

Personal Information

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Education Information

Doctorate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü , Kimya Mühendisliği, Turkey 2013 - Continues

Post Graduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü , Kimya Mühendisliği, Turkey 2010 - 2013

Under Graduate, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği, Turkey 2007 - 2010

Dissertations

Post Graduate, Yüzey aktif maddelerle modifiye edilen klinoptilolit in atıksulardan hegzavalent krom gideriminde kullanımı , İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, 2013

Research Areas

Computer Sciences, bioinformatics, Biocomputing, Chemical Engineering and Technology, Chemical Technologies, Environmental Chemistry and Technology, Engineering and Technology

Academic Titles / Tasks

Lecturer, İstanbul Medeniyet Üniversitesi, Faculty of Engineering and Natural Sciences , Mühendislik Ve Doğa Bilimleri Fakültesi, 2018 - Continues

Expert, İstanbul Medeniyet Üniversitesi, Faculty of Engineering and Natural Sciences , Mühendislik Ve Doğa Bilimleri Fakültesi, 2017 - 2018

Research Assistant, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi , Kimya Mühendisliği, 2010 - 2017

Professional Experience

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Identification of potential allosteric communication pathways between functional sites of the bacterial ribosome by graph and elastic network models**
Guzel P., Kurkcuoglu O.
BIOCHIMICA ET BIOPHYSICA ACTA-GENERAL SUBJECTS, vol.1861, pp.3131-3141, 2017 (Journal Indexed in SCI)
- **Removal of chromate from wastewater using amine-based-surfactant-modified clinoptilolite**
GÜZEL P., Aydın Y. A. , Deveci Aksoy N.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.13, pp.1277-1288, 2016 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- **Bakteri ve İnsana Ait Ribozomal Komplekslerde Ribozomal Çıkış Tüneli-Peptidil Transferaz Merkezi**

Arasındaki Allosterik Etkileşimin İncelenmesi

GÜZEL P., Kurkcuoglu O.

İstanbul Teknik Üniversitesi Kimya Mühendisliği Lisansüstü Sempozyumu, İstanbul, Turkey, 26 Nisan 2019, pp.1

- **Coarse-Grained Approaches to Analyze Ribosomal Complexes Dynamics: ENM and RedMD**

GÜZEL P., Kürkçüoğlu Ö.

International conference on applied mathematics, modeling and Life Sciences, İstanbul, Turkey, 03 Ekim 2018, pp.100

- **Investigating functional dynamics and allostery at macrolide binding regions on T. thermophilus ribosome**

GÜZEL P., Kurkcuoglu O.

22nd EuroQSAR: 22nd European Symposium on Quantitative Structure-Activity Relationships, Atina, Greece, 16 Eylül 2018, pp.100

- **Comparing Dynamical Behaviors of Bacterial and Human Ribosomal Complexes in Coarse-Grained Scale**

GÜZEL P., Kürkçüoğlu Ö.

International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 Nisan 2018, pp.175

- **Exploring Functional Dynamics of the Human Ribosomal Structure using Elastic Network Model and Molecular Dynamics Simulations**

GÜZEL P., KURKCUOGLU O.

5th International BAU Drug Design Congress, İstanbul, Turkey, 19 Ekim 2017, pp.1

- **Allosteric Regulation Mechanisms in Myosin II Heavy Chain Investigated by k-Shortest Pathways and Elastic Network Models**

GÜZEL P., KURKCUOGLU O.

4th International BAU Drug Design Congress, İstanbul, Turkey, 13 Ekim 2016, pp.1

- **Bakteriyel ribozomda işlevsel merkezler arasındaki allosterik sinyalleşme yollarının incelenmesi**

GÜZEL P., KURKCUOGLU O.

12. Ulusal Kimya Mühendisliği Kongresi, İzmir, Ağustos 2016, İzmir, Turkey, 23 Ağustos 2016, pp.1

- **Clarifying Macrolide Binding Affinity on Different Ribosomal Structures by Elucidating Communication Pathways Between Macrolide Binding Site and Passed Through Tunnel**

GÜZEL P., KURKCUOGLU O.

3rd International BAU Drug Design Congress, İstanbul, Turkey, 01 Ekim 2015, pp.1

- **Investigating communication pathways between decoding center and peptidyl transferase center of the bacterial ribosome: Hints on new druggable sites**

GÜZEL P., KURKCUOGLU O.

X EWDD European Workshop in Drug Design, İtalya, Mayıs 2015, Siena, Italy, 17 Mayıs 2015, pp.1

- **Flexibility analysis of communication pathways between distant functional sites on bacterial ribosome: Hints on new druggable sites**

GÜZEL P., KURKCUOGLU O.

Molecular Chemistry 2014: International Symposium, İstanbul, Turkey, 19 Aralık 2014, pp.1

Invited Congress and Symposium Activities

İstanbul Teknik Üniversitesi Kimya Mühendisliği Lisansüstü Sempozyumu, Attendee, İstanbul, Turkey, 2019

İstanbul Medeniyet Üniversitesi 4. Ulusal Tıp Öğrenci Kongresi, Attendee, İstanbul, Turkey, 2019

International Conference on Applied Mathematics, Modeling and Life Sciences (ICAMLS'18), Attendee, İstanbul, Turkey, 2018

22nd European Symposium on Quantitative Structure-Activity Relationship (22nd Euroqsar), Attendee, Athens, Greece, 2018

International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Attendee, Ankara, Turkey, 2018

5th International BAU Drug Design Congress, Attendee, İstanbul, Turkey, 2017

4th International BAU Drug Design Congress, Attendee, İstanbul, Turkey, 2016

12. Ulusal Kimya Mühendisligi Kongresi, Attendee, İzmir, Turkey, 2016
3rd International BAU Drug Design Congress, Attendee, İstanbul, Turkey, 2015
X EWDD European Workshop in Drug Design, Attendee, İtalya, Italy, 2015

Citations

Total Citations (WOS):18
h-index (WOS):2

Scholarships

2211/E-Yurtiçi Doğrudan Doktora Burs Programı, TUBITAK, 2013 - Continues
International Association for the Exchange of Students for Technical Experience (IAESTE) Bursu, Official Institutions of Foreign Countries, 2010 - Continues