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Kişisel Bilgiler

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Eğitim Bilgileri

Bütünleşik Doktora, Sabancı Üniversitesi, Fen Bilimleri Enstitüsü, Biyoloji Bilimleri Ve Biyomühendislik (Dr), Türkiye
2007 - 2012

Akademik İdari Deneyim

Etik Kurul Üyesi, Acibadem Mehmet Ali Aydınlar Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2020 - Devam Ediyor

Verdiği Dersler

Biyoistatistik, Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Effect of the switch status of Helicobacter pylori outer inflammatory protein A on gastric diseases**
ÖKTEM OKULLU S., Karaman T., Akcelik-Deveci S., TİMUÇİN E., SEZERMAN O. U., Mansur-Ozen N., Buyukcolak Y., TIFTIKCI A.
AMB EXPRESS, cilt.13, sa.1, 2023 (SCI-Expanded)
- II. **Computational completion of the Aurora interaction region of N-Myc in the Aurora a kinase complex**
Altiner P., Çınaroğlu S. S., Timuçin A. C., Timucin E.
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- III. **Follicular homocysteine as a marker of oocyte quality in PCOS and the role of micronutrients**
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- IV. **A small non-interface surface epitope in human IL18 mediates the dynamics and self-assembly of IL18-IL18BP heterodimers**
Yazici Y. Y., Belkaya S., TİMUÇİN E.
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- V. **Identification of Protein Interacting Partners of Na⁺/K⁺-ATPase Pump alpha 1 Subunit by Proteomic and Bioinformatic Analysis in InVitro Hypoxic Cardiomyocytes**
BALOĞLU E., Gencay G., Gurler B., TİMUÇİN E., DURER Z. A., KILINÇ E.
ACTA PHYSIOLOGICA, ss.58-59, 2023 (SCI-Expanded)
- VI. **Evaluation of AlphaFold structure-based protein stability prediction on missense variations in**

cancer

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FRONTIERS IN GENETICS, cilt.14, 2023 (SCI-Expanded)

- VII. **Brave new surfactant world revisited by thermoalkalophilic lipases: computational insights into the role of SDS as a substrate analog**

Shehata M., Unlu A., Iglesias-Fernandez J., Osuna S., SEZERMAN O. U., TİMÜÇİN E.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS, cilt.25, sa.3, ss.2234-2247, 2022 (SCI-Expanded)

- VIII. **SERUM ESTROGEN AND PROGESTERONE LEVELS AS PREDICTORS OF OUTCOME IN WOMEN UNDERGOING ARTIFICIALLY PREPARED FROZEN EMBRYO TRANSFER CYCLES**

Yuceturk A., Cakiroglu A. Y., Kopuk S. Y., Utkan Korun Z. E., Karaosmanoglu O., Yazicioglu C., Timucin E., Tiras B., Seli E.

FERTILITY AND STERILITY, cilt.118, sa.4, ss.284-285, 2022 (SCI-Expanded)

- IX. **Modeling and dynamical analysis of the full-length structure of factor XII with zinc.**

Kılınç E., Can Timucin A. C., Selim Cinaroglu S., Timucin E.

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- X. **Toward Compilation of Balanced Protein Stability Data Sets: Flattening the Delta Delta G Curve through Systematic Enrichment**

Kebabci N., TİMÜÇİN A. C., TİMÜÇİN E.

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- XI. **Molecular modelling of the FOXO4-TP53 interaction to design senolytic peptides for the elimination of senescent cancer cells.**

Le H. H., Cinaroglu S. S., Manalo E. C., Ors A., Gomes M. M., Duan Sahbaz B., Bonic K., Origel Marmolejo C. A., Quentel A., Plaut J. S., et al.

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- XII. **Bridging the Bridging Imidazolate in the Bimetallic Center of the Cu/Zn SOD1 and ALS**

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- XIII. **Completing the Partially Resolved Complex Crystal Structure of Aurora Kinase A/-N-MYC by Molecular Modeling**

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- XIV. **Brave New Surfactant World Revisited by Lipases: Activation and Unfolding in SDS**

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- XV. **Comprehensive evaluation of the MM-GBSA method on bromodomain-inhibitor sets.**

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- XVI. **Lipase and Water in a Deep Eutectic Solvent: Molecular Dynamics and Experimental Studies of the Effects of Water-In-Deep Eutectic Solvents on Lipase Stability.**

Shehata M., Unlu A., Sezerman U., Timucin E.

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- XVII. **Understanding thermal and organic solvent stability of thermoalkalophilic lipases: insights from computational predictions and experiments.**

Shehata M., Timucin E., Venturini A., Sezerman O. U.

Journal of molecular modeling, cilt.26, ss.122, 2020 (SCI-Expanded)

- XVIII. **Translation and cross-cultural adaptation of the extended version of the Nordic musculoskeletal questionnaire into Turkish**

Alaca N., Bayraktar E. E., Dönmez A. İ., Timuçin E.

JOURNAL OF MUSCULOSKELETAL NEURONAL INTERACTIONS, cilt.19, sa.4, ss.472-481, 2019 (SCI-Expanded)

- XIX. **Comparative Assessment of Seven Docking Programs on a Nonredundant Metalloprotein Subset of**

the PDBbind Refined.

Çınaroğlu S., Timuçin E.

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- XX. **Insights into an alternative benzofuran binding mode and novel scaffolds of polyketide synthase 13 inhibitors.**
Çınaroğlu S., Timuçin E.
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- XXI. **In silico identification of inhibitors targeting N-Terminal domain of human Replication Protein A.**
Çınaroğlu S., Timuçin E.
Journal of molecular graphics & modelling, cilt.86, ss.149-159, 2019 (SCI-Expanded)
- XXII. **Thermostability of the PYL-PP2C Heterodimer Is Dependent on Magnesium: In Silico Insights into the Link between Heat Stress Response and Magnesium Deficiency in Plants.**
Timucin E., Sezerman O. U.
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- XXIII. **Predicting the impact of mutations on the specific activity of Bacillus thermocatenulatus lipase using a combined approach of docking and molecular dynamics**
Yukselen O., Timucin E., Sezerman U.
JOURNAL OF MOLECULAR RECOGNITION, cilt.29, sa.10, ss.466-475, 2016 (SCI-Expanded)
- XXIV. **RACK1 Is an Interaction Partner of ATG5 and a Novel Regulator of Autophagy**
Erbil S., ORAL Ö., Mitou G., Kig C., Durmaz-Timucin E., Guven-Maiorov E., Gulacti F., Gokce G., Dengjel J., Sezerman O. U., et al.
JOURNAL OF BIOLOGICAL CHEMISTRY, cilt.291, sa.32, ss.16753-16765, 2016 (SCI-Expanded)
- XXV. **Probing the roles of two tryptophans surrounding the unique zinc coordination site in lipase family I.5**
Timucin E., Cousido-Siah A., Mitschler A., Podjarny A., Sezerman O. U.
PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS, cilt.84, sa.1, ss.129-142, 2016 (SCI-Expanded)
- XXVI. **Zinc Modulates Self-Assembly of Bacillus thermocatenulatus Lipase**
Timucin E., Sezerman O. U.
BIOCHEMISTRY, cilt.54, sa.25, ss.3901-3910, 2015 (SCI-Expanded)
- XXVII. **Direct in vitro selection of titanium-binding epidermal growth factor**
Tada S., Timucin E., Kitajima T., Sezerman O. U., Ito Y.
BIOMATERIALS, cilt.35, sa.11, ss.3497-3503, 2014 (SCI-Expanded)
- XXVIII. **The Conserved Lid Tryptophan, W211, Potentiates Thermostability and Thermoactivity in Bacterial Thermoalkalophilic Lipases**
Timucin E., Sezerman O. U.
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- XXIX. **Modifying the catalytic preference of tributyrin in Bacillus thermocatenulatus lipase through in-silico modeling of enzyme-substrate complex**
Durmaz E., Kuyucak S., Sezerman U.
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- XXX. **The drought response displayed by a DRE-binding protein from Triticum dicoccoides.**
Lucas S., Durmaz E., Akpınar B., Budak H.
Plant physiology and biochemistry : PPB, cilt.49, ss.346-51, 2011 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Identification of Interaction Partners of H.pylori Outer Inflammatory Protein A**
Öktem Okullu S., Akçelik Deveci S., Timuçin E.
TuPA Uluslararası Proteomik Kongresi // 5. Ulusal Proteomik Kongresi, Ankara, Türkiye, 13 - 14 Ekim 2023
- II. **Characterization of actin-binding tail structure and dynamics in metavinculin mutants associated**

with cardiomyopathy

DURER Z. A., Grawert T., Yetke H. I., Bulut A. S., TİMUÇİN E., Sayers Z., KAN B.

14th European Biophysics Congress (EBSA), Stockholm, İsveç, 31 Temmuz - 04 Ağustos 2023

- III. **Identification of Protein Interacting Partners of Na⁺/K⁺-ATPase Pump alpha 1 Subunit by Proteomic and Bioinformatic Analysis in In Vitro Hypoxic Cardiomyocytes**
BALOĞLU E., Gençay G., Gürler B., TİMUÇİN E., DURER Z. A., Kılınç E.
47.Ulusal Fizyoloji Kongresi, Amerika Birleşik Devletleri, 01 Kasım 2022, cilt.237, ss.58-59
- IV. **SERUM ESTROGEN AND PROGESTERONE LEVELS AS PREDICTORS OF OUTCOME IN WOMEN UNDERGOING ARTIFICIALLY PREPARED FROZEN EMBRYO TRANSFER CYCLES**
Yuceturk A., CAKIROGLU A. Y., Kopuk S. Y., Korun Z. E. U., Karaosmanoglu O., Yazicioglu C., TİMUÇİN E., TIRAŞ M., Seli E.
78th Annual Scientific Congress and Expo of the American-Society-for-Reproductive-Medicine (ASRM), California, Amerika Birleşik Devletleri, 22 - 26 Ekim 2022
- V. **Molecular Docking and Dynamic studies for H.pylori OipA Possible Interaction Partner on Gastric Epithelial Cells**
Akçelik Deveci S., TİMUÇİN E., Mansur Özen N., ÖKTEM OKULLU S.
8 International Congress of the Molecular Biology Association of Turkey, İstanbul, Türkiye, 09 Haziran 2022
- VI. **Rationally designed FOXO4-p53 interfering peptide selectively kills chemo-therapy-induced senescent and dormant cancer cells in vivo**
Timuçin E., Fischer J. M., Sezerman U., Çınaroğlu S. S.
Ending Age-Related Diseases: Investment Prospects and Advances in Research conference, New-York, Amerika Birleşik Devletleri, 11 - 12 Temmuz 2019, ss.39
- VII. **Biochemical and structural characterization of the propeptide of pregnancy-associated plasma protein A and its cellular effects**
Durer Z. A., Bozkurt S., Öz Arslan D., Timuçin E., Vizcarra C. L., Coskun A.
Joint 12th EBSA European Biophysics Congress / 10th IUPAP International Conference on Biological Physics (ICBP), Madrid, İspanya, 20 - 24 Temmuz 2019, cilt.48, ss.149
- VIII. **Comparative Assessment of Molecular Docking for the Ligands Closely Interacting with Metals in Metalloproteins**
Timuçin E., Çınaroğlu S. S.
Organalle Biogenesis and Function in Cell Physiology and in Disease Conference, İstanbul, Türkiye, 27 - 29 Mayıs 2019
- IX. **Magnesium confers stability to the PYL10 PP2C complex at high temperatures Insights from molecular dynamics simulations**
SEZERMAN O. U., TİMUÇİN E., ÇETİN E.
2nd International Symposium on Magnesium in Crop Production, Food Quality and Human Health, Sao-Paulo, Brezilya, 4 - 06 Kasım 2014
- X. **Zinc induces self assembly of thermoalkalophilic lipases A strategy for thermostability**
TİMUÇİN E., SEZERMAN O. U.
The 28th Annual Symposium of Protein Society, San Diego, CA, Amerika Birleşik Devletleri, 27 - 30 Temmuz 2014
- XI. **Zinc Induces Self-Assembly Of Bacterial Thermoalkalophilic Lipases: A Strategy For Thermostability**
Timucin E., Sezerman O. U.
28th Annual Symposium of the Protein-Society, California, Amerika Birleşik Devletleri, 27 - 30 Temmuz 2014, cilt.23, ss.134
- XII. **Modifying the chain length selectivity of Bacillus thermocatenuatus lipase through computational models of the enzyme substrate complex**
TİMUÇİN E., KUYUCAK S., SEZERMAN O. U.
İstanbul İstatistiksel Fizik Günleri, 28 - 30 Haziran 2012
- XIII. **Computational Models for Chain Length Selectivity of Bacillus thermocatenuatus lipase**
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The International Conference on Enzyme Science and Technology, Muğla, Türkiye, 31 Ekim - 04 Kasım 2011

- XIV. **Modification of Media pH Significantly Improves Recombinant Protein Stabilityin Pichia pastoris**
GÜL Ö., TİMUÇİN E., SEZERMAN O. U.
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- XV. **Treatment of water polluted with antibiotic resistant bacteria via chlorine and ozone disinfection**
ÖNCÜ BİLGİN N., TİMUÇİN E., BALCIOĞLU I.
Water Contamination Emergencies Conference, Mülheim, Almanya, 11 - 13 Ekim 2010
- XVI. **High throughput protein expression in Pichia pastoris using a non repressing carbon source**
GÜL Ö., TİMUÇİN E., YENİLMEZ B., SEZERMAN O. U.
The Protein Istanbul (PROTIST), İstanbul, Türkiye, 23 - 25 Nisan 2010
- XVII. **Isolation and cloning of dehydration responsive element binding protein DREB from Triticum dicoccoides**
TİMUÇİN E., BUDAK H.
The 7th Plant Genomics European Meeting (PGEM7), Albena, Bulgaristan, 24 - 27 Eylül 2008
- XVIII. **Expression and Cellular Localization of ZIP1 Transporter Under Zinc Deficiency in Wild Emmer Wheat International Durum Wheat Symposium**
TİMUÇİN E., ÇORUH C., DİNLER DOĞANAY G., GRUSAK M., PELEG Z., SARANGA Y., FAHİMA T., YAZICI M. A., ÖZTÜRK L., ÇAKMAK İ., et al.
From Seed to Pasta: The Durum Wheat Chain, Bologna, İtalya, 30 Haziran - 03 Temmuz 2008

Metrikler

Yayın: 57

Atıf (WoS): 290

Atıf (Scopus): 314

H-İndeks (WoS): 9

H-İndeks (Scopus): 10

Ödüller

Timuçin E., Best poster award , Cnr , Ocak 2010