDEKSİNİN SERUM SİTOKİN SEVİYELERİ VE SEMPTOM SKORLARI AÇISINDAN KARŞILAŞTIRILMASI, 2015 - 2016

## Scientific Refereeing

ACTA MEDICA, National Scientific Refreed Journal, April 2022

ACTA MEDICA, National Scientific Refreed Journal, December 2021

SCIENTIFIC REPORTS, SCI Journal, September 2021

ACTA MEDICA, National Scientific Refreed Journal, September 2021

ACTA MEDICA, National Scientific Refreed Journal, August 2021

ACTA MEDICA, National Scientific Refreed Journal, July 2021

ACTA MEDICA, National Scientific Refreed Journal, July 2021

Journal of Child Science, Other Journals, May 2021

ACTA MEDICA, National Scientific Refreed Journal, June 2019

ACTA MEDICA, National Scientific Refreed Journal, January 2018

## **Metrics**

Publication: 50

Citation (WoS): 109

Citation (Scopus): 121

H-Index (WoS): 6

H-Index (Scopus): 7

## **Non Academic Experience**

Technology Development Zone, Kriter Tibbi Akademik, Academic Consultancy

Hospital, Kahramankazan Devlet Hastanesi, Emergency Medicine

ANKARA KAZAN HAMDİ ERİŞ DEVLET HASTANESİ