

## Prof.Dr. KAZIM YALÇIN ARGA

### Kişisel Bilgiler

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**Posta Adresi:** Marmara Üniversitesi, Mühendislik Fakültesi D binası, Biyomühendislik

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### Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: Z-3711-2019

ScopusID: 6506016742

Yoksis Araştırmacı ID: 23663

### Eğitim Bilgileri

Doktora, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Türkiye

2002 - 2007

Yüksek Lisans, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli),

Türkiye 2001 - 2002

Lisans, Boğaziçi Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Türkiye

1997 - 2001

### Biyografi

K. Yalçın Arga is a professor of bioengineering and senior expert on bioinformatics and multi-omics research. His research centers on statistical and mathematical modeling and translation of Big Data to applications in systems biology, pharmaceutical innovation, drug repositioning, health care, and clinical practice. He is a frequent contributor to recognized international systems biology forums as well as having authored works in high-impact journals such as Nature Biotechnology. His works are interdisciplinary and integrative, spanning the continuum of metabolic systems engineering in bacteria to drug repurposing and diagnostics innovation for common complex human diseases. His research currently focuses on translating multi-omics Big Data to clinical and health care innovation. Professor Arga has also mentored numerous students who have gone on to pursue productive careers as independent researchers in academia and industry. Prof. Arga received his Bachelor's degree (B.Sc.) and Doctorate (Ph.D.) in Chemical Engineering from Boğaziçi University in Istanbul. He is currently Professor of Bioengineering at the Department of Bioengineering at Marmara University Istanbul, Turkey. Professor Arga is a frequently sought after the referee in the field of systems biology, bioinformatics, and bioengineering and a frequent presenter at international conferences.

### Yabancı Diller

İngilizce, C2 Ustalık

### Yaptığı Tezler

Doktora, Systems biology of yeast signal transduction , Marmara Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2007

## Araştırma Alanları

Biyoistatistik ve Tıp Bilişimi, Biyokimya, Tıbbi Biyoloji, Biyomedikal Mühendisliği, Klinik Mühendisliği, Biyoteknoloji, Biyokimyasal Reaksiyon Mühendisliği, Biyomedikal Mühendislik, Biyoteknolojik Prosesler ve Fermentasyon Teknolojisi, Metabolik Mühendislik

## Akademik Unvanlar / Görevler

Prof.Dr., Marmara Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2020 - Devam Ediyor

Doç.Dr., Marmara Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2015 - 2020

Yrd.Doç.Dr., Marmara Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2007 - 2015

Araştırma Görevlisi, Boğaziçi Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2001 - 2007

## Akademik İdari Deneyim

Soruşturma Komisyonu Üyesi, Marmara Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2022 - Devam Ediyor

Bölüm Başkan Yardımcısı, Marmara Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2022 - Devam Ediyor  
Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Marmara Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2018 - Devam Ediyor

Akademisyen, Marmara Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2019 - 2021

Ar-Ge Direktörü, Marmara Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2019 - 2020

Bölüm Başkan Yardımcısı, Marmara Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2012 - 2019

Bölüm Tanıtım ve Mezunlarla İlişkiler Komisyonu Başkanı, Marmara Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2010 - 2019

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Marmara Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2015 - 2018

Fakülte Yönetim Kurulu Üyesi, Marmara Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2015 - 2018

Fakülte Kurulu Üyesi, Marmara Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2014 - 2017

Birim Tanıtım ve Mezunlarla İlişkiler Komisyonu Üyesi, Marmara Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2010 - 2013

Bölüm Başkan Yardımcısı, Marmara Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2008 - 2009

## Verdiği Dersler

Introduction to Bioengineering, Lisans, 2022 - 2023

Biostatistics, Yüksek Lisans, 2022 - 2023

Bioprocess Dynamics and Control, Lisans, 2021 - 2022

Scientific Programming, Lisans, 2021 - 2022, 2018 - 2019, 2017 - 2018

Bioengineering Project II, Lisans, 2018 - 2019

Introduction to Systems Biology, Lisans, 2018 - 2019

Mathematical Applications in Bioengineering Systems, Lisans, 2018 - 2019

Advanced Topics in Bioengineering I, Doktora, 2018 - 2019

Engineering Medicine, Yüksek Lisans, 2018 - 2019

Endüstriyel Hijyen ve Toksikoloji, Yüksek Lisans, 2018 - 2019

Biostatistics, Lisans, 2017 - 2018  
Business in a Competitive Environment in Bioengineering, Lisans, 2017 - 2018  
Dönem Projesi, Yüksek Lisans, 2018 - 2019  
Mathematical Modeling in Biological Systems, Yüksek Lisans, 2018 - 2019  
Toksikoloji, Doktora, 2018 - 2019  
Bioengineering Principles, Lisans, 2018 - 2019  
System Biology, Yüksek Lisans, 2018 - 2019  
Biological Networks Theory, Doktora, 2018 - 2019  
Bioengineering Project I, Lisans, 2018 - 2019  
Endüstriyel Hijyen ve Enstrümentasyon, Doktora, 2017 - 2018  
Advanced Bioinformatics, Yüksek Lisans, 2017 - 2018

## **Yönetilen Tezler**

ARĞA K. Y., Differential co-expression analysis of human cancers to reveal systems biomarkers for diagnostic and therapeutic trials, Yüksek Lisans, M.Nur(Öğrenci), 2019  
ARĞA K. Y., Reconstruction of tissue-specific protein-protein interaction sub-networks to improve prediction accuracy of bioinformatics tools, Yüksek Lisans, N.Çakır(Öğrenci), 2019  
ARĞA K. Y., Systems biomedicine and pharmacology approaches for drug repositioning to uncover candidate anti-cancer drugs, Doktora, B.TURANLI(Öğrenci), 2018  
ARĞA K. Y., Dynamic mapping of protein interactions in cancer, Yüksek Lisans, G.GÜLFİDAN(Öğrenci), 2018  
ARĞA K. Y., Systems biology approaches to identify novel biomarkers for diagnosis, prognosis and therapeutics in ovarian cancer, Doktora, E.GÖV(Öğrenci), 2017  
ARĞA K. Y., Brevibacillus thermoruber as a microbial cell factory, Doktora, S.YAŞAR(Öğrenci), 2017  
ARĞA K. Y., Analysis of dose rate-tumor response with a mathematical model in treatment of intracranial metastases with Gamma Knife Radiosurgery, Yüksek Lisans, A.FİDAN(Öğrenci), 2016  
ARĞA K. Y., Systematic and integrative analysis of breast cancer and other associated diseases using transcriptome data and interactome networks, Doktora, K.KARAGÖZ(Öğrenci), 2015  
ARĞA K. Y., Computational prediction of genomic and proteomic biomarker candidates for reproductive system associated women diseases, Yüksek Lisans, M.KORİ(Öğrenci), 2015  
ARĞA K. Y., Using systems based models to uncover the disease network of Psoriasis and its associations with other autoimmune-related diseases, Doktora, T.SEVİMOĞLU(Öğrenci), 2015  
ARĞA K. Y., Purification and characterization of levansucrase by Halomonas smyrnensis AAD6T, Yüksek Lisans, B.ÇALIMLIOĞLU(Öğrenci), 2014  
ARĞA K. Y., Investigation of the fructose uptake system in halomonas smyrnensis AAD6 to design strategies for enhanced levan biosynthesis, Yüksek Lisans, B.AYDIN(Öğrenci), 2014  
ARĞA K. Y., Bioinformatics based metabolic network reconstruction of levan producing Halomonas smyrnensis AAD6, Yüksek Lisans, T.ÖZER(Öğrenci), 2013  
ARĞA K. Y., Whole genome sequencing and genome annotation of levan producing Halomonas smyrnensis AAD6, Yüksek Lisans, E.SÖĞÜTCÜ(Öğrenci), 2012

## **Araştırma Altyapısı Bilgileri**

Arğa K. Y., TÜSEB Omik Merkezi, Temmuz 2020  
Arğa K. Y., Systems Bioengineering Laboratory, Ocak 2011  
Arğa K. Y., Özbek Sarıca P., Hesaplamalı Biyoloji ve Biyoinformatik Laboratuvarı, Ocak 2011  
Arğa K. Y., Toksoy Öner E., Industrial Biotechnology and Systems Biology Laboratory, Ocak 2008

## Eğitim Altyapısı Bilgileri

Arğa K. Y., Biyoproses Kontrol Laboratuvarı, Ocak 2015

## Tasarlanan Programlar

Arğa K. Y., Lisans, Biyomühendislik Lisans Programı, 2011 - Devam Ediyor

Arğa K. Y., Yüksek Lisans, Biyomühendislik Doktora Programı, 2010 - Devam Ediyor

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A 19-Gene Signature of Serous Ovarian Cancer Identified by Machine Learning and Systems Biology: Prospects for Diagnostics and Personalized Medicine**  
Kori M., Demirtas T. Y., Comertpay B., ARGA K. Y., Sinha R., Gov E.  
OMICS A Journal of Integrative Biology, cilt.28, sa.2, ss.90-101, 2024 (SCI-Expanded)
- II. **Pharmacomicobiomics-Guided Precision Oncology: A New Frontier of P4 (Predictive, Personalized, Preventive, and Participatory) Medicine and Microbiome-Based Therapeutics**  
ARGA K. Y., Attia H., Aziz R. K.  
Omics : a journal of integrative biology, cilt.28, sa.1, ss.5-7, 2024 (SCI-Expanded)
- III. **Genome-scale metabolic models in translational medicine: the current status and potential of machine learning in improving the effectiveness of the models**  
TURANLI B., Gulfidan G., Aydogan O. O., KULA C., Selvaraj G., ARGA K. Y.  
Molecular Omics, 2024 (SCI-Expanded)
- IV. **Differential co-expression network analysis elucidated genes associated with sensitivity to farnesyltransferase inhibitor and prognosis of acute myeloid leukemia**  
Kelesoglu N., Kori M., Yilmaz B. K., Duru O. A., ARGA K. Y.  
Cancer Medicine, cilt.12, sa.24, ss.22420-22436, 2023 (SCI-Expanded)
- V. **A Differential Transcriptional Regulome Approach to Unpack Cancer Biology: Insights on Renal Cell Carcinoma Subtypes**  
Caliskan A., ARGA K. Y.  
OMICS A Journal of Integrative Biology, cilt.27, sa.11, ss.536-545, 2023 (SCI-Expanded)
- VI. **Three candidate anticancer drugs were repositioned by integrative analysis of the transcriptomes of species with different regenerative abilities after injury**  
Kubat Oktem E., Demir U., Yazar M., ARGA K. Y.  
Computational Biology and Chemistry, cilt.106, 2023 (SCI-Expanded)
- VII. **Toward Precision Oncology in Glioblastoma with a Personalized Cancer Genome Reporting Tool and Genetic Changes Identified by Whole Exome Sequencing**  
ERDOĞAN O., Özkaya Ş. Ç., ERZİK C., Bilguvar K., ARGA K. Y., BAYRAKLI F.  
Omics : a journal of integrative biology, cilt.27, sa.9, ss.426-433, 2023 (SCI-Expanded)
- VIII. **The Versatility of Plectin in Cancer: A Pan-Cancer Analysis on Potential Diagnostic and Prognostic Impacts of Plectin Isoforms**  
Gundesli H., Kori M., ARGA K. Y.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.27, sa.6, ss.281-296, 2023 (SCI-Expanded)
- IX. **HPV16 status predicts potential protein biomarkers and therapeutics in head and neck squamous cell carcinoma**  
Kori M., ARĞA K. Y.  
Virology, cilt.582, ss.90-99, 2023 (SCI-Expanded)
- X. **Systems Biomarkers, Artificial Intelligence, and One Health Vision Can Help Fight Antimicrobial Resistance**

- KULA C., ARĞA K. Y.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.27, sa.4, ss.191-192, 2023 (SCI-Expanded)
- XI. **A Transcriptomic and Reverse-Engineering Strategy Reveals Molecular Signatures of Arachidonic Acid Metabolism in 12 Cancers**  
KUBAT ÖKTEM E., Aydin B., Gulfidan G., ARĞA K. Y.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.27, sa.3, ss.127-138, 2023 (SCI-Expanded)
- XII. **Potential Early Markers for Breast Cancer: A Proteomic Approach Comparing Saliva and Serum Samples in a Pilot Study**  
Sinha I., Fogle R. L., Gulfidan G., Stanley A. E., Walter V., Hollenbeak C. S., ARĞA K. Y., Sinha R.  
International Journal of Molecular Sciences, cilt.24, sa.4, 2023 (SCI-Expanded)
- XIII. **Editorial: Omics integration and network medicine to decipher human complex diseases**  
Zanfardino M., Babbi G., ARĞA K. Y., Pane K.  
Frontiers in Genetics, cilt.14, 2023 (SCI-Expanded)
- XIV. **Integrative Analysis of Motor Neuron and Microglial Transcriptomes from SOD1(G93A) Mice Models Uncover Potential Drug Treatments for ALS**  
KUBAT ÖKTEM E., Aydin B., Yazar M., ARĞA K. Y.  
JOURNAL OF MOLECULAR NEUROSCIENCE, cilt.72, sa.11, ss.2360-2376, 2022 (SCI-Expanded)
- XV. **Human oncogenic viruses: an overview of protein biomarkers in viral cancers and their potential use in clinics**  
Kori M., ARĞA K. Y.  
EXPERT REVIEW OF ANTICANCER THERAPY, cilt.22, sa.11, ss.1211-1224, 2022 (SCI-Expanded)
- XVI. **A Pan-Cancer Atlas of Differentially Interacting Hallmarks of Cancer Proteins**  
Kori M., Ozdemir G. E., ARĞA K. Y., Sinha R.  
JOURNAL OF PERSONALIZED MEDICINE, cilt.12, sa.11, 2022 (SCI-Expanded)
- XVII. **Precision Oncology: An Ensembled Machine Learning Approach to Identify a Candidate mRNA Panel for Stratification of Patients with Breast Cancer**  
Kurt F., AĞAOĞLU M., ARĞA K. Y.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.26, ss.504-511, 2022 (SCI-Expanded)
- XVIII. **Acute Myeloid Leukemia: New Multiomics Molecular Signatures and Implications for Systems Medicine Diagnostics and Therapeutics Innovation**  
Kelesoglu N., Kori M., TURANLI B., ARĞA K. Y., Yilmaz B., Duru O. A.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.26, sa.7, ss.392-403, 2022 (SCI-Expanded)
- XIX. **Repositioning of Anti-Inflammatory Drugs for the Treatment of Cervical Cancer Sub-Types**  
Kori M., ARĞA K. Y., Mardinoglu A., TURANLI B.  
FRONTIERS IN PHARMACOLOGY, cilt.13, 2022 (SCI-Expanded)
- XX. **Driving Precision Oncology to Clinical Practice: The Road Ahead from Biomarker Validation to Clinical Decision Systems**  
Yilmaz B., ARĞA K. Y.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.26, sa.6, ss.358-359, 2022 (SCI-Expanded)
- XXI. **Multomics Data Integration Identifies New Molecular Signatures for Abdominal Aortic Aneurysm and Aortic Occlusive Disease: Implications for Early Diagnosis, Prognosis, and Therapeutic Targets**  
Kori M., Cig D., Arga K. Y., Kasavi C.  
OMICS A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.26, sa.5, ss.1-15, 2022 (SCI-Expanded)
- XXII. **Precision Diagnosis of Maturity-Onset Diabetes of the Young with Next-Generation Sequencing: Findings from the MODY-IST Study in Adult Patients**  
Aydogan H. Y., Gul N., Demirci D. K., Mutlu U., Gulfidan G., ARĞA K. Y., ÖZDER A., ÇAMLI A. A., Tutuncu Y., Ozturk O., et al.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.26, ss.218-235, 2022 (SCI-Expanded)
- XXIII. **Past, Present, and Future of Therapies for Pituitary Neuroendocrine Tumors: Need for Omics and Drug Repositioning Guidance**  
Aydin B., Yildirim E., ERDOĞAN O., ARĞA K. Y., Yilmaz B., BOZKURT S., BAYRAKLI F., TURANLI B.

- OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.26, sa.3, ss.115-129, 2022 (SCI-Expanded)
- XXIV. **MicroRNA-Mediated Drug Repurposing Unveiled Potential Candidate Drugs for Prolactinoma Treatment**  
Aydin B., Arslan S., BAYRAKLI F., YILMAZ B., ARĞA K. Y.  
NEUROENDOCRINOLOGY, cilt.112, ss.161-173, 2022 (SCI-Expanded)
- XXV. **Systems biomarkers for papillary thyroid cancer prognosis and treatment through multi-omics networks**  
Gulfidan G., Soylu M., Demirel D., Erdonmez H. B. C., Beklen H., ÖZBEK SARICA P., ARĞA K. Y., TURANLI B.  
ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, cilt.715, 2022 (SCI-Expanded)
- XXVI. **Decreased serum levels of glycerol-3-phosphate dehydrogenase 1 and monoacylglycerol lipase act as diagnostic biomarkers for breast cancer**  
KARAOSMANOĞLU YÖNETEN K., KASAP M., ARĞA K. Y., AKPINAR G., UTKAN N. Z.  
CANCER BIOMARKERS, cilt.34, sa.1, ss.67-76, 2022 (SCI-Expanded)
- XXVII. **Artificial Intelligence as Accelerator for Genomic Medicine and Planetary Health**  
Gulfidan G., Beklen H., ARĞA K. Y.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.25, ss.745-749, 2021 (SCI-Expanded)
- XXVIII. **Lower COVID-19 Mortality in Patients with Type 2 Diabetes Mellitus Taking Dipeptidyl Peptidase-4 Inhibitors: Results from a Turkish Nationwide Study**  
Emral R., Haymana C., Demirci I., Tasçi I., Sahin M., Cakal E., Ata N., ÜNLÜTÜRK U., DEMİR T., Ertugrul D., et al.  
DIABETES THERAPY, cilt.12, sa.11, ss.2857-2870, 2021 (SCI-Expanded)
- XXIX. **Overview of omics biomarkers in pituitary neuroendocrine tumors to design future diagnosis and treatment strategies**  
Aydin B., Caliskan A., ARĞA K. Y.  
EPMA JOURNAL, cilt.12, sa.3, ss.383-401, 2021 (SCI-Expanded)
- XXX. **Differential Protein Interactome in Esophageal Squamous Cell Carcinoma Offers Novel Systems Biomarker Candidates with High Diagnostic and Prognostic Performance**  
Gulfidan G., Beklen H., Sinha I., Kucukalp F., Caloglu B., Esen I., TURANLI B., Ayyildiz D., ARĞA K. Y., Sinha R.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.25, ss.495-512, 2021 (SCI-Expanded)
- XXXI. **Monogenic Childhood Diabetes: Dissecting Clinical Heterogeneity by Next-Generation Sequencing in Maturity-Onset Diabetes of the Young**  
Demirci D. K., Darendeliler F., Poyrazoglu S., Al A. D. K., GÜL N., Tutuncu Y., Gulfidan G., ARĞA K. Y., Cacina C., Ozturk O., et al.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.25, ss.431-449, 2021 (SCI-Expanded)
- XXXII. **Thanatechnology and the Living Dead: New Concepts in Digital Transformation and Human-Computer Interaction**  
Ozdemir V., Springer S., YILDIRIM A., Bicer S., Kendirci A., Sardas S., Kilic H., Hekim N., Kunej T., ARĞA K. Y., et al.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.25, ss.401-407, 2021 (SCI-Expanded)
- XXXIII. **Systems-level biomarkers identification and drug repositioning in colorectal cancer**  
Beklen H., Yildirim E., Kori M., TURANLI B., ARĞA K. Y.  
WORLD JOURNAL OF GASTROINTESTINAL ONCOLOGY, cilt.13, sa.7, ss.638-661, 2021 (SCI-Expanded)
- XXXIV. **Cancer Stem Cell Transcriptome Profiling Reveals Seed Genes of Tumorigenesis: New Avenues for Cancer Precision Medicine**  
Comertpay B., Gulfidan G., ARĞA K. Y., Gov E.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.25, ss.372-388, 2021 (SCI-Expanded)
- XXXV. **Recent Developments in Cancer Systems Biology: Lessons Learned and Future Directions**  
ARĞA K. Y., Sinha R.  
JOURNAL OF PERSONALIZED MEDICINE, cilt.11, sa.4, 2021 (SCI-Expanded)
- XXXVI. **Unexpectedly lower mortality rates in COVID-19 patients with and without type 2 diabetes in Istanbul**  
Satman I., Demirci I., Haymana C., Tasçi I., Salman S., Ata N., DAĞDELEN S., ŞAHİN İ., Emral R., Cakal E., et al.  
DIABETES RESEARCH AND CLINICAL PRACTICE, cilt.174, 2021 (SCI-Expanded)

- XXXVII. **The Repertoire of Glycan Alterations and Glycoproteins in Human Cancers.**  
 Kori M., Aydin B., Gulfidan G., Beklen H., Kelesoglu N., Caliskan Iscan A., Turanli B., Erzik C., Karademir B., Arga K. Y.  
*Omics : a journal of integrative biology*, cilt.25, sa.3, ss.139-168, 2021 (SCI-Expanded)
- XXXVIII. **ETS-Domain Transcription Factor Elk-1 Regulates Stemness Genes in Brain Tumors and CD133+ BrainTumor-Initiating Cells**  
 SÖĞÜT M. S., Venugopal C., KANDEMİR B., Dag U., Mahendram S., Singh S., Gulfidan G., ARĞA K. Y., YILMAZ B., KURNAZ I.  
*JOURNAL OF PERSONALIZED MEDICINE*, cilt.11, sa.2, 2021 (SCI-Expanded)
- XXXIX. **Current State of "Omics" Biomarkers in Pancreatic Cancer**  
 TURANLI B., Yildirim E., Gulfidan G., ARĞA K. Y., Sinha R.  
*JOURNAL OF PERSONALIZED MEDICINE*, cilt.11, sa.2, 2021 (SCI-Expanded)
- XL. **Differential Interactome Proposes Subtype-Specific Biomarkers and Potential Therapeutics in Renal Cell Carcinomas**  
 Caliskan A., Gulfidan G., Sinha R., ARĞA K. Y.  
*JOURNAL OF PERSONALIZED MEDICINE*, cilt.11, sa.2, 2021 (SCI-Expanded)
- XLI. **Systems biology based drug repositioning for development of cancer therapy.**  
 Turanli B., Altay O., Borén J., Turkez H., Nielsen J., Uhlen M., Arga K. Y., Mardinoglu A.  
*Seminars in cancer biology*, cilt.68, ss.47-58, 2021 (SCI-Expanded)
- XLII. **Integrative transcriptomics analysis of lung epithelial cells and identification of repurposable drug candidates for COVID-19**  
 Islam T., Rahman M. R., Aydin B., Beklen H., ARĞA K. Y., Shahjaman M.  
*EUROPEAN JOURNAL OF PHARMACOLOGY*, cilt.887, 2020 (SCI-Expanded)
- XLIII. **Transcriptomic profile of Pea3 family members reveal regulatory codes for axon outgrowth and neuronal connection specificity**  
 KANDEMİR B., Gulfidan G., ARĞA K. Y., YILMAZ B., KURNAZ I.  
*SCIENTIFIC REPORTS*, cilt.10, sa.1, 2020 (SCI-Expanded)
- XLIV. **Pathways involved in viral oncogenesis: New perspectives from virus-host protein interactomics**  
 Kori M., ARĞA K. Y.  
*BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE*, cilt.1866, sa.10, 2020 (SCI-Expanded)
- XLV. **Comprehensive Analysis of RNA-Seq Gene Expression Profiling of Brain Transcriptomes Reveals Novel Genes, Regulators, and Pathways in Autism Spectrum Disorder**  
 Rahman M. R., Petralia M. C., Ciurleo R., Bramanti A., Fagone P., Shahjaman M., Wu L., Sun Y., TURANLI B., ARĞA K. Y., et al.  
*BRAIN SCIENCES*, cilt.10, sa.10, 2020 (SCI-Expanded)
- XLVI. **COVID-19 and the Futures of Machine Learning**  
 ARĞA K. Y.  
*OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY*, cilt.24, sa.9, ss.512-514, 2020 (SCI-Expanded)
- XLVII. **Novel molecular signatures and potential therapeutics in renal cell carcinomas: Insights from a comparative analysis of subtypes**  
 Caliskan A., Andac A. C., ARĞA K. Y.  
*GENOMICS*, cilt.112, sa.5, ss.3166-3178, 2020 (SCI-Expanded)
- XLVIII. **Drug Repositioning for P-Glycoprotein Mediated Co-Expression Networks in Colorectal Cancer**  
 Beklen H., Gulfidan G., ARĞA K. Y., Mardinoglu A., Turanli B.  
*FRONTIERS IN ONCOLOGY*, cilt.10, 2020 (SCI-Expanded)
- XLIX. **New Machine Learning Applications to Accelerate Personalized Medicine in Breast Cancer: Rise of the Support Vector Machines**  
 Ozer M. E., Sarica P., ARĞA K. Y.  
*OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY*, cilt.24, sa.5, ss.241-246, 2020 (SCI-Expanded)
- L. **Higher proteotoxic stress rather than mitochondrial damage is involved in higher neurotoxicity of bortezomib compared to carfilzomib**  
 Jannuzzi A., Arslan S., Yilmaz A. M., Sari G., Beklen H., Méndez L., Fedorova M., Arga K. Y., Karademir Y., Alpertunga

- B.  
REDOX BIOLOGY, cilt.32, 2020 (SCI-Expanded)
- L.I. **Mapping the Molecular Basis and Markers of Papillary Thyroid Carcinoma Progression and Metastasis Using Global Transcriptome and microRNA Profiling.**  
Akyay O., Gov E., Kenar H., Arga K. Y., Selek A., Tarkun İ., Canturk Z., Cetinarslan B., Gurbuz Y., Sahin B. Omics : a journal of integrative biology, cilt.24, ss.148-159, 2020 (SCI-Expanded)
- L.II. **Digging Deeper into Precision/Personalized Medicine: Cracking the Sugar Code, the Third Alphabet of Life, and Sociomateriality of the Cell.**  
Özdemir V., Arga K. Y., Aziz R., Bayram M., Conley S., Dandara C., Endrenyi L., Fisher E., Garvey C., Hekim N., et al. Omics : a journal of integrative biology, cilt.24, ss.62-80, 2020 (SCI-Expanded)
- L.III. **Pan-cancer mapping of differential protein-protein interactions**  
Gulfidan G., Turanli B., Beklen H., Sinha R., Arga K. Y. SCIENTIFIC REPORTS, cilt.10, sa.1, 2020 (SCI-Expanded)
- L.IV. **Omics-Driven Biomarkers of Psoriasis: Recent Insights, Current Challenges, and Future Prospects**  
Aydin B., ARĞA K. Y., KARADAĞ A. S. CLINICAL COSMETIC AND INVESTIGATIONAL DERMATOLOGY, cilt.13, ss.611-625, 2020 (SCI-Expanded)
- L.V. **Interview with Prof. K. Yalçın Arga: A Pioneer of Multi-Omics Science and Health Care Innovation.**  
Arga K. Y. Omics : a journal of integrative biology, cilt.23, ss.460-462, 2019 (SCI-Expanded)
- L.VI. **Cancer Drug Repositioning by Comparison of Gene Expression in Humans and Axolotl (&lt;i&gt;Ambystoma mexicanum&lt;/i&gt;) During Wound Healing.**  
Öktem E., Yazar M., Gulfidan G., Arga K. Y. Omics : a journal of integrative biology, cilt.23, ss.389-405, 2019 (SCI-Expanded)
- L.VII. **Co-expression Network Analysis Elucidated a Core Module in Association With Prognosis of Non-functioning Non-invasive Human Pituitary Adenoma.**  
Aydin B., Arga K. Y. Frontiers in endocrinology, cilt.10, ss.361, 2019 (SCI-Expanded)
- L.VIII. **Identification of Novel Components of Target-of-Rapamycin Signaling Pathway by Network-Based Multi-Omics Integrative Analysis**  
Eke E. D., ARĞA K. Y., Dikicioglu D., Eraslan S., Erkol E., ÇELİK FUSS A., KIRDAR B., Di Camillo B. OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.23, sa.5, ss.274-284, 2019 (SCI-Expanded)
- L.IX. **Novel Genomic Biomarker Candidates for Cervical Cancer As Identified by Differential Co-Expression Network Analysis.**  
Kori M., Gov E., Arga K. Y. Omics : a journal of integrative biology, cilt.23, ss.261-273, 2019 (SCI-Expanded)
- L.X. **Multi-Omic Data Interpretation to Repurpose Subtype Specific Drug Candidates for Breast Cancer**  
Turanli B., Karagoz K., Bidkhori G., Sinha R., Gatza M., Uhlen M., Mardinoglu A., Arga K. Y. FRONTIERS IN GENETICS, cilt.10, 2019 (SCI-Expanded)
- LXI. **Discovery of therapeutic agents for prostate cancer using genome-scale metabolic modeling and drug repositioning**  
Turanli B., Zhang C., Kim W., Benfeitas R., Uhlen M., Arga K. Y., Mardinoglu A. EBIOMEDICINE, cilt.42, ss.386-396, 2019 (SCI-Expanded)
- LXII. **Network-based approach to identify molecular signatures and therapeutic agents in Alzheimer's disease**  
Rahman M. R., Islam T., TURANLI B., Zaman T., Faruquee H. M., Rahman M. M., Mollah M. N. H., Nanda R. K., ARĞA K. Y., Gov E., et al. COMPUTATIONAL BIOLOGY AND CHEMISTRY, cilt.78, ss.431-439, 2019 (SCI-Expanded)
- LXIII. **Identification of Prognostic Biomarker Signatures and Candidate Drugs in Colorectal Cancer: Insights from Systems Biology Analysis**  
Rahman M. R., Islam T., Gov E., Turanli B., Gulfidan G., Shahjaman M., Banu N. A., Mollah M. N. H., ARĞA K. Y., Moni M. A.

- MEDICINA-LITHUANIA, cilt.55, sa.1, 2019 (SCI-Expanded)
- LXIV. **Potential biomarkers and therapeutic targets in cervical cancer: Insights from the meta-analysis of transcriptomics data within network biomedicine perspective**  
Kori M., ARĞA K. Y.  
PLOS ONE, cilt.13, sa.7, 2018 (SCI-Expanded)
- LXV. **Drug Targeting and Biomarkers in Head and Neck Cancers: Insights from Systems Biology Analyses**  
İSLAM T., RAHMAN R., GÖV E., TURANLI B., GÜLFİDAN G., HAQUE M. A., ARĞA K. Y., Mollah M. N. H.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.22, sa.6, ss.422-436, 2018 (SCI-Expanded)
- LXVI. **Drug Repositioning for Effective Prostate Cancer Treatment**  
TURANLI B., Grotli M., BOREN J., NIELSEN J., UHLEN M., ARĞA K. Y., MARDİNOĞLU A.  
FRONTIERS IN PHYSIOLOGY, cilt.9, 2018 (SCI-Expanded)
- LXVII. **The Genome-Based Metabolic Systems Engineering to Boost Levan Production in a Halophilic Bacterial Model**  
Aydin B., Ozer T., Oner E. T., ARĞA K. Y.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.22, sa.3, ss.198-209, 2018 (SCI-Expanded)
- LXVIII. **Systems biomarkers in psoriasis: Integrative evaluation of computational and experimental data at transcript and protein levels**  
Sevimoglu T., Turanli B., Bereketoglu C., ARĞA K. Y., KARADAĞ A. S.  
GENE, cilt.647, ss.157-163, 2018 (SCI-Expanded)
- LXIX. **A Network-Based Cancer Drug Discovery: From Integrated Multi-Omics Approaches to Precision Medicine**  
TURANLI B., Karagoz K., Gulfidan G., Sinha R., Mardinoglu A., ARĞA K. Y.  
CURRENT PHARMACEUTICAL DESIGN, cilt.24, sa.32, ss.3778-3790, 2018 (SCI-Expanded)
- LXX. **Genome reprogramming in *Saccharomyces cerevisiae* upon nonylphenol exposure**  
Bereketoglu C., ARĞA K. Y., Eraslan S., MERTOĞLU B.  
PHYSIOLOGICAL GENOMICS, cilt.49, sa.10, ss.549-566, 2017 (SCI-Expanded)
- LXXI. **Multomics Analysis of Tumor Microenvironment Reveals Gata2 and miRNA-124-3p as Potential Novel Biomarkers in Ovarian Cancer**  
Gov E., Kori M., ARĞA K. Y.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.21, sa.10, ss.603-615, 2017 (SCI-Expanded)
- LXXII. **Transcriptomic-Guided Drug Repositioning Supported by a New Bioinformatics Search Tool: geneXpharma**  
Turanli B., Gulfidan G., ARĞA K. Y.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.21, sa.10, ss.584-591, 2017 (SCI-Expanded)
- LXXIII. **Transcriptomic analysis displays the effect of (-)-roemerine on the motility and nutrient uptake in *Escherichia coli***  
Ayyildiz D., ARĞA K. Y., Avci F. G., ALTINIŞIK KAYA F. E., Gurer C., Toplan G. G., KAZAN D., Wozny K., Bruegger B., MERTOĞLU B., et al.  
CURRENT GENETICS, cilt.63, sa.4, ss.709-722, 2017 (SCI-Expanded)
- LXXIV. **Differential co-expression analysis reveals a novel prognostic gene module in ovarian cancer**  
Gov E., ARĞA K. Y.  
SCIENTIFIC REPORTS, cilt.7, 2017 (SCI-Expanded)
- LXXV. **Hypothesis: Are There Molecular Signatures of Yoga Practice in Peripheral Blood Mononuclear Cells?**  
Ayyildiz D., ARĞA K. Y.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.21, sa.7, ss.426-428, 2017 (SCI-Expanded)
- LXXVI. **Analysis of transcriptional profiles of *Saccharomyces cerevisiae* exposed to bisphenol A**  
Bereketoglu C., ARĞA K. Y., Eraslan S., MERTOĞLU B.  
CURRENT GENETICS, cilt.63, sa.2, ss.253-274, 2017 (SCI-Expanded)
- LXXVII. **Ovarian Cancer Differential Interactome and Network Entropy Analysis Reveal New Candidate Biomarkers**

- Ayyildiz D., Gov E., Sinha R., ARĞA K. Y.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.21, sa.5, ss.285-294, 2017 (SCI-Expanded)
- LXXVIII. **Multiomics Approach to Novel Therapeutic Targets for Cancer and Aging-Related Diseases: Role of Sld7 in Yeast Aging Network**  
Dayan I. E., ARĞA K. Y., Ulgen K. O.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.21, sa.2, ss.100-113, 2017 (SCI-Expanded)
- LXXIX. **RNA-based ovarian cancer research from 'a gene to systems biomedicine' perspective**  
Gov E., Kori M., ARĞA K. Y.  
SYSTEMS BIOLOGY IN REPRODUCTIVE MEDICINE, cilt.63, sa.4, ss.219-238, 2017 (SCI-Expanded)
- LXXX. **Interactive cooperation and hierarchical operation of microRNA and transcription factor crosstalk in human transcriptional regulatory network**  
Gov E., ARĞA K. Y.  
IET SYSTEMS BIOLOGY, cilt.10, sa.6, ss.219-228, 2016 (SCI-Expanded)
- LXXXI. **Metabolic Biomarkers and Neurodegeneration: A Pathway Enrichment Analysis of Alzheimer's Disease, Parkinson's Disease, and Amyotrophic Lateral Sclerosis**  
Kori M., Aydin B., ÜNAL S., ARĞA K. Y., KAZAN D.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.20, sa.11, ss.645-661, 2016 (SCI-Expanded)
- LXXXII. **Integration of multiple biological features yields high confidence human protein interactome**  
Karagoz K., Sevimoglu T., ARĞA K. Y.  
JOURNAL OF THEORETICAL BIOLOGY, cilt.403, ss.85-96, 2016 (SCI-Expanded)
- LXXXIII. **Molecular signatures of ovarian diseases: Insights from network medicine perspective**  
Kori M., Gov E., ARĞA K. Y.  
SYSTEMS BIOLOGY IN REPRODUCTIVE MEDICINE, cilt.62, sa.4, ss.266-282, 2016 (SCI-Expanded)
- LXXXIV. **Investigating the toxic effects of nonylphenol on *Saccharomyces cerevisiae***  
Bereketoglu C., ARĞA K. Y., MERTOĞLU B.  
NEW BIOTECHNOLOGY, cilt.33, 2016 (SCI-Expanded)
- LXXXV. **Systems biology perspective on diabetic nephropathy may reveal molecular mechanism of diabetic retinopathy**  
Calimlioglu B., Ozturk R., Arga K.  
NEW BIOTECHNOLOGY, cilt.33, 2016 (SCI-Expanded)
- LXXXVI. **"Omics" of Selenium Biology: A Prospective Study of Plasma Proteome Network Before and After Selenized-Yeast Supplementation in Healthy Men**  
Sinha I., Karagoz K., Fogle R. L., Hollenbeak C. S., Zea A. H., ARĞA K. Y., Stanley A. E., Hawkes W. C., Sinha R.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.20, sa.4, ss.202-213, 2016 (SCI-Expanded)
- LXXXVII. **Proteomic and Metabolic Signatures of Esophageal Squamous Cell Carcinoma**  
KARAGÖZ K., LEHMAN H. L., STAİRS D. B., SİNHA R., ARĞA K. Y.  
CURRENT CANCER DRUG TARGETS, cilt.16, sa.8, ss.721-736, 2016 (SCI-Expanded)
- LXXXVIII. **Cardiomyogenic differentiation potential of human lipoaspirate-derived stem cells on hyaluronic acid/gelatin plasma gels**  
GÖV E., KENAR H., HALBUTOĞULLARI Z. S., ARĞA K. Y., KARAÖZ E.  
TURKISH JOURNAL OF BIOLOGY, cilt.40, sa.2, ss.369-379, 2016 (SCI-Expanded)
- LXXXIX. **Computational Systems Biology of Psoriasis: Are We Ready for the Age of Omics and Systems Biomarkers?**  
Sevimoglu T., ARĞA K. Y.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.19, sa.11, ss.669-687, 2015 (SCI-Expanded)
- XC. **Tissue-Specific Molecular Biomarker Signatures of Type 2 Diabetes: An Integrative Analysis of Transcriptomics and Protein-Protein Interaction Data**  
Calimlioglu B., Karagoz K., Sevimoglu T., Kilic E., Gov E., ARĞA K. Y.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.19, sa.9, ss.563-573, 2015 (SCI-Expanded)
- XCI. **Genomic analysis reveals the biotechnological and industrial potential of levan producing halophilic extremophile, *Halomonas smyrnensis* AAD6T**

- Diken E., Ozer T., Arikан M., Emrence Z., Oner E. T., ÜSTEK D., ARĞA K. Y.  
SPRINGERPLUS, cilt.4, 2015 (SCI-Expanded)
- XCII. **Effective stimulating factors for microbial levan production by *Halomonas smyrnensis* AAD6(T)**  
Sarilmiser H. K., Ates O., Ozdemir G., ARĞA K. Y., Oner E. T.  
JOURNAL OF BIOSCIENCE AND BIOENGINEERING, cilt.119, sa.4, ss.455-463, 2015 (SCI-Expanded)
- XCIII. **Genomic analysis of *Brevibacillus thermoruber* 423 reveals its biotechnological and industrial potential**  
Yildiz S. Y., Radchenkova N., ARĞA K. Y., Kambourova M., Oner E. T.  
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, cilt.99, sa.5, ss.2277-2289, 2015 (SCI-Expanded)
- XCIV. **Triple Negative Breast Cancer: A Multi-Omics Network Discovery Strategy for Candidate Targets and Driving Pathways**  
Karagoz K., Sinha R., ARĞA K. Y.  
OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY, cilt.19, sa.2, ss.115-130, 2015 (SCI-Expanded)
- XCV. **GENETIC MUTATIONS ARE CHARACTERIZED BY INCREASE IN ENTROPY AT THE TRANSCRIPTIONAL LEVEL**  
Gov E., ARĞA K. Y.  
JOURNAL OF BIOLOGICAL SYSTEMS, cilt.22, sa.3, 2014 (SCI-Expanded)
- XCVI. **A system based network approach to ethanol tolerance in *Saccharomyces cerevisiae***  
Kasavi C., Eraslan S., ARĞA K. Y., Oner E. T., KIRDAR B.  
BMC SYSTEMS BIOLOGY, cilt.8, 2014 (SCI-Expanded)
- XCVII. **Computational prediction of associations between psoriasis, rheumatoid arthritis and osteoarthritis**  
Sevimoglu T., ARĞA K. Y.  
NEW BIOTECHNOLOGY, cilt.31, 2014 (SCI-Expanded)
- XCVIII. **Systems biology solutions to challenges in marine biotechnology**  
Gov E., ARĞA K. Y.  
FRONTIERS IN MARINE SCIENCE, cilt.1, 2014 (SCI-Expanded)
- XCIX. **The Stimulatory Effect of Mannitol on Levan Biosynthesis: Lessons from Metabolic Systems Analysis of *Halomonas smyrnensis* AAD6(T)**  
Ates O., ARĞA K. Y., Oner E. T.  
BIOTECHNOLOGY PROGRESS, cilt.29, sa.6, ss.1386-1397, 2013 (SCI-Expanded)
- C. **Assessment of high-confidence protein-protein interactome in yeast**  
Karagoz K., ARĞA K. Y.  
COMPUTATIONAL BIOLOGY AND CHEMISTRY, cilt.45, ss.1-8, 2013 (SCI-Expanded)
- CI. **Draft Genome Sequence of *Halomonas smyrnensis* AAD6(T)**  
Sogutcu E., Emrence Z., Arikан M., Cakiris A., Abaci N., Oner E. T., Ustek D., ARĞA K. Y.  
JOURNAL OF BACTERIOLOGY, cilt.194, sa.20, ss.5690-5691, 2012 (SCI-Expanded)
- CII. **Identification of Exopolysaccharide Biosynthesis Mechanism of *Halomonas smyrnensis* AAD6(T)**  
Sogutcu E., Oner E. T., ARĞA K. Y.  
NEW BIOTECHNOLOGY, cilt.29, 2012 (SCI-Expanded)
- CIII. **Combining various heterogeneous biological features to obtain a highly reliable almost complete protein interaction network of yeast**  
Karagoz K., ARĞA K. Y.  
NEW BIOTECHNOLOGY, cilt.29, 2012 (SCI-Expanded)
- CIV. **Identification of candidate genes related to ethanol tolerance in *Saccharomyces cerevisiae* via a systems based modular approach**  
Kasavi C., ARĞA K. Y., Oner E. T., KIRDAR B.  
NEW BIOTECHNOLOGY, cilt.29, 2012 (SCI-Expanded)
- CV. **Genome-scale reconstruction of metabolic network for a halophilic extremophile, *Chromohalobacter salexigens* DSM 3043**  
ATEŞ Ö., Oner E., ARĞA K. Y.  
BMC SYSTEMS BIOLOGY, cilt.5, 2011 (SCI-Expanded)

- CVI. **A cross-sectional study of biotechnology awareness and teaching in European high schools**  
 Vanderschuren H., Heinzmann D., Faso C., Stupak M., ARĞA K. Y., Hoerzer H., Laizet Y., Leduchowska P., Silva N., Simkova K.  
 NEW BIOTECHNOLOGY, cilt.27, sa.6, ss.822-828, 2010 (SCI-Expanded)
- CVII. **Modeling of batch fermentation kinetics for levan production by Halomonas spp.**  
 Kazak H., Arga K. Y., Oner E. T.  
 NEW BIOTECHNOLOGY, cilt.25, 2009 (SCI-Expanded)
- CVIII. **Genome-scale reconstruction of metabolic network for a halophilic extremophile, Chromohalobacter salexigens**  
 Ates O., Oner E. T., Arga K. Y.  
 NEW BIOTECHNOLOGY, cilt.25, 2009 (SCI-Expanded)
- CIX. **Drug targets for tumorigenesis: Insights from structural analysis of EGFR signaling network**  
 Tekir S. D., ARĞA K. Y., Uelgen K. O.  
 JOURNAL OF BIOMEDICAL INFORMATICS, cilt.42, sa.2, ss.228-236, 2009 (SCI-Expanded)
- CX. **A consensus yeast metabolic network reconstruction obtained from a community approach to systems biology**  
 Herrgård M. J., Swainston N., Dobson P., Dunn W. B., ARĞA K. Y., Arvas M., Bluethgen N., Borger S., Costenoble R., Heinemann M., et al.  
 NATURE BIOTECHNOLOGY, cilt.26, sa.10, ss.1155-1160, 2008 (SCI-Expanded)
- CXI. **Understanding signaling in yeast: Insights from network analysis**  
 ARĞA K. Y., Oensan Z. I., Kirdar B., Uelgen K. O., Nielsen J.  
 BIOTECHNOLOGY AND BIOENGINEERING, cilt.97, sa.5, ss.1246-1258, 2007 (SCI-Expanded)
- CXII. **Flux analysis of recombinant *Saccharomyces cerevisiae* YPB-G utilizing starch for optimal ethanol production**  
 Cakir T., ARĞA K. Y., Altintas M., Ulgen K.  
 PROCESS BIOCHEMISTRY, cilt.39, sa.12, ss.2097-2108, 2004 (SCI-Expanded)
- CXIII. **Transfer function approach in structured modeling of recombinant yeast utilizing starch**  
 ARĞA K. Y., Cakir T., Pir P., Ozer N., Altintas M., Ulgen K.  
 PROCESS BIOCHEMISTRY, cilt.39, sa.10, ss.1237-1248, 2004 (SCI-Expanded)
- CXIV. **Flux analysis of the recombinant *Saccharomyces cerevisiae* YPB G utilizing starch for optimum ethanol production**  
 ÇAKIR T., ARĞA K. Y., ALTINTAŞ M., ÜLGEN Ş. K.  
 Process Biochemistry, ss.2097-2108, 2004 (SCI-Expanded)

## Düger Dergilerde Yayınlanan Makaleler

- I. **Differential Interactome Based Drug Repositioning Unraveled Abacavir, Exemestane, Nortriptyline Hydrochloride, and Tolcapone as Potential Therapeutics for Colorectal Cancers**  
 beklen h., arslan s., Gulfidan G., Turanlı B., ÖZBEK SARICA P., Karademir Yilmaz B., ARĞA K. Y.  
*Frontiers in Bioinformatics*, cilt.1, 2021 (Hakemli Dergi)
- II. **Exopolysaccharides Synthesized by Thermophilic Microorganisms Isolated from Bulgarian Hot Springs**  
 KAMBOUROVA M., RADCHENKOVA N., NICOLAUS B., TOMMONARO G., POLI A., TOKSOY ÖNER E., YAŞAR YILDIZ S., ARĞA K. Y.  
*Acta Microbiologica Bulgarica*, cilt.34, ss.68-76, 2018 (Scopus)
- III. **Systems Biomedicine Acts as a Driver for the Evolution of Pharmacology**  
 TURANLI B., ARĞA K. Y.  
*Annals of Pharmacology and Pharmaceutics*, cilt.2, ss.1087-1088, 2017 (Hakemli Dergi)
- IV. **The role of protein interaction networks in systems biomedicine**  
 SEVİMOĞLU T., ARĞA K. Y.

- Computational and Structural Biotechnology Journal, cilt.11, ss.22-27, 2014 (Scopus)
- V. Comparison of Protein Expression Profiles of Novel *Halomonas smyrnensis* AAD6 T sup gt T sup gt and *Halomonas salina* DSMZ 5928 T sup gt T sup gt  
ARĞA K. Y., KAZAN D., Dilgimen A., Erdmann V., WittmannLiebold B., Denizci A. A.  
Natural Science, cilt.6, ss.628-640, 2014 (Hakemli Dergi)
- VI. Draft Genome Sequence of Exopolysaccharide-Producing Thermophilic Bacterium *Brevibacillus thermoruber* Strain 423  
Yildiz S. Y., Kambourova M., ARĞA K. Y., TOKSOY ÖNER E.  
MICROBIOLOGY RESOURCE ANNOUNCEMENTS, cilt.1, sa.5, 2013 (ESCI)
- VII. DECIPHERING THE CROSS-TALK BETWEEN SPHINGOLIPID MECHANISM AND SIGNALING PATHWAYS IN BAKER'S YEAST  
Yucel E., Cankorur A., Dereli E., Alazi F., Aslandag I., Kavun B., Tekir S. D., ARĞA K. Y., Ulgen K. O.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ, cilt.26, sa.3, ss.162-174, 2008 (ESCI)

## Kitap & Kitap Bölümleri

- I. Molecular Signatures in Acute Myeloid Leukemia: From Diagnosis to Targeted Therapy and Drug Repositioning  
KELEŞOĞLU N., YILMAZ B., ARĞA K. Y.  
Interdisciplinary Cancer Research, Rezaei Nima, Editör, Springer, ss.1-32, 2022
- II. A comprehensive overview of signaling pathways and their crosstalk in human cancers  
KORİ M., AYDIN B., ARĞA K. Y.  
The Most Recent Studies in Science and Art, Arapgirlioglu H., Atik A., Elliott RL., Turgeon E., Editör, Gece Kitaplığı, ss.771-784, 2018
- III. Overview and new perspectives on human transcriptional regulatory network  
ÇALIŞKAN A., ARĞA K. Y.  
The Most Recent Studies in Science and Art, Arapgirlioglu H., Atik A., Elliott RL., Turgeon E., Editör, Gece Kitaplığı, ss.733-740, 2018
- IV. Systems Biomedicine: From genome scale molecular networks to efficacious biomarkers and therapeutic targets  
TURANLI B., GÜLFİDAN G., ARĞA K. Y.  
Researches on Science and Art in 21st Century Turkey, Hasan Arapgirlioğlu Atilla Atik Robert L. Elliot Edward Turgeon, Editör, Gece Kitaplığı, Ankara, ss.2380-2388, 2017
- V. Proteins from Halophilic Bacteria: Purification and Their Applications  
Turanlı B., Arğa K. Y.  
Protein Purification - Principles and Trends, -, Editör, iConcept Press, Victoria-City, ss.1-23, 2016

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. Effect of Chemotherapy Drugs Combined with Flavonoid on Colorectal Cancer Cells  
KANLI Z., AYDIN OMAY B., ERZİK C., ARĞA K. Y., CABADAK H.  
International Marmara Sciences Congress, Kocaeli, Türkiye, 9 - 10 Aralık 2022, ss.41
- II. Flavonoid ile Kombine Edilmiş Kemoterapi İlaçlarının Kolorektal Kanser Hücrelerine Etkisi  
Kanlı Z., Aydin Omay B., Erzik C., Arğa K. Y., Cabadak H.  
9. ULUSLARARASI MARMARA FEN BİLİMLERİ KONGRESİ, Kocaeli, Türkiye, 9 - 10 Aralık 2022, ss.1-2
- III. Transcriptomics-Based Drug Repurposing Unravels Novel Therapeutic Strategies in AML  
KELEŞOĞLU N., Korkmaz N. S., TURANLI B., ARĞA K. Y., YILMAZ B., ATEŞ DURU Ö.  
4th EURASIA BIOCHEMICAL APPROACHES & TECHNOLOGIES (EBAT) CONGRESS, Antalya, Türkiye, 3 - 06

Kasım 2022

- IV. **Novel Systems Biomarker Candidates with High Diagnostic and Prognostic Performance in Esophageal Squamous Cell Carcinoma**  
GULFİDAN G., BEKLEN H., TURANLI B., AYYILDIZ D., Sinha R., ARĞA K. Y.  
3rd EURASIA BIOCHEMICAL APPROACHES & TECHNOLOGIES (EBAT) CONGRESS, Antalya, Türkiye, 4 - 07 Kasım 2021
- V. **Differential Interactome Based Drug Repositioning Unraveled Potential Therapeutics for Colorectal Cancers**  
BEKLEN H., Arslan S., GULFİDAN G., TURANLI B., ÖZBEK SARICA P., YILMAZ B., ARĞA K. Y.  
3rd EURASIA BIOCHEMICAL APPROACHES & TECHNOLOGIES (EBAT) CONGRESS, Antalya, Türkiye, 4 - 07 Kasım 2021
- VI. **Decoding molecular signatures of pituitary neuroendocrine tumors' subtypes through systems biomedicine perspective**  
AYDIN B., Yıldırım Sırkeci E., ERDOĞAN O., BAYRAKLI F., BOZKURT S., ARĞA K. Y., TURANLI B.  
5th International Symposium on Bioinformatics (InSyB2021), İstanbul, Türkiye, 15 - 17 Aralık 2021
- VII. **Drug Respositioning in Colorectal Cancer by using Co-expression Networks of P-glycoprotein**  
BEKLEN H., GÜLFİDAN G., ARĞA K. Y., NIELSEN J., TURANLI B.  
13th The International Symposium on Health Informatics and Bioinformatics, Türkiye, 22 - 23 Ekim 2020
- VIII. **DRUG REPOSITIONING IN PROSTATE CANCER THROUGH GENOME-SCALE METABOLIC MODELING**  
AYDOĞMUŞ E. M., gülfidan g., TURANLI B., ERZİK C., DEMİR Ü., KISAAYAK ÇOLLAK F., ARĞA K. Y.  
applied bioinformatics in life sciences, Leuven, Belçika, 13 - 14 Şubat 2020
- IX. **Determination Of Candidate Biomarkers Through Differential Interactome in Colorectal Adenocarcinoma**  
BEKLEN H., GULFİDAN G., TURANLI B., ÖZBEK SARICA P., YILMAZ B., ARĞA K. Y.  
The 12th International Symposium on Health Informatics and Bioinformatics (HIBIT 2019), İzmir, Türkiye, 17 - 19 Ekim 2019
- X. **Identification of Systems Biomarkers and Candidate Drugs in Prostate Adenocarcinoma**  
GULFİDAN G., BEKLEN H., TURANLI B., ARĞA K. Y.  
The 12th International Symposium on Health Informatics and Bioinformatics (HIBIT 2019), İzmir, Türkiye, 17 - 19 Ekim 2019
- XI. **Drug repositioning for cancer therapy by the employment of systems biology**  
TURANLI B., GULFİDAN G., Mardinoğlu A., ARĞA K. Y.  
Cell Death: Degeneration and Regeneration Symposium, İstanbul, Türkiye, 3 - 05 Ekim 2019
- XII. **Review of the Occupational Health and Safety in the Metal Sector in Turkey**  
ERGİN ESEN H., ARĞA K. Y.  
8. International Vocational Schools Symposium, Sinop, Türkiye, 11 - 13 Haziran 2019
- XIII. **Systems Biomarkers for Accurate Diagnosis, Prognosis and Therapy in Neurological Disorders**  
ARĞA K. Y.  
FENS Regional Meeting, 10 - 13 Temmuz 2019
- XIV. **Understanding the metabolic reprogramming behind alkaliphilic adaptation in *Bacillus marmarensis* through a multi-omics data integration strategy**  
Altınışık F. E., Arga K. Y., Kazan D., Sarıyar Akbulut B.  
44th FEBS Congress: From molecules to living systems, Krakow, Polonya, 6 - 11 Temmuz 2019
- XV. **112 Ambulans ve Acil Komuta Merkezi Çalışanlarında İş Sağlığı ve Güvenliği**  
IŞIK BARSAN Ö., ARĞA K. Y.  
3rd INTERNATIONAL OCCUPATIONAL AND ENVIRONMENTAL DISEASES CONGRESS, 3 - 07 Mart 2019
- XVI. **Drug repositioning for the treatment of cervical cancer through host-pathogen protein-protein interactions**  
TURANLI B., Kori M., ARĞA K. Y.  
6th International Bau Drug Design Congress, İstanbul, Türkiye, 13 - 15 Aralık 2018
- XVII. **Prostat kanserinin diferansiyel protein etkileşim ağı haritasındaki yeri.**

- Gulfidan G., TURANLI B., ARĞA K. Y.  
19. Uluslararası Katılımlı Biyoteknoloji Kongresi, Eskişehir, Türkiye, 30 Kasım - 03 Aralık 2018
- XVIII. **Systems Biomarkers in Cancer Diagnosis, Prognosis and Therapy**  
ARĞA K. Y.  
2nd International Cell Death Research Congress, 1 - 04 Kasım 2018
- XIX. **Prostate cancer-specific metabolic model as a tool for drug repositioning**  
TURANLI B., LOVRIC A., RUI B., Bidkhori G., Zhang C., ARĞA K. Y., Mardinoğlu A.  
International Conference on Applied Mathematics, Modeling and Life Sciences, 3 - 05 Ekim 2018
- XX. **Model driven discovery of drug targets for effective treatment of prostate cancer**  
TURANLI B., Benfeitas R., Lovric A., Bidkhori G., Zhang C., ARĞA K. Y., Mardinoğlu A.  
Conference on Intelligent Systems for Molecular Biolog (ISMB2018), Chicago, Amerika Birleşik Devletleri, 6 - 10 Temmuz 2018
- XXI. **Model driven discovery of drug targets for effective treatment of prostate cancer (Poster)**  
TURANLI B., Lovric A., Benfeitas R., Bidkhori G., Zhang C., ARĞA K. Y., Mardinoğlu A.  
Conference on Intelligent Systems for Molecular Biolog (ISMB2018), Chicago, Amerika Birleşik Devletleri, 6 - 10 Temmuz 2018
- XXII. **A metabolic network approach for the identification of drugs against prostate cancer**  
TURANLI B., Al Shobky M., Benfeitas R., Bidkhori G., Zhang C., ARĞA K. Y., Mardinoğlu A.  
Applied Bioinformatics in Life Sciences (2nd edition), Leuven, Belçika, 8 - 09 Mart 2018
- XXIII. **Comparative Analysis Of Human Cancers Through Molecular Signatures**  
TURANLI B., GÜLFİDAN G., ARĞA K. Y.  
Applied Bioinformatics in Life Sciences, Leuven, Belçika, 8 Mart - 09 Ağustos 2018
- XXIV. **Kanserlerin işaretçi moleküller yoluyla karşılaştırmalı analizi**  
TURANLI B., Gulfidan G., ARĞA K. Y.  
III.Yaşam Bilimleri Kongresi, Kayseri, Türkiye, 23 - 24 Şubat 2018
- XXV. **Protein-protein interaction analysis of differentially expressed genes in head and neck cancer**  
İSLAM T., RAHMAN R., SHAHJAMAN M., HAQUE M. A., GÖV E., ARĞA K. Y., MOLLAH M. N. H.  
International Conference on Biotechnology in Health and Agriculture 2017, Dhaka, Bangladeş, 29 - 30 Aralık 2017
- XXVI. **Integrated analysis of transcriptome and protein interactome in colorectal cancer**  
RAHMAN R., İSLAM T., SHAHJAMAN M., HAQUE M. A., ARĞA K. Y., MD NURUL HAQUE M.  
International Conference on Biotechnology in Health and Agriculture 2017, Dhaka, Bangladeş, 29 - 30 Aralık 2017
- XXVII. **Diferansiyel eş-anlatım analizi ile kansere yönelik teşhis ve tedavi amaçlı sistem biyobelirteçlerinin tayini**  
ERDÖL M. N., ARĞA K. Y.  
19. Uluslararası Katılımlı Biyoteknoloji Kongresi, 1 - 03 Aralık 2017
- XXVIII. **Biyoinformatik: Temel kavramlar ve klinik uygulamaları**  
ARĞA K. Y.  
Klinisyenler için Moleküler Biyoloji ve Genetik Temel Kavramlar, İstanbul, Türkiye, 25 Kasım 2017
- XXIX. **Transkriptom: Temel kavramlar ve klinik uygulamaları**  
ARĞA K. Y.  
Klinisyenler için Moleküler Biyoloji ve Genetik Temel Kavramlar Sempozyumu, İstanbul, Türkiye, 25 Kasım 2017
- XXX. **Comprehensive mapping of differential protein interactome in human cancers**  
GÜLFİDAN G., TURANLI B., ARĞA K. Y.
- Uluslararası Katılımlı XV. Tıbbi Biyoloji ve Genetik Kongresi, 26 - 29 Ekim 2017
- XXXI. **Transcriptome based systems biomarkers: a novel prognostic gene module in ovarian cancer**  
ARĞA K. Y., GÖV E.  
Uluslararası Katılımlı XV. Tıbbi Biyoloji ve Genetik Kongresi, 26 - 29 Ekim 2017
- XXXII. **Using Systems Based Models to Uncover the Disease Network of Psoriasis and its associations with other autoimmune-related diseases**  
SEVİMOĞLU T., ARĞA K. Y., KARADAĞ A. S.  
26th European Academy of Dermatology and Venereology Congress, 13 - 17 Eylül 2017

- XXXIII. **Tissue specific reporter biomolecules in ovarian cancer: novel biomarkers and candidate therapeutic targets**  
GÖV E., KORİ M., ARĞA K. Y.  
Sanko Üniversitesi Tıpta İnovasyon Buluşmaları-3, 11 - 13 Mayıs 2017
- XXXIV. **Gene Expression Oriented Drug Repositioning Targets For Prostate Cancer**  
TURANLI B., GÜLFİDAN G., ARĞA K. Y.  
Sanko Üniversitesi Tıpta İnovasyon Buluşmaları-3, 11 - 13 Mayıs 2017
- XXXV. **A novel in silico methodology for drug target identification based on differential interactome**  
GÜLFİDAN G., TURANLI B., ARĞA K. Y.  
Sanko Üniversitesi Tıpta İnovasyon Buluşmaları-3, 11 - 13 Mayıs 2017
- XXXVI. **Drug target identification through context-specific protein interaction networks with minimum uncertainty**  
ÇALIŞKAN A., AYYILDIZ D., GÖV E., ARĞA K. Y.  
Sanko Üniversitesi Tıpta İnovasyon Buluşmaları-3, 11 - 13 Mayıs 2017
- XXXVII. **Pea3 transkripsiyon faktörünün nöronlardaki fonksiyonuyla ilişkili yeni hedeflerin belirlenmesi**  
KANDEMİR B., ARĞA K. Y., YILMAZ B., KURNAZ I.  
15. Ulusal sinirbilim kongresi- Uluslararası Katılımlı, 7 - 10 Mayıs 2017
- XXXVIII. **Genexpharma: Search Tool For Gene Expression Oriented Drug Repositioning**  
TURANLI B., GÜLFİDAN G., ARĞA K. Y.  
International DNA Day And Genome Congress, 24 - 28 Nisan 2017
- XXXIX. **The High Potential of Network Entropy Based Differential Protein Interactome Analysis for Diagnostics Innovation in Oncology and Tumor Pathogenesis: A Case Study on Ovarian Cancer**  
GÖV E., AYYILDIZ D., ARĞA K. Y.  
International DNA Day And Genome Congress, 24 - 28 Nisan 2017
- XL. **Differential coexpression network in ovarian cancer Prognostic and therapeutic targets**  
GÖV E., ARĞA K. Y.  
6. Multidisipliner Kanser Araştırma Kongresi, 27 - 30 Ekim 2016
- XLI. **Computational anti cancer agent repurposing for pancreatic cancer**  
ÇALIMLIOĞLU B., GÜLFİDAN G., ÖZTÜRK R., NALBANT Z., ARĞA K. Y.  
6. Multidisipliner Kanser Araştırma Kongresi, 27 - 30 Ekim 2016
- XLII. **Drug repositioning strategies aplied on a group of cancer**  
ÇALIMLIOĞLU B., GÜLFİDAN G., ÖZTÜRK R., NALBANT Z., ARĞA K. Y.  
41. FEBS CONGRESS, 3 - 08 Eylül 2016
- XLIII. **Roemerine limits carbohydrate uptake which leads to alternative nutrients such as acetyl coA sources**  
AYYILDIZ D., AVCI F. G., ARĞA K. Y., SARIYAR AKBULUT B.  
FEBS 2016 Congress, 3 - 08 Eylül 2016
- XLIV. **(-) Roemerine limits carbohydrate uptake which leads to alternative nutrients as acetyl-CoA sources**  
Ayyildiz D., Avci F. G., Arga K. Y., Akbulut B. S.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Türkiye, 3 - 08 Eylül 2016,  
cilt.283, ss.121-122
- XLV. **A glance at smoking effect on preeclamptic placenta with transcriptional regulation approach**  
Aydin B., Arga K. Y.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Türkiye, 3 - 08 Eylül 2016,  
cilt.283, ss.77
- XLVI. **Resemblance of human cancer stem cells based on genome-wide expression profiles**  
Gov E., Kaya N., Arga K. Y.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Türkiye, 3 - 08 Eylül 2016,  
cilt.283, ss.300
- XLVII. **Drug repositioning strategies applied on a group of cancer**  
Calimlioglu B., Ozturk R., Nalbant Z., Gulfidan G., Arga K. Y.

- 41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Türkiye, 3 - 08 Eylül 2016,  
cilt.283, ss.140
- XLVIII. **Investigating the toxic effects of nonylphenol on *Saccharomyces cerevisiae***  
BEREKETOĞLU C., ARĞA K. Y., MERTOĞLU B.  
17th European Congress on Biotechnology, 3 - 06 Temmuz 2016
- XLIX. **Investigating the toxic effects of nonylphenol on *Saccharomyces cerevisiae***  
BEREKETOĞLU C., ARĞA K. Y., MERTOĞLU B.  
17th European Congress on Biotechnology, 3 - 06 Temmuz 2016
- L. **Investigating the toxic effects of nonylphenol on *Saccharomyces cerevisiae***  
BEREKETOĞLU C., ARĞA K. Y., MERTOĞLU B.  
ECB2016 - 17. European Congress on Biotechnology, 3 - 06 Temmuz 2016
- LI. **Systems biology perspective on diabetic nephropathy may reveal molecular mechanism of diabetic retinopathy**  
ÇALIMLIOĞLU B., ÖZTÜRK R., ARĞA K. Y.  
ECB2016 17. European Congress on Biotechnology, 3 - 06 Temmuz 2016
- LII. **Transcriptional analysis of nonylphenol on *Saccharomyces cerevisiae* using DNA microarray**  
BEREKETOĞLU C., ARĞA K. Y., ERASLAN S., MERTOĞLU B.  
Gene transcription in yeast: From chromatin to RNA and back, 11 - 16 Haziran 2016
- LIII. **Transcriptional analysis of nonylphenol on *Saccharomyces cerevisiae* using DNA microarray**  
BEREKETOĞLU C., ARĞA K. Y., ERASLAN S., MERTOĞLU B.  
Gene transcription in yeast: From chromatin to RNA and back, 11 - 16 Haziran 2016
- LIV. **Roemerine limits carbohydrate uptake which leads to alternative nutrients as acetyl CoA sources**  
AYYILDIZ D., AVCI F. G., ARĞA K. Y., SARIYAR AKBULUT B.  
THE 41TH FEBS, 3 Eylül - 08 Haziran 2016
- LV. **Integrant roles of microRNAs and transcription factors in ovarian cancer transcriptional regulatory network**  
GÖV E., ARĞA K. Y.  
Innovation in Medicine Summit-2, 5 - 07 Mayıs 2016
- LVI. **The plant derived alkaloid roemerin is involved in the modulation of motility in *E coli***  
AYYILDIZ D., AVCI F. G., ARĞA K. Y., BÜDEYRİ GÖKGÖZ N., SAYAR N. A., KAZAN D., WOZNY K., BRÜGGER B.,  
SARIYAR AKBULUT B.  
BIOPHYSICAL SOCIETY 60TH ANNUAL MEETING, 27 Şubat - 02 Mart 2016
- LVII. **Multi Omic Stratejiler Yardımıyla Endometriyozis Hastalığı için Biyobelirteç Tayini**  
Kori M., ÇALIMLIOĞLU B., ARĞA K. Y.  
4. Ulusal Moleküler Biyoloji ve Biyoteknoloji, Türkiye, 21 - 24 Ağustos 2015
- LVIII. **Sistem biyotip araştırmaları için bütünlendirilmiş biyolojik ağlar yaklaşımı**  
ÇALIMLIOĞLU B., ARĞA K. Y.  
4. ULUSAL MOLEKÜLER BİYOLOJİ VE BİYOTEKNOLOJİ KONGRESİ, Türkiye, 21 - 24 Ağustos 2015
- LIX. **Transcriptomics Reveals Association Between Psoriasis and Rheumatoid Arthritis**  
SEVİMOĞLU T., ARĞA K. Y.  
EuroMedLab Paris2015, Paris, Fransa, 21 - 25 Haziran 2015
- LX. **Metabolic Variability Analysis Through Human Metabolic Model**  
ISLER E., Yavuz U., ÇALIMLIOĞLU B., ARĞA K. Y.  
3rd International Gen-Arel Molecular Biology and Genetics Student Congress, 24 - 25 Nisan 2015
- LXI. **Genomic and Proteomic Candidate Biomarker Investigation for Personalized Medicine**  
Baran B., AKBAS M., ÇALIMLIOĞLU B., ARĞA K. Y.  
3rd International Gen-Arel Molecular Biology and Genetics Student Congress, 24 - 25 Nisan 2015
- LXII. **Uncovering the interconnectivity between infertility-associated woman diseases**  
Kori M., Arga K. Y.  
FEBS EMBO 2014 Conference, Paris, Fransa, 30 Ağustos - 04 Eylül 2014, cilt.281, ss.276
- LXIII. **Deciphering triple negative breast cancer driven pathways via multi-omic networks**

- Karagoz K., Sinha R., Arga K. Y.  
FEBS EMBO 2014 Conference, Paris, Fransa, 30 Ağustos - 04 Eylül 2014, cilt.281, ss.452
- LXIV. **Computational association of autoimmune diseases: a case study**  
Sevimoglu T., Arga K. Y.  
FEBS EMBO 2014 Conference, Paris, Fransa, 30 Ağustos - 04 Eylül 2014, cilt.281, ss.109-110
- LXV. **Investigation of the fructose uptake system in halophilic bacteria Halomonas smyrnensis AAD6T**  
Aydin B., Oner E. T., Arga K. Y.  
38th Congress of the Federation-of-European-Biochemical-Societies (FEBS), Saint Peter, Guernsey Ve Alderney, 6 - 11 Temmuz 2013, cilt.280, ss.559
- LXVI. **Characterization of the first extremophilic levansucrase purified from halophilic bacteria Halomonas smyrnensis AAD6T**  
Calimlioglu B., Oner E. T., Arga K. Y.  
38th Congress of the Federation-of-European-Biochemical-Societies (FEBS), Saint Peter, Guernsey Ve Alderney, 6 - 11 Temmuz 2013, cilt.280, ss.178-179
- LXVII. **A novel levansucrase purified from halophilic bacteria halomonas smyrnensis AAD6T**  
TURANLI B., ARĞA K. Y., TOKSOY ÖNER E.  
10th Carbohydrate Bioengineering Meeting (CBM10), Prague, Çek Cumhuriyeti, 21 - 24 Nisan 2013
- LXVIII. **Biosensor production for foodborn pathogen salmonella enteritidis**  
SÜNER S., ARĞA K. Y., SESAL N. C.  
The International Congress on Bioinformatics and Biomics, 18 - 22 Mayıs 2011
- LXIX. **LEVAN PRODUCTION BY Halomonas sp.**  
Kazak H., Ates O., Kucukasik F., ARĞA K. Y., Oner E. T.  
6th International Conference on Polysaccharides-Glycoscience, Prague, Çek Cumhuriyeti, 29 Eylül - 01 Ekim 2010, ss.133-134
- LXX. **Structural robustness of protein interaction networks are due to modularity**  
ARĞA K. Y., Onsan Z., Kirdar B., Nielsen J., Ulgen K.  
12th European Congress on Biotechnology (ECB 12), Copenhagen, Danimarka, 21 - 24 Ağustos 2005, cilt.118
- LXXI. **Integrated approach to reconstruct signal transduction networks**  
ARĞA K. Y., Kirdar B., Ulgen K., Nielsen J.  
12th European Congress on Biotechnology (ECB 12), Copenhagen, Danimarka, 21 - 24 Ağustos 2005, cilt.118

## Desteklenen Projeler

Kasavi C., Arga K. Y., Erzik C., Çalışkan M., Yılmaz B., TÜBİTAK Projesi, Abdominal aort anevrizmasının erken teşhis ve tedavisine yönelik biyobelirteç ve ilaç adaylarının belirlenmesi, 2021 - 2023

Arga K. Y., Sinha R., Diğer Ülkelerdeki Kamu Kurumları Tarafından Desteklenmiş Proje, Integration of metabolomics and proteomics for breast cancer diagnosis, 2018 - 2021

Arga K. Y., Güre A. O., TÜBİTAK Uluslararası İkili İşbirliği Projesi, Üçlü Negatif Meme Kanseri (TNMK ya da Diğer Bir Adıyla Bazal Tip) İçin Prognoz ve Kemosensitivite Biyobelirteçlerin Belirlenmesi, in Vitro ve in Vivo Deneylerle Doğrulanması, 2017 - 2021

Arga K. Y., Turanlı B., TÜBİTAK Projesi, Rahim ağzi kanserinin tedavisi için konakçı-patojen protein-protein etkileşimleri yoluyla ilaç repozisyonu, 2019 - 2020

Arga K. Y., ÖZBEK SARICA P., TÜBİTAK Projesi, Kolorektal kanserde farklılaşan protein-protein etkileşimleri üzerinden ilaç repozisyonu, 2019 - 2020

Arga K. Y., Yükseköğretim Kurumları Destekli Proje, Aday biyobelirteçleri ve potansiyel terapötikleri belirlemek için kolorektal adenokarsinomda diferansiyel interaktom analizi, 2019 - 2020

Arga K. Y., Kısaayak Çollak F., Erzik C., Demir Ü., Turanlı B., TÜBİTAK Projesi, Sistem Biyolojisi Bakışı İle Farklı Seviyelerde Biyolojik Moleküller Üzerinden Prostat Kanseri İçin İlaç Repozisyonu Uygulamaları, 2017 - 2019

Arga K. Y., Yükseköğretim Kurumları Destekli Proje, Kanserde protein etkileşimlerinin dinamik haritalaması, 2018 - 2018

Arga K. Y., TURANLI B., TÜBİTAK Projesi, Hesaplama Sistem Biyolojisi Yaklaşımı İle Kanser İlintili İşaretçi Moleküllerin

### Tespiti Ve Haritalanması, 2017 - 2018

Arğa K. Y., TURANLI B., Yükseköğretim Kurumları Destekli Proje, Aday kanser karşıtı ilaçların bulunması için sistem biyotip ve farmakolojisi yaklaşımı ile ilaç reposisyonu, 2016 - 2018

Arğa K. Y., Yükseköğretim Kurumları Destekli Proje, Mayada TOR sinyal iletiminde yeni yolizlerinin tespiti ve araştırılması, 2016 - 2017

Arğa K. Y., Yükseköğretim Kurumları Destekli Proje, Mezenkimal kök hücrelerin over kanser hücre hatları ile etkileşime sistem biyolojisi yaklaşımı, 2015 - 2017

Arğa K. Y., Akyay Z., Yükseköğretim Kurumları Destekli Proje, Agresif ve agresif olmayan papiller tiroid karsinomunda mRNA ve mRNA ekspresyon profillerinin ve gen miRNA ilişkisinin belirlenip biyolojik ağlarla ilişkilendirilmesi, 2015 - 2016

Arğa K. Y., Yükseköğretim Kurumları Destekli Proje, Sistem biyolojisi yaklaşımı ile Psoriasis Sedef hastalığı ile ilintili biyobelirteç tayini, 2014 - 2016

Arğa K. Y., Mertoğlu B., Yükseköğretim Kurumları Destekli Proje, Endokrin bozucu bileşiklerin *Saccharomyces cerevisiae* genomunun transkripsiyon profilleri üzerindeki etkilerinin moleküller metotlarla araştırılması, 2013 - 2016

Arğa K. Y., Kazan D., Yükseköğretim Kurumları Destekli Proje, Biyoproses otomatik kontrol araştırma geliştirme ve eğitim kompleksi, 2013 - 2016

Arğa K. Y., Toksoy Öner E., TÜBİTAK Uluslararası İkili İşbirliği Projesi, Yeni nesil biyoyakıt teknolojileri için ekstremofiller, 2012 - 2016

Arğa K. Y., Toksoy Öner E., TÜBİTAK Projesi, Levan bazlı polimerlerin biyolojik aktivitelerinin *in vitro* ve *in silico* incelenmesi, 2011 - 2015

Arğa K. Y., Yükseköğretim Kurumları Destekli Proje, Artırılmış levan biyosentezi stratejileri tasarlamak için *Halomonas smyrnensis* AAD6T deki fruktoz alımının araştırılması, 2013 - 2014

Arğa K. Y., Yükseköğretim Kurumları Destekli Proje, *Halomonas smyrnensis* AAD6T den izole edilen levansukraz enziminin saflaştırılması ve karakterizasyonu, 2013 - 2014

Arğa K. Y., Toksoy Öner E., TÜBİTAK Projesi, Levan Bazlı Polimerlerin Biyolojik Aktivitelerinin *In Vitro* ve *In Silico* İncelenmesi, 2012 - 2014

Arğa K. Y., TÜBİTAK Projesi, Mikrobiyal biyopolimer üretiminin sistem bazlı optimizasyonu, 2011 - 2014

Arğa K. Y., Yükseköğretim Kurumları Destekli Proje, Levan üreten *Halomonas smyrnensis* AAD6 için biyoinformatik temelli metabolik ağıyapı oluşturulması, 2013 - 2013

Arğa K. Y., Yükseköğretim Kurumları Destekli Proje, Biyopolimer üretim mekanizmalarının metabolik ağıyapılar ile aydınlatılması, 2011 - 2013

Arğa K. Y., Yükseköğretim Kurumları Destekli Proje, Ekzopolisakkarit üreten halofilik bakterilerde gen açıklamalarının eldesi ve karşılaştırmalı genomiks, 2011 - 2012

### Metrikler

Yayın: 201

Atıf (WoS): 1833

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### Akademi Dışı Deneyim

TÜBİTAK, ARDEB, -

Düger Kamu Kurumu, KOSGEB, -

TÜRKİYE SAĞLIK ENSTİTÜLERİ BAŞKANLIĞI