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Education Information

Doctorate, Ankara University, Sağlık Bilimleri Enstitüsü, Farmakoloji (Dr) (Eczacılık), Turkey 1987 - 1992

Postgraduate, Ankara University, Sağlık Bilimleri Enstitüsü, Farmakoloji (YI) (Tezli), Turkey 1984 - 1987

Undergraduate, Ankara University, Eczacılık Fakültesi, Turkey 1980 - 1984

Dissertations

Doctorate, Farklı Diabet Tiplerinin Vasküler Reaktivitede Oluşturduğu Değişimler Üzerinde Endotel Hücrelerinin Rolü, Ankara University, Sağlık Bilimleri Enstitüsü, Farmakoloji (Dr) (Eczacılık), 1992

Postgraduate, Alloksan-Diyabetik Sıçanlardaki Kardiyak Değişimler: İnsülin ve Tiroid Hormonlarının Olası Etkileri, Ankara University, Sağlık Bilimleri Enstitüsü, Farmakoloji (YI) (Tezli), 1987

Research Areas

Health Sciences, Natural Sciences

Academic Titles / Tasks

Associate Professor, Ankara University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1995 - 2002

Research Assistant, Ankara University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1985 - 1995

Expert, University of London-Queen Mary and Westfield College, William Harvey Research Institute, Basic Medical Sciences, 1993 - 1994

Academic and Administrative Experience

Gazi University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2016 - Continues

Gazi University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2014 - 2015

Gazi University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2007 - 2015

Advising Theses

Karasu Ç., Evaluation The Role Of Endocannabinoid System In Glucolipotoxicity Induced, Amyloid- B Mediated Neurodegeneration, Doctorate, Z.ELMAZOĞLU(Student), 2020

KARASU Ç., Kardiyomiyositlerde ksantin/ksantin oksidaz ile indüklenen strese karşı, fenolik bitkisel bileşiklerin antioksidatif, anti-inflamatuvar ve sitoprotektif etkilerinin in vitro yöntemlerle araştırılması, Doctorate, N.ÖZBEK(Student), 2015

KARASU Ç., Research On Antioxidative And Cytoprotective Effects Of Phenolic Antioxidants Against Xanthine/Xanthine Oxidase-Induced Cellular Stress And Toxicity In Cardiomyocyte Cultures In Vitro, Doctorate, N.Özbek(Student), 2015

KARASU Ç., The effects of SM1EC2 as derivated pyridoindole on vascular reactivity, endothelial functions and markers of glycooxidative stress in diabetic old and young rats, Doctorate, A.ARZU(Student), 2014

KARASU Ç., Obez hastalarda diyet, egzersiz ve antiobezite ilaç uygulamalarının oksidan stres ve antioksidan savunma mekanizmaları üzerindeki etkileri, Doctorate, A.BOLGA(Student), 2009

KARASU Ç., OBEZ HASTALARDA DİYET, EGZERSİZ VE ANTİOBEZİTE İLAÇ UYGULAMALARININ OKSİDAN STRES VE ANTİOKSİDAN SAVUNMA MEKANİZMALARINI ÜZERİNDEKİ ETKİLERİ, Doctorate, A.Bolga(Student), 2008

KARASU Ç., Streptozotosin-diyabetik sıçanlarda oksidatif stresle ilişkili metabolik, vasküler ve myokardiyal değişimler üzerinde balık yağı tedavisinin etkileri: farmakolojik, biyokimyasal ve morfolojik değerlendirmeler, Postgraduate, T.HÜNKAR(Student), 2002

KARASU Ç., Streptozotosin-diyabetik sıçanlarda oksidatif stres ve vasküler reaktivite üzerine tek başına ve insülin ile kombine halde uygulanan A vitamini tedavisinin etkileri, Postgraduate, F.ZOBALI(Student), 2000

KARASU Ç., Streptozotosin-diyabetik sıçanlarda alfa-lipoik asidin antioksidan etkisinin kardiyovasküler sistem üzerinde değerlendirilmesi, Postgraduate, N.GAMZE(Student), 1999

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Thallium Induces Antiproliferative and Cytotoxic Activity in Glioblastoma C6 and U373 Cell Cultures via Apoptosis and Changes in Cell Cycle**
Rangel-López E., Robles-Bañuelos B., Guadiana-Ramírez N., Alvarez-Garduño V., Galván-Arzate S., Zazueta C., KARASU Ç., Túnez I., Tinkov A., Aschner M., et al.
Neurotoxicity Research, vol.40, pp.814-824, 2022 (Journal Indexed in SCI)
- II. **Alpha-Mangostin Alleviates the Short-term 6-Hydroxydopamine-Induced Neurotoxicity and Oxidative Damage in Rat Cortical Slices and in Caenorhabditis elegans**
Estrada-Valencia R., Ester Hurtado-Diaz M., Rangel-Lopez E., Retana-Marquez S., Tunez I., Tinkov A., KARASU Ç., Ferrer B., Pedraza-Chaverri J., Aschner M., et al.
NEUROTOXICITY RESEARCH, vol.40, pp.573-584, 2022 (Journal Indexed in SCI)
- III. **On the Biomedical Properties of Endocannabinoid Degradation and Reuptake Inhibitors: Pre-clinical and Clinical Evidence**
Paredes-Ruiz K. J. , Chavira-Ramos K., Orozco-Morales M., KARASU Ç., Tinkov A. A. , Aschner M., Santamaria A., Colin-Gonzalez A. L.
NEUROTOXICITY RESEARCH, vol.39, no.6, pp.2072-2097, 2021 (Journal Indexed in SCI)
- IV. **Platinum nanoparticles Protect Against Lipopolysaccharide-Induced Inflammation in Microglial BV-2 Cells via Decreased Oxidative Damage and Increased Phagocytosis**
Elmazoglu Z., KAYHAN H., Santamaria A., Rangel-Lopez E., Ugur P. K. , Ceylan A., Aschner M., KARASU Ç.
NEUROCHEMICAL RESEARCH, vol.46, no.12, pp.3325-3341, 2021 (Journal Indexed in SCI)
- V. **S-allylcysteine inhibits chondrocyte inflammation to reduce human osteoarthritis via targeting RAGE, TLR4, JNK, and Nrf2 signaling: comparison with colchicine**
Elmazoglu Z., AYDIN BEK Z., Saribas S. G. , Ozogul C., GÖKER B., Bitik B., AKTEKİN C. N. , KARASU Ç.
BIOCHEMISTRY AND CELL BIOLOGY, vol.99, no.5, pp.645-654, 2021 (Journal Indexed in SCI)
- VI. **Redox-active phytoconstituents ameliorate cell damage and inflammation in rat hippocampal neurons exposed to hyperglycemia+A beta 1-42 peptide**
Elmazoglu Z., Galvan-Arzate S., Aschner M., Rangel-Lopez E., BAYRAKTAR O., Santamaria A., KARASU Ç.
NEUROCHEMISTRY INTERNATIONAL, vol.145, 2021 (Journal Indexed in SCI)
- VII. **Development of Novel Indole-Based Bifunctional Aldose Reductase Inhibitors/Antioxidants as Promising Drugs for the Treatment of Diabetic Complications**
Kovacikova L., Prnova M. S. , Majekova M., Bohac A., KARASU Ç., Stefek M.
MOLECULES, vol.26, no.10, 2021 (Journal Indexed in SCI)
- VIII. **Protective Effects of Novel Substituted Triazinoindole Inhibitors of Aldose Reductase and Epalrestat**

in Neuron-like PC12 Cells and BV2 Rodent Microglial Cells Exposed to Toxic Models of Oxidative Stress: Comparison with the Pyridoindole Antioxidant Stobadine

Elmazoglu Z., Prnova M. S., Stefek M., Ceylan A. F., Aschner M., Rangel-Lopez E., Santamaria A., KARASU Ç.
NEUROTOXICITY RESEARCH, 2021 (Journal Indexed in SCI)

- IX. **Cannabinoid-profiled agents improve cell survival via reduction of oxidative stress and inflammation, and Nrf2 activation in a toxic model combining hyperglycemia+A beta(1-42) peptide in rat hippocampal neurons**
Elmazoglu Z., Rangel-Lopez E., Noel Medina-Campos O., Pedraza-Chaverri J., Tunez I., Aschner M., Santamaria A., KARASU Ç.
NEUROCHEMISTRY INTERNATIONAL, vol.140, 2020 (Journal Indexed in SCI)
- X. **URB597 Prevents the Short-Term Excitotoxic Cell Damage in Rat Cortical Slices: Role of Cannabinoid 1 Receptors**
Chavira-Ramos K., Orozco-Morales M., KARASU Ç., Tinkov A. A., Aschner M., Santamaria A., Colin-Gonzalez A. L.
NEUROTOXICITY RESEARCH, 2020 (Journal Indexed in SCI)
- XI. **Combatting Nitrosative Stress and Inflammation with Novel Substituted Triazinoindole Inhibitors of Aldose Reductase in PC12 Cells Exposed to 6-Hydroxydopamine Plus High Glucose**
Elmazoglu Z., Prnova M. S., Santamaria A., Stefek M., KARASU Ç.
NEUROTOXICITY RESEARCH, 2020 (Journal Indexed in SCI)
- XII. **TRL4, RAGE, and p-JNK/JNK mediated inflammatory aggression in osteoarthritic human chondrocytes are counteracted by redox-sensitive phenolic olive compounds: Comparison with ibuprofen**
Elmazoglu Z., Bek Z. A., SARIBAŞ G. S., ozogul C., GÖKER B., Bitik B., AKTEKİN C. N., KARASU Ç.
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, 2020 (Journal Indexed in SCI)
- XIII. **Antioxidant Mechanisms in the Neuroprotective Action of Cemtirestat: Studies in Chemical Models, Liposomes and Rat Brain Cortical Slices**
Prnova M. S., Noel Medina-Campos O., Pedraza-Chaverri J., Laura Colin-Gonzalez A., Piedra-Garcia F., Rangel-Lopez E., Kovacicova L., Ceylan A., KARASU Ç., Santamaria A., et al.
NEUROSCIENCE, vol.443, pp.206-217, 2020 (Journal Indexed in SCI)
- XIV. **Comparison of Efficacy and Safety of Two Tea Tree Oil-Based Formulations in Patients with Chronic Blepharitis: A Double-Blinded Randomized Clinical Trial**
Ergun S. B., SARIBAŞ G. S., Yarayici S., Elmazoglu Z., Cardak A., Ozogul C., İLHAN M. N., KARASU Ç., Kemer O. E.
OCULAR IMMUNOLOGY AND INFLAMMATION, vol.28, no.6, pp.888-897, 2020 (Journal Indexed in SCI)
- XV. **Thallium Toxicity in Caenorhabditis elegans: Involvement of the SKN-1 Pathway and Protection by S-Allylcysteine**
Hurtado-Diaz M. E., Estrada-Valencia R., Rangel-Lopez E., Maya-Lopez M., Colonnello A., Galvan-Arzate S., Verstraeten S. V., KARASU Ç., Tunez I., Aschner M., et al.
NEUROTOXICITY RESEARCH, vol.38, no.2, pp.287-298, 2020 (Journal Indexed in SCI)
- XVI. **Triglyceride-lowering effect of the aldose reductase inhibitor cemtirestat-another factor that may contribute to attenuation of symptoms of peripheral neuropathy in STZ-diabetic rats**
Prnova M. S., Kovacicova L., Svik K., Bezek S., Elmazoglu Z., KARASU Ç., Stefek M.
NAUNYN-SCHMIEDEBERG ARCHIVES OF PHARMACOLOGY, vol.393, no.4, pp.651-661, 2020 (Journal Indexed in SCI)
- XVII. **Luteolin protects microglia against rotenone-induced toxicity in a hormetic manner through targeting oxidative stress response, genes associated with Parkinson's disease and inflammatory pathways**
Elmazoglu Z., YAR SAĞLAM A. S., Sonmez C., KARASU Ç.
DRUG AND CHEMICAL TOXICOLOGY, vol.43, no.1, pp.96-103, 2020 (Journal Indexed in SCI)
- XVIII. **Bacopa Monnieri Protects the Directly Affected Organ as Well as Distant Organs Against I/R Injury by Modulating Anti-Inflammatory and Anti-Nitrosative Pathways in A Rat Model for Infra-Renal Aortic Occlusion**
Ozlu H., Cakir Gundogdu A., Elmazoglu Z., Take Kaplanoğlu G., Oktar L., Karasu Ç.
JOURNAL OF INVESTIGATIVE SURGERY, 2020 (Journal Indexed in SCI)

- XIX. 3-Mercapto-5H-1,2,4-Triazino[5,6-b]Indole-5-Acetic Acid (Cemtirestat) Alleviates Symptoms of Peripheral Diabetic Neuropathy in Zucker Diabetic Fatty (ZDF) Rats: A Role of Aldose Reductase**
Prnova M. S. , Svik K., Bezek S., Kovacikova L., KARASU Ç., Stefek M.
NEUROCHEMICAL RESEARCH, vol.44, no.5, pp.1056-1064, 2019 (Journal Indexed in SCI)
- XX. The Pharmacological Inhibition of Fatty Acid Amide Hydrolase Prevents Excitotoxic Damage in the Rat Striatum: Possible Involvement of CB1 Receptors Regulation**
Aguilera-Portillo G., Rangel-Lopez E., Villeda-Hernandez J., Chavarria A., Castellanos P., Elmazoglu Z., KARASU Ç., Tunez I., Pedraza G., Konigsberg M., et al.
MOLECULAR NEUROBIOLOGY, vol.56, no.2, pp.844-856, 2019 (Journal Indexed in SCI)
- XXI. Luteolin Modulates Glyco-Lipo-Oxidative Protein Modifications and Inhibits Inflammatory Cytokine Release in Human Osteoarthritic Articular Chondrocytes: Comparison with Colchicine**
GÖKER B., Elmazoglu Z., Bitik B., Aytekin C. N. , KARASU Ç.
ARTHRITIS & RHEUMATOLOGY, vol.70, 2018 (Journal Indexed in SCI)
- XXII. A pyridoindole antioxidant SMe1EC2 regulates contractility, relaxation ability, cation channel activity, and protein-carbonyl modifications in the aorta of young and old rats with or without diabetes mellitus**
Sakul A., ARI N., Sotnikova R., Ozansoy G., KARASU Ç.
GEROSCIENCE, vol.40, no.4, pp.377-392, 2018 (Journal Indexed in SCI)
- XXIII. Quercetin and hydroxytyrosol attenuates xanthine/xanthine oxidase-induced toxicity in H9c2 cardiomyocytes by regulation of oxidative stress and stress-sensitive signaling pathways**
Ozbek N., Bali E. B. , Karasu Ç.
GENERAL PHYSIOLOGY AND BIOPHYSICS, vol.34, pp.407-414, 2015 (Journal Indexed in SCI)
- XXIV. Olive Leaf Extracts Protect Cardiomyocytes against 4-Hydroxynonenal-Induced Toxicity In Vitro: Comparison with Oleuropein, Hydroxytyrosol, and Quercetin**
BALÍ E. B. , Ergin V., Rackova L., BAYRAKTAR O., Kucukboyaci N., KARASU Ç.
PLANTA MEDICA, vol.80, no.12, pp.984-992, 2014 (Journal Indexed in SCI)
- XXV. Redox status related activation of endoplasmic reticulum stress and apoptosis caused by 4-hydroxynonenal exposure in INS-1 cells**
CUMAOĞLU A., Aricioglu A., KARASU Ç.
TOXICOLOGY MECHANISMS AND METHODS, vol.24, no.5, pp.362-367, 2014 (Journal Indexed in SCI)
- XXVI. Pomegranate Seed Oil Modulates Functions and Survival of BV-2 Microglial Cells in vitro**
Rackova L., Ergin V., BALÍ E. B. , Kuniakova M., KARASU Ç.
INTERNATIONAL JOURNAL FOR VITAMIN AND NUTRITION RESEARCH, vol.84, pp.295-309, 2014 (Journal Indexed in SCI)
- XXVII. Carbonyl Stress in Aging Process: Role of Vitamins and Phytochemicals as Redox Regulators**
Ergin V., Hariry R. E. , KARASU Ç.
AGING AND DISEASE, vol.4, no.5, pp.276-294, 2013 (Journal Indexed in SCI)
- XXVIII. Age- and diabetes-induced regulation of oxidative protein modification in rat brain and peripheral tissues: Consequences of treatment with antioxidant pyridoindole**
Sakul A., Cumaoglu A., Aydin E., Ari N., DİLSİZ N., KARASU Ç.
EXPERIMENTAL GERONTOLOGY, vol.48, no.5, pp.476-484, 2013 (Journal Indexed in SCI)
- XXIX. Comparison of Melatonin Effect on Oxidant Status and Antioxidant Capacity in Liver and Heart of Young and Aged Rats**
GÜNEY Ş., Cumaoglu A., ÖZTÜRK G., AKBULUT K. G. , KARASU Ç.
INTERNATIONAL JOURNAL OF GERONTOLOGY, vol.7, no.1, pp.45-49, 2013 (Journal Indexed in SCI)
- XXX. 4,5-dianilinophtalimide protects neuroendocrine cells against serum deprivation-induced stress and apoptosis**
Ergin V., Erdogan M., KARASU Ç., Menevse A.
NEUROENDOCRINOLOGY LETTERS, vol.34, no.5, pp.359-365, 2013 (Journal Indexed in SCI)
- XXXI. Novel Hexahydropyridoindole Derivative as Prospective Agent Against Oxidative Damage in Pancreatic beta Cells**

- Rackova L., Cumaoglu A., BAĞRIAÇIK E. Ü. , Stefek M., Maechler P., KARASU Ç.
MEDICINAL CHEMISTRY, vol.7, no.6, pp.711-717, 2011 (Journal Indexed in SCI)
- XXXII. **Eye Lens in Aging and Diabetes: Effect of Quercetin**
Stefek M., KARASU Ç.
REJUVENATION RESEARCH, vol.14, no.5, pp.525-534, 2011 (Journal Indexed in SCI)
- XXXIII. **Polyphenolic Extracts from *Olea europea* L. Protect Against Cytokine-Induced beta-Cell Damage Through Maintenance of Redox Homeostasis**
Cumaoglu A., ARI N., KARTAL M., KARASU Ç.
REJUVENATION RESEARCH, vol.14, no.3, pp.325-334, 2011 (Journal Indexed in SCI)
- XXXIV. **Effect of long term, non cholesterol lowering dose of fluvastatin treatment on oxidative stress in brain and peripheral tissues of streptozotocin-diabetic rats**
Cumaoglu A., Ozansoy G., İRAT A. M. , Aricioglu A., KARASU Ç., ARI N.
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.654, no.1, pp.80-85, 2011 (Journal Indexed in SCI)
- XXXV. **Oxidant/antioxidant status in premenstrual syndrome**
Duvan C. I. , Cumaoglu A., Turhan N. O. , KARASU Ç., Kafali H.
ARCHIVES OF GYNECOLOGY AND OBSTETRICS, vol.283, no.2, pp.299-304, 2011 (Journal Indexed in SCI)
- XXXVI. **Effects of olive leaf polyphenols against H₂O₂ toxicity in insulin secreting beta-cells**
Cumaoglu A., Rackova L., Stefek M., KARTAL M., Maechler P., KARASU Ç.
ACTA BIOCHIMICA POLONICA, vol.58, no.1, pp.45-50, 2011 (Journal Indexed in SCI)
- XXXVII. **Glycoxidative and nitrosative stress in kidney of experimental diabetic rats: Effects of the pyridoindole antioxidant stobadine**
Cumaoglu A., Stefek M., Bauer V., ARI N., Aricioglu A., KARASU Ç.
NEUROENDOCRINOLOGY LETTERS, vol.31, no.3, pp.313-318, 2010 (Journal Indexed in SCI)
- XXXVIII. **Protein oxidation under extremely low frequency electric field in guinea pigs. Effect of N-acetyl-L-cysteine treatment**
GÜLER ÖZTÜRK G., Turkozer Z., ÖZGÜR BÜYÜKATALAY E., TOMRUK A., Seyhan N., KARASU Ç.
GENERAL PHYSIOLOGY AND BIOPHYSICS, vol.28, no.1, pp.47-55, 2009 (Journal Indexed in SCI)
- XXXIX. **Metabolism-induced oxidative stress is a mediator of glucose toxicity in HT22 neuronal cells**
Rackova L., Snirc V., Jung T., Stefek M., KARASU Ç., Grune T.
FREE RADICAL RESEARCH, vol.43, no.9, pp.876-886, 2009 (Journal Indexed in SCI)
- XL. **Long-age villages as a new concept for health/medical tourism Sağlık turizminde yeni bir konsept: "Uzun yaşam köyleri"**
KARASU Ç.
Turkiye Klinikleri Journal of Medical Sciences, vol.29, no.SUPPL., 2009 (Journal Indexed in SCI Expanded)
- XLI. **Synthetic antioxidants as potential medical remedies: An update of the past decade of pyridoindols**
KARASU Ç., Stefek M.
Turkiye Klinikleri Journal of Medical Sciences, vol.29, no.SUPPL., 2009 (Journal Indexed in SCI Expanded)
- XLII. **Experimental diabetes as a model of accelerated aging: Matrix collagen modifications**
Stefek M., KARASU Ç.
Turkiye Klinikleri Journal of Medical Sciences, vol.29, no.SUPPL., 2009 (Journal Indexed in SCI Expanded)
- XLIII. **Calpain 10 SNP-44 gene polymorphism affects susceptibility to type 2 diabetes mellitus and diabetic-related conditions**
Demirci H., YURTCU E., ERGÜN M. A. , Yazici A. C. , KARASU Ç., YETKİN İ.
GENETIC TESTING, vol.12, no.2, pp.305-309, 2008 (Journal Indexed in SCI)
- XLIV. **Carboxymethylated pyridoindole antioxidants as aldose reductase inhibitors: Synthesis, activity, partitioning, and molecular modeling**
Stefek M., Snirc V., Djoubissie P., Majekova M., Demopoulos V., Rackova L., Bezakova Z., KARASU Ç., Carbone V., El-Kabbani O.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.16, no.9, pp.4908-4920, 2008 (Journal Indexed in SCI)
- XLV. **Theories of biological aging: Role of oxidative stress Biyolojik yaşlanma teorileri: Oksidatif stresin Rolü**

Karasu Ç.

Turkiye Klinikleri Journal of Medical Sciences, vol.28, no.6 SUPPL., 2008 (Journal Indexed in SCI Expanded)

- XLVI. **Cod liver oil supplementation improves cardiovascular and metabolic abnormalities in streptozotocin diabetic rats**
Ceylan-Isik A, Hunkar T, Asan E, Kaymaz F, ARI N, SÖYLEMEZOĞLU T, Renda N, SONCUL H, Bali M, KARASU Ç.
JOURNAL OF PHARMACY AND PHARMACOLOGY, vol.59, no.12, pp.1629-1641, 2007 (Journal Indexed in SCI)
- XLVII. **Stobadine inhibits doxorubicin-induced apoptosis through a caspase-9 dependent pathway in P815 mastocytoma cells.**
BAĞRIAÇIK E. Ü. , Uslu K, Yurtcu E., Stefek M., Karasu Ç.
Cell biology international, vol.31, no.9, pp.979-84, 2007 (Journal Indexed in SCI Expanded)
- XLVIII. **Effects of stobadine and vitamin E in diabetes-induced retinal abnormalities: involvement of oxidative stress.**
Yulek F., Or M., Ozogul C., Isik A. C. , Ari N., Stefek M., Bauer V., Karasu Ç.
Archives of medical research, vol.38, no.5, pp.503-11, 2007 (Journal Indexed in SCI Expanded)
- XLIX. **Stobadine protects rat kidney against ischaemia/reperfusion injury.**
Guz G., Demirogullari B., Ulusu N. N. , Dogu C., Demirtola A., Kavutcu M., Omeroglu S., Stefek M., Karasu Ç.
Clinical and experimental pharmacology & physiology, vol.34, no.3, pp.210-6, 2007 (Journal Indexed in SCI Expanded)
- L. **Effects of antioxidant stobadine on protein carbonylation, advanced oxidation protein products and reductive capacity of liver in streptozotocin-diabetic rats: Role of oxidative/nitrosative stress**
Cumaoglu A., Cevik C., Rackova L., ARI N., KARASU Ç.
BIOFACTORS, vol.30, no.3, pp.171-178, 2007 (Journal Indexed in SCI)
- LI. **The effect of taurine on renal ischemia/reperfusion injury.**
Guz G., Oz E., Lortlar N., Ulusu N. N. , Nurlu N., Demirogullari B., Omeroglu S., Sert S., Karasu Ç.
Amino acids, vol.32, no.3, pp.405-11, 2007 (Journal Indexed in SCI Expanded)
- LII. **Alteration of vascular reactivity in diabetic human mammary artery and the effects of thiazolidinediones**
Irat A. M. , Aslamaci S., Karasu Ç., Ari N.
JOURNAL OF PHARMACY AND PHARMACOLOGY, vol.58, no.12, pp.1647-1653, 2006 (Journal Indexed in SCI)
- LIII. **Reactive oxygen species mediate abnormal contractile response to sympathetic nerve stimulation and noradrenaline in the vas deferens of chronically diabetic rats: effects of in vivo treatment with antioxidants.**
Gunes A., Ceylan A., Sarioglu Y., Stefek M., Bauer V., Karasu Ç.
Fundamental & clinical pharmacology, vol.19, no.1, pp.73-9, 2005 (Journal Indexed in SCI Expanded)
- LIV. **Effect of the pyridoindole antioxidant stobadine on development of experimental diabetic cataract and on lens protein oxidation in rats: comparison with vitamin E and BHT.**
Kyselova Z., Gajdosik A., Gajdosikova A., Ulicna O., Mihalova D., Karasu Ç., Stefek M.
Molecular vision, vol.11, pp.56-65, 2005 (Journal Indexed in SCI Expanded)
- LV. **Circadian variations in the activities of 6-phosphogluconate dehydrogenase and glucose-6-phosphate dehydrogenase in the liver of control and streptozotocin-induced diabetic rats.**
Ulusu N., Ozbey G., Tandogan B., Gunes A., Durakoglugil D., Karasu Ç., Uluoglu C., Zengil H.
Chronobiology international, vol.22, no.4, pp.667-77, 2005 (Journal Indexed in SCI Expanded)
- LVI. **Adenosine triphosphatase activity of streptozotocin-induced diabetic rat brain microsomes. Effect of vitamin E.**
Das Evcimen N., Ulusu N., Karasu Ç., Dogru B.
General physiology and biophysics, vol.23, no.3, pp.347-55, 2004 (Journal Indexed in SCI Expanded)
- LVII. **Simvastatin treatment restores vasoconstriction and the inhibitory effect of LPC on endothelial relaxation via affecting oxidizing metabolism in diabetic rats.**
Ceylan A., Karasu Ç., Aktan F., Ozansoy G.
Diabetes, nutrition & metabolism, vol.17, no.4, pp.203-10, 2004 (Journal Indexed in SCI Expanded)
- LVIII. **Impaired Na⁺,K⁺-ATPase activity as a mechanism of reactive nitrogen species-induced cytotoxicity**

in guinea pig liver exposed to lipopolysaccharides.

Cimen B., Turkozkan N., Seven I., Unlu A., Karasu Ç.

Molecular and cellular biochemistry, vol.259, no.1-2, pp.53-7, 2004 (Journal Indexed in SCI Expanded)

- LIX. **Effects of rosiglitazone treatment on the pentose phosphate pathway and glutathione-dependent enzymes in liver and kidney of rats fed a high-fat diet.**
Akbay E., Ulusu N., Toruner F. S., Ayvaz G., Taneri F., Akturk M., Arslan M., Karasu Ç.
Current therapeutic research, clinical and experimental, vol.65, no.1, pp.79-89, 2004 (Journal Indexed in SCI Expanded)
- LX. **Effect of stobadine on leukocyte free radical generation in streptozotocin-diabetic rats: comparison with vitamin E.**
Demiryurek A., Karasu Ç., Stefek M., Stolc S.
Pharmacology, vol.70, no.1, pp.1-4, 2004 (Journal Indexed in SCI Expanded)
- LXI. **Effects of simvastatin treatment on oxidant/antioxidant state and ultrastructure of diabetic rat myocardium.**
Ceylan A., Karasu Ç., Aktan F., Guven C., Can B., Ozansoy G.
General physiology and biophysics, vol.22, no.4, pp.535-47, 2003 (Journal Indexed in SCI Expanded)
- LXII. **Effects of vitamin E on microsomal Ca(2+) -ATPase activity and calcium levels in streptozotocin-induced diabetic rat kidney.**
Pekiner B., Evcimen N., Ulusu N., Bali M., Karasu Ç.
Cell biochemistry and function, vol.21, no.2, pp.177-82, 2003 (Journal Indexed in SCI Expanded)
- LXIII. **Pentose phosphate pathway, glutathione-dependent enzymes and antioxidant defense during oxidative stress in diabetic rodent brain and peripheral organs: effects of stobadine and vitamin E.**
Ulusu N., Sahilli M., Avci A., CANBOLAT O., Ozansoy G., Ari N., Bali M., Stefek M., Stolc S., Gajdosik A., et al.
Neurochemical research, vol.28, no.6, pp.815-23, 2003 (Journal Indexed in SCI Expanded)
- LXIV. **Effects of cod liver oil on tissue antioxidant pathways in normal and streptozotocin-diabetic rats**
Hunkar T., Aktan F., Ceylan A., Karasu Ç.
CELL BIOCHEMISTRY AND FUNCTION, vol.20, no.4, pp.297-302, 2002 (Journal Indexed in SCI)
- LXV. **In vivo treatment with stobadine prevents lipid peroxidation, protein glycation and calcium overload but does not ameliorate Ca2+ -ATPase activity in heart and liver of streptozotocin-diabetic rats: comparison with vitamin E.**
Pekiner B., Ulusu N., Das-Evcimen N., Sahilli M., Aktan F., Stefek M., Stolc S., Karasu Ç.
Biochimica et biophysica acta, vol.1588, no.1, pp.71-8, 2002 (Journal Indexed in SCI Expanded)
- LXVI. **Histomorphometric evaluation of the effect of doxycycline on the healing of bone defects in experimental diabetes mellitus: A pilot study**
Alkan A., Erdem E., Gunhan O., Karasu Ç.
JOURNAL OF ORAL AND MAXILLOFACIAL SURGERY, vol.60, no.8, pp.898-904, 2002 (Journal Indexed in SCI)
- LXVII. **Effects of vitamin A and insulin on the antioxidative state of diabetic rat heart: a comparison study with combination treatment.**
Zobali F., Avci A., CANBOLAT O., Karasu Ç.
Cell biochemistry and function, vol.20, no.2, pp.75-80, 2002 (Journal Indexed in SCI Expanded)
- LXVIII. **Elimination of O-center dot(2)-/H2O2 by alpha-lipoic acid mediates the recovery of basal EDRF/NO availability and the reversal of superoxide dismutase-induced relaxation in diabetic rat aorta**
Kocak G., Karasu Ç.
DIABETES OBESITY & METABOLISM, vol.4, no.1, pp.69-74, 2002 (Journal Indexed in SCI)
- LXIX. **Short-term gemfibrozil treatment reverses lipid profile and peroxidation but does not alter blood glucose and tissue antioxidant enzymes in chronically diabetic rats**
Ozansoy G., Akin B., Aktan F., Karasu Ç.
MOLECULAR AND CELLULAR BIOCHEMISTRY, vol.216, no.1-2, pp.59-63, 2001 (Journal Indexed in SCI)
- LXX. **Effects of peroxyntirite on the reactivity of diabetic rat aorta**
Zobali F., Cakici I., Karasu Ç.
PHARMACOLOGY, vol.63, no.1, pp.58-64, 2001 (Journal Indexed in SCI)

- LXXI. **Alpha-lipoic acid treatment ameliorates metabolic parameters, blood pressure, vascular reactivity and morphology of vessels already damaged by streptozotocin-diabetes.**
Kocak G., Aktan F., CANBOLAT O., Ozogul C., Elbeg S., Yildizoglu-Ari N., Karasu Ç.
Diabetes, nutrition & metabolism, vol.13, no.6, pp.308-18, 2000 (Journal Indexed in SCI Expanded)
- LXXII. **Troglitazone has no effect on K-ATP channel opener induced-relaxations in rat aorta and in human saphenous veins from patients with type 2 diabetes**
Yontem O., Sahilli M., Karasu Ç., ÖZÇELİKAY A. T., Altan V., Ari N.
LIFE SCIENCES, vol.68, no.5, pp.557-568, 2000 (Journal Indexed in SCI)
- LXXIII. **Time course of changes in endothelium-dependent and -independent relaxation of chronically diabetic aorta: role of reactive oxygen species**
Karasu Ç.
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.392, no.3, pp.163-173, 2000 (Journal Indexed in SCI)
- LXXIV. **Increased activity of H₂O₂ in aorta isolated from chronically streptozotocin-diabetic rats: Effects of antioxidant enzymes and enzyme inhibitors**
Karasu Ç.
FREE RADICAL BIOLOGY AND MEDICINE, vol.27, no.1-2, pp.16-27, 1999 (Journal Indexed in SCI)
- LXXV. **Acute probucol treatment partially restores vasomotor activity and abnormal lipid metabolism whereas morphological changes are not affected in aorta from long-term STZ-diabetic rats**
Karasu Ç.
EXPERIMENTAL AND CLINICAL ENDOCRINOLOGY & DIABETES, vol.106, no.3, pp.189-196, 1998 (Journal Indexed in SCI)
- LXXVI. **Changes in isoprenaline-induced endothelium-dependent and -independent relaxations of aorta in long-term STZ-diabetic rats: reversal effect of dietary vitamin E.**
Karasu Ç., Ozansoy G., Bozkurt O., Erdogan D., Omeroglu S.
General pharmacology, vol.29, no.4, pp.561-7, 1997 (Journal Indexed in SCI Expanded)
- LXXVII. **Antioxidant and triglyceride-lowering effects of vitamin E associated with the prevention of abnormalities in the reactivity and morphology of aorta from streptozotocin-diabetic rats. Antioxidants in Diabetes-Induced Complications (ADIC) Study Group.**
Karasu Ç., Ozansoy G., Bozkurt O., Erdogan D., Omeroglu S.
Metabolism: clinical and experimental, vol.46, no.8, pp.872-9, 1997 (Journal Indexed in SCI Expanded)
- LXXVIII. **EFFECTS OF ANTIOXIDANT TREATMENT ON SCIATIC-NERVE DYSFUNCTION IN STREPTOZOTOCIN-DIABETIC RATS - COMPARISON WITH ESSENTIAL FATTY-ACIDS**
KARASU Ç., DEWHURST M., STEVENS E., TOMLINSON D.
DIABETOLOGIA, vol.38, no.2, pp.129-134, 1995 (Journal Indexed in SCI)
- LXXIX. **Effects of non-insulin dependent diabetes mellitus on the reactivity of human internal mammary artery and human saphenous vein.**
KARASU Ç., SONCUL H., ALTAN V.
Life sciences, vol.57, no.2, pp.103-12, 1995 (Journal Indexed in SCI Expanded)
- LXXX. **THE ROLE OF THE ENDOTHELIUM ON ENHANCED CONTRACTILE RESPONSE OF NON-INSULIN-DEPENDENT DIABETIC RAT AORTAE - EFFECTS OF INSULIN-TREATMENT**
KARASU Ç., ALTAN V.
GENERAL PHARMACOLOGY, vol.25, no.4, pp.795-802, 1994 (Journal Indexed in SCI)
- LXXXI. **THE ROLE OF ENDOTHELIAL-CELLS ON THE ALTERATIONS IN VASCULAR REACTIVITY INDUCED BY INSULIN-DEPENDENT DIABETES-MELLITUS - EFFECTS OF INSULIN-TREATMENT**
KARASU Ç., ALTAN V.
GENERAL PHARMACOLOGY, vol.24, no.3, pp.743-755, 1993 (Journal Indexed in SCI)
- LXXXII. **THE EFFECT OF ORAL VANADYL TREATMENT ON THE REACTIVITY OF TRACHEAL SMOOTH-MUSCLE OBTAINED FROM INSULIN-DEPENDENT DIABETIC RATS**
OZANSOY G., KARASU Ç., ÖZÇELİKAY A. T.
GENERAL PHARMACOLOGY, vol.24, no.1, pp.115-119, 1993 (Journal Indexed in SCI)
- LXXXIII. **THE EFFECTS OF ACETYLCHOLINE ON INSULIN-DEPENDENT AND NON-INSULIN-DEPENDENT**

DIABETIC RAT TRACHEAL SEGMENTS

OZANSOY G., KARASU Ç., ALTAN V.

GENERAL PHARMACOLOGY, vol.24, no.1, pp.159-164, 1993 (Journal Indexed in SCI)

- LXXXIV. **Cardioplegia with adenosine and adenosine triphosphate in the isolated guinea pig heart.**
SONCUL H., ERSOZ A., GOKGOZ L., KARASU Ç., AYRANCIOGLU K., SINCI V., ALTAN M.
Japanese heart journal, vol.33, no.6, pp.843-50, 1992 (Journal Indexed in SCI Expanded)
- LXXXV. **Effect of ATP and verapamil as cardioplegic additives in the isolated guinea pig heart.**
SONCUL H., GOKGOZ L., AYRANCIOGLU K., KARASU Ç., KALAYCIOGLU S., ERSOZ A.
General pharmacology, vol.23, no.5, pp.909-13, 1992 (Journal Indexed in SCI Expanded)
- LXXXVI. **Dipyridamole induced myocardial recovery after global ischemia.**
GOKGOZ L., SONCUL H., SINCI V., KARASU Ç., KAPTANOGLU M., YENER A., ERSOZ A.
General pharmacology, vol.23, no.3, pp.435-7, 1992 (Journal Indexed in SCI Expanded)
- LXXXVII. **Comparison of potassium and adenosine cardioplegia with or without verapamil in the isolated guinea pig heart.**
SONCUL H., GOKGOZ L., KARASU Ç., AYRANCIOGLU K., ERSOZ A., ALTAN M., YENER A.
General pharmacology, vol.23, no.1, pp.89-93, 1992 (Journal Indexed in SCI Expanded)
- LXXXVIII. **Thyroid hormones mediated effect of insulin on alloxan diabetic rat atria.**
KARASU Ç., OZTURK Y., ALTAN N., YILDIZOGLUARI N., IKIZLER C., ALTAN V.
General pharmacology, vol.21, no.5, pp.735-40, 1990 (Journal Indexed in SCI Expanded)
- LXXXIX. **THE EFFECTS OF TYPE-1 AND TYPE-2 DIABETES ON ENDOTHELIUM-DEPENDENT RELAXATION IN RAT AORTA**
ALTAN V., KARASU Ç., OZUARI A.
PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR, vol.33, no.3, pp.519-522, 1989 (Journal Indexed in SCI)
- XC. **DECREASED GASTROINTESTINAL RESPONSES TO SALBUTAMOL AND SEROTONIN IN STREPTOZOTOCIN-INDUCED DIABETES - IMPROVING EFFECT OF INSULIN INVIVO AND INVITRO**
YILDIZOGLUARI N., ALTINKURT O., OZTURK Y., ALTAN V., PEKINER C., KARASU Ç.
GENERAL PHARMACOLOGY-THE VASCULAR SYSTEM, vol.19, no.5, pp.665-668, 1988 (Journal Indexed in SCI)
- XCI. **ALTERED RESPONSES TO CALCIUM AND TRIFLUOPERAZINE IN K+- DEPOLARIZED DUODENUM FROM ALLOXAN DIABETIC RATS**
OZTURK Y., YILDIZOGLU N., ALTAN V., KARASU Ç.
PHARMACOLOGICAL RESEARCH COMMUNICATIONS, vol.19, no.9, pp.597-608, 1987 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Evaluation of phenolic compounds and protective effects of olive (*Olea europaea* L.) leaf extracts on endothelial cells against hydrogen peroxide-induced toxicity**
Torul H., Kucukboyaci N., Tamer U., Karasu Ç.
JOURNAL OF RESEARCH IN PHARMACY, vol.24, no.4, pp.497-507, 2020 (Journal Indexed in ESCI)
- II. **General toxicity assessment of the novel aldose reductase inhibitor cemtirestat.**
Prnová M. Š., Račková L., Kováčiková L., Balleková J., Viskupičová J., Micháliková S., Taşkoparan B., Elmazoğlu Z., Rižner T. L., Karasu Ç., et al.
Interdisciplinary toxicology, vol.12, no.3, pp.120-128, 2019 (Refereed Journals of Other Institutions)
- III. **Evaluation of colloidal platinum on cytotoxicity, oxidative stress and barrier permeability across the gut epithelium**
Tuncer S., Colakoglu M., ULUSAN S., ERTAŞ G., KARASU Ç., BANERJEE S.
HELIYON, vol.5, no.3, 2019 (Journal Indexed in ESCI)
- IV. **The Protective Effect of Stobadine on Lipid Peroxidation and Paraoxonase-1 Enzyme Activity in the Liver Tissues of Streptozotocin- Induced Diabetic Rats**
Nurlu Ayan N., KARASU Ç., KAVUTÇU M.
Medeniyet Medical Journal, 2019 (Refereed Journals of Other Institutions)

- V. **Oleuropein and rutin protect against 6-OHDA-induced neurotoxicity in PC12 cells through modulation of mitochondrial function and unfolded protein response**
Elmazoglu Z., ERGİN V., ŞAHİN E., KAYHAN H., KARASU Ç.
Interdisciplinary Toxicology, vol.10, no.4, pp.129-141, 2018 (Refereed Journals of Other Institutions)
- VI. **Antioxidant SMe1EC2 modulates pentose phosphate pathway and glutathione-dependent enzyme activities in tissues of aged diabetic rats**
ULUSU N. N. , GÖK M., ŞAKUL A. A. , STEFEK M., KARASU Ç.
Interdisciplinary Toxicology, vol.10, no.4, pp.148-154, 2018 (Refereed Journals of Other Institutions)
- VII. **Flaxseed Protects Against Diabetes Induced Glucotoxicity by Modulating Pentose Phosphate Pathway and Glutathione Dependent Enzyme Activities in Rats**
GÖK M., ULUSU N. N. , TARHAN N., CAN T., OZANSOY F. G. , ARI N., KARASU Ç.
Journal of dietary supplements, vol.13, no.3, pp.339-351, 2016 (Refereed Journals of Other Institutions)
- VIII. **NON CHOLESTEROL LOWERING DOSE OF ATORVASTATIN AMELIORATES DIABETIC VENTRICULAR MYOCYTE DYSFUNCTION IN MICE**
KARASU Ç., ARI N., OZANSOY F. G. , CEYLAN IŞIK A. F. , AKTAN F., CUMAOĞLU A., ARICIOĞLU A.
International Journal of Pharmacy, vol.5, no.1, pp.23-32, 2015 (Refereed Journals of Other Institutions)
- IX. **Natural products and the ageing process**
ERGİN V., BALI E. B. , Hariry R., KARASU Ç.
Hormones and Ageing, vol.16, no.2, pp.55-64, 2013 (Refereed Journals of Other Institutions)
- X. **Hydrogen peroxide-induced inhibition of vasomotor activity: evaluation of single and combined treatments with vitamin A and insulin in streptozotocin-diabetic rats.**
Zobali F., Besler T., Ari N., Karasu Ç.
International journal of experimental diabetes research, vol.3, no.2, pp.119-30, 2002 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **İnsülin analogları ve fizikokimyasal stabilite**
KARASU Ç.
in: Hızlı etkili insülinler ve insülin pompa etkisi, İlhan Yetkin, Editor, Cinius yayınları, pp.64-71, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **Redox Based Nutrition for Sustainable Health**
KARASU Ç.
5th International Eurasian Congress on 'Natural Nutrition, Healthy Life Sport, 2 - 06 October 2019
- II. **Therapeutic Potential of Olive Leaf Polyphenols (ZeyEX®) in Human Osteoarthritic Chondrocytes In Vitro.**
Elmazoglu Z., BİTİK B., AKTEKİN C. N. , GÖKER B., KARASU Ç.
The Fifth International Mediterranean Symposium on Medicinal and Aromatic Plants., 24 - 26 April 2019
- III. **Control of Osteoarthritis Pathogenesis by Redox Active Compounds. The 5th International Symposium on Pharmaceutical and Biomedical Sciences.**
KARASU Ç.
The Fifth International Symposium on Pharmaceutical and Biomedical Sciences., 26 - 28 April 2019
- IV. **NutriREDOX: Redox Active PhytoNutrients for the Prevention of Diabetic Complications.**
KARASU Ç.
GETAT-2019, 24 - 28 April 2019
- V. **Neuroprotective Effects of Active Phytoconstituents Against Aβ1-42-Mediated Injury in High Glucose-Induced Primary Hippocampal Neurotoxicity: In Vitro Hyperglycemic Alzheimer's Disease**

Model.

KARASU Ç., SANTAMARIA A., RangelLopez E., Elmazoglu Z.

The Fifth International Mediterranean Symposium on Medicinal and Aromatic Plants, 26 - 28 April 2019

- VI. **Novel Carboxymethylated Mercaptotriazinoindole Derivatives as Potential inhibitors of Aldo-Keto Reductase (AKR1B1) Ameliorate Hyperglycemia Mediated and 6-OHDA-induced Neurotoxicity in PC12 Cells: In Vitro Hyperglycemic Parkinson's Disease Model.**
Elmazoglu Z., KOVACIKOVA L., STEFEK M., KARASU Ç.
The Fifth International Symposium on Pharmaceutical and Biomedical Sciences., 26 - 28 April 2019
- VII. **Effects of cemtirestat on GSH/GSSG, caspase-3 and protein carbonyl of liver and lung in a rat model of diabetes induced by high fructose diet and streptozotocin: a comparative study with stobadine and epalrestat.**
CEYLAN IŞIK A. F. , KARASU Ç., Elmazoglu Z., STEFEK M.
TOXCON2019, Slovakia, 27 - 29 June 2019, vol.12
- VIII. **Aldose reductase inhibitors in the prevention of diabetic neuro-degenerative diseases: studies in cell culture models of Alzheimer's disease and Parkinson's disease under hyperglycemic conditions.**
Elmazoglu Z., CEYLAN IŞIK A. F. , KOVACIKOVA L., STEFEK M., SOLTESOVA PRNOVA M., KARASU Ç.
TOXCON2019, 27 - 29 June 2019, vol.12
- IX. **S-ALLYL-L-CYSTEINE ATTENUATES INFLAMMATION RELATED OXIDATIVE STRESS PARAMETERS AND INCREASES ADHESION CAPACITY OF PRIMARY HUMAN OSTEOARTHRITIC ARTICULAR CHONDROCYTES**
Elmazoglu Z., Bek Z. A. , GÖKER B., Bitik B., AKTEKİN C. N. , Tezcan M. E. , KARASU Ç.
Annual European Congress of Rheumatology (EULAR), Madrid, Spain, 12 - 15 June 2019, vol.78, pp.1514-1515
- X. **Luteolin Modulates Glyco-Lipo-Oxidative Protein Modifications and Inhibits Inflammatory Cytokine Release in Human Osteoarthritic Articular Chondrocytes: Comparison with Colchicine**
GÖKER B., ELMAZOĞLU Z., BİTİK B., AKTEKİN C. N. , KARASU Ç.
ACR/ARHP Annual Meeting, Chicago, 21 - 24 October 2018, vol.70, pp.1990
- XI. **Novel Aldose Reductase Inhibitors Based on Carboxymethylated Mercapto-Triazino-Indole Scaffold: Drug Design and Biological Activity**
KARASU Ç., STEFEK M., BEZEK S., KOVACIKOVA L., MAJEKOVA M., SOLTESOVA M., SIVİK K.
1st INTERNATIONAL BALKAN CHEMISTRY CONGRESS, 17 - 20 September 2018
- XII. **Cemtirestat attenuated neurological disorders in rat models of type I and type II diabetes: a behavioral study**
SOLTESOVA M., KOVACIKOVA L., BEZEK S., SIVİK K., KARASU Ç., STEFEK M.
8th International Congress of Pathophysiology, ICP-2018, 5 - 08 September 2018
- XIII. **Diyabeteziteye multidisipliner yaklaşım**
KARASU Ç.
Obeziteye multidisipliner yaklaşım, Turkey, 23 - 24 October 2017
- XIV. **Blefarite karşı geliştirilmiş kozmetik temizleme jellerinde etkinlik ve güvenilirlik değerlendirmeleri için klinik araştırmalar**
KARASU Ç., Ergün Ş. B. , Sarıbaş S., Sait Y., Elmazoğlu Z., ÖZOĞUL C., Kemer Ö. E.
Uluslararası Katılımlı !. Kozmetik Kongresi, Turkey, 26 - 28 October 2017
- XV. **Kronik Blefaritli hastalarda Blefar-Ex Plus jelinin etkinlik ve güvenilirliğinin değerlendirilmesi**
Ergun Ş. B. , SARIBAŞ G. S. , Yarayıcı S., Elmazoğlu Z., Çardak A., ÖZOĞUL C., KARASU Ç., Kemer Ö. E.
TOD 55. Ulusal Kongresi, Turkey, 24 October - 29 November 2017
- XVI. **Amiloid Beta Peptid 1-42 İle Oluşturulan Deneysel Alzheimer Modelinde PSD-95 İnhibitörünün Nöronal Koruma, Öğrenme Ve Hafıza Fonksiyonları Üzerine Etkisi**
YAR SAĞLAM A. S. , ELMAZOĞLU Z., GÜNEY Ş., ÖNEN H. İ. , SEYMEN C. M. , TAKE KAPLANOĞLU G., KARASU Ç., MENEVŞE E. S.
XV. Ulusal Tıbbi Biyoloji Ve Genetik Kongresi, 26 - 29 October 2017
- XVII. **Amiloid beta peptid 1-42 ile oluşturulan deneysel alzheimer modelinde PSD-95 inhibitörünün nöronal koruma, öğrenme ve hafıza fonksiyonları üzerine etkisi**

Yar Sađlam A. S. , Elmazođlu Z., Gney Ő., nen H. İ. , Seymen C. M. , Take Kaplanođlu G., Karasu ., MenevŐe E. S.
XV. Ulusal Tıbbi Biyoloji ve Genetik Kongresi, Antalya, Turkey, 26 - 29 October 2017

- XVIII. BLEFARİTE KARŐI GELİŐTİRİLMİŐ KOZMETİK TEMİZLEME JELLERİNDE ETKİNLİK VE GVENLİLİK DEđERLENDİRMELERİ İİN KLİNİK ARAŐTIRMALAR**
KARASU .
1. ULUSLARARASI KATILIMLI KOZMETİK KONGRESİ, 26 - 28 October 2017
- XIX. Diabesity as a redox disease**
KARASU .
2nd International Gazi PharmaSymposium, Turkey, 11 - 15 October 2017
- XX. EFFECTS OF A NOVEL CARBOXYMETHYLATED MERCAPTOTRIAZINOINDOLE INHIBITOR OF ALDO-KETO REDUCTASE IN IN VITRO GLUCOLIPOTOXICITY MODEL FOR HIPPOCAMPAL NEURODEGENERATION**
KARASU ., YARAYICI S., ELMAZOđLU Z., YAR SAđLAM A. S. , AYDIN BEK Z.
67. Őesko-Slovensk farmakologick dni, 2 - 04 October 2017
- XXI. PROTECTIVE EFFECTS OF OLIVE POLYPHENOLS AGAINST NEUROTOXIN-INDUCED CELLULAR MODEL OF PARKINSON'xxS DISEASE**
KARASU ., ELMAZOđLU Z.
67. Őesko-Slovensk farmakologick dni, 2 - 04 October 2017
- XXII. TARGETING OXIDATIVE DEGENERATION BY REDOX MODULATING PHYTOCONSTITUENTS IN OSTEOARTHRITIC ARTICULAR CHONDROCYTE CULTURES**
KARASU ., BİTİK B., ELMAZOđLU Z., YARAYICI S., AYDIN BEK Z., AKTEKİN C. N. , GKER B.
67. Őesko-Slovensk farmakologick dni, 2 - 04 October 2017
- XXIII. Effects of a novel carboxymethylated mercaptotriazinoindole inhibitor of aldo-keto reductase in in vitro glucolipotoxicity model for hippocampal neurodegeneration.**
YARAYICI S., ELMAZOđLU Z., YAR SAđLAM A. S. , STEFEK M., KARASU .
The 67th Czech and Slovak Pharmacological Days, 2 - 04 October 2017
- XXIV. Targeting Redox Signaling by Phytophenols in Chondrocytes Isolated from Human Osteoarthritic Articular Cartilage in vitro**
KARASU ., BİTİK B., YARAYICI S., GKER B., AKTEKİN C. N. , ELMAZOđLU Z.
The NutRedOx COST Action CA16112 the 6th NutriOx Atelier 2017, 27 - 29 September 2017
- XXV. Kronik blefaritli hastalarda Blefar-Ex Plus jelinin etkinlik ve gvenirliđinin deđerlendirilmesi**
Berk Ergun Ő., SARIBAŐ G. S. , Yarayıci S., Elmazođlu Z., ardak A., ZOđUL C., KARASU ., EVREN KEMER .
TOD 51. Ulusal Kongresi, Antalya, Turkey, 24 - 29 August 2017
- XXVI. Blefarite KarŐi GeliŐtirilmiŐ Kozmetik Temizleme Jellerinde Etkinlik ve Gvenlilik Deđerlendirmeleri iin Klinik AraŐtırmalar**
KARASU ., Berk Ergun Ő., SARIBAŐ G. S. , Yarayıci S., Elmazođlu Z., ZOđUL C., EVREN KEMER .
1. Uluslararası Katılımlı Kozmetik Kongresi, Antalya, Turkey, 26 - 28 August 2017
- XXVII. The REGENERA Project**
KARASU .
Final meeting of Cost Action BM1203 EU-ROS: New concepts and views in redox biology and oxidative stress research, 07 November 2015 - 10 November 2016
- XXVIII. Novel phytoconstituents for early management of neurodegenerative diseases**
KARASU .
International Congress of Aesthetic Dermatology and Antiaging Medicine, Sao-Paulo, Brazil, 16 - 18 June 2016
- XXIX. Glycation AGEs and carbonyl stress inhibitors as a novel anti aging strategy**
KARASU .
International Congress of Aesthetic Dermatology and Healty Aging Medicine, Sao-Paulo, Brazil, 16 - 18 June 2016
- XXX. Pomegranate Seed Oil Attenuates Cardiac Cell Death Induced by 4 hydroxy 2 nonenal Regulation of Cellular Survival**
CEYLAN IŐIK A., BALİ E. B. , KARASU .
The British Pharmacological Society's flagship annual meeting, Londrina, Brazil, 15 - 17 December 2015

XXXI. KOZMETİK ÜRÜNLERİN KLİNİK DERMATOLOJİK AÇIDAN DEĞERLENDİRİLMESİ

KARASU Ç.

3. EGE KOZMETİK GÜNLERİ, İzmir, Turkey, 15 - 17 May 2015

XXXII. Targeting AGEs ALEs for anti aging strategy

KARASU Ç.

13th Aesthetic & Anti-aging Medicine World Congress, Monte-Carlo, Monaco, 26 - 28 March 2015

XXXIII. The effect of rosiglitazone and pioglitazone on myocardial apoptosis

Erkan A., Karasu Ç., Yalcin R.

Annual Conference on Arteriosclerosis, Thrombosis, and Vascular Biology, Illinois, United States Of America, 19 - 21 April 2007, vol.27

Supported Projects

KARASU Ç., Project Supported by Higher Education Institutions, Osteoartrit (OA) Patogenezinde Polifenolik Bileşiklerin Redox Stres Aracılı Hasara Karşı Rejeneratif Etkileri ve Etki Mekanizmalarının Araştırılması, 2018 - Continues

KARASU Ç., Project Supported by Higher Education Institutions, Gazi Üniversitesi Tıp Fakültesi Tıbbi Farmakoloji Anabilim Dalı Laboratuvar Cihazlarının (inkübatör) Bakım ve Onarımı, 2019 - 2020

KARASU Ç., Project Supported by Higher Education Institutions, Gazi Üniversitesi Tıp Fakültesi Tıbbi Farmakoloji AD 402 Numaralı Laboratuvarında Bulunan HPLC Cihazının Tamiri, 2019 - 2020

KARASU Ç., Project Supported by Higher Education Institutions, Gazi Üniversitesi Tıp Fakültesi Tıbbi Farmakoloji Anabilim Dalı Laboratuvar Cihazlarının (mikroskop) Bakım ve Onarımı, 2019 - 2020

KARASU Ç., Project Supported by Higher Education Institutions, İndüklenmiş sitotoksikite modellerinde, *Olea europaea* L. yaprak ekstresi, oleuropein ve hidroksitirozol'ün antiapoptotik ve protektif etkilerinin H9c2 miyojenik hücre dizilerinde araştırılması, 2012 - 2018

KARASU Ç., Project Supported by Higher Education Institutions, Kardiyomiyositlerde ksantin/ksantin oksidaz ile indüklenen strese karşı, fenolik bitkisel bileşiklerin antioksidatif, anti-inflamatuvar ve sitoprotektif etkilerinin in vitro yöntemlerle araştırılması, 2012 - 2015

KARASU Ç., Project Supported by Higher Education Institutions, Diyabetik genç ve yaşlı sıçanlarda piridoindol türevi SM1EC1' in vasküler reaktivite, endotel fonksiyonları ve gliko-oksidatif stres belirteçleri üzerine etkileri, 2010 - 2013

KARASU Ç., Project Supported by Higher Education Institutions, Sitokinlerle indüklenen sitotoksikite modelinde "(±)-8-methoxy-1,3,4,4a,5,9b-hexahydro-pyrido[4,3-b]indole-2-carboxylic acid ethyl ester" (SMe1EC2)'in hücre canlılığı, serbest radikal düzeyi, insülin saliverilmesi ve apoptotik sinyal iletimi yolağında görevli proteinler üzerindeki etkilerinin INS-1 hücrelerinde araştırılması, 2011 - 2012

KARASU Ç., Project Supported by Higher Education Institutions, Obez Hastalarında Diyet, Egzersiz ve antiobezite ilaç (Orlistat ve Sibutramin) Uygulamalarının Oksidan Stres ve Antioksidan Savunma Mekanizmaları Üzerindeki Etkileri, 2007 - 2010

KARASU Ç., Project Supported by Higher Education Institutions, Piridoindol türevi antioksidanların vasküler etkilerinin Diyabet modellerinde araştırılması: in vivo ve in vitro moleküler çalışmalar, 2004 - 2010

KARASU Ç., Project Supported by Higher Education Institutions, Antioksidan "Stobadin"ın Kardiyovasküler ve Renovasküler Etkilerinin Deneysel Diyabet Modelinde Değerlendirilmesi, 2003 - 2010

Citations

Total Citations (WOS):1673

h-index (WOS):23