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PERSONAL

Place of Birth	Ankara
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EDUCATION

1997-2004	Middle East Technical University, Biochemistry, Ph.D.
1993-1997	Middle East Technical University, Science Education, Biochemistry, Msc
1988-1993	Middle East Technical University, Biology Education, B.S. □

ACADEMIC POSITIONS

2002-2005	Instructor, Chemistry Group, Engineering Faculty, Atılım University, Turkey
2005	Assit. Prof. Dr, Chemistry Group, Engineering Faculty, Atılım University, Turkey
2015	Assoc. Prof. Dr, Chemical Engineering and Applied Chemistry Department, Atılım University, Turkey
2021-	Professor Chemical Engineering Department, Atılım University, Turkey

RESEARCH INTERESTS

1	Biochemistry
2	Biochemistry and Biotechnology Applications
3	Controlled Release Systems
4	Pharmaceutical Technologies
5	Molecular Biology, Biotechnological Applications of nanomaterials, Tissue Engineering

PUBLICATIONS

1	Ozkan, A (Ozkan, Akin); Isgor, SB (Isgor, Sultan Belgin); Sengul, G (Sengul, Gokhan); Isgor, YG (Isgor, Yasemin Gulgun), Benchmarking Classification Models for Cell Viability on Novel Cancer Image Datasets; CURRENT BIOINFORMATICS Volume: 14 Issue: 2 Pages: 108-114 DOI: 10.2174/1574893614666181120093740 Published: 2019
2	Özkan, A. , İşgör, S.B. , Şengül, G. , İşgör, Y.G. “Computer vision based automated cell counting pipeline: A case study for HL60 cancer cell on hemocytometer”. Biomedical Research (India), 29 (14), pp. 2956-2962, 2018.

3	Khalid Sharro ABDALRAHMAN, Merve Gülşah GÜNEŞ, Naznoosh SHOMALI, Belgin Sultan İŞGÖR, Özlem YILDIRIM ; Screening Effects of Methanol Extracts of <i>Diplotaxis tenuifolia</i> and <i>Reseda lutea</i> on Enzymatic Antioxidant Defense Systems and Aldose Reductase Activity; <i>Turk J Pharm Sci</i> 2018;15(1):97-102. DOI: 10.4274/tjps.82473
4	Isgor, BS (Isgor, Belgin S.); Isgor, YG (Isgor, Yasemin G.); Geven, F (Geven, Fatmagul); Cellular Defense Enzyme Profile for Non-cytotoxic and Phenol Enriched Extracts of <i>Heliotropium europaeum</i> , <i>Carlina oligocephala</i> and <i>Echinops ritro</i> ; <i>Int. J. Pharma (International Journal Of Pharmacology)</i> , Volume:14 Issue: 2 Pages: 224-238 DOI:10.3923/ijp.2018.224.238 Published: 2018 .
5	S Koc, B.S Isgor, Y.G Isgor, Shomali Moghaddam N, O Yildirim, The potential medicinal value of plants from Asteraceae family with antioxidant defense enzymes as biological targets., <i>Pharm Biol.</i> , 23, 1-6; published: 2015.
6	Naznoosh Shomali Moghaddam, Belgin S. Isgor, Yasemin G. Isgor, Fatmagul Geven, Ozlem Yildirim,, The Evaluation Of Inhibitory Effects Of Selected Plant Extracts On Antioxidant Enzymes, Fresenius Environmental Bulletin , 746-751; 2015
7	Kurt, Z. K., Aydin, D., Isgor, Y. G., Isgor, B. S., & Olgen, S., Synthesis and Biological Study of Novel Indole-3-Imine-2-on Derivatives as Src Kinase and Glutathione S-Transferase Inhibitors., Letters in Drug Design & Discovery , 10(1) , 19-26, 2013 .
8	B.S Isgor, Y.G Isgor, S. Ozalp-Yaman, Role of Metal Coordination Complexes on Cytosolic Cellular Defense, IUPAC Pure and Applied Science , 85(2) , 365-375, 2013 .
9	T Keskin, BS Isgor , YG Isgor, F Yukruk (2012), Evaluation of Perylenediimide derivatives for potential therapeutic benefits on cancer chemotherapy, Chemical Biology & Drug Design , 80 , 675-681
10	B.S Isgor, Z.Kilic-Kurt, Y.G Isgor, S. Olgen (2012), Indole derivatives as SRC family kinase and glutathione S-transferase inhibitors: Evaluation of their selectivity and drug resistance properties, Turk. J. Pharm Sci , 9(2) , 151-160
11	B.S Isgor , Y.G Isgor (2012), Effect of Alpha-1-Adrenoceptor Blocker on Cytosolic Enzyme Targets for Potential use in Cancer Chemotherapy, International Journal of Pharmacology , 8(5) , pp.333-343
12	S.Uğurlu, M.Konus, B.İşgör, M.İşcan (2007), Pyrethroid resistance and possible involvement of glutathione S-transferases in <i>Helicoverpa armigera</i> from Turkey, Phytoparasitica , 36 , 23-26
13	Y.S.Geylan-Su, B.İşgör, T.Çoban, et al. (2006), . Comparison of NAT1, NAT2 & GSTT2-2 activities in normal and neoplastic human breast tissues, Neoplasma , 52 , 73-78
14	C.Uğuz, M.İşcan, A.Ergüven, B.İşgör, I.Togan (2003), The bioaccumulation of nonylphenol and its adverse effects on the liver of rainbowtrout (<i>Onchorynchus mykiss</i>), Environmental Reasearch , 92 , 262-270
15	Merve G. Güneş, Belgin S. Isgor, Yasemin G. Isgor, Fatmagul Geven, Ozlem Yildirim (2014), The Effects of <i>Eryngium campae</i> Extarcats on Glutathione-S- Transferase, Glutathione Peroxidase and Catalase Enzyme Activities, Turkish Journal of Pharmaceutical Sciences , 11(3) , 339-346
16	Y.G Isgor , B.S Isgor (2011), Kinases and Glutathione Transferases: selective and sensitive targeting, Frontiers in Biology , DOI: 10.1007/s11515-011-1112-z. , 6(2) , 156-169

PROJECTS

1.	TÜBİTAK ARDEB 217Z111Yakın Kızılötesi Bölgede Yüksek Işık-Isı Çevrimine Sahip Özgün Nanoyapıların Hazırlanması, Fototermal Etkinliklerinin ve Toksisitelerinin Araştırılması TÜBİTAK (01/06/2018- 1/11/2020)(Araştırmacı).
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2.	TUBITAK-COST-109T548-2010:"Okzim Türevi Ligandlar İçeren Yeni Platin (II) komplekslerinin Sentezi, Elektrokimyasal Karakterizasyonu ve Antioksidatif Antikanser Etkileri" başlıklı projede antioksidan ve antikanser çalışmalarından sorumlu araştırmacı (2010-2012). (Araştırmacı)
3.	Ankara Üniversitesi-BAP Proje No: 13L4240003,"Ankara Etrafından Toplanan Bazı Bitkilerden Elde Edilen Ekstrelerin Total Antioksidan Kapasiteleri ve Antioksidan Enzim Aktiviteleri Üzerine Etkileri" (Araştırmacı)
4.	Ankara Üniversitesi-BAP Proje No: 09B3336002, (2009-2011): "Src Tirozin Kinaz Enzimi İçin Orjinal Olarak Tasarlanmış Yeni Küçük Molekül İnhibitörlerin Sentezi, Karakterizasyonu ve Orta Hızda Tarama Metoduna Dayalı Kinaz Profillerinin Oluşturulması İle Enzime Seçici Yeni ve Özgün İnhibitörlerin Bulunması"(Araştırmacı)
5.	DPT Projesi DPT-19755-Yürütücü- (ATU-P2006-06): kodlu ve "İmge İşleme Tabanlı Otomatik Hücre Analiz Sistemi-TOMA Kullanılarak Boya-Dışlama Esaslı Hücre Sayımı, Canlılık Sayımı ve Hücre Morfolojisi Analizi" başlıklı projede:proje fikri hakkı ve sayısal olarak işlenmek üzere hücre örnekleri ile görüntülerinin sağlanmasından sorumlu araştırmacı ve proje yürütücüsü (2006-2010) (Yürütücü)
6.	Atılım Üniversitesi Bilimsel Araştırma Projesi BAP-A-1112-02 kodlu ve "Kontrollü İlaç Salımı için Aljinat Nanotaşıyıcı Sistemler: in vitro Etkilerinin İncelenmesi" başlıklı projede: proje yürütücüsü (Şubat 2012-2014). (Yürütücü)

CONFERENCE PRESENTATIONS

1	Sultan Belgin İŞGÖR, Yasemin Gülgün İŞGÖR Amani M. M. Salem, Hanan S. S. Aljadi “In Vitro Analysis Of Acellular And Cellular Effects Of Doxazosin On GST and SOD/Dozasozin ‘in GST ve SOD Üzerine Etkilerinin Asellüler ve Sellüler İncelenmesi” P28B2 Gevher Nesibe 4. Uluslararası Sağlık Bilimleri Kongresi 23-24 Kasım, Ankara ,Türkiye, 2019.
2	Yasemin Gülgün İŞGÖR, Sultan Belgin İŞGÖR , Mustafa Maged, Ahmed Eid A.A. Elbanna “The Effect Of Diltiazem And Captopril On Glutathione Mediating Enzymes GST And GPX/ Diltiazem ve Captopril’in Glutatyon Aracılıklı GST ve GPX Enzimlerine Etkisi” P28B1 Gevher Nesibe 4. Uluslararası Sağlık Bilimleri Kongresi 23-24 Kasım Ankara, Türkiye, 2019
3	Akın ÖZKAN, Sultan Belgin İŞGÖR, Yasemin Gülgün İŞGÖR Microscopic Image Clustering Software for Cell Viability Labeling; International Science and Academic Congress'18; Uluslararası Bilim ve Akademi Kongresi'18, 8-9 Aralık 2018 , Konya-Türkiye, Bildiriler Kitabı, Cilt 1, s.167, 2018.
4	Belgin S. Isgor, Yasemin G. Isgor,Nazli Balkan; The Effect Of Combined Drug Treatment On HL60 Leukemia Cell Survival : Drug Repurposing; 451st International Conference on Natural Science and Environment (ICNSE) Event, Proceedings Of The International Institute Of Engineers And Researchers (IIER) International Conference, Kiev, Ukraine, 17th-18th July 2018 .
5	S. Belgin İşgör, Mustafa Maged, Yasemin G. İşgör, The effect of Diltiazem and Verapamil on Cytosolic Enzymes: Old Drugs New Tricks; 5th International Bahçeşehir University Drug Design Congress, 19-21 October 2017 , İstanbul, Turkey. Abstract Book p51.
6	Yasemin G. İşgör, Muna Faraj, S. Belgin İşgör; The Effect of Beta-Blocker Drugs on Primary Antioxidant Defense Enzymes; 5th International Bahçeşehir University Drug Design Congress, 19-21 October 2017 , İstanbul, Turkey. Abstract Book p53.
7	Umran Aydemir Sezer, Yasemin G. Isgor, Belgin S. Isgor, (2013), The Analysis Of Alginate Nanocarriers With Novel Cross-Linkers: The Effect Of Cross-Linker On Drug Release And Biological Activity, The International Porous and Powder Materials Symposium (PPM2013), September 2013, Izmir, Turkey (SÖZLÜ SUNUM)
8	Ozlem Yildirim, Ergin Murat Altuner, Ilgaz Akata, Kerem Canli, Yasemin G. Isgor, Belgin S. Isgor, Sercan Cadirci and Elif Cakiroglu, Society for Industrial Microbiology and Biotechnology (SIMB) annual meeting and Exhibition 2013, bildiri kitapçığı “Biocatalysis, Environmental, Natural Products” bölümü sunumları ndaki “In vitro antimicrobial screening and antioxidant activity of Scleroderma verrucosum, Sarcodon imbricatus,Cantharellus cibarius”, poster, bildiri kitapçığı no 24964, p88, San Diego, California, ABD, August 11-15, 2013 , august 11-15 .
9	B.S.Isgor, Y.G.Isgor, S. Ozalp-Yaman (2012), The Role of Metal Coordination Complexes on Nuclear and Cytosolic Cellular Defense” , Corfu, Greece, April 16-21, 12th Eurasia Conference on Chemical Sciences Conference, In Abstract Book of 12th Eurasia conference, at the Pharmaceutical Chemistry and Drugs Section, the Oral Presentation (by Isgor BS)
10	B.S Isgor, Y.G Isgor, F Korkmaz, O. Ozgen, S Ertan, (2012), on "Success Trends of Engineering Students in Science Courses: 3 years survey", 34 pp., Antalya, Turkey, October 31-November3, 2012, 2nd International Engineering Education Conference, in “pedagogical approaches and assessment of engineering education” section of the abstract book, the oral presentation
11	A.Ozkan, S.B Isgor, H.Tora, P. Uyar, M. Iscan, (2011), "An Alternative Method for Cell Counting",, IEEE Conference Publications (IEEE Xplore), 11:1048-1051 pp., 2011 , DOI: 10.1109/ SIU
12	B.S Isgor, Y.G Isgor and S Ozalp-Yaman (2011), The selected kinase and transferase inhibition profiles of novel oxime derivatives of platinum complexes,, International Conference on Enzyme Science and Technology (ICEST), In Abstract Book of ICEST, Oral the presentation 31 October- 04 November Kuşadası Turkey , p27

13	B.S Isgor and S.Ozalp-Yaman (2011), Glutathione S-Transferase Inhibitory activity of Novel Platinum Complexes with Ligands of Oxime Derivatives,, 36th FEBS Congress : Biochemistry for tomorrow's medicine,Torino (Turin), Italy; June 2011 s., (2011)
14	M Onay, N Coruh, S.B Isgor, (2011), Kinetic studies on glyceraldehyde concentration of bovine lens aldose reductase, " , s., (2011), 36th FEBS Congress ?Biochemistry for tomorrow's medicine",Torino (Turin), Italy; June 2011 " ,
15	M Onay, N Coruh, B Isgor, (2010), 1.1.4.B-10. Aldose reductase natural inhibitors from ethyl acetate extracts from southern Turkey,, (ISSX) DRUG METABOLISM REVIEWS, Suppl.1. s.(42) 170
16	B.S Isgor (2010), Chemical Engineering and Applied Chemistry: The New Engineering Program at Atılım University(ATU) and a Sole Example in Turkey, 2nd International Engineering Education Conference (Oral Presentation)
17	D. Aydın , B.S:Isgor, Y.G.Isgor, S. Olgen (2010), Evaluation Of Novel Indole-3-Imine-2-On Derivatives As Src Kinase And Mammalian Glutathione S-Transferase Inhibitors, 3rd International Meeting On Pharmacy and Pharmaceutical Sciences İstanbul, Türkiye, Haziran 2010, 119 pp
18	B.S.Isgor, Y.G.Isgor , Z.Kurt-Kılıç, S.Olgen, (2010), The Effect of novel pp60c-src Inhibitors on Mammalian Glutathione S-Transferase Activity” , Boston, Massachusetts, Amerika Birleşik Devletleri, 22-26 Ağustos., 240th ACS National Meeting & Exposition, Chemistry of Preventing and Combatting Disease Conference Medicinal Chemistry Division Boston, Massachusetts, Amerika Birleşik Devletleri, 22-26 Ağustos 2010. , 453 pp.
19	S Dincer, B.S Isgor, Y.G Isgor, S.Olgen (2010), Evaluation of Benzimidazole Derivatives as Src Kinase and Mammalian Glutathione S-Transferase Inhibitors, Joint meeting of 4th International Meeting on Medicinal and Pharmaceutical Chemistry (IMMPC-4) and 6th International Symposium on Pharmaceutical Chemistry (ISPC-6), Ankara Türkiye, Eylül 2010.
20	Z Kilic-Kurt, Y.G Isgor,B.S Isgor, S. Olgen . (2010), The Effect Of Novel Indole Derivatives As Inhibitors Of Src Kinase And Mammalian Glutathione S-Transferase, Joint meeting of 4th International Meeting on Medicinal and Pharmaceutical Chemistry (IMMPC-4) and 6th International Symposium on Pharmaceutical Chemistry (ISPC-6), Ankara Türkiye, Eylül 2010.
21	S Ozalp-Yaman, B.S Isgor, İ. Erilhan, H. İşçi (2009), DNA- Binding and electrochemical studies of a novel platinum blue complex containing sulfur donor ligand”, Abstract book of "8. International Electrochemistry Meeting", Antalya, Türkiye., pp.177
22	Ş.Özalp Yaman, B.S İşgör (2009), A Novel Platinum Blue Complex Containing Sulfur-Donor As a Potential Antitumor Active Drug, FEBS journal, 276, 314-315
23	B.S Isgor, N. Coruh, M. İscan (2005), Diversity of glutathione S-transferases in bovine liver, FEBS JOURNAL, Prague, 272, 426-426
24	S Koç , B.S Isgor, Y.G Isgor, N,Shomali Moghaddam, O Yıldırım (2013), Asteraceae Türlerinin Kimyasal Olarak Antioksidan Etkinliğinin ve Antimikrobiyal Özelliğinin Analizi, XIII. Ulusal Tıbbi Biyoloji ve Genetik Kongresi. , presentation no PS-11 08, p.416-417
25	N Shomali, B.S Isgor, Y.G Isgor, F Geven, O Esen-Yıldırım. (2012), Heliotropium europaeum, Carlina oligocephala ve Echinops ritro bitki ekstrelerinin Hücrel Savunmadaki Rollerinin İncelenmesi, IV. Multidisipliner Kanser Araştırma kongresi Bursa, Türkiye, 13-16 Aralık 2012. POSTER
26	T.Keskin, B.S Isgor, Y.G Isgor, F Yukruk (2012), The synthesis of perylenediimides and Investigation their effects on drug resistance and related target mechanisms”, 26. National Congress on Chemistry, (Fethiye), Turkey,1-6 October 2012. POSTER, poster no: 49, Muğla

DISSERTATIONS

1	MS Thesis Maha Munadhil Salman Altmari Preparation of Titanium Dioxide Nanoparticles Added PANI and Their Antibacterial Response Analysis, 2022
2	MS Thesis Haneen Ayad Khaleel Khaleel The Preparation and Antibacterial Analysis of Silver Nanoparticle Added PEDOT, 2022
3	MS Thesis Mostafa Kamil Maala Al-Daraji Investigation of the Antibacterial Activity of Silver Nano Particles Added Poly(N-methyl Aniline)
4	MS Thesis, Rihab Fouzi Salih Alfalah Synthesis and characterization of polyhedral oligomeric silsesquioxane containing dye and its use as a dye for cell imaging 2020
5	PhD Thesis, Akın Özkan Computer Vision and Machine Learning Based Adaptable Conversion Method For any Light Microscope to Automated Cell Counter By Trypan Blue Dye-Exclusion 2018
6	MS Thesis, Junaid Mohammed Ali “Analyzing The Effect of Doxycycline And Gentamicin on Selected Cytosolic Enzymes” 2018
7	MS Thesis, Muna Zuam Emhemed Elkouha “Antioxidant Potential Analysis of Colum Chromatographic Fractions of Euphorbia Plant Extract”-2018
8	Undergraduate Thesis, The Effects of the Melatonin Loaded Poly(lactic-co- glycolic acid)- (PLGA) Nano and Microparticles on MG-63 Cell Lines, 2014.
9	MS Thesis Taher Mehemed A. Alatrash “The Biochemical Evaluation of Tylosin and Enrofloxacin on Selected Enzymes” 2018
10	MS Thesis, Ahmed Eid A.A. Elbanna “The Biochemical Analysis of ACE Inhibitors as Commercially Available Antihypertensive Drugs: Captopril and Lisinopril”-2018
11	MS Thesis Hana M.Hamad Alzawi “Comparative Studies For Synthesis Of Alginate Microspheres And Nanospheres As Drug Carriers” 2018
12	MS Thesis, Saada S.Abdulgadar Ali “The Study of Isolation and Analysis of Medicinal Potential of Stachys Cretica Lamiaceae Leaves Methanolic Extract”-2017
13	MS Thesis, Malika Khalifa Latresh “The Isolation And Analysis of the Medicinal Potential of Methanolic Extract of The Stachys Cretica L.Flowers”-2017
14	MS Thesis Amani M. M. Salem “Biochemical Analysis of A-Adrenergic Receptor Inhibitors: Doxazosin and Terazosin”-2017
15	MS Thesis, Maiser Zaid Alsamraey “The Effect of Phellinus Torulosus Mushroom on Antioxidant Enzymes”-2017
16	MS Thesis, Muna M.Aboubakar Faraj “The Biochemical Analysis od Selective and Non selective B-Adrenergic Receptor Inhibitors: Propranolol and Metoprorol”-2017
17	MS Thesis, Ahlam Ibrahim “The Effect of Panus Conchatus Extract on Antioxidant Enzymes”-2016
18	MS Thesis, Marwa Elmubark “The Effect of Fomitopsis Pinicola MUshroom Antioxidant Enzymes” -2016
19	MS Thesis, Amal Rashuan “The Effect of Daedalea Quercina Mushroom on Antioxidant Enzyme Activities”-2016
20	MS Thesis, Mohammed M. Alwerfally “The Effect of Reishi Mushroom Extract on Cytosolic Enzymes in Combination with Selected Drug” -2015
21	MS Thesis, Gülşah Merve Güneş “Ankara Etrafından Toplanan Bazı Bitki Ekstrelerinin Total antioksidan Kapasiteleri ve Antioksidan Enzim Aktiviteleri Üzerine Etkileri” -2014 (Eş Danışman-Ankara Üniv.)
22	MS Thesis, Ceren Çokca “Effetc of Doxorubicin Contaning Polysebasic Anhydrides on Glutathione -S-Transferase Enzyme Activity” -2015 .(Eş Danışman-ODTÜ)