

Assoc. Prof. MURAT ÇAKIR

Personal Information

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Education Information

Doctorate, Inonu University, Sağlık Bilimleri Enstitüsü, Fizyoloji (Dr), Turkey 2012 - 2016

Postgraduate, Inonu University, Sağlık Bilimleri Enstitüsü, Fizyoloji (YI) (Tezli), Turkey 2009 - 2012

Undergraduate, Inonu University, Malatya Sağlık Yüksekokulu, Sağlık Memurluğu Bölümü, Turkey 2000 - 2005

Dissertations

Doctorate, Sıçanlarda okadaik asit ile oluşturulan nörodejenerasyona aca'xx nın etkisi, Inonu University, Sağlık Bilimleri Enstitüsü, Fizyoloji (Dr), 2016

Postgraduate, Sıçanlarda böbrek iskemi reperfüzyonu ile oluşturulan oksidatif hasara karşı deksmedetomidinin etkisi, Inonu University, Sağlık Bilimleri Enstitüsü, Fizyoloji (YI) (Tezli), 2012

Research Areas

Medicine, Health Sciences

Academic and Administrative Experience

Head of Department, Yozgat Bozok University, 2017 - 2021

Courses

Dönem II Teorik ve Pratik Dersler, Undergraduate, 2018 - 2019

Sağlık Bilimleri Fakültesi Hemşirelik Bölümü Şube II Fizyoloji Dersi, Undergraduate, 2018 - 2019

Sağlık Bilimleri Fakültesi Hemşirelik Bölümü Şube I Fizyoloji Dersi, Undergraduate, 2018 - 2019

Dönem I Hücre Bilimleri Ders Kurulu III Teorik ve Pratik Dersler, Undergraduate, 2018 - 2019

Sağlık Bilimleri Fakültesi Hemşirelik Bölümü Fizyoloji Dersi, Undergraduate, 2017 - 2018

I Hücre Bilimleri Ders Kurulu III Teorik ve Pratik Dersler, Undergraduate, 2017 - 2018

Sağlık Bilimleri Fakültesi Ebelik Bölümü Fizyoloji Dersi, Undergraduate, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Selected transient receptor potential channel genes' expression in peripheral blood mononuclear cells of multiple sclerosis.**

Çakır M., Saçmacı H., Sabah-Özcan S.

Human & experimental toxicology, 2021 (Journal Indexed in SCI)

- II. **The protective effect of JZL184 on ovarian ischemia reperfusion injury and ovarian reserve in rats.**
Caltekin M., Ozkut M. M. , Caltekin I., KAYMAK E., ÇAKIR M., Kara M., YALVAÇ E. S.
The journal of obstetrics and gynaecology research, vol.47, no.8, pp.2692-2704, 2021 (Journal Indexed in SCI Expanded)
- III. **Gene expression profiles of transient receptor potential (TRP) channels in the peripheral blood mononuclear cells of psoriasis patients**
Ozcan S. S. , Gurel G., ÇAKIR M.
HUMAN & EXPERIMENTAL TOXICOLOGY, 2021 (Journal Indexed in SCI)
- IV. **Protective effect of saxagliptin against renal ischaemia reperfusion injury in rats**
TEKİN S., Beytur A., ÇAKIR M., Taslidere A., ERDEN Y., TEKİN Ç., SANDAL S.
ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY, 2020 (Journal Indexed in SCI)
- V. **The ameliorating effect of cannabinoid type 2 receptor activation on brain, lung, liver and heart damage in cecal ligation and puncture-induced sepsis model in rats**
ÇAKIR M., TEKİN S., OKAN OFLAMAZ A., Cakan P., DOĞANYIĞIT Z.
INTERNATIONAL IMMUNOPHARMACOLOGY, vol.78, 2020 (Journal Indexed in SCI)
- VI. **mRNA Expression Levels of Some TRP Channels in Psoriasis Patients**
ÇAKIR M., SABAH ÖZCAN S., Gurel G.
ACTA PHYSIOLOGICA, vol.227, pp.63, 2019 (Journal Indexed in SCI)
- VII. **The protective effect of cannabinoid type 2 receptor activation on renal ischemia-reperfusion injury**
Cakir M., TEKİN S., Doganyigit Z., Cakan P., Kaymak E.
MOLECULAR AND CELLULAR BIOCHEMISTRY, vol.462, pp.123-132, 2019 (Journal Indexed in SCI)
- VIII. **Cannabinoid Type 2 Receptor Activation Reduces Inflammation and Apoptosis in the Lung in Model of Sepsis Induced by Cecal Ligation Puncture**
ÇAKIR M., TEKİN S., DOĞANYIĞIT Z., OKAN OFLAMAZ A.
ACTA PHYSIOLOGICA, vol.227, pp.59, 2019 (Journal Indexed in SCI)
- IX. **mRNA Expression Levels of TRPV1, TRPV2, TRPV3 TRPV4, TRPM2, TRPM4, TRPM7, TRPA1 and TRPC6 Channels in Multiple Sclerosis Patients**
ÇAKIR M., SABAH ÖZCAN S., SAÇMACI H.
ACTA PHYSIOLOGICA, vol.227, pp.90, 2019 (Journal Indexed in SCI)
- X. **Increased level of plasma salusin-alpha and salusin-beta in patients with multiple sclerosis**
ÇAKIR M., SABAH ÖZCAN S., SAÇMACI H.
MULTIPLE SCLEROSIS AND RELATED DISORDERS, vol.30, pp.76-80, 2019 (Journal Indexed in SCI)
- XI. **Protective effect of N-(p-amylcinnamoyl) anthranilic acid, phospholipase A(2) enzyme inhibitor, and transient receptor potential melastatin-2 channel blocker against renal ischemia-reperfusion injury**
ÇAKIR M., TEKİN S., TAŞLIDERE A., Cakan P., DÜZOVA H., Gul C. C.
JOURNAL OF CELLULAR BIOCHEMISTRY, vol.120, no.3, pp.3822-3832, 2019 (Journal Indexed in SCI)
- XII. **Cannabinoid type 2 receptor agonist JWH-133, attenuates Okadaic acid induced spatial memory impairment and neurodegeneration in rats**
ÇAKIR M., TEKİN S., DOĞANYIĞIT Z., ERDEN Y., Soyturk M., ÇİĞREMİŞ Y., SANDAL S.
LIFE SCIENCES, vol.217, pp.25-33, 2019 (Journal Indexed in SCI)
- XIII. **Effect of Cannabinoid Type 2 Receptor Activation in Okadaic Acid Induced Rat Alzheimer's Disease Model**
ÇAKIR M., DOĞANYIĞIT Z., TEKİN S., ERDEN Y., ÇİĞREMİŞ Y., SANDAL S.
ACTA PHYSIOLOGICA, vol.225, pp.41, 2018 (Journal Indexed in SCI)
- XIV. **Effect of ACA on Ischemia/Reperfusion Injury in Rats (A Histological Study)**
ÇAKIR M., TAŞLIDERE A., TEKİN S., DÜZOVA H.
ACTA PHYSIOLOGICA, vol.225, pp.51, 2018 (Journal Indexed in SCI)
- XV. **Investigation of the Effects of Sitagliptin on Cancer; In Vitro Study**
TEKİN S., ÇAKIR M., Beytur A., SANDAL S.
ACTA PHYSIOLOGICA, vol.221, pp.51, 2017 (Journal Indexed in SCI)
- XVI. **Effects of saxagliptin on human prostate and breast cancer: An in vitro study**

- Tekin S., Beytur A., ÇAKIR M., Sandal S.
ACTA PHYSIOLOGICA, vol.221, pp.180, 2017 (Journal Indexed in SCI)
- XVII. **Effects of N-(p-amylcinnamoyl) anthranilic acid (ACA) on various human cancer cell lines**
Tekin S., ÇAKIR M., Beytur A., Sandal S.
ACTA PHYSIOLOGICA, vol.221, pp.180, 2017 (Journal Indexed in SCI)
- XVIII. **Effect of Salusin-alpha and Salusin-beta on Liver Damage Following the Renal Ischemia/Reperfusion**
ÇAKIR M., TAŞLIDERE A., DÜZOVA H., Orhan G.
ACTA PHYSIOLOGICA, vol.221, pp.88, 2017 (Journal Indexed in SCI)
- XIX. **The effects of chronic intraperitoneally infusion of irisin on liver antioxidant balance in rats**
Tekin S., ÇAKIR M., Beytur A., Sandal S.
ACTA PHYSIOLOGICA, vol.221, pp.134, 2017 (Journal Indexed in SCI)
- XX. **The relationship between Saxagliptin and renal ischemia/reperfusion: A morphological approach**
Tekin S., Beytur A., Taslidere A., ÇAKIR M., Sandal S.
ACTA PHYSIOLOGICA, vol.221, pp.108, 2017 (Journal Indexed in SCI)
- XXI. **ACA, an inhibitor phospholipases A2 and transient receptor potential melastatin-2 channels, attenuates okadaic acid induced neurodegeneration in rats**
Cakir M., DÜZOVA H., TEKİN S., Taslidere E., Kaya G. B. , ÇİĞREMİŞ Y., Ozgocer T., YOLOĞLU S.
LIFE SCIENCES, vol.176, pp.10-20, 2017 (Journal Indexed in SCI)
- XXII. **The effect of hypericum perforatum on kidney ischemia/reperfusion damage**
Cakir M., DÜZOVA H., Baysal I., Gul C. C. , Kuscü G., Kutluk F., Cakin H., Seker S., Ilbegi E., Uslu S., et al.
RENAL FAILURE, vol.39, no.1, pp.385-391, 2017 (Journal Indexed in SCI)
- XXIII. **Protective effects of salusin-alpha and salusin-beta on renal ischemia/reperfusion damage and their levels in ischemic acute renal failure**
ÇAKIR M. S. , DÜZOVA H., TAŞLIDERE A., Orhan G., Ozyalin F.
BIOTECHNIC & HISTOCHEMISTRY, vol.92, no.2, pp.122-133, 2017 (Journal Indexed in SCI)
- XXIV. **Effect of apelin hormone on renal ischemia/reperfusion induced oxidative damage in rats**
Bircan B., Cakir M., Kirbag S., Gul H. F.
RENAL FAILURE, vol.38, no.7, pp.1122-1128, 2016 (Journal Indexed in SCI)
- XXV. **The effect of dexmedetomidine against oxidative and tubular damage induced by renal ischemia reperfusion in rats**
Cakir M., POLAT A., TEKİN S., VARDI N., TAŞLIDERE E., Duran Z. R. , TANBEK K.
RENAL FAILURE, vol.37, no.4, pp.704-708, 2015 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Negative correlation between TNF- α and triglyceride levels in patients with cerebral infarction**
SAÇMACI H., ÇAKIR M., SABAH ÖZCAN S.
Annals of Medical Research, vol.28, pp.1593-1588, 2021 (Refereed Journals of Other Institutions)
- II. **Ameliorative Effect of Alpha Lipoic Acid on Endometriosis: An Experimental Model in Rats**
ONAT T., ÇAKIR M.
HASEKI TIP BULTENI-MEDICAL BULLETIN OF HASEKI, vol.58, no.5, pp.402-407, 2020 (Journal Indexed in ESCI)
- III. **Diz osteoartrit hastalarında serum salusin-alfa ve salusin-beta düzeyleri**
SABAH ÖZCAN S., ÇAKIR M., KORKMAZ M., Gümüş M.
Bozok Tıp Dergisi, vol.10, no.2, pp.184-188, 2020 (Other Refereed National Journals)
- IV. **Decreased serum periostin level is associated with carpal tunnel syndrome**
SABAH ÖZCAN S., SAÇMACI H., ÇAKIR M.
Annals of Medical Research, vol.27, no.6, pp.1584-1589, 2020 (Refereed Journals of Other Institutions)
- V. **MCF-7 ve PC-3 Hücre Hatlarında, Hücre Canlılığı ve DNA Hasarı Üzerine TRPV4 Antagonisti RN 1734'xxün Etkileri**
ÇAKIR M., ERDEN Y.

Bozok Tıp Dergisi, vol.9, no.3, pp.134-139, 2019 (Other Refereed National Journals)

- VI. **Decreased levels of plasma preptin in female patients with knee osteoarthritis**
ÇAKIR M., SABAH ÖZCAN S., KORKMAZ M., DURUSOY S.
Annals of Medical Research, vol.26, no.9, pp.1805, 2019 (Refereed Journals of Other Institutions)
- VII. **İnsan Over ve Prostat Kanseri Hücre Canlılığı Üzerine N-(pamylcinnamoyl) Antranilik Asit'in (ACA) Etkilerinin Araştırılması**
ÇAKIR M., TEKİN S., asiye b., SANDAL S.
Fırat Üniversitesi Sağlık Bilimleri Dergisi, vol.32, no.2, pp.87-91, 2018 (Other Refereed National Journals)
- VIII. **Saksagliptin ve Sitagliptinin Farklı Tip İnsan Kanser Hücre Canlılığı Üzerine Etkilerinin Araştırılması**
TEKİN S., Beytur A., ÇAKIR M., TEKİN Ç., SANDAL S.
Fırat Sağlık Bilimleri Tıp Dergisi, vol.31, no.3, pp.111-116, 2017 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Decreased levels of salusin- α and salusin- β in osteoarthritis**
SABAH ÖZCAN S., ÇAKIR M., KORKMAZ M., Gümüş M.
3rd International Eurasian Conference on Biological and Chemical Sciences, 19 - 20 March 2020
- II. **Cannabinoid Type 2 Receptor Activation Reduces Inflammation and Apoptosis in the Lung in Model of Sepsis Induced by Cecal Ligation Puncture**
ÇAKIR M., TEKİN S., DOĞANYİĞİT Z., OKAN A.
Turkish Society of Physiological Sciences 45th National Physiology Congress, 31 October - 03 November 2019, vol.227
- III. **Cannabinoid Type 2 Receptor Activation Reduces Inflammation and Apoptosis in the Lung in Model of Sepsis Induced by Cecal Ligation Puncture**
ÇAKIR M., TEKİN S., DOĞANYİĞİT Z., OKAN A.
Turkish Society of Physiological Sciences 45th National Physiology Congress, Aydın, Turkey, 31 October - 03 November 2019, vol.227
- IV. **Cannabinoid Type 2 Receptor Activation Reduces Inflammation and Apoptosis in the Lung in Model of Sepsis Induced by Cecal Ligation Puncture**
ÇAKIR M., TEKİN S., DOĞANYİĞİT Z., OKAN OFLAMAZ A.
Turkish Society of Physiological Sciences 45th National Physiology Congress, Aydın, Turkey, 03 November 2019, vol.227
- V. **THE CYTOTOXIC EFFECTS OF JWH-133 ON MDAH-2774 OVARIAN CARCINOMA CELL LINE**
ÇAKIR M.
1. INTERNATIONAL CANCER DAYS, Sivas, Turkey, 19 - 21 September 2019
- VI. **Cecal Ligation and Puncture-Induced Sepsis in Rats Causes Amyloid Beta Protein Accumulation and Tau Hyperphosphorylation in Brain Tissue**
OKAN A., ÇAKIR M., DOĞANYİĞİT Z.
6th International Symposium on Academic Studies in Health and Sport Sciences, Ankara, Turkey, 13 - 15 June 2019
- VII. **Sıçanlarda Çekal Ligasyon ve Puncture ile Oluşturulan Sepsis, Beyin Dokusunda Amiloid Beta Protein Birikimi ve Tau Hiperfosforilizasyonuna Neden Olur**
OKAN A., ÇAKIR M., DOĞANYİĞİT Z.
6th International Symposium on Academic Studies in Health and Sport Sciences, 13 - 15 June 2019
- VIII. **İNSAN OVER VE MEME KANSERİ HÜCRE CANLILIĞI ÜZERİNE 8 BROMO-CADP-RİBOZ'xxUN ETKİSİ**
ÇAKIR M., ERDEN Y.
1 st International Ahi Evran Medicine and Health Science Congress, 11 - 14 April 2019
- IX. **Effect of ACA on Ischemia / Reperfusion Injury in Rats (A Histological Study)**
ÇAKIR M., TAŞLIDERE A., TEKİN S., DÜZOVA H.
Turkish Society of Physiological Sciences 44th National Physiology Congress, 1 - 04 November 2018, vol.225, pp.13236

- X. **Renal İskemi/Reperfüzyon Hasarına Bağlı Olarak Artan Sistatin-C Düzeyini Saksagliptin Azaltır**
TEKİN S., Beytur A., ÇAKIR M., SANDAL S.
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018
- XI. **Cannabinoid Type 2 Receptors Activation Improves Cognitive Dysfunction in a Okadaic Acid Induced Alzheimer Rat Model**
ÇAKIR M., TEKİN S.
3rd International Congress of the Turkish-Neuroendocrinology-Society, Malatya, Turkey, 29 June - 01 July 2018, vol.107, pp.26
- XII. **The relationship between saxagliptine an renal ischemia/reperfusion: A morphological approach**
TEKİN S., Beytur A., TAŞLIDERE A., ÇAKIR M., SANDAL S.
Joint Meeting of the Federation of European Physiological Societies and the Austrian Physiological Society with Participation of the Czech, French, Italian, Slovak, Slovenian, Swiss and Turkish Physiological Societies, Viyana, Austria, 13 - 15 September 2017, vol.221, pp.66-113
- XIII. **Effect of saxagliptin on human prostate and breast cancer: An in vitro study**
TEKİN S., Beytur A., ÇAKIR M., SANDAL S.
Joint Meeting of the Federation of European Physiological Societies and the Austrian Physiological Society with Participation of the Czech, French, Italian, Slovak, Slovenian, Swiss and Turkish Physiological Societies, Viyana, Austria, 13 - 15 September 2017, vol.221, pp.162-209
- XIV. **The effect of cronic intraperitoneally infusion of irisin on liver antioxidant balance in rats**
TEKİN S., ÇAKIR M., Beytur A., SANDAL S.
Joint Meeting of the Federation of European Physiological Societies and the Austrian Physiological Society with Participation of the Czech, French, Italian, Slovak, Slovenian, Swiss and Turkish Physiological Societies, Viyana, Austria, 13 - 15 September 2017, vol.221, pp.114-161
- XV. **Protective Effect of Saxagliptin Against Renal Ischemia/Reperfusion Injury in Male Rats**
TEKİN S., beytur a., ÇAKIR M., SANDAL S.
Turkish Society of Physiological Sciences 43rd National Physiology Congress, Denizli, Turkey, 7 - 10 September 2017, vol.221, pp.25-48
- XVI. **Sitagliptinin Kanser Üzerindeki Etkilerinin Araştırılması İn Vitro Bir Çalışma**
TEKİN S., ÇAKIR M., SANDAL S., Beytur A.
43. Ulusal Fizyoloji kongresi, 7 - 10 September 2017
- XVII. **Investigation of the Effects of Sitagliptin on Cancer In Vitro Study**
TEKİN S., ÇAKIR M., Beytur A., SANDAL S.
Turkish Society of Physiological Sciences 43rd National Physiology Congress, Denizli, Turkey, 7 October - 10 September 2017, vol.221, pp.49-125
- XVIII. **Saxagliptin reduces the level of NGAL, KIM-1, IL-18, which is increased by renal ischemia reperfusion**
TEKİN S., Beytur A., ÇAKIR M., SANDAL S.
IUPS 38th World Congress Rhythms of Life, Brazil, 1 - 05 August 2017
- XIX. **N-(p-Amylcinnamoyl) anthranilic acid effect on food consumption and body weight okadaic acid induced Alzheimer's model in rat**
ÇAKIR M., DÜZOVA H., TEKİN S.
15th Turkish Neuroscience Congress, 7 - 10 May 2017
- XX. **Sıçanlarda okadaik asit ile oluşturulan oksidatif stresi ve nöroinflamasyonu TRPM2 antagonisti ACA azaltır**
ÇAKIR M., DÜZOVA H., TEKİN S., ÖZGÖÇER T.
Turkish Society of Physiological Sciences 42nd National Physiology Congress, Düzce, Turkey, 5 - 08 September 2016, vol.218, pp.8-25
- XXI. **Effects of Hypericum perforatum on Renal Ischemia-Reperfusion Injury in the Rat**
ÇAKIR M., DÜZOVA H.
Turkish Society of Physiological Sciences 42nd National Physiology Congress, Düzce, Turkey, 5 - 08 September

2016, vol.218, pp.26-91

- XXII. **TRPM2 antagonist ACA ameliorates okadaic acid-induced cognitive impairment in rats**
ÇAKIR M., DÜZOVA H., TEKİN S., ÇİĞREMİŞ Y.
14. Ulusal Sinirbilim Kongresi, Turkey, 26 - 29 May 2016
- XXIII. **Antioxidant Effect of Apelin on Renal Ischemia/Reperfusion Damage**
BİRCAN B., ÇAKIR M., KIRBAĞ S.
41. Ulusal Fizyoloji Kongresi, Turkey, 9 - 13 September 2015, vol.215, pp.32-109
- XXIV. **Effects of Salusin- α on Various Cytokines and Lipid Peroxidations in Rats Subjected to an Experimental Renal Ischemia / Reperfusion of Rats**
ÇAKIR M., DÜZOVA H., Orhan G., çetin a., ÖZYALIN F.
41. Ulusal Fizyoloji Kongresi, Çanakkale, Turkey, 9 - 13 September 2015, vol.215, pp.15-31
- XXV. **Sıçanlarda Deneysel Böbrek İskemi/Reperfüzyon Modelinde Apelin-13"ün Koruyucu Rölü**
BİRCAN B., ÇAKIR M., KIRBAĞ S.
40. Ulusal Fizyoloji Kongresi, Turkey, 2 - 06 September 2014
- XXVI. **Sıçanlarda Böbrek İskemi/Reperfüzyonu ile Oluşturulan Oksidatif Hasara Karşı Salusin-beta"nın Etkisi**
ÇAKIR M., DÜZOVA H., Orhan G., çetin a.
40. Ulusal Fizyoloji Kongresi, Turkey, 2 - 06 September 2014
- XXVII. **SIÇANLARDA BÖBREK İSKEMİ/REPERFÜZYON HASARINA DEKSMEDETOMİDİNİN ETKİSİ**
ÇAKIR M., POLAT A., VARDI N., TAŞLIDERE E., TEKİN S., Duran Z. R. , TANBEK K.
39. Ulusal Fizyoloji Kongresi, Turkey, 10 - 14 September 2013
- XXVIII. **Sıçalarda Böbrek İskemi/Reperfüzyonu ile Oluşturulan Oksidatif Strese Deksmetomidinin Etkisi**
ÇAKIR M., POLAT A.
39. Ulusal Fizyoloji Kongresi, Turkey, 10 - 14 September 2013

Supported Projects

ÇAKIR M., SAÇMACI H., Project Supported by Higher Education Institutions, Dejeneratif nörolojik hastalıklar (Multipl Skleroz, Alzheimer, Parkinson Hastalığı) ve akut iskemik inmede 'Adropin ve Mitokondrial derived peptid' düzeylerinin araştırılması, 2019 - Continues

ÇAKIR M., Project Supported by Higher Education Institutions, Sıçanlarda Çekal Ligasyonla Oluşturulan Sepsis Modelinde Kannabinoid Tip 2 Reseptör Aktivasyonunun Etkisi, 2018 - 2019

ÇAKIR M., Project Supported by Higher Education Institutions, Sıçanlarda böbrek iskemii/reperfüzyon hasarına kannabinoid tip 2 reseptör aktivasyonunun etkisi, 2018 - 2019

ÇAKIR M., Project Supported by Higher Education Institutions, Sıçanlarda Okadaik Asit İle Oluşturulan Alzheimer Modelinde Kannabinoid Tip 2 Reseptör Aktivasyonunun Etkisi, 2017 - 2019

ÇAKIR M., Project Supported by Higher Education Institutions, Deneysel Böbrek İskemi Reperfüzyon Hasarında Saksagliptinin Etkilerinin Araştırılması, 2017 - 2019

ÇAKIR M., Project Supported by Higher Education Institutions, Sıçanlarda Böbrek İskemireperfüzyon Hasarına N-(P-Amylcinnamoyl) Anthranilik Asit?İN Etkisi, 2017 - 2018

ÇAKIR M., Project Supported by Higher Education Institutions, Sıçanlarda Böbrek İskemi reperfüzyon Hasarına N-(P-Amylcinnamoyl) Anthranilik Asitin Etkisi, 2017 - 2018

ÇAKIR M., Project Supported by Higher Education Institutions, Sıçanlarda böbrek iskemii/reperfüzyon hasarına hypericum perforatum'un etkisi, 2016 - 2017

ÇAKIR M., Project Supported by Higher Education Institutions, Sıçanlarda Böbrek İskemi Reperfüzyonu ile Oluşturulan Oksidatif Hasarda Apelin Hormonunun Etkisi, 2013 - 2015

ÇAKIR M., Project Supported by Higher Education Institutions, Sıçanlarda Böbrek İskemi/Reperfüzyon Hasarına Salusin-alfa ve salusin-beta'nın Etkisi, 2013 - 2015

ÇAKIR M., Project Supported by Higher Education Institutions, Sıçanlarda Böbrek İskemi Reperfüzyonu İle Oluşturulan Oksidatif Hasara karşı Deksmetomidinin Etkisi, 2011 - 2012

Citations

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