

## Prof. Fehime AKSUNGAR

### Personal Information

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### Education Information

Post Graduate, Marmara University, School Of Medicine, Basic Medical Sciences, Turkey 1996 - 2001

Under Graduate, İstanbul University-Cerrahpaşa, Turkey 1987 - 1994

### Research Areas

Health Sciences

### Academic Titles / Tasks

Professor, Acibadem Mehmet Ali Aydınlar University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2012 - Continues

### Professional Experience

Öğretim Üyesi, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Basic Sciences, 2017 - Continues

### Jury Memberships

Associate Professor Exam, Associate Professor Exam, Acibadem Mehmet Ali Aydınlar Üniversitesi, March, 2019

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Association of maternal serum trace elements with newborn screening-thyroid stimulating hormone**  
UÇAL Y., Serdar M., Akin-Levi C., Yildirim-Keles Z. Z. , Turam C., Kumru P., Muhcu M., Eroglu M., AKSUNGAR F., ÖZPINAR A.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.45, pp.507-514, 2020 (Journal Indexed in SCI)
- II. **Institutional experience of newborn screening for inborn metabolism disorders by tandem MS in the Turkish population.**  
Aksungar F.  
Journal Of Pediatric Endocrinology & Metabolism, vol.33, pp.112-116, 2020 (Journal Indexed in SCI Expanded)
- III. **An Assessment of HbA1c in Diabetes Mellitus and Pre-diabetes Diagnosis: a Multi-centered Data**

### **Mining Study.**

Serdar M. A. , Serteser M., Uçal Y., Karpuzoglu H., Aksungar F., Coşkun A., Kilercik M., Ünsal İ., Özpınar A.  
Applied biochemistry and biotechnology, vol.190, pp.44-56, 2020 (Journal Indexed in SCI Expanded)

- IV. **Simplified Approach to Glutaric Acidurias: A Mini-Review**  
Aksungar F.  
Orphanet Journal Of Rare Diseases, vol.4, pp.66-70, 2019 (Journal Indexed in SSCI)
- V. **A Modified TBL Used in an Integrated Physiology and Biochemistry of Endocrine System Lectures**  
Sahiner M., AKSUNGAR F., ALTINTAŞ L.  
ACTA PHYSIOLOGICA, vol.225, pp.73, 2018 (Journal Indexed in SCI)
- VI. **Glutaric acidemia type II patient with thalassemia minor and novel electron transfer flavoprotein-A gene mutations: A case report and review of literature**  
Sara N. Y. , Aksungar F., Aktuglu-Zeybek C., Coskun J., Demirelce O., Serteser M.  
WORLD JOURNAL OF CLINICAL CASES, vol.6, pp.786-790, 2018 (Journal Indexed in SCI)
- VII. **Comparison of intermittent fasting versus caloric restriction in obese subjects: A two year follow-up**  
Aksungar F., Sarikaya M., Coskun A., Serteser M., Unsal I.  
JOURNAL OF NUTRITION HEALTH & AGING, vol.21, pp.681-685, 2017 (Journal Indexed in SCI)
- VIII. **Analysis of Changes in Parathyroid Hormone and 25 (OH) Vitamin D Levels with Respect to Age, Gender and Season: A Data Mining Study.**  
Serdar M. A. , Can B. B. , Kilercik M., Durer Z. A. , Aksungar F., SERTESER M., COŞKUN A., ÖZPINAR A., Unsal I.  
Journal of medical biochemistry, vol.36, pp.73-83, 2017 (Journal Indexed in SCI)
- IX. **HE4: really a novel biomarker for ovarian cancer?.**  
Yucel E., Ilter E., Aksungar F., Celik A., Peker B., Serifsoy E., Bozkurt S.  
European journal of gynaecological oncology, vol.38, pp.59-64, 2017 (Journal Indexed in SCI)
- X. **Cigarette Smoking Increases Pregnancy-associated Plasma Protein-A in Men**  
Coskun A., Bulut I., Serteser M., Eren A., Ozseker Z. F. , Cuhadaroglu Ç., Aksungar F., Ozpinar A., Can Ö., Yakar H., et al.  
WEST INDIAN MEDICAL JOURNAL, vol.66, pp.150-153, 2017 (Journal Indexed in SCI)
- XI. **A rare association: celiac disease and multiple myeloma in an asymptomatic young patient**  
Ongen B., Aksungar F., Tiftikci A., COŞKUN A., SERTESER M., Unsal I.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.41, pp.367-372, 2016 (Journal Indexed in SCI)
- XII. **Z transformation is the gold standard for computing the sigma metric.**  
COŞKUN A., SERTESER M., Serdar M. A. , Aksungar F., Kilercik M., Unsal I.  
Clinical biochemistry, vol.49, pp.732-733, 2016 (Journal Indexed in SCI)
- XIII. **Hepatitis C virus positive patient diagnosed after detection of atypical cryoglobulin**  
Ongen B., Aksungar F., Cicek B., Akyar I., Coskun A., Serteser M., Unsal I.  
WORLD JOURNAL OF CLINICAL CASES, vol.4, pp.81-87, 2016 (Journal Indexed in SCI)
- XIV. **A new approach to calculating the Sigma Metric in clinical laboratories**  
COŞKUN A., SERTESER M., Kilercik M., Aksungar F., Unsal I.  
ACCREDITATION AND QUALITY ASSURANCE, vol.20, pp.147-152, 2015 (Journal Indexed in SCI)
- XV. **A triclonal gammopathy in a relapsing multiple myeloma patient, detected by immunosubtraction method.**  
Aksungar F., Ayer M., Serteser M., Coskun A., Unsal I.  
Annals of clinical biochemistry, vol.51, pp.606-10, 2014 (Journal Indexed in SCI)
- XVI. **Voice and speech changes in various phases of menstrual cycle.**  
Çelik Ö., Çelik A., Ateşpare A., Boyacı Z., Çelebi S., Gündüz T., Aksungar F., Yelken K.  
Journal of voice : official journal of the Voice Foundation, vol.27, pp.622-6, 2013 (Journal Indexed in SCI)
- XVII. **A comparison between turbidimetric inhibition immunoassay and capillary electrophoresis in glycated hemoglobin (HbA1c) measurement.**  
Aksungar F., SERTESER M., COŞKUN A., Unsal I.  
Clinical chemistry and laboratory medicine, vol.51, 2013 (Journal Indexed in SCI)

- XVIII. **The protective effects of spirulina in cyclophosphamide induced nephrotoxicity and urotoxicity in rats.**  
Sinanoglu O, Yener A, Ekici S, Midi A, Aksungar F.  
Urology, vol.80, 2012 (Journal Indexed in SCI)
- XIX. **Comparison of Melatonin and Ozone in the Prevention of Reperfusion Injury Following Unilateral Testicular Torsion in Rats**  
Ekici S, Doan Ekici A. I. , Öztürk G, Benli Aksungar F, Sinanolu O, Turan G, Lüleci N.  
UROLOGY, vol.80, pp.899-906, 2012 (Journal Indexed in SCI)
- XX. **Melatonin with 1,25-dihydroxyvitamin D3 protects against apoptotic ischemia-reperfusion injury in the rat kidney.**  
Sinanoglu O, Sezgin G, Ozturk G, Tuncdemir M, Guney S, Aksungar F, Yener N.  
Renal failure, vol.34, pp.1021-6, 2012 (Journal Indexed in SCI)
- XXI. **Bronchial hyperreactivity and airway wall thickening in obstructive sleep apnea patients**  
Sariman N, Levent E, Cubuk R, Yurtlu S, Aksungar F.  
SLEEP AND BREATHING, vol.15, pp.341-350, 2011 (Journal Indexed in SCI)
- XXII. **Bone turnover and maternal 25(OH) vitamin D3 levels during pregnancy and the postpartum period: should routine vitamin D supplementation be increased in pregnant women?**  
Haliloglu B, Ilter E, Aksungar F, Celik A, Coksuer H, Gunduz T, Yucel E, Ozekici U.  
European journal of obstetrics, gynecology, and reproductive biology, vol.158, pp.24-7, 2011 (Journal Indexed in SCI)
- XXIII. **SUBCLINICAL DISSEMINATED INTRAVASCULAR COAGULATION IN A PATIENT WITH TYPE II FAMILIAL HYPERLIPIDEMIA AFTER OPEN HEART SURGERY**  
Es M. U. , Onar L. C. , Filizcan U, Erden B, Aydin A, Aksungar F, Arbatli H.  
INTERNATIONAL JOURNAL OF CARDIOLOGY, vol.147, 2011 (Journal Indexed in SCI)
- XXIV. **Negative correlation between D-dimer and homocysteine levels during pregnancy and the postpartum period: a prospective study.**  
Haliloglu B, Aksungar F, Celik A, Ilter E, Coksuer H, Ozekici U.  
European journal of obstetrics, gynecology, and reproductive biology, vol.153, pp.23-6, 2010 (Journal Indexed in SCI)
- XXV. **Relationship between bone mineral density, bone turnover markers and homocysteine, folate and vitamin B12 levels in postmenopausal women.**  
Haliloglu B, Aksungar F, Ilter E, Peker H, Akin F, Mutlu N, Ozekici U.  
Archives of gynecology and obstetrics, vol.281, pp.663-8, 2010 (Journal Indexed in SCI)
- XXVI. **Homocysteine levels and echocardiographic findings in obstructive sleep apnea syndrome.**  
Sariman N, Levent E, Aksungar F, Soylu A, Bektaş O.  
Respiration; international review of thoracic diseases, vol.79, pp.38-45, 2010 (Journal Indexed in SCI)
- XXVII. **Attenuated lactate response to ischemic exercise in migraine**  
Sahin S, Cinar N, Aksungar F, Ayalp S, Karsidag S.  
MEDICAL SCIENCE MONITOR, vol.16, 2010 (Journal Indexed in SCI)
- XXVIII. **The effect of vitamin C on ischemia reperfusion injury because of prolonged tourniquet application with reperfusion intervals.**  
Ulug B, Aksungar F, Mete O, Tekeli F, Mutlu N, Calik B.  
Annals of plastic surgery, vol.62, pp.194-9, 2009 (Journal Indexed in SCI)
- XXIX. **Serotonin dilemma in postmenopausal women: Is it low or high?**  
Haliloglu B, Aksungar F, Ilter E, Akin F. T. , Mutlu N, Peker H, Ozden S.  
MATURITAS, vol.60, pp.148-152, 2008 (Journal Indexed in SCI)
- XXX. **Coagulation status and biochemical and inflammatory markers in multiple sclerosis.**  
Aksungar F, Topkaya A, Yildiz Z, Sahin S, Turk U.  
Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia, vol.15, pp.393-7, 2008 (Journal Indexed in SCI)
- XXXI. **Is there any relationship between streptococcal infection and multiple sclerosis?**

Topkaya A., Sahin S., Aksungar F., Boru U., Yildiz Z., Sur H.

Medical science monitor : international medical journal of experimental and clinical research, vol.13, 2007 (Journal Indexed in SCI)

- XXXII. **Increased plasma homocysteine levels in multiple sclerosis.**  
Sahin S., Aksungar F., Topkaya A., Yildiz Z., Boru U., Ayalp S., Karsidag S.  
Multiple sclerosis (Houndmills, Basingstoke, England), vol.13, pp.945-6, 2007 (Journal Indexed in SCI)
- XXXIII. **An infectious mononucleosis case**  
Eren Topkaya A., Benli Aksungar F., Oezakkas F., Capan Akinci N.  
TURKIYE KLINIKLERI TIP BILIMLERI DERGISI, vol.27, pp.279-281, 2007 (Journal Indexed in SCI)
- XXXIV. **[A case of urinary tract infection caused by Flavimonas oryzihabitans].**  
Topkaya A., Ozakkaş F., Aksungar F., Tülbek Y.  
Mikrobiyoloji bulteni, vol.41, pp.133-7, 2007 (Journal Indexed in SCI)
- XXXV. **Interleukin-6, C-reactive protein and biochemical parameters during prolonged intermittent fasting.**  
Aksungar F., Topkaya A., Akyildiz M.  
Annals of nutrition & metabolism, vol.51, pp.88-95, 2007 (Journal Indexed in SCI)
- XXXVI. **Nitric oxide, endothelin-1, and superoxide production in arterial bypass grafts.**  
Aksungar F., Moini H., Unal M., Yilmaz O., Sonmez B., Bilsel S.  
Texas Heart Institute journal, vol.33, pp.294-9, 2006 (Journal Indexed in SCI)
- XXXVII. **[Agreement of urine culture results with whole urine analysis in patients with urinary tract infections].**  
Eren A., Aksungar F., Akşit S., Ozakkaş F., Saporta L.  
Mikrobiyoloji bulteni, vol.39, pp.409-10, 2005 (Journal Indexed in SCI Expanded)
- XXXVIII. **Effects of intermittent fasting on serum lipid levels, coagulation status and plasma homocysteine levels.**  
Aksungar F., Eren A., Ure S., Teskin O., Ates G.  
Annals of nutrition & metabolism, vol.49, pp.77-82, 2005 (Journal Indexed in SCI)
- XXXIX. **Endothelin-1-induced PMN infiltration and mucosal dysfunction in the rat small intestine.**  
Oktar B., Coşkun T., Bozkurt A., Yegen B., Yüksel M., Haklar G., Bilsel S., Aksungar F., Cetinel U., Granger D., et al.  
American journal of physiology. Gastrointestinal and liver physiology, vol.279, 2000 (Journal Indexed in SCI)
- XL. **17Beta-estradiol modulates endothelin-1 expression and release in human endothelial cells.**  
Bilsel A., Moini H., Tetik E., Aksungar F., Kaynak B., Ozer A.  
Cardiovascular research, vol.46, pp.579-84, 2000 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Effects of spirulina on cyclophosphamide-induced ovarian toxicity in rats: biochemical and histomorphometric evaluation of the ovary.**  
Yener N., Sinanoğlu O., Ilter E., Celik A., Sezgin G., Midi A., Deveci U., Aksungar F.  
Biochemistry research international, vol.2013, pp.764262, 2013 (Journal Indexed in ESCI)

## Books & Book Chapters

- I. **Tıbbi Laboratuvarlarda Santrifüj Kullanım Kılavuzu**  
AKSUNGAR F., ALBAYRAK N., AVCI E., AYKAL G., ÇOŞKUN C., ÇINAROĞLU İ., ÇOLAK A., YILMAZ DEMİRTAŞ C., EKER P., GÜÇEL F., et al.  
TÜRK BİYOKİMYA DERNEĞİ, Ankara, 2017

## Refereed Congress / Symposium Publications in Proceedings

- I. **The effects of prolonged fasting model on energy metabolism and mitochondrial functions in neuronal cells**  
Pak M., Aksungar F., Öz Arslan D., Pınarbaşı A., Bozkurt S., Kolay M.  
XXVII. BALKAN KLİNİK LABORATUVAR FEDERASYONU KONGRESİ BCLF 2019 XXX. TÜRK BİYOKİMYA DERNEĞİ ULUSAL BİYOKİMYA KONGRESİ TBD 2019, Antalya, Turkey, 27 - 31 October 2019, pp.94
- II. **Takıma Dayalı Öğrenme Programına Multidisipliner Bir Örnek: Endokrin Sistem Fizyoloji ve Biyokimyası**  
Şahiner A. M. , Aksungar F., Altıntaş L.  
Ulusal Tıp Eğitimi Kongresi 2018, İzmir, Turkey, 9 - 12 May 2018, vol.1, no.298210, pp.1-2
- III. **Age, gender and season dependent changes in parathyroid hormone and vitamin D3 levels: a data mining study**  
Serdar M. A. , Can B. B. , Kilercik M., Durer Z. A. , Aksungar F., Serteser M., Coskun A., Ozpinar A., Unsal I.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.86-87
- IV. **Applying multiple linear regression model to determine the relationship between anti mullerian hormone with age, luteinizing hormone, follicle stimulating hormone and estradiol: a data mining study**  
Olcaı I. O. , Serdar M. A. , Celik C., Durer Z., Kilercik M., Aksungar F., Coskun A., Serteser M., Ozpinar A., Unsal I.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.203
- V. **Diagnostic efficiency of glycosylated hemoglobin test in comparison to oral glucose tolerance test: a data mining study**  
Serteser M., Durer Z. A. , Serdar M. A. , Erdemgil Y., Aksungar F., Coskun A., Unsal I., Ozpinar A.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.184
- VI. **Newborn screening for congenital hypothyroidism in Turkey: a regional evaluation**  
Demirelce O., Saral N. Y. , Aksungar F., Coskun A., Serteser M., Unsal I.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.170
- VII. **Effects of androgen replacement therapy on cardiac risk markers**  
Aksit S., Aksungar F., Eroglu A., Topkaya A. E. , Saporta L.  
31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.213-214

## **Memberships / Tasks in Scientific Organizations**

Türk Biyokimya Derneği, Member, 2009 - Continues, Turkey

## **Scientific Refereeing**

EUROPEAN JOURNAL OF NUTRITION, SCI Journal, February 2019

## **Invited Congress and Symposium Activities**

Laboratory Accreditation and Quality Control Meeting (2 Konuşma), Invited Speaker, İstanbul, Turkey, 2019

• Klinik Biyokimya Uzmanları (KBUD) derneği kongresi , Invited Speaker, Yalova, Turkey, 2019

TBD- Protein Elektrofrezisi Toplantısı "Protein Elektrofrezinde Yeni teknikler ve Laboratuvar uygulamaları" isimli konuşma, Invited Speaker, Ankara, Turkey, 2019

Türk Klinik Biyokimya Derneđi (TKBD) Kongresi, Invited Speaker, Muđla, Turkey, 2019

Türk Biyokimya Derneđi (TBD) Kan Gazı Analizleri toplantısı, Invited Speaker, Ankara, Turkey, 2019

## **Citations**

Total Citations (WOS):457

h-index (WOS):13