

Prof. SÜLEYMAN SANDAL

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Firat University, Institute Of Health Sciences, Tıp Fakültesi Fizyoloji Anabilim Dalı, Turkey 1999 - 2004

Dissertations

Doctorate, Poli Klorlu Bifenillerin Fare Timus Hücre Kültürlerinde İmmünobiyolojik Etkileri, Firat University, Tıp Fakültesi, Tıp Pr., 2004

Postgraduate, Östrus siklusu boyunca ve ovariektomi yapılan sıçanlarda stereoid uygulamasının sıvı-elektrolit dengesi ile supraoptik ve paraventriküler nükleuslarda noradrenerjik norotransmisyonu etkileri, Firat University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1999

Research Areas

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

Academic Titles / Tasks

Professor, Inonu University, Tıp Fakültesi, Temel Tıp Bilimleri, 2016 - Continues

Associate Professor, Inonu University, Tıp Fakültesi, Temel Tıp Bilimleri, 2011 - 2016

Assistant Professor, Inonu University, Tıp Fakültesi, Temel Tıp Bilimleri, 2009 - 2011

Academic and Administrative Experience

Inonu University, Sağlık Hizmetleri Meslek Yüksekokulu, 2016 - Continues

Inonu University, Sağlık Bilimleri Enstitüsü, Fizyoloji (Dr), 2011 - 2013

Advising Theses

SANDAL S., Beslenmenin Hipotalamik Kontrolünde İrisin Hormonunun Etkilerinin Araştırılması, Doctorate, S.TEKİN(Student), 2016

SANDAL S., Sıçanlarda Deneysel Olarak Oluşturulan Alzheimer Patogenezi Üzerine FEZ1 Gen İfadesi ve Pinealektominin Rolünün Araştırılması, Doctorate, M.DEMİR(Student), 2016

SANDAL S., Merkezi Olarak FGF21 Uygulamasının Hipotalamus-Hipofiz-Tiroid Aksı ve UCP1 Gen İfadesi Üzerine Etkilerinin Araştırılması, Postgraduate, Ü.Yılmaz(Student), 2015

SANDAL S., Sıçanlarda İntraserebroventriküler Apelin-13 uygulanmasının Hipotalamus-Hipofiz-tiroid Aksı Üzerindeki Etkisi, Postgraduate, Y.Erden(Student), 2015

SANDAL S., Erkek Sıçanlarda İntraserebroventriküler Apelin Uygulamasının Hipotalamus-Hipofiz-Gonadal Eksen Üzerindeki Etkileri, Postgraduate, S.TEKİN(Student), 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Hexa-substituted cyclotriphosphazene derivatives containing hetero-ring chalcones: Synthesis, in vitro cytotoxic activity and their DNA damage determination**
Beytur A., TEKİN Ç., Caliskan E., TEKİN S., KORAN K., GÖRGÜLÜ A. O. , SANDAL S.
BIOORGANIC CHEMISTRY, vol.127, 2022 (Peer-Reviewed Journal)
- II. **Synthesis of New Cinnamoyl-Amino Acid Conjugates and in Vitro Cytotoxicity and Genotoxicity Studies**
Caliskan E., Ozturk D. A. , KORAN K., TEKİN S., SANDAL S., ERKAN S., GÖRGÜLÜ A. O. , ÇETİN A.
CHEMISTRY & BIODIVERSITY, 2022 (Peer-Reviewed Journal)
- III. **Preparation, DFT calculations, docking studies, antioxidant, and anticancer properties of new pyrazole and pyridine derivatives**
Zebbiche Z., Sekerci G., Boulebd H., KÜÇÜKBAY F., TEKİN S., Tekin Z., KÜÇÜKBAY H., SANDAL S., Boumoud B.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, 2022 (Peer-Reviewed Journal)
- IV. **Investigation of Obesogenic Effects of Hexachlorobenzene, Dichlorodiphenyltrichloroethane and Dichlorodiphenyldichloroethylene in a Male Rat Model**
Al Obaidi Z., Erdogan C. S. , Ozgun H. B. , Sumer E., Basol B. G. , SANDAL S., YILMAZ B.
ACTA PHYSIOLOGICA, vol.234, pp.85, 2022 (Peer-Reviewed Journal)
- V. **Effects of Glucagon on Central Nervous System in Regulating Glucose Homeostasis in Rats**
TANBEK K., YILMAZ Ü., GÜL S., KOÇ A., Gul M., SANDAL S.
ACTA PHYSIOLOGICA, vol.234, pp.50, 2022 (Peer-Reviewed Journal)
- VI. **Does Chrysin prevent severe lung damage in Hyperoxia-Induced lung injury Model?**
Özdemir R., Gökce İ. K. , Taşlıdere A., Tanbek K., Gul C. C. , Sandal S., Turgut H., Kaya H., Aslan M.
INTERNATIONAL IMMUNOPHARMACOLOGY, vol.99, 2021 (Peer-Reviewed Journal)
- VII. **Cytotoxic effect of endemic Tchiatchewia isatidea Boiss. from Turkey**
KIRBAĞ S., KESER S., TEKİN S., İnci S., SANDAL S.
ISRAEL JOURNAL OF PLANT SCIENCES, vol.68, no.1-2, pp.161-165, 2021 (Peer-Reviewed Journal)
- VIII. **Polychlorinated biphenyls and organochlorine pesticides in breast milk samples and their correlation with dietary and reproductive factors in lactating mothers in Istanbul**
Agus S., Akkaya H., Daglioglu N., Eyuboglu S., Atasayan O., Mete F., ÇOLAK C., SANDAL S., YILMAZ B.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 2021 (Peer-Reviewed Journal)
- IX. **Infusion of Intracerebroventricular Irisin to Obese Male Rats Increases Secretion of Reproductive Hormones**
TEKİN S., SANDAL S.
NEUROENDOCRINOLOGY, vol.111, pp.29-30, 2021 (Peer-Reviewed Journal)
- X. **Effect of Intracerebroventricular MOTS-c Infusion on Peripheral Uncoupling Proteins in Rats**
Bahar M. R. , TEKİN S., Beytur A., ÖNALAN E., ÇOLAK C., SANDAL S.
NEUROENDOCRINOLOGY, vol.111, pp.33-34, 2021 (Peer-Reviewed Journal)
- XI. **Bioactive contents, In vitro antiradical, antimicrobial and cytotoxic properties of rhubarb (Rheum ribes L.) extracts**
KESER S., Keser F., KARATEPE M., KAYGILI Ö., TEKİN S., TÜRKÖĞLÜ İ., DEMİR E., YILMAZ Ö., KIRBAĞ S., SANDAL S.

NATURAL PRODUCT RESEARCH, vol.34, no.23, pp.3353-3357, 2020 (Peer-Reviewed Journal)

- XII. **Synthesis and spectroscopic characterizations of hexakis[(1-(4'-oxyphenyl)-3-(substituted-phenyl)prop-2-en-1-one)]cyclotriphosphazenes: their in vitro cytotoxic activity, theoretical analysis and molecular docking studies**
Dogan H., Bahar M. R. , Caliskan E., TEKİN S., USLU H., Akman F., KORAN K., SANDAL S., GÖRGÜLÜ A. O.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, 2020 (Peer-Reviewed Journal)
- XIII. **Phytochemical compounds and antiradical, antimicrobial, and cytotoxic activities of the extracts from Hypericum scabrum L. Flowers**
KESER S., Keser F., KAYĞILI Ö., TEKİN S., DEMİR E., TÜRKOĞLU İ., TÜRKOĞLU S., PARLAK A. E. , YILMAZ Ö., KARATEPE M., et al.
NATURAL PRODUCT RESEARCH, vol.34, no.5, pp.714-719, 2020 (Peer-Reviewed Journal)
- XIV. **Endocrine disrupting chemicals: exposure, effects on human health, mechanism of action, models for testing and strategies for prevention**
YILMAZ B., Terekeci H., SANDAL S., Kelestimur F.
REVIEWS IN ENDOCRINE & METABOLIC DISORDERS, vol.21, no.1, pp.127-147, 2020 (Peer-Reviewed Journal)
- XV. **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 (Peer-Reviewed Journal)
- XVI. **Cytotoxic Properties of Peptide Substituted Novel Cyclotriphosphazene Compound**
KORAN K., TEKİN S., Caliskan E., Capan T., SANDAL S., GÖRGÜLÜ A. O.
ACTA PHYSIOLOGICA, vol.227, pp.68, 2019 (Peer-Reviewed Journal)
- XVII. **Intracerebroventricular MOTS-C Infusion Increases Peripheral Uncoupling Proteins in Rats Generated From Experimental Obesity Model**
TEKİN S., ÖNALAN E., SANDAL S.
ACTA PHYSIOLOGICA, vol.227, pp.106, 2019 (Peer-Reviewed Journal)
- XVIII. **In Vitro Cytotoxic and Genotoxic Properties of Hexa Substituted New Organophosphazene Compounds**
Dogan H., Bahar M. R. , Caliskan E., KORAN K., TEKİN S., SANDAL S., GÖRGÜLÜ A. O.
ACTA PHYSIOLOGICA, vol.227, pp.66, 2019 (Peer-Reviewed Journal)
- XIX. **Administration of Acute Agomelatine Reduces Increased Oxidative Stress Due to Experimental Renal Ischemia / Reperfusion Damage in Rats**
Aykora D., Ozturk D. A. , Tanbek K., Bahar M. R. , TEKİN S., SANDAL S.
ACTA PHYSIOLOGICA, vol.227, pp.51, 2019 (Peer-Reviewed Journal)
- XX. **Intracerebroventricular MOTS-C Infusion Suppresses Thyroid Hormone Secretion in Rats**
Bahar M. R. , TEKİN S., Beytur A., Ozyalm F., ÖNALAN E., SANDAL S.
ACTA PHYSIOLOGICA, vol.227, pp.30, 2019 (Peer-Reviewed Journal)
- XXI. **The Effects of Intracerebroventricularly Administered Salusin-beta on levels of GnRH in Rats**
Demir I., TEKİN S., SANDAL S.
ACTA PHYSIOLOGICA, vol.227, pp.111, 2019 (Peer-Reviewed Journal)
- XXII. **Synthesis and evaluation of anticancer properties of novel benzimidazole ligand and their cobalt(II) and zinc(II) complexes against cancer cell lines A-2780 and DU-145**
Yilmaz U., TEKİN S., Bugday N., Yavuz K., KÜÇÜKBAY H., Sandal S.
INORGANICA CHIMICA ACTA, vol.495, 2019 (Peer-Reviewed Journal)
- XXIII. **Cytotoxic effects of coumarin substituted benzimidazolium salts against human prostate and ovarian cancer cells**
KARATAŞ M. O. , TEKİN S., ALICI B., SANDAL S.
JOURNAL OF CHEMICAL SCIENCES, vol.131, no.8, 2019 (Peer-Reviewed Journal)
- XXIV. **Synthesis and evaluation of anticancer properties of novel benzimidazole ligand and their cobalt (II) and Zinc (II) complexes against cancer cell lines A-2780 and DU-145**
YILMAZ Ü., TEKİN S., Bugday N., Yavuz K., KÜÇÜKBAY H., SANDAL S.
INORGANICA CHIMICA ACTA, vol.495, no.118977, pp.1-7, 2019 (Peer-Reviewed Journal)

- XXV. **Effects of intracerebroventricular administration of irisin on the hypothalamus-pituitary-gonadal axis in male rats**
TEKİN S., BEYTUR A., ERDEN Y., Beytur A., ÇİĞREMİŞ Y., VARDI N., TÜRKÖZ Y., TEKEDERELİ İ., SANDAL S.
JOURNAL OF CELLULAR PHYSIOLOGY, vol.234, no.6, pp.8815-8824, 2019 (Peer-Reviewed Journal)
- XXVI. **Evaluation of antioxidant and antiproliferative activities of 1,2-bis (p-amino-phenoxy) ethane derivative Schiff bases and metal complexes**
PARLAK A. E. , Cakmak H., SANDAL S., YILMAZ B., ŞEKERCİ M., KARAGÖZ GENÇ Z., TUZCU M., KARATEPE M.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.33, no.2, 2019 (Peer-Reviewed Journal)
- XXVII. **Cannabinoid type 2 receptor agonist JWH-133, attenuates Okadaic acid induced spatial memory impairment and neurodegeneration in rats**
ÇAKIR M., TEKİN S., DOĞANYİĞİT Z., ERDEN Y., Soy Turk M., ÇİĞREMİŞ Y., SANDAL S.
LIFE SCIENCES, vol.217, pp.25-33, 2019 (Peer-Reviewed Journal)
- XXVIII. **In vitro cytotoxic and in vivo antitumoral activities of some aminomethyl derivatives of 2,4-dihydro-3H-1,2,4-triazole-3-thiones-Evaluation of their acetylcholinesterase and carbonic anhydrase enzymes inhibition profiles**
Timur I., KOÇYİĞİT Ü. M. , DAŞTAN T., SANDAL S., ÇERİBAŞI A. O. , Taslimi P., GÜLÇİN İ., KOPARIR M., KARATEPE M., ÇİFTÇİ M.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.33, no.1, 2019 (Peer-Reviewed Journal)
- XXIX. **Determination of in Vitro Cytotoxic Activity of new Chalcone-Phosphazene Compounds Bearing Indole and Imidazole Hetero Groups as Side Groups on A2780 and PC-3 Cancer Cell Lines**
SANDAL S., TEKİN S., Koran K., Gorgulu A. O.
ACTA PHYSIOLOGICA, vol.225, pp.32, 2018 (Peer-Reviewed Journal)
- XXX. **Effect of Cannabinoid Type 2 Receptor Activation in Okadaic Acid Induced Rat Alzheimer's Disease Model**
ÇAKIR M., DOĞANYİĞİT Z., TEKİN S., ERDEN Y., ÇİĞREMİŞ Y., SANDAL S.
ACTA PHYSIOLOGICA, vol.225, pp.41, 2018 (Peer-Reviewed Journal)
- XXXI. **Effect of Intracerebroventricular Administration of Apelin-13 on the Hypothalamus-Pituitary-Thyroid Axis and Peripheral Uncoupling Proteins**
ERDEN Y., TEKİN S., TEKİN Ç., Ozyalin F., YILMAZ Ü., ÖNALAN E., ÇİĞREMİŞ Y., ÇOLAK C., SANDAL S.
INTERNATIONAL JOURNAL OF PEPTIDE RESEARCH AND THERAPEUTICS, vol.24, no.4, pp.511-517, 2018 (Peer-Reviewed Journal)
- XXXII. **Effects of Peripheral Irisin Infusion on the Glucose Uptake in High-Fat-Diet-Induced Obese Rats**
SANDAL S., TEKİN S., ERDEN Y., Caglayan A. B. , Ozyalin F., ÇİĞREMİŞ Y., ÇOLAK C.
ACTA PHYSIOLOGICA, vol.225, pp.64, 2018 (Peer-Reviewed Journal)
- XXXIII. **Effects of central FGF21 infusion on the hypothalamus-pituitary-thyroid axis and energy metabolism in rats**
YILMAZ Ü., TEKİN S., Demir M., ÇİĞREMİŞ Y., SANDAL S.
JOURNAL OF PHYSIOLOGICAL SCIENCES, vol.68, no.6, pp.781-788, 2018 (Peer-Reviewed Journal)
- XXXIV. **Central irisin administration suppresses thyroid hormone production but increases energy consumption in rats**
TEKİN S., Erden Y., OZYALIN F., Onalan E. E. , ÇİĞREMİŞ Y., ÇOLAK C., TEKEDERELİ İ., SANDAL S.
NEUROSCIENCE LETTERS, vol.674, pp.136-141, 2018 (Peer-Reviewed Journal)
- XXXV. **Pinealectomy alters IFN-gamma and IL-10 levels in primary thymocyte culture of rats**
ŞAHİN Z., SANDAL S., YILMAZ B., BULMUŞ Ö., Ozdemir G., KUTLU S., Godekmerdan A., KELEŞTİMUR H.
CELLULAR AND MOLECULAR BIOLOGY, vol.64, no.14, pp.25-30, 2018 (Peer-Reviewed Journal)
- XXXVI. **Protective Effect of Saxagliptin Against Renal Ischemia/Reperfusion Injury in Male Rats**
TEKİN S., Beytur A., ÇAKIR M., SANDAL S.
ACTA PHYSIOLOGICA, vol.221, pp.27-28, 2017 (Peer-Reviewed Journal)
- XXXVII. **Investigation of Antiproliferative Properties of Malva neglecta Extracts**
TEKİN S., KESER S., Keser F., SANDAL S., TÜRKÖĞLU İ., KARATEPE M., TÜRKÖĞLU S.
ACTA PHYSIOLOGICA, vol.221, pp.52, 2017 (Peer-Reviewed Journal)

- XXXVIII. **Cytotoxicity Properties of Full Substituted Organocyclophosphazene Derivatives Containing chalcone-groups against A2780 and MCF-7 Cancer Cell Lines**
Durmus M., Beytur A., Celik M., Disli F., KORAN K., TEKİN S., GÖRGÜLÜ A. O. , SANDAL S.
ACTA PHYSIOLOGICA, vol.221, pp.53, 2017 (Peer-Reviewed Journal)
- XXXIX. **Investigation of The Anticarcinogenic Effects of Portulaca oleracea Extracts on Different Human Cancer Cell Lines**
SANDAL S., KESER S., TEKİN S., Keser F., TÜRKOĞLU İ., KARATEPE M.
ACTA PHYSIOLOGICA, vol.221, pp.50, 2017 (Peer-Reviewed Journal)
- XL. **Determination of Anticancer Activities of Organophosphazene Compounds Bearing Ether Groups on Human Cancer Cell Lines**
Beytur A., Demir I., KORAN K., TEKİN S., GÖRGÜLÜ A. O. , SANDAL S.
ACTA PHYSIOLOGICA, vol.221, pp.52, 2017 (Peer-Reviewed Journal)
- XLII. **Investigation of Cytotoxicity Properties of Novel Phthalocyanine Complexes Containing Chalcones Groups on Different Cancer Cell Lines**
TEKİN S., KORAN K., GÖRGÜLÜ A. O. , SANDAL S.
ACTA PHYSIOLOGICA, vol.221, pp.51, 2017 (Peer-Reviewed Journal)
- XLIII. **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 (Peer-Reviewed Journal)
- XLIV. **Determination of Cytotoxicity Properties of Oxime-Cyclotriphosphazene Derivatives Against PC-3 Cancer Cell Lines**
Calisgan S., Beytur A., Menengic K. N. , TEKİN S., KORAN K., GÖRGÜLÜ A. O. , SANDAL S.
ACTA PHYSIOLOGICA, vol.221, pp.53, 2017 (Peer-Reviewed Journal)
- XLV. **Analysis of Relationship Between Dioxin-Like and Estrogenic Bioactivity and Genotoxic Changes in Mammary Epithelial Cells with Nutritional Habits of Breastfeeding Mothers**
Agus S., Atasayan O., SANDAL S., Mete F., Eyuboglu S., YILMAZ B.
ACTA PHYSIOLOGICA, vol.221, pp.121, 2017 (Peer-Reviewed Journal)
- XLVI. **Investigation on The Effect of Nano-TiO₂ Synthesized By The Hydrothermal Method on LnCap Cancer Cells**
EMRE F. B. , OKUŞLUK F., TEKİN S., SANDAL S.
BULGARIAN CHEMICAL COMMUNICATIONS, vol.49, no.3, pp.296-300, 2017 (Peer-Reviewed Journal)
- XLVII. **Synthesis, structural and thermal characterizations, dielectric properties and in vitro cytotoxic activities of new 2,2,4,4-tetra(4'-oxy-substituted-chalcone)-6,6-diphenylcyclotriphosphazene derivatives**
Koran K., TEKİN Ç., Biryant F., TEKİN S., SANDAL S., Gorgulu A. O.
MEDICINAL CHEMISTRY RESEARCH, vol.26, no.5, pp.962-974, 2017 (Peer-Reviewed Journal)
- XLVIII. **The effects of intracerebroventricular infusion of irisin on feeding behaviour in rats**
TEKİN S., Erden Y., OZYALIN F., ÇİĞREMİŞ Y., ÇOLAK C., SANDAL S.
NEUROSCIENCE LETTERS, vol.645, pp.25-32, 2017 (Peer-Reviewed Journal)
- XLIX. **Effects of apelin on reproductive functions: relationship with feeding behavior and energy metabolism**
TEKİN S., Erden Y., SANDAL S., Onalan E. E. , OZYALIN F., Ozen H., Yilmaz B.
ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY, vol.123, no.1, pp.9-15, 2017 (Peer-Reviewed Journal)
- L. **Potential risk factors for early large pleural effusion after coronary artery bypass grafting surgery**
ÇOLAK M. C. , ÇOLAK C., ERDİL N., SANDAL S.
BIOMEDICAL RESEARCH-INDIA, vol.28, no.2, pp.625-629, 2017 (Peer-Reviewed Journal)
- L. **Synthesis, structural and thermal characterizations and in vitro cytotoxic activities of new cyclotriphosphazene derivatives**
KORAN K., TEKİN Ç., Caliskan E., TEKİN S., SANDAL S., GÖRGÜLÜ A. O.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.192, no.9, pp.1002-1011, 2017 (Peer-Reviewed Journal)

- LI. **Synthesis of 2-(2,3,4-trimethoxyphenyl)-1-(substituted-phenyl)acrylonitriles: in vitro anticancer activity against MCF-7, PC-3 and A2780 cancer cell lines**
Ozen F., TEKİN S., Koran K., SANDAL S., Gorgulu A. O.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.42, no.12, pp.7793-7805, 2016 (Peer-Reviewed Journal)
- LII. **The Effect of Melatonin on the Alzheimer's Disease: Relationship with FEZ1 Gene Expression**
DEMİR M., YILMAZ Ü., SANDAL S., ÇOLAK C., ÇİĞREMİŞ Y.
ACTA PHYSIOLOGICA, vol.218, pp.21-22, 2016 (Peer-Reviewed Journal)
- LIII. **The Effect of Hypericum scabrum on the Human Prostate, Colon and Breast Cancer**
Keser S., TEKİN S., Kaygılı O., Keser F., SANDAL S.
ACTA PHYSIOLOGICA, vol.218, pp.52, 2016 (Peer-Reviewed Journal)
- LIV. **Investigation of Anti-cancer Properties of 2,2,4,4-Tetra (4'-oxy-substituted-chalcone)-6,6-diphenylcyclophosphazene Derivatives Against Human Ovarian (A2780) and Prostate (PC-3) Cancer Cell Lines**
TEKİN Ç., Koran K., TEKİN S., SANDAL S., Gorgulu A. O.
ACTA PHYSIOLOGICA, vol.218, pp.51, 2016 (Peer-Reviewed Journal)
- LV. **A Novel Effective Myokine in the Control of Reproduction Behaviour; Irisin**
TEKİN S., Erden Y., BEYTUR A., ÇİĞREMİŞ Y., SANDAL S., TÜRKÖZ Y., TEKEDERELİ İ., BEYTUR A.
ACTA PHYSIOLOGICA, vol.218, pp.24, 2016 (Peer-Reviewed Journal)
- LVI. **Determination of Anticancer and Antimicrobial Properties of Alcea calvertii**
Keser S., TEKİN S., Kaygılı O., Keser F., Turkoglu I., Turkoglu S., Kirbag S., SANDAL S.
ACTA PHYSIOLOGICA, vol.218, pp.52, 2016 (Peer-Reviewed Journal)
- LVII. **Is there Any Relationship Between Obesity and FGF21?**
YILMAZ Ü., TEKİN S., DEMİR M., SANDAL S.
ACTA PHYSIOLOGICA, vol.218, pp.51-52, 2016 (Peer-Reviewed Journal)
- LVIII. **Does Irisin Affect Uncoupling Protein Levels in Fat and Muscle Tissues?**
TEKİN S., SANDAL S., Erden Y., Onalan E. E., ÇOLAK C.
ACTA PHYSIOLOGICA, vol.218, pp.49, 2016 (Peer-Reviewed Journal)
- LIX. **Comparison of Bioactivity of Dioxins in Breast Milk with Body Mass Index in Lactating Mothers**
Agus S., Atasayan O., SANDAL S., METE F., Eyuboglu S., Yilmaz B.
ACTA PHYSIOLOGICA, vol.218, pp.61, 2016 (Peer-Reviewed Journal)
- LX. **Neurotransmitters Levels in Experimentally Produced Alzheimer Model in Rats**
DEMİR M., YILMAZ Ü., SANDAL S., ÇOLAK C., OZYALIN F.
ACTA PHYSIOLOGICA, vol.218, pp.71, 2016 (Peer-Reviewed Journal)
- LXI. **Effects of Central FGF21 Infusion on TRH and TSH Levels**
YILMAZ Ü., TEKİN S., DEMİR M., SANDAL S., ÇİĞREMİŞ Y.
ACTA PHYSIOLOGICA, vol.218, pp.47-48, 2016 (Peer-Reviewed Journal)
- LXII. **Investigation of biological effects of some Mannich Bases containing Bis-1,2,4-Triazole**
Parlak A. E., Celik S., Karatepe M., Turkoglu S., Alayunt N. O., Dastan S. D., Ulas M., SANDAL S., TEKİN S., Koparir M.
CELLULAR AND MOLECULAR BIOLOGY, vol.62, no.7, pp.46-54, 2016 (Peer-Reviewed Journal)
- LXIII. **Effects of central irisin administration on the uncoupling proteins in rat brain**
Erden Y., TEKİN S., SANDAL S., Onalan E. E., Tektemur A., Kirbag S.
NEUROSCIENCE LETTERS, vol.618, pp.6-13, 2016 (Peer-Reviewed Journal)
- LXIV. **Synthesis, structural characterization, and in vitro anti-cancer activities of new phenylacrylonitrile derivatives**
Ozen F., TEKİN S., Koran K., SANDAL S., Gorgulu A. O.
APPLIED BIOLOGICAL CHEMISTRY, vol.59, no.2, pp.239-248, 2016 (Peer-Reviewed Journal)
- LXV. **Design, Synthesis, in vitro Antiproliferative Activity, Binding Modeling of 1,2,4-Triazoles as New Anti-Breast Cancer Agents**
Genc M., Genc Z. K., TEKİN S., SANDAL S., SIRAJUDDIN M., BEN HADDA T., Sekerci M.
ACTA CHIMICA SLOVENICA, vol.63, no.4, pp.726-737, 2016 (Peer-Reviewed Journal)
- LXVI. **Synthesis, Characterization, and Anticancer Activity of New Benzofuran Substituted Chalcones**

- Coskun D., TEKİN S., SANDAL S., Coskun A. F.
JOURNAL OF CHEMISTRY, 2016 (Peer-Reviewed Journal)
- LXVII. **Synthesis and evaluation of novel N, N'-disubstituted benzimidazolium bromides salts as antitumor agents**
KÜÇÜKBAY H., MUMCU A., TEKİN S., SANDAL S.
TURKISH JOURNAL OF CHEMISTRY, vol.40, no.3, pp.393-414, 2016 (Peer-Reviewed Journal)
- LXVIII. **Determination of antitumor properties of cyclophosphazene derivatives bearing chalcone-groups against PC-3 cell lines**
TEKİN S., Koran K., Ozen F., Gorgulu A. O. , SANDAL S.
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