



# CENK AYDIN

## MD

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### International Researcher IDs

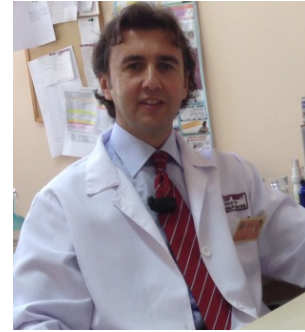
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Publons / Web Of Science ResearcherID: A-5612-2018

ScopusID: 7005426982

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## Learning Knowledge

Doctorate  
1993 - 1997

Bursa Uludağ University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Fizyoloji (Dr)  
(Veteriner), Turkey

Undergraduate  
1988 - 1993

Bursa Uludağ University, VETERİNER FAKÜLTESİ, Veteriner Pr., Turkey

## Certificates, Courses and Trainings

Occupational Health and Safety, Heart Saver CPR AED, CPR Consultants, American Heart Association, 2011

Foreign Language, Oral Communication for Non-Native Speakers, Wake Technical Community College, North Carolina, USA, 2011

IT, Foreign Service Institute U.S. Department of State, Cybersecurity Awareness Version 3.3.EPA.1 , United States

Environmental Protection Agency, The National Health and Environmental Effects Research Laboratory, 2010

Vocational Training, AALAS (American Association for Laboratory Animal Science), Pain Recognition and Alleviation in laboratory Animals, United States Environmental Protection Agency, The National Health and Environmental Effects Research Laboratory, 2010

Vocational Training, AALAS (American Association for Laboratory Animal Science), Aseptic Technique for Rodent Survival Surgery, United States Environmental Protection Agency, The National Health and Environmental Effects Research Laboratory, 2010

Vocational Training, AALAS (American Association for Laboratory Animal Science), Introduction to Rats, United States Environmental Protection Agency, The National Health and Environmental Effects Research Laboratory, 2010

Vocational Training, AALAS (American Association for Laboratory Animal Science), Laboratory Animal Allergy, United States Environmental Protection Agency, The National Health and Environmental Effects Research Laboratory, 2010

Vocational Training, AALAS (American Association for Laboratory Animal Science), Post-Procedure Care of Mice and

rats in Research: Minimizing pain and Distress, United States Environmental Protection Agency, The National Health and Environmental Effects Research Laboratory, 2010  
Vocational Training, Akreditasyon ve ISO 17025 Standartı Eğitimi Semineri, Bursa Uludağ Üniversitesi, 2007  
Quality Management, General requirements for the competence of testing and calibration laboratories , TURKISH STANDARD, 2005  
Vocational Course, Course on Laboratory Animal Science, FELESA requirements (Level C) , Universiteit Utrecht, 2000  
Vocational Training, Physiology of digestion in ruminants, Stara Zagora Trakya Üniversitesi, 1996

## Dissertations

Doctorate, Dişi ve erkek sığırlarda mevsimsel bazı plazma ve şekilli element değerleri üzerinde bir araştırma, Bursa Uludağ University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Fizyoloji (Dr) (Veteriner), 1997

## Academic Titles / Tasks

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Professor 2009 - Continues	Bursa Uludağ University, VETERİNER FAKÜLTESİ, VETERİNER HEKİMLİĞİ TEMEL BİLİMLER BÖL.
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## Supported Projects

1. Özkul T., Yendim S. K., Seyidoğlu N., Güneş N., Polat Ü., Aydın C., Project Supported by Higher Education Institutions, At insan arasındaki etkileşimin, atlı dayanıklılık yarışmalarında kullanılan atların Performansına olan etkisinin incelenmesi. Uludağ Üniversitesi Bilimsel Araştırma Projesi, KUAP(V) 2016/6, 2016 - 2018
2. Aydın C., Özkul T., Seyidoğlu N., Project Supported by Higher Education Institutions, İnsan Hayvan Bağının Köpeklerde Eksternal Telemetri Sistemi ile Bazı Fizyolojik Parametreleri ve Davranış Üzerine Etkilerinin İncelenmesi, OUAP(V)-2016/8, 2016 - 2018
3. Gordon C. J., Aydın C., Project Supported by Public Organizations in Other Countries, The role of an active versus sedentary lifestyle on the susceptibility to air pollution, 2014 - 2017
4. AYDIN C., ÖZKUL T., Project Supported by Higher Education Institutions, İnsan Hayvan Bağının Yavru Köpeklerin Fizyolojik ve Davranışsal Parametrelerine Etkilerinin İncelenmesi, 2014 - 2016
5. Gordon C. J., Aydın C., Project Supported by Public Organizations in Other Countries, Growth organ development and body composition in mice housed in cages permitting behavioral thermoregulation, 2013 - 2016
6. Gordon C. J., Aydın C., Project Supported by Public Organizations in Other Countries, Impact of Thermal Stress on Allergy Induction in Mice, 2012 - 2015
7. Gordon C. J., Johnstone A., Aydın C., Project Supported by Public Organizations in Other Countries, Effect of aging on respiratory response to ozone in Brown Norway rats, 2011 - 2013
8. Gordon C. J., Aydın C., Project Supported by Public Organizations in Other Countries, Restraint induced hypertension in the rat : Development model to study prenatal chemically induced changes in blood pressure regulation, 2011 - 2013
9. Gordon C., Aydın C., Project Supported by Public Organizations in Other Countries, Assesment of body composition in four strains of the rats, 2010 - 2013
10. Gordon C. J., Johnstone A., Aydın C., Project Supported by Public Organizations in Other Countries, Effect of aging on the toxicological response to carbaryl in the Brown Norway rats, 2011 - 2012
11. Şahan Ü., İpek A., Aydın C., Yılmaz Dikmen B., Project Supported by Higher Education Institutions, Yüksek Rakımda Kuluçkalandırılan Yumurtalara Oksijen İlavasının Kronik Hypoxia Kuluçka ve Hematolojik Parametreler ile Çıkım Sonrası Broiler Performansı ve Ascites Sendromu Üzerine Etkileri, 2008 - 2010
12. Yalçın M., Aydın C., TUBITAK Project, The role of the phospholipase A2 and arachidonic acid in central

cardiovascular regulation in rats 106V116, 2005 - 2007

13. Aydın C., Sahin S. K., İnce E., Project Supported by Higher Education Institutions, Uzun Süreli Kalori Kısıtlaması Uygulanılan Ratlarda Farklı Şiddetlerde Yaptırılan Yüzme Egzersizlerinin Bazı Dokulardaki Oksidatif Hasar Antioksidan Enzim Aktivitelere ve Elektrolit Dengesi Üzerine Etkileri, 2003 - 2005
14. Yaman K., Cengiz F., Yakar N., Aydın C., Türkmen İ. İ., Project Supported by Higher Education Institutions, Farklı Yemlerle Beslenen Koyunlarda Rumen Sıvısı ve Mikrobiyel Protein Sentezinin İncelenmesi , 1998 - 2000
15. Yaman K., Aydın C., Project Supported by Higher Education Institutions, Seasonal changes in some plasma and formed element values in cattle, 1996 - 1997

## Awards

1. Mette S., Pamela P., Desinia ., Robert M., Allen L., Urmila K., Andrew J., Kimberly J., Christopher G., Donald D., et al., 2017 Scientific and Technological Achievement Awards (STAA), United States Environmental Protection Agency, June 2017
2. Aydın C., Takdir Belgesi, Genel Kurmay Başkanlığı Gülhane Askeri Tıp Akademisi Komutanlığı, June 1999

## Scholarships

2219 YURT DIŐI DOKTORA SONRASI ARAŐTIRMA BURS PROGRAMI, TUBITAK, 2011 - 2012

A Laboratory Animals Ltd Bursary to Attend University of Utrecht Course on Laboratory Animal Science, Other International Organizations, 2000 - 2000

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

1. **Dietary intake of *Spirulina platensis* alters HSP70 gene expression profiles in the brain of rats in an experimental model of mixed stress**  
Ardıclı S., Seyidođlu N., Koseli E., Gurbanlı R., Aydın C.  
JOURNAL OF GENETICS, vol.2022, no.101, pp.1-11, 2022 (SCI-Expanded)
2. **The influence of phytogetic additive on the antioxidant capacity, immunity and liver functions in stress-induced male rats**  
Koseli E., Seyidođlu N., Gurbanlı R., AYDIN C.  
Journal of the Hellenic Veterinary Medical Society, vol.73, no.3, pp.4449-4458, 2022 (SCI-Expanded)
3. **The preventive role of *Spirulina platensis* (*Arthrospira platensis*) in immune and oxidative insults in a stress-induced rat model**  
SEYİDOĐLU N., Koseli E., Gurbanlı R., AYDIN C.  
JOURNAL OF VETERINARY RESEARCH, vol.65, no.2, pp.193-200, 2021 (SCI-Expanded)
4. **Role of essential oils in antioxidant capacity and immunity in a rat model of mixed stress**  
Seyidođlu N., Koseli E., Gurbanlı R., AYDIN C.  
SOUTH AFRICAN JOURNAL OF ANIMAL SCIENCE, vol.51, no.4, pp.426-436, 2021 (SCI-Expanded)
5. **Pulmonary sensitivity to ozone exposure in sedentary versus chronically trained, female rats**  
Gordon C. J., Phillips P. M., Beasley T. E., Ledbetter A., AYDIN C., Snow S. J., Kodavanti U. P., Johnstone A. F.  
INHALATION TOXICOLOGY, vol.28, no.7, pp.293-302, 2016 (SCI-Expanded)
6. **Caloric restriction in lean and obese strains of laboratory rat: effects on body composition, metabolism, growth and overall health.**  
Aydın C., Jarema K. A., Phillips P. M., Gordon C. J.  
Experimental physiology, vol.100, no.11, pp.1280-97, 2015 (SCI-Expanded)
7. **Behaviorally mediated, warm adaptation: A physiological strategy when mice behaviorally thermoregulate**

Gordon C. J., AYDIN C., Repasky E. A., Kokolus K. M., Dheyongera G., Johnstone A. F. M.

JOURNAL OF THERMAL BIOLOGY, vol.44, pp.41-46, 2014 (SCI-Expanded)

**8. Thermal Stress and Toxicity**

Gordon C. J., Johnstone A. F. M., AYDIN C.

COMPREHENSIVE PHYSIOLOGY, vol.4, no.3, pp.995-1016, 2014 (SCI-Expanded)

**9. Episodic ozone exposure in adult and senescent Brown Norway rats: acute and delayed effect on heart rate, core temperature and motor activity.**

Gordon C. J., Johnstone A. F., Aydin C., Phillips P. M., MacPhail R. C., Kodavanti U. P., Ledbetter A. D., Jarema K. A.

Inhalation toxicology, vol.26, no.7, pp.380-90, 2014 (SCI-Expanded)

**10. Effect of oxygen supplementation in a hatchery at high altitude and growth performance of broilers reared at low altitude**

Yilmaz-Dikmen B., Sahan U., Ipek A., Aydin C., Kederli E.

SOUTH AFRICAN JOURNAL OF ANIMAL SCIENCE, vol.44, no.4, 2014 (SCI-Expanded)

**11. Thermoregulatory deficits in adult Long Evans rat exposed perinatally to the antithyroidal drug, propylthiouracil**

Johnstone A. F. M., Gilbert M. E., Aydin C., Grace C. E., Hasegawa M., Gordon C. J.

NEUROTOXICOLOGY AND TERATOLOGY, vol.39, pp.1-8, 2013 (SCI-Expanded)

**12. The mediation of the central histaminergic system in the pressor effect of intracerebroventricularly injected melittin, a phospholipase A2 activator, in normotensive rats**

Altinbas B., Topuz B. B., Yilmaz M. S., AYDIN C., SAVCI V., Jochem J., AYDIN C., YALÇIN M.

Prostaglandins Leukotrienes and Essential Fatty Acids, vol.87, pp.153-158, 2012 (SCI-Expanded)

**13. Effect of physical restraint on the limits of thermoregulation in telemetered rats**

AYDIN C., Grace C. E., Gordon C. J.

EXPERIMENTAL PHYSIOLOGY, vol.96, no.11, pp.1218-1227, 2011 (SCI-Expanded)

**14. The role of the central arachidonic acid-thromboxane A(2) cascade in cardiovascular regulation during hemorrhagic shock in rats**

YALÇIN M., AYDIN C.

PROSTAGLANDINS LEUKOTRIENES AND ESSENTIAL FATTY ACIDS, vol.85, no.2, pp.61-66, 2011 (SCI-Expanded)

**15. Comparison of conventional and organic management conditions on growth performance, carcass characteristics and haematological parameters in Karacabey Merino and Kivircik breeds**

Soysal D., ÇIBIK R., AYDIN C., AK İ.

TROPICAL ANIMAL HEALTH AND PRODUCTION, vol.43, no.4, pp.817-823, 2011 (SCI-Expanded)

**16. Effect of oxygen supplementation in the hatcher at high altitude on the incubation results of broiler eggs laid at low altitude**

Sahan U., Ipek A., Yilmaz-Dikmen B., Aydin C., Kederli E.

BRITISH POULTRY SCIENCE, vol.52, no.3, pp.388-394, 2011 (SCI-Expanded)

**17. THE INFLUENCE OF DIFFERENT LIGHTING PROGRAMS, STOCKING DENSITIES AND LITTER AMOUNTS ON THE WELFARE AND PRODUCTIVITY TRAITS OF A COMMERCIAL BROILER LINE**

PETEK M., ÇIBIK R., YILDIZ H., Sonat F. A., Gezen S. S., ORMAN A., AYDIN C.

VETERINARIJA IR ZOOTEHNIKA, vol.51, no.73, pp.36-43, 2010 (SCI-Expanded)

**18. Cardiovascular effect of peripheral injected melittin in normotensive conscious rats: Mediation of the central cholinergic system**

YALÇIN M., AYDIN C., SAVCI V.

PROSTAGLANDINS LEUKOTRIENES AND ESSENTIAL FATTY ACIDS, vol.81, pp.341-347, 2009 (SCI-Expanded)

**19. CARDIOVASCULAR EFFECTS OF CENTRALLY ADMINISTERED ARACHIDONIC ACID IN HAEMORRHAGE-INDUCED HYPOTENSIVE RATS: INVESTIGATION OF A PERIPHERAL MECHANISM**

YALÇIN M., AYDIN C.

CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND PHYSIOLOGY, vol.36, no.4, pp.447-453, 2009 (SCI-Expanded)

**20. Occurrence of Metazoan Parasites of the Mirror Carp (Cyprinus carpio L. 1758) in a Fish Farm, Uluabat, Bursa, Turkey**

- AYDOĞDU A., Selver M., AYDIN C.  
PAKISTAN JOURNAL OF ZOOLOGY, vol.41, no.4, pp.322-326, 2009 (SCI-Expanded)
21. **Long term dietary restriction ameliorates swimming exercise-induced oxidative stress in brain and lung of middle-aged rat**  
Aydin C., Sonat F., Sahin Ş., Cangul İ. T., Özkaya G.  
INDIAN JOURNAL OF EXPERIMENTAL BIOLOGY, vol.47, no.1, pp.24-31, 2009 (SCI-Expanded)
22. **Effect of recessive colour mutation on haematological characteristics of Japanese quail (*Coturnix coturnix japonica*)**  
Aydin C., Petek M., Cibik R.  
ARCHIV FÜR GEFLUGELKUNDE, vol.72, no.4, pp.164-167, 2008 (SCI-Expanded)
23. **Peripheral mechanisms involved in the pressor and bradycardic effects of centrally administered arachidonic acid**  
AYDIN C., YALÇIN M.  
PROSTAGLANDINS LEUKOTRIENES AND ESSENTIAL FATTY ACIDS, vol.78, no.6, pp.361-368, 2008 (SCI-Expanded)
24. **Erythrocyte potassium, sodium and GSH concentrations of Saanen and Turkish hair breeds of goats**  
AYDIN C., Dogrutekin D., UDUM D., Cetin M.  
PAKISTAN JOURNAL OF ZOOLOGY, vol.40, no.3, pp.193-197, 2008 (SCI-Expanded)
25. **Erythrocyte potassium, sodium and glutathione concentrations and their relationship with reproduction, body weight and fleece weight traits in Awassi sheep**  
GÜNEŞ N., AYDIN C., Udum C. D., DİKMEN S., Ozmen O.  
ARCHIV FÜR TIERZUCHT-ARCHIVES OF ANIMAL BREEDING, vol.51, no.5, pp.479-486, 2008 (SCI-Expanded)
26. **Protective effects of long term dietary restriction on swimming exercise-induced oxidative stress in the liver, heart and kidney of rat**  
Aydin C., Ince E., Koparan Ş., Cangul İ. T., Naziroglu M., Ak F.  
CELL BIOCHEMISTRY AND FUNCTION, vol.25, no.2, pp.129-137, 2007 (SCI-Expanded)
27. **Effects of oxygen supplementation on embryonic survival, haematological parameters and plasma glucose level of broiler chicks**  
Altan O., Sahan Ü., Ipek A., Aydin C., Bayraktar H.  
ARCHIV FÜR GEFLUGELKUNDE, vol.70, no.2, pp.64-68, 2006 (SCI-Expanded)
28. **Effect of supplemental yeast culture on blood parameters**  
Galip N., Aydin C., Turkmen I., Yalcin M., Biricik H.  
INDIAN VETERINARY JOURNAL, vol.81, no.11, pp.1235-1238, 2004 (SCI-Expanded)
29. **Effect of dietary protein levels on some haematological and production parameters of breeding ostriches**  
Aydin C., Ak İ., Galip N., Zaugg S.  
INDIAN VETERINARY JOURNAL, vol.81, no.3, pp.294-298, 2004 (SCI-Expanded)
30. **[Comparison of primary colonic anastomosis and colostomy in experimental localized fecal peritonitis].**  
Kayaalp C., Balkan M., Aydin C., Oner K.  
Ulusal travma ve acil cerrahi dergisi = Turkish journal of trauma & emergency surgery : TJTES, vol.9, pp.160-2, 2003 (SCI-Expanded)
31. **Effect of *Saccharomyces cerevisiae* live yeast culture on ruminal metabolites and protozoa in male Kivircik yearlings fed a high forage and concentrate diet**  
Aydin C., Galip N., Yaman K., Cengiz F., Turkmen I., Biricik H.  
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.27, no.6, pp.1433-1440, 2003 (SCI-Expanded)
32. **Letter to the editor [2] (multiple letters)**  
Palacios-Ruiz J. A., Ramírez-Solís M. E., Cárdenas-Mejía A., Maravilla P., Flisser A., Kayaalp C., Akoglu M., Balkan M., Ozgurtas T., Oner K., et al.  
World Journal of Surgery, vol.26, no.11, pp.1398-1399, 2002 (SCI-Expanded)
33. **The effects of dry period and various lactation stages on some blood parameters in Holstein cows in the Bursa region**

Galip N., Aydin C., Polat U.

TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.26, no.3, pp.645-649, 2002 (SCI-Expanded)

34. **Hypertonic saline in hydatid disease**

KAYAALP C., Balkan M., Aydin C., Ozgurtas T., Tanyuksel M., Kirimlioglu V., Akoglu M., Oner K., Pekcan M.

WORLD JOURNAL OF SURGERY, vol.25, no.8, pp.975-979, 2001 (SCI-Expanded)

## Articles Published in Other Journals

1. **Investigating the relationship between heart rate changes and the human-animal bond: Insights from an external telemetry system**  
Seyidođlu N., Koseli E., Aydın C.  
Journal of Istanbul Veterinary Sciences, vol.7, no.3, pp.138-147, 2023 (Scopus)
2. **The effects of Spirulina (Arthrospira) platensis on morphological and hematological parameters evoked by social stress in male rats.**  
SEYİDOĐLU N., Gurbanlı R., Köşeli E., CENGİZ F., AYDIN C.  
Journal of Istanbul Veterinary Sciences, vol.3, no.1, pp.21-27, 2019 (Peer-Reviewed Journal)
3. **Thermoregulatory, cardiovascular, and metabolic responses to mild caloric restriction in the Brown Norway rat.**  
Aydin C., Gordon C. J.  
Physiological reports, vol.1, 2013 (Scopus)
4. **Effect of partial hepatic ischemia reperfusion injury on erythrocytes and plasma electrolyte balance some serum biochemical parameters and liver cell histology in rats**  
AYDIN C., KENNERMAN E., YAKAR N., YALÇIN M., KAYAALP C.  
Journal of research in veterinary medicine (Online), vol.23, no.1, pp.77-82, 2004 (Peer-Reviewed Journal)
5. **Bursa Bölgesinde Yetiştirilen Devekuşlarına (Struthio camelus) Ait Bazı Serum Biyokimyasal Değerleri ve Hematolojik Parametreler**  
POLAT Ü., AYDIN C., AK İ.  
Uludağ Üniversitesi Veteriner Fakültesi Dergisi, no.20, pp.65-70, 2001 (Peer-Reviewed Journal)
6. **The effect of Saccharomyces cerevisiae on rumen protozoa sodium potassium and total volatile fatty acid of rumen fluid in dairy cattle**  
AYDIN C., BİRİCİK H., YAKAR N., TÜRKMEN İ. İ.  
Journal of research in veterinary medicine (Online), vol.19, pp.29-35, 2000 (Peer-Reviewed Journal)
7. **The effect of different protein fat levels and various kinds of oil on some blood parameters and live weight of rainbow trouts Oncorhynchus Mykiss**  
YAKAR N., Yaman K., CENGİZ F., AYDIN C., Bilgüven M.  
Journal of research in veterinary medicine (Online), vol.18, pp.137-148, 1999 (Peer-Reviewed Journal)
8. **Some blood parameters in rainbow trouts Oncorhynchus Mykiss fed with different levels of vitamin E added rations**  
CENGİZ F., AYDIN C., YAKAR N., Bilgüven M., Yaman K.  
Journal of research in veterinary medicine (Online), vol.18, pp.29-36, 1999 (Peer-Reviewed Journal)
9. **Studies on some blood values of Karayaka yearlings**  
AYDIN C., CENGİZ F., YAKAR N., Yaman K.  
Journal of research in veterinary medicine (Online), vol.18, pp.57-67, 1999 (Peer-Reviewed Journal)
10. **The effects of yeast culture Saccharomyces cerevisiae on some blood parameters and milk production in dairy cows**  
YAKAR N., AYDIN C., Yaman K., BİRİCİK H., TÜRKMEN İ. İ.  
Journal of research in veterinary medicine (Online), vol.18, pp.109-118, 1999 (Peer-Reviewed Journal)
11. **A study on some seasonal plasma and formed element values in female and male cattle**  
AYDIN C., CENGİZ F.  
Journal of research in veterinary medicine (Online), vol.18, no.3, pp.1-13, 1999 (Peer-Reviewed Journal)

12. **Determination of erythrocyte sodium and potassium levels of various animal species**  
MERT N., Gündüz H., AYDIN C.  
ISTANBUL UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.24, no.1, pp.207-211, 1998 (Peer-Reviewed Journal)
13. **The effect of feeding with different concentrate feed on some blood parameters and live weight gain in Merino lambs**  
YAKAR N., Yaman K., CENGİZ F., AK İ., AYDIN C.  
Journal of research in veterinary medicine (Online), vol.16, pp.109-117, 1997 (Peer-Reviewed Journal)
14. **Some ruminal fluid values of Merino rams given flavomycin**  
CENGİZ F., AYDIN C., TÜRKMEN İ. İ., Yavuz M.  
Journal of research in veterinary medicine (Online), vol.16, pp.67-74, 1997 (Peer-Reviewed Journal)
15. **Some blood parameters and oestradiol values in Holstein cattle**  
YAKAR N., CENGİZ F., AYDIN C., Yaman K.  
Journal of research in veterinary medicine (Online), vol.15, pp.85-92, 1996 (Peer-Reviewed Journal)
16. **Hematological studies on turkeys fed with rations added different amounts of sodium bicarbonate.**  
CENGİZ F., ŞAHAN Ü., AYDIN C.  
The Journal of the Faculty of Agricultural, University of Uludag, vol.11, pp.175-181, 1995 (Peer-Reviewed Journal)
17. **Yaman K, Cengiz F, Garip N and Aydin C (1995). A study on some plasma and corpuscular values of dancing bears. , 14 (1-2-3): 51-56.**  
Yaman K., CENGİZ F., GALİP N., AYDIN C.  
The Journal of the Faculty of Veterinary Medicine, University of Uludag, vol.14, pp.51-56, 1995 (Peer-Reviewed Journal)
18. **A study on some blood parameters of dancing bears. The Journal of the Faculty of Veterinary Medicine, University of Uludag**  
Yaman K., AYDIN C., CENGİZ F., GALİP N.  
The Journal of the Faculty of Veterinary Medicine, University of Uludag, vol.14, pp.47-50, 1995 (Peer-Reviewed Journal)

## Books & Book Chapters

1. **Assessment of Horse-Human Interaction with New Technologies**  
AYDIN C., SEYİDOĞLU N.  
in: Equine Science - Applications and Implications of New Technologies, Juan Carlos Gardón Poggi, Katy Satué Ambrojo, Editor, IntechOpen, London, pp.5-10, 2023
2. **Is There Still Room to Improve Medicinal Herbs (Functional Herbs) by Gene Editing for Health?**  
SEYİDOĞLU N., AYDIN C.  
in: Current Topics in Functional Food, Naofumi Shiomi, Anna Savitskaya, Editor, IntechOpen, London, pp.71-85, 2022
3. **Hayvan Davranışları**  
Seyidoğlu N., Aydın C., Köşeli E., Cengiz F.  
Dora Yayıncılık Ltd. Şti., Bursa, 2021
4. **Natural Antioxidants to the Rescue?**  
AYDIN C., SEYİDOĞLU N.  
in: Antioxidants Benefits, Sources, Mechanism of Action, Viduranga Waisundara, Editor, IntechOpen, London, pp.117-136, 2021
5. **Saccharomyces: Is a Necessary Organism or a Biological Warrior?**  
SEYİDOĞLU N., AYDIN C.  
in: Saccharomyces, Basso Thalita Peixoto, Basso Luiz Carlos, Editor, IntechOpen, London, pp.59-70, 2021
6. **Stress, Natural Antioxidants and Future Perspectives**  
SEYİDOĞLU N., AYDIN C.

- in: The Health Benefits of Foods - Current Knowledge and Further Development, Salanta Liana Claudia, Editor, IntechOpen, London, pp.149-165, 2020
7. **Special Anti-Stress Antioxidant Plants**  
SEYİDOĞLU N., AYDIN C.  
in: In: Trends in Landscape, Agriculture, Forest and Natural Science, Murat Zencirkiran, Editor, Cambridge Scholars Publishing, pp.370-384, 2019
  8. **Natural Additives for Animal Nutrtioun: Special Plants**  
SEYİDOĞLU N., AYDIN C.  
in: Recent Researches in Science and Landscape Management, Efe Recep, Zencirkiran Murat, Curebal İsa, Editor, Cambridge Scholars Publishing, pp.370-384, 2018
  9. **A Prominent Superfood: Spirulina platensis**  
Seyidođlu N., İnan S., Aydın C.  
in: Superfood and Functional Food : The Development of Superfoods and Their Roles as Medicine, Naofumi Shiomi, Viduranga Waisundara, Editor, InTechOpen, Rijeka, pp.1-29, 2017
  10. **Özel Dolaşım Bölgeleri**  
AYDIN C.  
in: Dukes Veteriner Fizyoloji, Yıldız Sedat, Editor, Medipress, Ankara, pp.1-18, 2008
  11. **Devekuslarının Fizyolojisi**  
Aydın C.  
in: Devekuşu Üretimi, İbrahim AK, Editor, FİKRET ÖZSAN MATBAACILIK - F. ÖZSAN MATBAACILIK SAN. VE TİC.LTD.ŞTİ., Bursa, pp.15-35, 2004
  12. **Laboratuvar hayvanlarının biyolojisi**  
AYDIN C.  
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8. International Congress on Veterinary and Animal Science (ICVAS 2023) online, Turkey, 20 - 21 October 2023, pp.71-77
2. **Can Nutrition Impact Gene Regulations Under Stress Conditions?**  
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3. **Effects of essential oils as natural additives on serum irisin, hepcidin and protein levels in a rat model of mixed stress**  
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10. **Body composition changes in sedentary and exercise trained rats**  
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11. **At İnsan Arasındaki Etkileşimin, Atlı Dayanıklılık Yarışmalarında Kullanılan Atların Performansına Olan Etkisinin İncelenmesi**  
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12. **İnsan Hayvan Etkileşiminin Davranışsal ve Fizyolojik Değerlendirilmesinde Eksternal Telemetri Yöntemi**  
SEYİDOĐLU N., AYDIN C., ÖZKUL T.  
V. Ulusal Veteriner Hekimliği Tarihi ve Mesleki Etik Sempozyumu, Bursa, Turkey, 25 - 27 May 2016, vol.1, pp.69
13. **Caloric restriction in lean and obese strains of laboratory rat**  
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14. **An Animal Model of Active (Act) Versus Sedentary (Sed) Lifestyle and Susceptibility to Air Pollution: Response to Ozone (O3) in Female Sprague-Dawley Rats Allowed to Train Chronically On Running Wheels**  
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15. **Self heat acclimation: A physiological strategy when mice are allowed to behaviorally thermoregulate**  
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2015 International Conference on Biological Engineering and Natural Sciences, Singapore, 19 - 21 January 2015
16. **Exacerbation of Toxicity of Air Pollutants and Pesticides by Thermal Stress.**  
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17. **Uludağ Üniversitesi Veteriner Fakültesi Fizyoloji ABD Laboratuvarı**  
SONAT F., SEYİDOĐLU N., YALÇIN M., GALİP N., Altınbaş B., AYDIN C., CENGİZ F., Yılmaz G., Güvenç G., Erkan L. G.  
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## of Young and Aged Rats

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52 st Annual Meeting ToxExpo™, Teksas, United States Of America, 10 - 14 March 2013

20. **EFFECT OF PHYSICAL RESTRAINT ON THE LIMITS OF THERMOREGULATION IN TELEMETERED RATS**  
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21. **Aging and episodic ozone exposure in Brown Norway rats: Effects on heart rate, core temperature, pulmonary function, and expression of serum biomarkers.**  
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51 st Annual Meeting ToxExpo™, San-Francisco, Costa Rica, 11 - 15 March 2012
22. **Long-term effects of prenatal atrazine exposure on physiology, body composition, and stress reactivity in rats.**  
Curtis G., AYDIN C., Johnstone A., Gordon C. J., Rogers J.  
51 st Annual Meeting ToxExpo™, San-Francisco, Costa Rica, 11 - 15 March 2012
23. **Global climate change and toxicology: Exacerbation of toxicity of pollutants by thermal stress**  
Gordon C. J., AYDIN C., Johnstone A.  
51th Annual Meeting and Tox Expo, San-Francisco, Costa Rica, 11 - 15 March 2012
24. **Diyetteki yağ ve kolesterolün sistemik amiloid a amiloidozis oluşumu üzerine etkisi**  
Alasonyalılar Demirel A., Mısırlıoğlu D., Tanrıverdi M., Özyiğit M. Ö., Güzel S., Aydın C., Budak F.  
IV. Ulusal Veteriner Patoloji Kongresi, Ankara, Turkey, 29 October - 02 November 2008
25. **Sodium bicarbonate and yeast culture effect on blood parameters and growth performance indices in lambs**  
GALİP N., AYDIN C., TÜRKMEN İ. İ., BİRİCİK H., Zaugg S. N., Bozan B., SONAT F.  
III. Veterinary Days of Justus Liebig and Uludag Universities, 14 - 15 April 2008
26. **Merkezi olarak enjekte edilen araşidonik asidin kardiyovasküler etkileri ve etkide periferik mekanizmaların aracılığı**  
Aydın C., Yalçın M.  
4. Ulusal Küçük Hayvan Hekimliği Kongresi, Uluslararası katılımlı, Bursa, Turkey, 24 - 27 April 2008, pp.1-10
27. **Periferik enjekte edilen Mellittinin kardiyovasküler etkileri ve etkide merkezi kolinerjik sistemin aracılığı**  
Aydın C., Yalçın M.  
4. Ulusal Küçük Hayvan Hekimliği Kongresi, Uluslararası katılımlı, Bursa, Turkey, 24 - 27 April 2008, pp.11-20
28. **Sıçanda yüzme egzersizi ile oluşturulan oksidatif stres ve antioksidan statü üzerine diyet kısıtlamasının yararlı etkileri**  
AYDIN C., SONAT F., CANGÜL İ. T.  
1. İyon Kanalları ve Oksidatif Stres Kongresi, Turkey, 14 - 16 September 2006
29. **Uluabat (Apolyont) Balık Çiftliği Aynalı Sazan (Cyprinus carpio L. 1758)' larının Ektoparazitleri Üzerine Bir Araştırma**  
AYDOĞDU A., SELVER M., AYDIN C.  
XIV. Ulusal Parazitoloji Kongresi, Turkey, 18 - 25 September 2005
30. **Uzun süreli diyet kısıtlaması uygulanan sıçanlarda, egzersizin farklı dokulardaki lipid peroksidasyon ve protein oksidasyon düzeyleri üzerine etkis**  
AYDIN C., SONAT F., ŞAHİN Ş., İNCE E., ÖZGÜRTAŞ T.  
30. Ulusal Fizyoloji Kongresi, Turkey, 31 August - 03 September 2004
31. **Bursa bölgesi koşullarında yetiştirilen devekuşlarına ait bazı biyokimyasal ve hematolojik parametreler**  
POLAT Ü., AYDIN C., AK İ.  
1. Ulusal Veteriner Biyokimya ve Klinik Biyokimya KONGresi, Turkey, 21 - 22 June 2003
32. **Effect of Different Protein Levels in Ostrich Rations on Some Hematological Parameters.**  
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33. **Ratlarda yara örtücülerin yara iyileşmesine etkisi**  
OKUMUŞ Z., AYDIN C., Sağlam Y., İde T.  
8. Ulusal Veteriner Cerrahi kongresi, Turkey, 3 - 06 July 2002
34. **Can hypertonic saline be used as a scoloidal agent for irrigation of intraabdominal perforation of hydatid diseases?**  
KAYAALP C., BALKAN M., AYDIN C., Pekcan M.  
20. International Congress of Hydatidology, Turkey, 4 - 08 June 2001
35. **Sevoflurane ile genel anestezinin kardiyopulmoner etkileri**  
OKUMUŞ Z., İde T., AYDIN C., Serdar M.  
7. Ulusal Veteriner Cerrahi Kongresi, Turkey, 25 - 28 October 2000
36. **Ratlarda hepatik parsiyal iskemi reperfüzyon hasarının değerlendirilmesi**  
AYDIN C., YAKAR N., KAYAALP C., KENNERMAN E., YALÇIN M., Bilgili H.  
18. Cevher Nesibe Tıp günleri, 3. Deneysel ve Klinik Araştırmalar Kongresi ve Workshop, Turkey, 18 - 20 May 2000, pp.89
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YAKAR N., AYDIN C.  
18. Cevher Nesibe Tıp günleri, 3. Deneysel ve Klinik Araştırmalar Kongresi ve Workshop, Turkey, 18 - 20 May 2000, pp.88
38. **Comparison of two different methods to facilitate guided bone regeneration in the rat mandible.**  
Tasar F., Erdem O., Korkusuz P., İde T., AYDIN C.  
5 th Medeterranean Congress of Oral and Maxillofacial Surgery, Italy, 16 - 20 June 1999
39. **Skolosidal ajanların karaciğer ve safra yollarına etkileri**  
Atak M., Kozak O., Özcan A., AYDIN C., BALKAN M., Yıldız M.  
4. Hepato Pankreato Biliyer Cerrahi Kongresi "International Hepato Pankreato Biliary Association" (I.H.P.B.A.) Türkiye Birimi Toplantısı, Turkey, 5 - 08 June 1999, pp.86
40. **İntraabdominal perforekist hidatiklerde hipertonic salin irrigasyon için kullanılabilir mi?**  
BALKAN S. M., KAYAALP C., AYDIN C., ÖZGÜRTAŞ T., Pekcan M.  
4. Hepato Pankreato Biliyer Cerrahi Kongresi "International Hepato Pankreato Biliary Association" (I.H.P.B.A.) Türkiye Birimi Toplantısı, Turkey, 5 - 08 June 1999, pp.115
41. **Ratta Retrohepatik İntra Kaval Şant Tekniği**  
Kayaalp C., Aydın C., Balkan S. M.  
4. Hepato Pankreato Biliyer Cerrahi Kongresi "International Hepato Pankreato Biliary Association" (I.H.P.B.A.) Türkiye Birimi Toplantısı, Antalya, Turkey, 5 - 08 June 1999, pp.133
42. **Dansçı Ayılarda Bazı Plazma ve Şekilli Element Değerleri Üzerinde Bir Araştırma.**  
Yaman K., Cengiz F., Galip N., Aydın C.  
Türk Fizyolojik Bilimler Derneği 22. Ulusal Kongresi, Bursa, Turkey, 8 - 12 September 1996
43. **Dansçı Ayılarda Bazı Kan Parametreleri Üzerinde Bir Araştırma**  
Yaman K., Aydın C., Cengiz F., Galip N.  
Türk Fizyolojik Bilimler Derneği 22. Ulusal Kongresi, Bursa, Turkey, 8 - 12 September 1996

## Academic and Administrative Experience

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2017 - 2018	<b>Head of Department</b>	Bursa Uludağ University, VETERİNER FAKÜLTESİ, VETERİNER HEKİMLİĞİ TEMEL BİLİMLER BÖL.
2015 - 2018	<b>Dean</b>	Bursa Uludağ University, SPOR BİLİMLERİ FAKÜLTESİ

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2014 - 2017	<b>Veteriner Hekimliği Eğitim Kurumları ve Programları Değerlendirme Takımı ve Akreditasyon Derneği (VEDEK) Değerlendirme Takımları</b>	Bursa Uludağ University, VETERİNER FAKÜLTESİ, VETERİNER HEKİMLİĞİ TEMEL BİLİMLER BÖL.
2014 - 2016	<b>Lisansüstü Oryantasyon Kurulu Üyesi</b>	Bursa Uludağ University, VETERİNER FAKÜLTESİ, VETERİNER HEKİMLİĞİ TEMEL BİLİMLER BÖL.
2014 - 2015	<b>Akreditasyon, Sürekli Gelişim ve Yenilenme Kurulu Üyesi</b>	Bursa Uludağ University, VETERİNER FAKÜLTESİ, VETERİNER HEKİMLİĞİ TEMEL BİLİMLER BÖL.
2008 - 2010	<b>Internship Committee Member</b>	Bursa Uludağ University, VETERİNER FAKÜLTESİ, VETERİNER HEKİMLİĞİ TEMEL BİLİMLER BÖL.
2001 - 2004	<b>Fakülte Yönetim Kurulu Üyesi</b>	Bursa Uludağ University, VETERİNER FAKÜLTESİ, VETERİNER HEKİMLİĞİ TEMEL BİLİMLER BÖL.
2001 - 2004	<b>Unit Accreditation Board Member</b>	Bursa Uludağ University, VETERİNER FAKÜLTESİ, VETERİNER HEKİMLİĞİ TEMEL BİLİMLER BÖL.
2000 - 2004	<b>Eğitim ve Müfredat Kurulu üyesi</b>	Bursa Uludağ University, VETERİNER FAKÜLTESİ, VETERİNER HEKİMLİĞİ TEMEL BİLİMLER BÖL.

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## Advising Theses

Aydın C., Opioid kullanımının mikrobiyom-bağırsak-beyin aksı üzerine etkileri, Doctorate, E.KÖŞELİ(Student), 2022  
Aydın C., Effect of spirulina on hematological parameters in stressed rats, Postgraduate, R.GURBANLI(Student), 2019  
AYDIN C., Rearranging the exercise schedule for two-year-old English thoroughbred horses by benefiting from serum CK, LDH, LA and SDH parameters, Doctorate, O.ŞENÇELİK(Student), 2008

## Memberships / Tasks in Scientific Organizations

American Physiological Society, Member, 2011 - Continues, United States Of America

## Metrics

Publication: 108  
Citation (WoS): 386  
Citation (Scopus): 436  
H-Index (WoS): 12  
H-Index (Scopus): 12

## Research Areas

Nutrition and Dietetics, Veterinary Physiology, Zootekni and Animal Nutrition, Animal Welfare, Behavior and Ethics,

Environmental Sciences, Biosensor, Human Physiology

## Non Academic Experience

United States Environmental Protection Agency, National Health and Environmental Effects Research Laboratory, NC

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