

## **Prof. Selda OKTAYOĞLU**

### **Personal Information**

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### **International Researcher IDs**

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Publons / Web Of Science ResearcherID: AAC-6517-2020

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### **Education Information**

Doctorate, Istanbul University, Institute of Graduate Studies In Sciences, Biyoloji Bölümü, Turkey 2005 - 2010

Postgraduate, Istanbul University, Institute of Graduate Studies In Sciences, Biyoloji Bölümü, Turkey 2001 - 2005

Undergraduate, Istanbul University, Faculty Of Science, Department of Biology, Turkey 1997 - 2001

### **Foreign Languages**

English, B2 Upper Intermediate

### **Certificates, Courses and Trainings**

Other, Genom Biyolojisi ve Uygulamalı Biyoinformatik Kursu, İstanbul Tıp Fakültesi, 2016

Other, Mezenkimal Kök Hücre Uygulamalı Kursu, Kocaeli Üniversitesi, Tıp Fakültesi, Kök Hücre ve Gen Tedavileri

Araştırma ve Uygulama Merkezi, 2011

Other, Uluslararası Katılımlı Proteomik Çalıştay-Teorik ve Pratik, İstanbul Üniversitesi, Fen Fakültesi, Moleküler Biyoloji ve Genetik Bölümü, 2010

Other, Real Time PCR Çalıştay, İstanbul Üniversitesi Moleküler Biyoloji ve Genetik Bölümü., 2008

Other, Introduction to Confocal Microscopy and its Application, İstanbul Teknik Üniversitesi, 2006

Other, 2nd Training Course on Concepts and Methods in Programmed Cell Death, -, 2005

Other, Deney Hayvanları Uygulama ve Etik Kursu, İstanbul Üniversitesi Cerrahpaşa Tıp Fakültesi., 2005

Other, Uygulamalı IX. Flow Sitometri Eğitimi, İstanbul Üniversitesi Tıp Fakültesi, 2003

### **Dissertations**

Doctorate, Streptozotosin Verilen Sıçanların Pankreas Beta Hücrelerinde Sinir Büyüme Faktörünün Apoptoz

Mekanizmasına Etkileri , Istanbul University, Faculty of Science, Department of Biology, 2009

Postgraduate, BALB/c Farelerde D-Galaktozamin/Tümör Nekroz Faktör-Alfa ile Oluşturulan Karaciğer Hasarında

Apoptoz ve Katepsin B'nin Rolü., Istanbul University, Faculty of Science, Department of Biology, 2005

## Research Areas

Life Sciences, Molecular Biology and Genetics, Natural Sciences

## Academic Titles / Tasks

Professor, Istanbul University, Faculty of Science, Department of Biology, 2018 - Continues

Associate Professor, Istanbul University, Faculty of Science, Department of Biology, 2014 - 2018

Associate Professor, Istanbul University, Faculty of Science, Department of Biology, 2012 - 2014

Research Assistant PhD, Istanbul University, Faculty of Science, Department of Biology, 2010 - 2012

Research Assistant, Istanbul University, Faculty of Science, Department of Biology, 2002 - 2010

## Courses

KÖK HÜCRE ve DOKU MÜHENDİSLİĞİ, Doctorate, 2019 - 2020

MOLECULAR BASES AND THERAPEUTIC APPROACHES OF VARIOUS DISEASES-I, Doctorate, 2019 - 2020

İleri Moleküler Biyoloji, Postgraduate, 2015 - 2016

Hücre Ölümünün Moleküler Mekanizmaları, Postgraduate, 2015 - 2016

Moleküler Biyoloji Teknikleri, Undergraduate, 2012 - 2013

Moleküler Biyoloji, Undergraduate, 2012 - 2013

Öğretim Teknolojileri ve Materyal Tasarımı, Undergraduate, 2013 - 2014

Kök Hücre Biyolojisine Giriş, Undergraduate, 2013 - 2014

## Advising Theses

Oktayoğlu S., Molecular Energy Sensors and the Role of Metabolic Changes in Pancreatic Beta Cell Differentiation, Postgraduate, E.ÇELİK(Student), 2019

OKTAYOĞLU S., İNSÜLİN DİRENCİ GELİŞİMİNDE PANKREATİK BETA-HÜCRE FARKLILAŞMASININ MOLEKÜLER MEKANİZMASININ İN VİTRO ARAŞTIRILMASI, Postgraduate, M.ERÇİN(Student), 2017

OKTAYOĞLU S., PANKREATİK  $\beta$ -HÜCRE FARKLILAŞMASINDA BAZI HİSTON DEASETİLAZLARIN ROLÜ, Postgraduate, E.Çoşkun(Student), 2016

## Jury Memberships

Doctorate, Tez Savunma Jürisi, Marmara Üniversitesi, October, 2015

Post Graduate, Tez Savunma Jürisi, Marmara Üniversitesi, June, 2015

Post Graduate, Tez Savunma Jürisi, İstanbul Üniversitesi, March, 2015

Post Graduate, Tez Savunma Jürisi, İstanbul Üniversitesi, February, 2014

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

- I. **Preconditioning of human umbilical cord mesenchymal stem cells with deferoxamine potentiates the capacity of the secretome released from the cells and promotes immunomodulation and beta cell regeneration in a rat model of type 1 diabetes**  
Isildar B., Ozkan S., ŞAHİN H., ERÇİN M., Gezginci-Oktayoglu S., KOYUTÜRK M.  
International Immunopharmacology, vol.129, 2024 (SCI-Expanded)
- II. **Investigation of conditioned medium properties obtained from human umbilical cord mesenchymal**

**stem/stromal cells preconditioned with dimethyloxallylglycine in a correlation with ultrastructural changes**

Olcar H. N., Isildar B., Ozkan S., ERÇİN M., Gezginci-Oktayoglu S., KOYUTÜRK M.

Microscopy Research and Technique, vol.87, no.1, pp.159-171, 2024 (SCI-Expanded)

- III. **THERAPEUTIC EFFECTS OF CONDITIONED MEDIUM FROM HUMAN UMBILICAL CORD MESENCHYMAL STEM CELLS WITH/WITHOUT DEFEROXAMINE-PRECONDITIONING ON THE SEVERE TYPE 1 DIABETES MODEL IN RATS**  
Isildar B., ÖZKAN S., Sahin H., Ercin M., Gezginci-Oktayoglu S., Koyuturk M.  
CYTOTHERAPY, no.6, 2023 (SCI-Expanded)
- IV. **EVALUATION OF MESENCHYMAL STEM CELLS PROCONDITIONED WITH DIMETHYLOXALYLGLYCINE WITH RESPECT TO CHANGES IN CELLULAR AND SECRETORY PROFILES**  
Ozkan S., Olcar H., Isildar B., Ercin M., Gezginci-Oktayoglu S., Koyuturk M.  
CYTOTHERAPY, no.6, 2023 (SCI-Expanded)
- V. **Physiological and gene expression responses of the mussel *Mytilus galloprovincialis* to low pH and low dissolved oxygen**  
BELİVERMİŞ M., KILIÇ Ö., Gezginci-Oktayoglu S., Sezer N., Demiralp S., Şahin B., Dupont S.  
Marine Pollution Bulletin, vol.187, 2023 (SCI-Expanded)
- VI. **UR-144, synthetic cannabinoid receptor agonist, induced cardiomyoblast toxicity mechanism comprises cytoplasmic Ca<sup>2+</sup> and DAPK1 related autophagy and necrosis**  
Akar M., Ercin M., Boran T., Gezginci-Oktayoglu S., Özhan G.  
TOXICOLOGY MECHANISMS AND METHODS, vol.33, no.1, pp.56-64, 2023 (SCI-Expanded)
- VII. **Therapeutic potential of conditioned medium obtained from deferoxamine preconditioned umbilical cord mesenchymal stem cells on diabetic nephropathy model**  
Ozkan S., Isildar B., Ercin M., Gezginci-Oktayoglu S., Konukoglu D., Neşetoğlu N., Oncul M., Koyuturk M.  
STEM CELL RESEARCH & THERAPY, vol.13, no.1, 2022 (SCI-Expanded)
- VIII. **2D and 3D cultured human umbilical cord-derived mesenchymal stem cell-conditioned medium has a dual effect in type 1 diabetes model in rats: immunomodulation and beta-cell regeneration**  
Isildar B., Ozkan S., ERÇİN M., OKTAYOĞLU S., Oncul M., Koyuturk M.  
INFLAMMATION AND REGENERATION, vol.42, no.1, 2022 (SCI-Expanded)
- IX. **Metformin induces mitochondrial remodeling and differentiation of pancreatic progenitor cells into beta-cells by a potential mechanism including suppression of the T1R3, PLCβ2, cytoplasmic Ca<sup>2+</sup>, and AKT.**  
Celik E., Ercin M., Bolkent S., Gezginci-Oktayoglu S.  
Journal of physiology and biochemistry, vol.78, no.4, pp.869-883, 2022 (SCI-Expanded)
- X. **Exendin-4 inhibits small intestinal glucose sensing and absorption through repression of T1R2/T1R3 sweet taste receptor signalling in streptozotocin diabetic mice.**  
Ercin M., Gezginci-Oktayoglu S., Bolkent S.  
Translational research : the journal of laboratory and clinical medicine, vol.246, pp.87-101, 2022 (SCI-Expanded)
- XI. **Vitamin U prevents valproic acid-induced liver injury through supporting enzymatic antioxidant system and increasing hepatocyte proliferation triggered by inflammation and apoptosis**  
Celik E., Tunali S., Gezginci-Oktayoglu S., BOLKENT Ş., Can A., Yanardag R.  
TOXICOLOGY MECHANISMS AND METHODS, vol.31, no.8, pp.600-608, 2021 (SCI-Expanded)
- XII. **Aspartame induces cancer stem cell enrichment through p21, NICD and GLI1 in human PANC-1 pancreas adenocarcinoma cells**  
Gezginci-Oktayoglu S., Ercin M., Sancar S., Celik E., Koyuturk M., Bolkent S., Bolkent S.  
FOOD AND CHEMICAL TOXICOLOGY, vol.153, 2021 (SCI-Expanded)
- XIII. **miR-375 induces adipogenesis through targeting Erk1 in pancreatic duct cells under the influence of sodium palmitate.**  
Gezginci-Oktayoglu S., Sancar S., Karatug-Kacar A., Bolkent S.  
Journal of cellular physiology, vol.236, pp.3881-3895, 2021 (SCI-Expanded)
- XIV. **Protective Effects of an Oxovanadium(IV) Complex with N2O2 Chelating Thiosemicarbazone on Small**

### **Intestine Injury of STZ-Diabetic Rats**

Tunali S., Gezginci-Oktayoglu S., Bolkent S., Coskun E., Bal-Demirci T., Ulkuseven B., Yanardag R.  
Biological Trace Element Research, vol.199, no.4, pp.1515-1523, 2021 (SCI-Expanded)

- XV. **Tub and beta-catenin play a key role in insulin and leptin resistance-induced pancreatic beta-cell differentiation**  
Ercin M., Sancar-Bas S., Bolkent S., Gezginci-Oktayoglu S.  
BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH, vol.1865, no.12, pp.1934-1944, 2018 (SCI-Expanded)
- XVI. **4-Methylcatechol prevents streptozotocin-induced acute kidney injury through modulating NGF/TrkA and ROS-related Akt/GSK3 beta/beta-catenin pathways**  
Gezginci-Oktayoglu S., Coskun E., Ercin M., Bolkent S.  
INTERNATIONAL IMMUNOPHARMACOLOGY, vol.64, pp.52-59, 2018 (SCI-Expanded)
- XVII. **4-Methylcatechol stimulates apoptosis and reduces insulin secretion by decreasing betacellulin and inhibin beta-A in INS-1 beta-cells.**  
Karatug Kacar A., Gezginci-Oktayoglu S., Bolkent S.  
Human & experimental toxicology, vol.37, no.11, pp.1123-1130, 2018 (SCI-Expanded)
- XVIII. **Involvement of dying beta cell originated messenger molecules in differentiation of pancreatic mesenchymal stem cells under glucotoxic and glucolipotoxic conditions.**  
Gezginci-Oktayoglu S., Onay-Ucar E., Sancar-Bas S., Karatug-Kacar A., Arda E. S. N., Bolkent S.  
Journal of cellular physiology, vol.233, no.5, pp.4235-4244, 2018 (SCI-Expanded)
- XIX. **The Role of Epigenetic Regulation and Pluripotency-Related MicroRNAs in Differentiation of Pancreatic Stem Cells to Beta Cells**  
Coskun E., Ercin M., Gezginci-Oktayoglu S.  
JOURNAL OF CELLULAR BIOCHEMISTRY, vol.119, no.1, pp.455-467, 2018 (SCI-Expanded)
- XX. **Exendin-4 partly ameliorates - hyperglycemia-mediated tissue damage in lungs of streptozotocin-induced diabetic mice**  
Oztay F., Sancar-Bas S., Gezginci-Oktayoglu S., Ercin M., Bolkent S.  
PEPTIDES, vol.99, pp.99-107, 2018 (SCI-Expanded)
- XXI. **A matter of regeneration and repair: Caspases as the key molecules**  
Bolkent S., Öztay F., Oktayoğlu S., Sancar Baş S., Karatug Kaçar A.  
Turkish Journal Of Biology, vol.40, no.2, pp.333-352, 2016 (SCI-Expanded)
- XXII. **Prostaglandin-E1 has a protective effect on renal ischemia/reperfusion-induced oxidative stress and inflammation mediated gastric damage in rats.**  
Gezginci-Oktayoglu S., Orhan N., Bolkent S.  
International immunopharmacology, vol.36, pp.142-150, 2016 (SCI-Expanded)
- XXIII. **Vitamin U has a protective effect on valproic acid-induced renal damage due to its anti-oxidant, anti-inflammatory, and anti-fibrotic properties.**  
GEZGINCI-OKTAYOGLU S., TURKYILMAZ I., Ercin M., YANARDAG R., BOLKENT S.  
Protoplasma, vol.253, pp.127-35, 2016 (SCI-Expanded)
- XXIV. **Nerve Growth Factor Neutralization Suppresses beta-Cell Proliferation Through Activin A and Betacellulin**  
Gezginci-Oktayoglu S., Karatug A., Bolkent S.  
PANCREAS, vol.44, no.2, pp.243-249, 2015 (SCI-Expanded)
- XXV. **Exendin-4 attenuates renal tubular injury by decreasing oxidative stress and inflammation in streptozotocin-induced diabetic mice.**  
Sancar-Bas S., Gezginci-Oktayoglu S., Bolkent S.  
Growth factors (Chur, Switzerland), vol.33, pp.419-29, 2015 (SCI-Expanded)
- XXVI. **Chard (Beta vulgaris L. var. cicla) extract ameliorates hyperglycemia by increasing GLUT2 through Akt2 and antioxidant defense in the liver of rats.**  
Gezginci-Oktayoglu S., Sacan O., Bolkent S., Ipci Y., KABASAKAL L., ŞENER G., Yanardag R.  
Acta histochemica, vol.116, no.1, pp.32-9, 2014 (SCI-Expanded)

- XXVII. **Acute effects of methiocarb on oxidative damage and the protective effects of vitamin E and taurine in Wistar rat liver and kidney.**  
Özden S., Çatalgöl B., GEZGİNCİ-OKTAYOĞLU S., Karatug A., Bolkent Ş., Alpertunga B.  
Toxicol Indust Health, vol.29, no.1, pp.60-71, 2013 (SCI-Expanded)
- XXVIII. **The relation among NGF, EGF and insulin is important for triggering pancreatic  $\beta$  cell apoptosis.**  
GEZGİNCİ-OKTAYOĞLU S., Karatug A., Bolkent Ş.  
Diabetes Metab Res Rev, vol.28, no.8, pp.654-662, 2012 (SCI-Expanded)
- XXIX. **Ras signaling in NGF reduction and TNF- $\alpha$ -related pancreatic  $\beta$  cell apoptosis in hyperglycemic rats.**  
GEZGİNCİ-OKTAYOĞLU S., Bolkent Ş.  
APOPTOSIS, vol.17, pp.14-24, 2012 (SCI-Expanded)
- XXX. **Exendin-4 improves hepatocyte injury by decreasing proliferation through blocking NGF/TrkA in diabetic mice**  
Gezginci-Oktayoglu S., Sacan O., Yanardag R., Karatug A., Bolkent S.  
PEPTIDES, vol.32, no.2, pp.223-231, 2011 (SCI-Expanded)
- XXXI. **4-Methylcatechol prevents NGF/p75(NTR)-mediated apoptosis via NGF/TrkA system in pancreatic  $\beta$  cells.**  
GEZGİNCİ-OKTAYOĞLU S., Bolkent Ş.  
NEUROPEPTIDES, vol.45, pp.143-150, 2011 (SCI-Expanded)
- XXXII. **Z-FA.FMK activates duodenal epithelial cell proliferation through oxidative stress, NF- $\kappa$ B and IL-1 $\beta$  in D-GalN/TNF- $\alpha$ -administered mice.**  
GEZGİNCİ-OKTAYOĞLU S., Bolkent Ş., Bayrak B. B., Yanardağ R.  
Cell Biol Int, vol.34, pp.543-552, 2010 (SCI-Expanded)
- XXXIII. **Cathepsin B inhibition improves lung injury associated to D-galactosamine/tumor necrosis factor- $\alpha$ -induced liver injury in mice.**  
Oztay F., Gezginci-Oktayoglu S., Bayrak B. B., Yanardag R., Bolkent S.  
Molecular and cellular biochemistry, vol.333, pp.65-72, 2010 (SCI-Expanded)
- XXXIV. **Methiocarb-induced oxidative damage following subacute exposure and the protective effects of vitamin E and taurine in rats**  
Ozden S., Catalgol B., Gezginci-Oktayoglu S., Arda-Pirincci P., Bolkent S., Alpertunga B.  
FOOD AND CHEMICAL TOXICOLOGY, vol.47, no.7, pp.1676-1684, 2009 (SCI-Expanded)
- XXXV. **Exendin-4 exerts its effects through the NGF/p75NTR system in diabetic mouse pancreas.**  
GEZGİNCİ-OKTAYOĞLU S., Bolkent Ş.  
BIOCHEMISTRY AND CELL BIOLOGY-BIOCHIMIE ET BIOLOGIE CELLULAIRE, vol.87, pp.641-651, 2009 (SCI-Expanded)
- XXXVI. **The effects of combined treatment of antioxidants on liver injury in STZ diabetic rats.**  
GEZGİNCİ-OKTAYOĞLU S., Başaraner H., Yanardağ R., Bolkent Ş.  
Dig Dis Sci, vol.54, pp.538-546, 2009 (SCI-Expanded)
- XXXVII. **Effects of Z-FA.FMK on D-galactosamine/tumor necrosis factor- $\alpha$ -induced kidney injury and oxidative stress in mice**  
Gezginci-Oktayoglu S., Tunalı S., Yanardag R., Bolkent S.  
MOLECULAR AND CELLULAR BIOCHEMISTRY, vol.309, pp.8-20, 2008 (SCI-Expanded)
- XXXVIII. **The effect of Z-FA.FMK on D-galactosamine/TNF- $\alpha$ -induced liver injury in mice**  
GEZGİNCİ-OKTAYOĞLU S., Bolkent Ş.  
Cell Biochem Funct, vol.25, pp.277-286, 2007 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Cathepsin B inhibition by Z-FA.FMK blocks TNF- $\alpha$ /D-GalN-induced oxidative damage through increasing antioxidant defence in the brain of mice**  
Gezginci-Oktayoglu S., Turkyilmaz İ. B., YANARDAĞ R., Bolkent S.

IUFS JOURNAL OF BIOLOGY, vol.71, no.2, pp.81-93, 2012 (Peer-Reviewed Journal)

- II. **Effects of taurine and vitamin E on lipid peroxidation, antioxidant system and histological changes in Wistar rat liver and kidney after short-term exposure of methiocarb.**

Özden S., BOLKENT Ş., GEZGİNCİ OKTAYOĞLU S., Arda Pirincci P., KARATUĞ A., ALPERTUNGA B.

Journal of Faculty of Pharmacy of Istanbul University, vol.42, no.2, pp.83-102, 2012 (Peer-Reviewed Journal)

- III. **The Effects of Streptozotocin in Different Dose and Administration Time on Pancreatic Islet Cells of Rats. IUFS J of Biol**

GEZGİNCİ-OKTAYOĞLU S.

IUFS JOURNAL OF BIOLOGY, vol.70, no.2, pp.43-51, 2011 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Insulin regulation in development and obesity.**

Hiriart Urdanivia M., Navvaro Tableros V., Velasco M M., Larque C C., Cabrera Vasquez S., Sanchez Soto C C., Infante M., GEZGİNCİ-OKTAYOĞLU S.

in: Advances in obesity-diabetes research at UNAM, Hiriart-Urdanivia M., Mas-Olivia J., Editor, Manual Moderno, Mexico City, pp.69-79, 2010

## Refereed Congress / Symposium Publications in Proceedings

- I. **İnsan göbek kordonu mezenkimal kök hücrelerinin deferoksamin ile ön koşullandırılmasıyla elde edilen şartlandırılmış medyumun STZ ile indüklenen sıçan diyabet modeli üzerine etkileri**

Oktayoğlu S., Işıldar B., Erçin M., Koyutürk M.

26. Ulusal Elektron Mikroskopi Kongresi, Eskişehir, Turkey, 20 - 23 September 2023, pp.52-53

- II. **Mesenchymal Stem/Stromal Cells: THERAPEUTIC EFFECTS OF CONDITIONED MEDIUM FROM HUMAN UMBILICAL CORD MESENCHYMAL STEM CELLS WITH/WITHOUT DEFEROXAMINE-PRECONDITIONING ON THE SEVERE TYPE 1 DIABETES MODEL IN RATS**

Işıldar B., Erçin M., Oktayoğlu S., Koyutürk M.

ISCT2023, Paris, France, 31 May - 03 June 2023, vol.25, no.6, pp.3-4

- III. **Mesenchymal Stem/Stromal Cells: EVALUATION OF MESENCHYMAL STEM CELLS PROCONDITIONED WITH DIMETHYLOXALYLGLYCINE WITH RESPECT TO CHANGES IN CELLULAR AND SECRETORY PROFILES**

Işıldar B., Erçin M., Oktayoğlu S., Koyutürk M.

ISCT2023, Paris, France, 31 May - 03 June 2023, vol.25, no.6, pp.5-6

- IV. **Role of Progenitor Cells in Metabolic Diseases Associated with Insulin Resistance**

Oktayoğlu S.

I. International Advances in Molecular Biology Congress, İstanbul, Turkey, 19 - 22 September 2022

- V. **Administration of Exendin-4 to Diabetic Mice Reduces Blood Glucose Levels By Suppressing Sweet Taste Receptor Signaling**

Erçin M., Oktayoğlu S.

VII. Tıbbi Biyoloji ve Genetik Kongresi, İstanbul, Turkey, 28 - 31 October 2021, pp.137-138

- VI. **Metformin Induces Mitochondrial Remodeling and Differentiation of Pancreatic Progenitor Cells into Beta-Cells by Suppressing T1R3/PLCβ2/Ca+2/CAMKK2/LKB1/AKT Pathway**

Çelik E., Erçin M., Bolkent Ş., Oktayoğlu S.

İstinye Üniversitesi Kök Hücre ve Doku Mühendisliği Sempozyumu, İstanbul, Turkey, 27 - 28 February 2021, pp.84-85

- VII. **Glucotoxicity Causes Pancreatic Beta and Duct Cells to Mutually Suppress Each Other's Function via miR -335 Targeted Runx2 and Insulin-Mediated Mechanism**

Oktayoğlu S., Sancar S., Karatuğ Kaçar A., Bolkent Ş.

İstinye Üniversitesi Kök Hücre ve Doku Mühendisliği Sempozyumu, İstanbul, Turkey, 27 - 28 February 2021, pp.86-87

- VIII. **Aspartame Induces Cancer Stem Cell Enrichment Through P21, NICD And GLI1 In Human Pancreas Adenocarcinoma Cells**  
Erçin M., Sancar S., Çelik E., Koyutürk M., Bolkent H. S., Oktayoğlu S., Bolkent Ş.  
İstinye Üniversitesi Kök Hücre ve Doku Mühendisliği Sempozyumu, İstanbul, Turkey, 27 - 28 February 2021, pp.91-92
- IX. **THE EFFECT OF INSULIN AND LEPTIN RESISTANCE ON PANCREATIC BETA-CELL DIFFERENTIATION**  
Erçin M., Oktayoğlu S.  
5th BBDC-JOSLIN-UCPH conference Prevention of Beta Cell Dysfunction in T1D and T2D: Role of Inter-organ Communication, Kobenhavn, Denmark, 26 - 27 October 2018, pp.25
- X. **Effects of an Oxovanadium (IV) Complex with N2O2 Chelating Thiosemicarbazone on Small Intestine Injury of Diabetic Rats**  
TUNALI S., OKTAYOĞLU S., BOLKENT Ş., Çoskun E., BAL DEMİRCİ T., ÜLKÜSEVEN B., YANARDAĞ R.  
6 th EuCheMS Chemistry Congress, Sevilla, Spain, 11 - 15 September 2016
- XI. **Exendin-4 Attenuated Diabetes-Mediated Lung Injury in Mice**  
BOLKENT Ş., ÖZTAY F., SANCAR BAŞ S., OKTAYOĞLU S.  
XXVIII. World Congress World Association of Societies of Pathology and Laboratory Medicine (WASPALM): on the forefront of personalized medicine, Cancun, Mexico, 18 - 21 December 2015, pp.91
- XII. **Exendin-4 impairs intestinal tissue damage through its proliferative and anti-fibrotic effects in diabetic rats**  
Ercin M., Gezginci-Oktayoglu S., Bolkent S.  
40th Congress of the Federation-of-European-Biochemical-Societies (FEBS) - The Biochemical Basis of Life, Berlin, Germany, 4 - 09 July 2015, vol.282, pp.152-153
- XIII. **4-methylcatechol prevents hyperglycemia-induced inflammation and acute renal failure**  
Coskun E., Gezginci-Oktayoglu S., Bolkent S.  
40th Congress of the Federation-of-European-Biochemical-Societies (FEBS) - The Biochemical Basis of Life, Berlin, Germany, 4 - 09 July 2015, vol.282, pp.153
- XIV. **The curative effects of exendin-4 on renal oxidative damage, inflammation and fibrosis in diabetic mice**  
Gezginci-Oktayoglu S., Sancar-Bas S., Bolkent S.  
40th Congress of the Federation-of-European-Biochemical-Societies (FEBS) - The Biochemical Basis of Life, Berlin, Germany, 4 - 09 July 2015, vol.282, pp.148
- XV. **Reversing effect of vitamin U on valproic acid-induced renal damage through its antioxidant, anti-inflammatory and anti-fibrotic properties**  
Gezginci-Oktayoglu S., Turkyilmaz I. B., Ercin M., Yanardag R., Bolkent S.  
FEBS EMBO 2014 Conference, Paris, France, 30 August - 04 September 2014, vol.281, pp.162
- XVI. **Prostaglandin E(1) reduces renal ischemia/ reperfusion-induced gastric damage through its anti-inflammatory and anti-oxidative effects**  
Gezginci-Oktayoglu S., Orhan N., Bolkent S.  
38th Congress of the Federation-of-European-Biochemical-Societies (FEBS), Saint Peter, Guernsey And Alderney, 6 - 11 July 2013, vol.280, pp.289
- XVII. **4-Methylcatechol suppresses liver injury through blocking ROS production in the liver of hyperglycemic rats**  
Sancar-Bas S., Gezginci-Oktayoglu S., Bolkent S.  
38th Congress of the Federation-of-European-Biochemical-Societies (FEBS), Saint Peter, Guernsey And Alderney, 6 - 11 July 2013, vol.280, pp.290
- XVIII. **The relation between NGF and activin A is important for triggering pancreatic b cell apoptosis**  
Oktayoğlu S., Karatug Kaçar A., Bolkent Ş.  
The FEBS Journal, Sevilla, Spain, 4 - 09 September 2012, pp.145-146
- XIX. **NGF regulates EGF NGF and insulin at the expression synthesis and secretion levels in beta cells of**

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