

## Assoc. Prof. Sermin Algül

### Personal Information

Office Phone: [+90 432 444 5065](tel:+904324445065)

Email: [serminalgul@yyu.edu.tr](mailto:serminalgul@yyu.edu.tr)

Web: <https://avesis.yyu.edu.tr/serminalgul>

### International Researcher IDs

ORCID: 0000-0003-2489-3619

Yoksis Researcher ID: 120378

### Biography

Sermin Algul currently works at the Yuzuncu Yil University, Faculty of Medicine, Department of Physiology. Sermin does research in exercise physiology, endocrinology. Her primary scientific interest is exercise, metabolism, endocrinology, appetite and metabolic hormones, anaerobic threshold.

### Education

Doctorate, Firat University, Sağlık Bilimleri Enstitüsü Tıp Programı, Fizyoloji, Turkey 2011 - 2016

Postgraduate, Firat University, Fen Bilimleri, Zooloji, Turkey 2008 - 2010

Postgraduate, Inonu University, Fen Bilimleri, Biyoloji Öğretmenliği, Turkey 2003 - 2005

Undergraduate, Firat University, Faculty Of Science, Biyoloji, Turkey 1999 - 2003

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Education Management and Planning, Dil Okulu, EC Language School, 2019

### Dissertations

Doctorate, EGZERSİZ ZAMANININ VÜCUT METABOLİK, KARDİYOVASKÜLER, ENDOKRİN VE OKSİDAN-ANTİOKSİDAN SİSTEMLERİ ÜZERİNE OLAN ETKİLERİNİN ANTRENMANLI VE SEDANTERLERDE KARŞILAŞTIRMALI OLARAK İNCELENMESİ, Firat University, Sağlık Bilimleri Enstitüsü, Fizyoloji, 2016

Postgraduate, MAJÖR DEPRESİF HASTALARDA, TEDAVİ ÖNCESİ VE SONRASI NESFATİN-1, NİTRİK OKSİT VE GHRELİN DÜZEYLERİNİN ARAŞTIRILMASI, Firat University, Fen Bilimleri, Zooloji, 2010

### Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Human Physiology, Sport Physiology

## Academic Positions

Associate Professor, Van Yüzüncü Yil University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2020 - Continues  
Assistant Professor, Van Yüzüncü Yil University, Tıp Fakültesi, Temel Bilimleri, 2018 - 2020  
Assistant Professor, Van Yüzüncü Yil University, Tıp Fakültesi, Temel Bilimleri, 2016 - 2018  
Assistant Professor, 2016 - 2018

## Academic and Administrative Experience

Van Yüzüncü Yil University, Tıp Fakültesi, 2020 - Continues  
Van Yüzüncü Yil University, Tıp Fakültesi, 2020 - Continues  
Van Yüzüncü Yil University, Tıp Fakültesi, 2020 - Continues  
Van Yüzüncü Yil University, Tıp Fakültesi, Temel Tıp Bilimleri, 2018 - Continues  
Van Yüzüncü Yil University, Tıp Fakültesi, Temel Tıp Bilimleri, 2018 - Continues  
Van Yüzüncü Yil University, Van Yüü Rektörlüğü, 2018 - Continues  
Van Yüzüncü Yil University, Van Yüzüncü Yil Üniversitesi Sağlıkli Yaşam Ve Spor Bilimleri Araştırma Uygulama Merkez Müdürlüğü, 2018 - Continues  
Van Yüzüncü Yil University, Van Yüzüncü Yil Üniversitesi Sağlıkli Yaşam Ve Spor Bilimleri Araştırma Uygulama Merkez Müdürlüğü, 2018 - Continues

## Courses

### Undergraduate

Ağız Fizyolojisi, Undergraduate, 2016 - 2017  
Fizyoloji, Undergraduate, 2016 - 2017

## Jury Memberships

Doctorate, Doktora Tez Savunması, İnönü Üniversitesi Sağlık Bilimleri Enstitüsü (Tıp Programı), May, 2018  
Post Graduate, Yüksek Lisans Tez Savunma Jüri Üyeliği, Fırat Üniversitesi Fen Bilimleri Enstitüsü, January, 2018  
Post Graduate, Yüksek Lisans Tez Savunma Jüri Üyeliği, Fırat Üniversitesi Fen Bilimleri Enstitüsü, December, 2017  
Doctorate, Doktora Tez Savunma Sınavı Jüri Üyeliği, Fırat Üniversitesi Sağlık Bilimleri Enstitüsü, April, 2017  
Post Graduate, Yüksek Lisans Tez Savunması Jüri Üyeliği, Fırat Üniversitesi Sağlık Bilimleri Enstitüsü, March, 2017

## Journal articles indexed in SCI, SSCI, and AHCI

- I. **Comprehensive review of animal models in diabetes research using chemical agents**  
Algül S., Ozcelik O.  
Laboratory Animals, 2025 (SCI-Expanded)
- II. **Evaluating the impact of metabolic and cognitive stress on ghrelin and nesfatin-1 hormones in patients with diabetes and diabetic depression**  
Algül S., Ozcelik O.  
Stress and Health, vol.40, no.5, 2024 (SCI-Expanded)
- III. **Nucleosome assembly protein 1-like 1 (NAP1L1) in gastric cancer patients: a potential biomarker with diagnostic and prognostic utility**  
Gul G., Aydin M. A., Algül S., Kızıltan R., Kemik Ö.  
Biomarkers, vol.29, no.1, pp.30-35, 2024 (SCI-Expanded)
- IV. **The Effects of Curcumin Nanoparticles on an Experimental Diabetes Model: Reproductive Hormones,**

**Lipid Profile and Immunohistochemical and Immunofluorescence Markers Effekte von Curcumin Nanopartikeln in einem experimentellen Diabetesmodell: Fortpflanzungshormone, Lipidprofil, immunhistochemische Marker und Immunfluoreszenzmarker**

Belhan S., Huyut Z., YILDIRIM S., Algül S.

Wiener Tierärztliche Monatsschrift, vol.111, 2024 (SCI-Expanded)

- V. **Evaluating the energy regulatory hormones of nesfatin-1, irisin, adropin and preptin in multiple sclerosis.**  
Algul S., Ozcelik O.  
Multiple sclerosis and related disorders, vol.68, pp.104221, 2022 (SCI-Expanded)
- VI. **The outstanding beneficial roles of irisin disorders**  
Ilcin S., Algül S., Ozcelik O.  
ENDOKRYNOLOGIA POLSKA, vol.73, no.1, pp.149-156, 2022 (SCI-Expanded)
- VII. **Comparatively evaluating the effects of exercising at the anaerobic threshold on oxidative stress and serum levels of leptin, nesfatin-1 and irisin in sedentary male and females br**  
Ugras S., Algül S., Ozdenk C.  
PROGRESS IN NUTRITION, vol.24, no.1, 2022 (SCI-Expanded)
- VIII. **Response of Some Trace Elements to Soccer Match Performed Different Times of Day in Young Sedentary Male br**  
Algül S., Baltaci S. B., BENGÜ A. Ş., Ozcelik O.  
PROGRESS IN NUTRITION, vol.24, no.1, 2022 (SCI-Expanded)
- IX. **Effects of curcumin administration on Nesfatin-1 levels in blood, brain and fat tissues of diabetic rats**  
Algül S., Ozcelik O., Oto G., Sarikaya M., Goceroglu R., Embiyaoğlu N. M., Caf F., Öner S., Akcan A. G.  
EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES, vol.25, no.3, pp.1616-1621, 2021 (SCI-Expanded)
- X. **Evaluation of Aerobic Exercise Induced Metabolic Stress on Serum Asprosin Levels: Comparison of Fitness Status**  
Algül S., Deniz G., Alp H. H., Ugras S., Ozcelik O.  
Progress in Nutrition, vol.23, no.4, 2021 (SCI-Expanded)
- XI. **Effects of exercise on ghrelin**  
Algul S., Elcin S., Ozcelik O.  
PROGRESS IN NUTRITION, vol.23, no.3, 2021 (SCI-Expanded)
- XII. **Nucleosome assembly protein 1-like 1 (NAP1L1) in colon cancer patients: a potential biomarker with diagnostic and prognostic utility.**  
Aydin M. A., Gul G., Kiziltan R., Algul S., Kemik O.  
European review for medical and pharmacological sciences, vol.24, no.20, pp.10512-10517, 2020 (SCI-Expanded)
- XIII. **Effects of curcumin on sperm quality, lipid profile, antioxidant activity and histopathological changes in streptozotocin-induced diabetes in rats**  
Belhan S., YILDIRIM S., Huyut Z., Özdek U., Oto G., Algül S.  
ANDROLOGIA, vol.52, no.6, 2020 (SCI-Expanded)
- XIV. **The beneficial effect of electro acupuncture on obesity may be associated with irisin, nesfatin-l and preptin levels**  
ercan z., Deniz G., Caf F., Algül S., Gazioğlu A., Kavaklı A.  
ACUPUNCTURE & ELECTRO-THERAPEUTICS RESEARCH, vol.44, no.2, pp.105-118, 2019 (SCI-Expanded)
- XV. **Effects of morning and nocturnal soccer matches on levels of some trace elements in young trained males.**  
Algul S., BENGU A., BALTACI S., OZCELIK O.  
Cellular and molecular biology (Noisy-le-Grand, France), vol.65, pp.32-36, 2019 (SCI-Expanded)
- XVI. **Evaluation of ghrelin, nesfatin-1 and irisin levels of serum and brain after acute or chronic pentylenetetrazole administrations in rats using sodium valproate**  
Erkeç Ö. E., Algül S., Kara M.

- NEUROLOGICAL RESEARCH, vol.40, pp.923-929, 2018 (SCI-Expanded)
- XVII. **Evaluation of total antioxidant status, total oxidant status and oxidative stress index of some economically important plants from Turkey**  
CAF F., KILIÇ Ö., Algül S.  
PROGRESS IN NUTRITION, vol.20, pp.145-152, 2018 (SCI-Expanded)
- XVIII. **Evaluating the Levels of Nesfatin-1 and Ghrelin Hormones in Patients with Moderate and Severe Major Depressive Disorders.**  
Algul S., OZCELIK O.  
Psychiatry investigation, vol.15, pp.214-218, 2018 (SCI-Expanded)
- XIX. **Nesfatin-1 and irisin levels in response to the soccer matches performed in morning, afternoon and at night in young trained male subjects**  
ÖZÇELİK O., Algül S., Yilmaz B.  
CELLULAR AND MOLECULAR BIOLOGY, vol.64, no.10, pp.130-133, 2018 (SCI-Expanded)
- XX. **The Correlation between the Differences in NUCB2/Nesfatin(NES) Peptide Levels and Body Weight, Length and Gender in Alburnus tarichi**  
Caf F., Köprücü S., Algül S., Koyun M., Atıcı A. A.  
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.18, pp.127-130, 2018 (SCI-Expanded)
- XXI. **Effects of Training Status on Ventilatory Efficiency During Incremental Exercise Test**  
Ozdenk C., Algül S., ÖZÇELİK O.  
ACTA PHYSIOLOGICA, vol.221, pp.101, 2017 (SCI-Expanded)
- XXII. **Determination of Substrate Utilisation Rate and Amounts During Low and Moderate Intensity Constant Load Exercise Test**  
Algül S., ÖZÇELİK O.  
ACTA PHYSIOLOGICA, vol.221, pp.101, 2017 (SCI-Expanded)
- XXIII. **Determination of the Relationships Between Anaerobic Threshold and O<sub>2</sub> Pulse During Constant Load and Incremental Exercise Tests**  
ÖZÇELİK O., Algül S.  
ACTA PHYSIOLOGICA, vol.221, pp.32, 2017 (SCI-Expanded)
- XXIV. **Investigation of the irisin, preptin and adropin levels in the blood serum of Alburnus tarichi**  
Caf F., Algul S., Koyun M.  
CELLULAR AND MOLECULAR BIOLOGY, vol.63, no.8, pp.95-99, 2017 (SCI-Expanded)
- XXV. **Variations in leptin, nesfatin-1 and irisin levels induced by aerobic exercise in young trained and untrained male subjects**  
Algül S., Ozdenk C., ÖZÇELİK O.  
BIOLOGY OF SPORT, vol.34, no.4, pp.339-344, 2017 (SCI-Expanded)
- XXVI. **Serum nesfatin-1 levels in patients with different glucose tolerance levels.**  
Algul S., OZKAN Y., OZCELIK O.  
Physiological research, vol.65, pp.979-985, 2016 (SCI-Expanded)
- XXVII. **Influence of Exercise Intensity on Ventilation During Constant Load Exercise Test in Sedentary Male Subjects**  
Ugur F. A., Algül S., ÖZÇELİK O.  
ACTA PHYSIOLOGICA, vol.218, pp.40, 2016 (SCI-Expanded)
- XXVIII. **Individual Variation of Leptin, Nesfatin-1 and Irisin Levels During Aerobic Exercise Performed Morning and Night in Trained and Untrained Male Subjects**  
Algül S., ÖZÇELİK O.  
ACTA PHYSIOLOGICA, vol.218, pp.12, 2016 (SCI-Expanded)

## Articles Published in Other Journals

1. **Uncovering nesfatin-1 and irisin hormones in schizophrenia and psychosis patients: A comparative**

## investigation

Dinçer E., Algül S., Ozcelik O.

Biomarkers in Neuropsychiatry, vol.11, 2024 (Scopus)

- II. **The Utility of Serum Vasorin Levels as a Novel Potential Biomarker for Early Detection of Colon Cancer**  
Aydin M., Kızıltan R., Algül S., Kemik Ö.  
CUREUS JOURNAL OF MEDICAL SCIENCE, vol.14, no.1, 2022 (ESCI)
- III. **Evaluation of Effects of Hydration and Dehydration Status On Body Composition Analysis Using Bioelectrical Impedance Method**  
Algül S., Özçelik O.  
Eastern Journal of Medicine, vol.27, no.2, pp.258-263, 2022 (Scopus)
- IV. **Investigation of Irisin Level in Brucella Patients**  
Algül S., Uğraş S., Ekici P.  
EASTERN JOURNAL OF MEDİCİNE, vol.26, no.1, pp.135-138, 2021 (Scopus)
- V. **Investigation of Irisin Level in Brucella Patients**  
Algül S., Şenol F., Uğraş S., Ermer F., Kara M., Tanrıtanır Ekici P., Özçelik O.  
Eastern Journal of Medicine, vol.26, no.1, pp.129-132, 2021 (Scopus)
- VI. **Görgişen G., Ecer Y., Arslan A., Algül S., Oto G., Kaya Z.**  
Ortadoğu Tıp Dergisi, vol.12, no.2, pp.306-312, 2020 (Peer-Reviewed Journal)
- VII. **Effects of Aerobic Exercise Induced Metabolic and Cardiac Stress on Irisin Levels in Trained Subjects**  
Ugras S., Algül S.  
BOZOK TIP DERGİSİ, vol.10, no.1, pp.186-189, 2020 (Peer-Reviewed Journal)
- VIII. **Effects of acute aerobic exercise on NADPH oxidase levels in trained male subjects**  
Algül S., Arihan O., Ozcelik O.  
Eastern Journal of Medicine, vol.23, no.3, pp.177-181, 2018 (Scopus)
- IX. **Comparative evaluation of MDA levels during aerobic exercise in young trained and sedentary male subjects**  
Algül S., Ugras S., Kara M.  
Eastern Journal of Medicine, vol.23, no.2, pp.98-101, 2018 (Scopus)
- X. **Günün farklı zamanlarında yapılan futbol maçlarında oksidan-antioksidan dengenin incelenmesi**  
Algül S., Ozcelik O.  
GENEL TIP DERGİSİ, vol.27, no.4, pp.129-135, 2017 (Peer-Reviewed Journal)
- XI. **Examining Nesfatin-1 and Ghrelin Hormone in Severity of Depression**  
Algül S., Erkeç Ö. E., Kara M., Kara B., Özçelik O.  
Van Tıp Dergisi, vol.24, no.3, pp.141-145, 2017 (Peer-Reviewed Journal)
- XII. **Examining Nesfatin-1 and Ghrelin Hormone in Severity of Depression**  
Algül S., Erkeç Ö. E., Kara M., Kara B., Özçelik O.  
Van Medical Journal, vol.24, no.3, pp.141-145, 2017 (Peer-Reviewed Journal)
- XIII. **Examining Nesfatin-1 and Ghrelin Hormone in Severity of Depression**  
Algül S., Erkeç Ö. E., Kara M., Kara B., Özçelik O.  
VAN TIP DERGİSİ, vol.24, no.3, pp.141-145, 2017 (Peer-Reviewed Journal)
- XIV. **Sabah ve gece yapılan aerobik egzersizin antrenmanlı deneklerde serum irisin düzeyine etkilerinin belirlenmesi**  
Özçelik O., Algül S., Deniz M., Baydaş F., Tan F.  
GENEL TIP DERGİSİ, vol.27, no.1, pp.1-5, 2017 (Peer-Reviewed Journal)
- XV. **Akut Egzersizin Sedanter Deneklerde Kreatin Kinaz, Kreatin Kinaz-Miyokard İzoenzimi Seviyesi Üzerine Olan Etkisinin İncelenmesi**  
Algül S., Özçelik O.  
FIRAT ÜNİVERSİTESİ SAĞLIK BİLİMLERİ TIP DERGİSİ, vol.30, no.2, pp.51-55, 2016 (Peer-Reviewed Journal)
- XVI. **Akut Aerobik Egzersizin Nesfatin-1 Üzerine Etkilerinin Belirlenmesi**  
Algül S., Özçelik O.

- FIRAT ÜNİVERSİTESİ SAĞLIK BİLİMLERİ TIP DERGİSİ, vol.30, pp.5-8, 2016 (Peer-Reviewed Journal)
- XVII. **The Work Rate Divided to Heart Rate Ratio during an Incremental Exercise Test is an Effective Method for Estimation of Anaerobic Threshold**  
Algül S.  
FIRAT ÜNİVERSİTESİ SAĞLIK BİLİMLERİ TIP DERGİSİ, vol.29, no.3, pp.117-121, 2015 (Peer-Reviewed Journal)
- XVIII. **Psikiyatrik Hastalıklar ve Nesfatin-1**  
Algül S.  
International Journal of Human Sciences, vol.42, no.1, pp.1397-1407, 2015 (Peer-Reviewed Journal)
- XIX. **Majör Depresif Hastalarda Kısa ve Uzun Dönem İlaç Tedavisinin Etkinliği ile Nesfatin-1, Ghrelin ve Nitrik Oksit Seviyesi Arasındaki İlişkinin Belirlenmesi**  
Algül S.  
FIRAT ÜNİVERSİTESİ SAĞLIK BİLİMLERİ TIP DERGİSİ, vol.28, no.3, pp.105-109, 2014 (Peer-Reviewed Journal)
- XX. **İnsanlarda Sabit Yük Egzersiz Testi Sırasında Anaerobik Eşik ile Substrat Kullanımı Arasındaki İlişkinin Belirlenmesi**  
Algül S.  
FIRAT ÜNİVERSİTESİ SAĞLIK BİLİMLERİ TIP DERGİSİ, vol.27, no.2, pp.63-67, 2013 (Peer-Reviewed Journal)
- XXI. **The Effect of Short-Term Antidepressant Treatment on Serum Levels of Nesfatin-1, Nitric Oxide and Ghrelin in Patients with Major Depressive Disorder**  
Algül S.  
FIRAT ÜNİVERSİTESİ SAĞLIK BİLİMLERİ TIP DERGİSİ, vol.26, no.3, pp.143-148, 2012 (Peer-Reviewed Journal)
- XXII. **Obezite Tedavisi İçin Umut Verici Yeni Bir Peptid: Nesfatin-1**  
Algül S.  
FIRAT ÜNİVERSİTESİ SAĞLIK BİLİMLERİ TIP DERGİSİ, vol.26, no.3, pp.143-0, 2012 (Peer-Reviewed Journal)

## **Papers Presented at Peer-Reviewed Scientific Conferences**

- I. **Effects of Low, Moderate and High Intensity Constant Load Exercise on Carbohydrate Oxidation in Male Subjects**  
Ugras S., Algül S., Özçelik O.  
V. International Congress on Natural and Health Sciences, Adana, Turkey, 13 - 15 December 2019, pp.377, (Full Text)
- II. **Effects of Aerobic Exercise on Cardiometabolic and Antioxidant Balance in Sedentary Subjects**  
Algül S., Ugras S., Özçelik O.  
V. International Congress on Natural and Health Sciences, Adana, Turkey, 13 - 15 December 2019, pp.371, (Full Text)
- III. **Evaluation of Heart Rate Work Rate Break Point and Anaerobic Threshold Estimation During Exercise in Young Male**  
Algül S., Ugras S.  
IV. INSAC International Health and Sport Sciences Congress, Konya, Turkey, 11 - 13 October 2019, pp.58, (Full Text)
- IV. **Effects of Aerobic Exercise on Plasma Iron Levels in Trained Male subjects**  
Algül S., Ugras S.  
IV. INSAC International Health and Sport Sciences Congress, Konya, Turkey, 11 - 13 October 2019, pp.53, (Full Text)
- V. **Sağlıklı Erkek Bireylerde Bakır ve Çinko Düzeyinde Egzersiz İndüklü Metabolik Stresin Etkisi**  
Algül S., Ozcelik O.  
4. International Symposium on Health and Spor Sciences, Antalya, Turkey, 3 - 05 May 2018, pp.1, (Summary Text)
- VI. **EFFECTS OF AEROBIC EXERCISE PERFORMED ON DIFFERENT TIME OF DAYS ON GLUTATHIONE LEVELS**  
Ozcelik O., Ozdenk C., Algül S.

International Conference on Research in Education and Science, Muğla, Turkey, 28 April - 01 May 2018, pp.1,  
(Summary Text)

- VII. **THE RELATIONSHIPS BETWEEN THE RATIO OF CO<sub>2</sub> OUTPUT TO HEART RATE AND AEROBIC FITNESS LEVELS IN HEALTHY YOUNG MALE DURING AN INCREMENTAL EXERCISE TEST**  
Algül S., Ozcelik O.  
International Conference on Research in Education and Science, Muğla, Turkey, 28 April - 01 May 2018, pp.1,  
(Summary Text)
- VIII. **Effects of Aerobic Exercise Induced Metabolic Stress on Irisin Levels in Trained Male Subjects**  
Algül S., Ozcelik O.  
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey,  
26 - 27 April 2018, pp.1, (Summary Text)
- IX. **Comparatively evaluation of aerobic exercise on ADMA levels in trained and sedentary male subjects**  
Algül S., Ozcelik O.  
International Conference on Sports for All and Wellness, Antalya, Turkey, 5 - 08 April 2018, pp.1, (Summary Text)
- X. **Effects of Acute Aerobic Exercise Performed in Morning and at Night on NADPH Oxidase Levels in Trained Male Subjects**  
Algül S., Ozcelik O.  
International Conference on Sports for All and Wellness, Antalya, Turkey, 5 - 08 April 2018, pp.1, (Summary Text)
- XI. **Effects of Low, Moderate and High intensity Constant Load Exercise on Carbohydrate Oxidation in Male Subjects**  
Algül S., Ugras S.  
International Conference on Sports for All and Wellness, Antalya, Turkey, 5 - 08 April 2018, pp.1, (Summary Text)
- XII. **Presence of Nucleobindin-2/Nesfatin in *Cyprinus carpio* (Linnaeus, 1758), *Cyprinion macrostomus* (Heckel, 1843)**  
Caf F., Algül S., Köprücü S.  
International Advanced Researches and Engineering Congress 2017, Osmaniye, Turkey, 16 - 18 November 2017,  
pp.2217, (Summary Text)
- XIII. **Investigation of the Adropin Levels in Serum of *Cyprinion macrostomus*, *Mastacembelus mastacembelus*, *Oncahorynchus myciss*, *Cyprinus carpio***  
Köprücü S., Caf F., Algül S.  
International Advanced Researches and Engineering Congress 2017, Osmaniye, Turkey, 16 - 18 November 2017,  
pp.2216, (Summary Text)
- XIV. **Comparatively Examining of Preptin Levels in *Cyprinus carpio*, *Cyprinion macrostomus*, *Mastacembelus mastacembelus*, *Oncahorynchus myciss***  
Köprücü S., Algül S., Caf F.  
International Advanced Researches and Engineering Congress 2017, Osmaniye, Turkey, 16 - 18 November 2017,  
pp.2219, (Summary Text)
- XV. **Association of Circulating Irisin Levels with Feeding Habit in *Mastacembelus: mastacembelus* and *Cyprinion macrostomus***  
Algül S., Caf F., Köprücü S.  
International Advanced Researches and Engineering Congress 2017, Osmaniye, Turkey, 16 - 18 November 2017,  
pp.2218, (Summary Text)
- XVI. **The Correlation between the differences in NUCB2/Nestafin (NES) peptide levels and body weight length and gender in *Alburnus tarichii***  
Caf F., Algül S., Köprücü S.  
2nd Internadonal Mediterranean science and Engineering Co00ngress?(IMSEC2017), Adana, Turkey, 25 - 27  
October 2017, pp.605, (Summary Text)
- XVII. **Normal ve Obez Ratlarda Akupunkturun Nesfatin-1 ile İlişkisinin İncelenmesi**  
Ercan Z., Deniz G., Caf F., Algül S., Gazioğlu A., Kavaklı A.  
5. Akupunktur ve Tamamlayıcı Tıp Sempozyumu, Ankara, Turkey, 6 - 08 October 2017, pp.64, (Summary Text)
- XVIII. **Comparatively Determination of Ventilatory Efficiency from Constant Load and Incremental Exercise**

## Tests

Algül S., Ozcelik O., Uğur F. A., Ayar A.

FEPS 2017 Vienna Congress, Viyana, Austria, 13 - 15 September 2017, vol.221, no.713, pp.146, (Full Text)

- XIX. **The Impact of Physical Exercise Performed at Different Times of Day on Serum Nesfatin-1 and Irisin Levels in Trained and Untrained Young Male Subjects**  
Ozcelik O., Algül S., Yılmaz B.  
FEPS 2017 Vienna Congress, Viyana, Austria, 13 - 15 September 2017, vol.221, no.713, pp.148, (Full Text)
- XX. **Artan yüke karşı yapılan ve sabit yük egzersiz testi sırasında O2 pulse ve anaerobik eşik arasındaki ilişkinin belirlenmesi**  
Özçelik O., Algül S.  
43. Ulusal Fizyoloji Kongresi, Denizli, Turkey, 7 - 10 September 2017, pp.32, (Summary Text)
- XXI. **Düşük ve orta yoğunluklu sabit yük egzersiz testleri sırasında substrat kullanım oranı ve miktarının belirlenmesi**  
Algül S., Özçelik O.  
43. Ulusal Fizyoloji Kongresi, Denizli, Turkey, 7 - 10 September 2017, pp.101, (Full Text)
- XXII. **Antrenman durumunun egzersiz testi sırasında solunum etkinliği üzerine etkileri**  
Ozdenk C., Algül S., Özçelik O.  
43. Ulusal Fizyoloji Kongresi, Denizli, Turkey, 7 - 10 September 2017, pp.101, (Full Text)
- XXIII. **Orta ve Şiddetli Majör Depresif Hastalarda Nesfatin-1 ve Ghrelin Hormonlarının Değerlendirilmesi,**  
Algül S., Özçelik O.  
TBD Biyokimya Günleri – Sivas 2016, Sivas, Turkey, 2 November - 05 December 2016, vol., (Summary Text)
- XXIV. **Comparatively analyzing of the ghrelin levels in the Capoeta trutta (Heckel, 1843) and Cyprinus carpio (Linnaeus, 1758)**  
Algül S., Köprücü S.  
INTERNATIONAL CONFERENCE ON BIOLOGICAL SCIENCES (ICBS) Konya, TURKEY | October 21-23, 2016, Konya, Turkey, 21 - 23 October 2016, vol., (Full Text)
- XXV. **Individual Variation of Leptin, Nesfatin-1 and Irisin Levels During Aerobic Exercise Performed Morning and Night in Trained and Untrained Male Subjects**  
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42. Ulusal Fizyoloji Kongresi, Düzce, Turkey, 5 - 08 September 2016, vol.218, no.709, pp.12, (Full Text)
- XXVI. **Influence of Exercise Intensity on Ventilation During Constant Load Exercise Test in Sedentary Male Subjects**  
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42. Ulusal Fizyoloji Kongresi, Düzce, Turkey, 5 - 08 September 2016, vol.218, no.709, pp.40, (Full Text)
- XXVII. **Impact of physical activity performed on different times of day on cardiac and skeletal muscle damage in trained and untrained male subjects**  
Algul S., Kara M., Ozcelik O.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.379-380, (Summary Text)
- XXVIII. **The effects of anaerobic threshold on V-E/VCO2 and V-E/VO2 during incremental exercise and constant load exercise test.**  
Algül S.  
The Joint Meeting of the Federation of European Physiological Societies and the Baltic Physiological Societies in Kaunas, Lithuania, August 26-29, 2015., Kaunas, Lithuania, 26 - 29 August 2015, vol.215, pp.83, (Full Text)
- XXIX. **Effects of exercise time of the day on oxidant and antioxidant capacity in sedentary and trained subjects.**  
Algül S.  
The Joint Meeting of the Federation of European Physiological Societies and the Baltic Physiological Societies in Kaunas, Lithuania, August 26-29, 2015., Kaunas, Lithuania, 26 - 29 August 2015, vol.215, pp.93, (Full Text)
- XXX. **Irisin level in response to the patients with metabolic impairments**  
Algül S.

- Joint Meeting of the Federation of European Physiological Societies (FEPS) and the Hungarian Physiological Society 27-30 August Budapest, Hungary, Budapeşte, Hungary, 27 - 30 August 2014, vol.211, pp.137, (Full Text)
- XXXI. **Effectiveness of Constant Load Exercise Test on Critical Power Output Estimation in Sedentary Male Subjects**  
Serhatlıoğlu İ., Algül S., Yılmaz B., Özçelik O.  
Joint Meeting of the Federation of European Physiological Societies (FEPS) and the Hungarian Physiological Society, Budapeşte, Hungary, 27 - 30 August 2014, pp.1, (Summary Text)
- XXXII. **Nesfatin-1 levels in response to the patients with different glucose tolerance levels**  
Algül S.  
Joint Meeting of the Federation of European Physiological Societies (FEPS) and the Hungarian Physiological Society 27-30 August Budapest, Hungary, Budapeşte, Hungary, 27 - 30 August 2014, vol.211, pp.136-137, (Full Text)
- XXXIII. **Major Depresif Bozukluğu Olan Hastalarda Kısa ve Uzun Dönem Farmakoterapinin Nesfatin-1, Ghrelin ve Nitrik Oksit Seviyesi Üzerine Olan Etkisinin Belirlenmesi**  
Algül S., Kara B., Özçelik O.  
TÜRK FİZYOLOJİK BİLİMLER DERNEĞİ 38. ULUSAL FİZYOLOJİ KONGRESİ, Trabzon, Turkey, 25 - 29 September 2012, pp.76, (Summary Text)
- XXXIV. **Effects of Three Months Venlafaxine Treatment on Nesfatin-1, Nitric Oxide and Ghrelin Levels in Patient with Major Depressive Disorders**  
Algül S., Özçelik O., Erman F., Kara B., Kara M., Erman O.  
TURKISH - FEPS PHYSIOLOGY CONGRESS, İstanbul, Turkey, 3 - 07 September 2011, pp.1, (Summary Text)

## Funded Projects

- Kızıltan R., Algül S., ÖZALP İ., Project Supported by Higher Education Institutions, Obezite Cerrahisi Planlanan Hastalarda Preoperatif ve Postoperatif Serum İrisin ve Nesfatin-1 Düzeylerinin Karşılaştırılması, 2022 - 2023
- Algül S., AKMAN Z., Project Supported by Higher Education Institutions, Sıçanlarda Fiziksel Stres, Psikolojik Stres ve Depresyonun Nesfatin-1, Adrenokortikotropik Hormon, Dopamin, Serotonin ve Noradrenalin (Norepinefrin) Düzeylerine Olan Etkilerinin Araştırılması, 2021 - 2023
- Algül S., ÖZÇELİK O., Oto G., Temelli Göçeroğlu R., CAF F., KAYA B., Project Supported by Higher Education Institutions, Sıçanlarda STZ İle İndüklenmiş Diyabet Modelinde Mgkurkumin nanopartikülünün Nesfatin1 Leptin Ghrelin ve İrisin Düzeyi ile Bazı Biyokimyasal Parametreler Üzerine Olan Etkisinin Araştırılması, 2021 - 2023
- Algül S., AKCAN G., Project Supported by Higher Education Institutions, Sıçanlarda STZ İle İndüklenmiş Diyabet Modelinde Kurkumin ve Epigallokateşinin Nesfatin1 Düzeyi Üzerine Olan Etkisinin Araştırılması, 2019 - 2020
- Algül S., ÖZÇELİK O., KAPAN O., Project Supported by Higher Education Institutions, Multiple Skleroz Hastalarında İrisin, Nesfatin-1, Adropin ve Preptin Düzeylerinin İncelenmesi, 2018 - 2019
- Algül S., Kara M., ÖZÇELİK O., ESMER F., Ekici P., Project Supported by Higher Education Institutions, İnsan Brusellozis Hastalarında Preptin Adropin İrisin ve Nesfatin1 Hormonlarının Düzeyinin Belirlenmesi, 2018 - 2019
- Karaman E., Alkış İ., Andiç E., Kulusarı A., Şahin H. G., Gül A., Algül S., Project Supported by Higher Education Institutions, İntrauterin gelişme geriliği olan gebelerde kordon kanı Nesfatin-1 ve İrisin değerleri ile fetal doppler parametrelerinin ilişkisinin araştırılması, 2018 - 2018
- Algül S., Project Supported by Higher Education Institutions, Sağlıklı Genç Erkek Bireylerde Artan Yüke Karşı Yapılan Egzersiz Testi Sırasında Aerobik Fitnes Düzeyi ile Kalp Atım Hızının CO2 Atılım Oranı Arasındaki İlişki, 2018 - 2018
- Erkeç Ö. E., Algül S., Kara M., Project Supported by Higher Education Institutions, Ratlarda akut ve kronik PTZ uygulamasının serum Ghrelin Nesfatin1 ve İrisin düzeyleri üzerine etkileri, 2017 - 2017

## Activities in Scientific Journals

Van Tıp Dergisi, Advisory Committee Member, 2016 - Continues

## **Memberships and Roles in Scientific Organizations**

Türk Fizyolojik Bilimler Derneği, Member, 2011 - Continues

## **Peer Reviews in Scientific Publications**

Heliyon, National Scientific Refreed Journal, May 2019

Cellular and Molecular Biology, National Scientific Refreed Journal, May 2019

Heliyon, National Scientific Refreed Journal, May 2019

Archives Physiology and Biochemsitry, National Scientific Refreed Journal, May 2019

Heliyon, National Scientific Refreed Journal, April 2019

Heliyon, National Scientific Refreed Journal, April 2019

Psychoneuroendocrinology, SCI Journal, July 2018

Cellular and Molecular Biology, SCI Journal, July 2018

Eastern Journal of Medicine, National Scientific Refreed Journal, February 2018

Journal of Education and Training Studies, National Scientific Refreed Journal, February 2018

Journal of Education and Training Studies, National Scientific Refreed Journal, February 2018

Cellular and Molecular Biology, SCI Journal, January 2018

Cellular and Molecular Biology, SCI Journal, October 2017

Fırat Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, September 2017

Cellular and Molecular Biology, SCI Journal, May 2017

Cellular and Molecular Biology, SCI Journal, April 2017

Cellular and Molecular Biology, SCI Journal, March 2017

Cellular and Molecular Biology, SCI Journal, February 2017

Cellular and Molecular Biology, Journal Indexed in SSCI, October 2016

Nobel Medicus, Other Indexed Journal, August 2016

## **Scientific Project Refereeing**

Project Supported by Higher Education Institutions, October 2017

## **Metrics**

Publication: 84

Citation (WoS): 47

Citation (Scopus): 65

H-Index (WoS): 4

H-Index (Scopus): 4

## **Awards**

Algül S., Yayın Teşvik Ödülü, TÜBİTAK, February 2018

Algül S., Yayın Teşvik Ödülü, TÜBİTAK, April 2015

## **Non Academic Experience**

YÜKSEKÖĞRETİM KURULU BAŞKANLIĞI, Biyolog