

## Prof. Dr. ŞAHİN UYAYER

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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Yoksis Araştırmacı ID: 17646

### Eğitim Bilgileri

Doktora, Universitaet Potsdam, Almanya 2001 - 2004

Yüksek Lisans, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye 1992 - 1996

Lisans, Türkiye 1988 - 1992

### Yaptığı Tezler

Doktora, Simulation of an annealed polyelectrolytes in a poor solvent, Universitaet Potsdam, 2004

Yüksek Lisans, ÇÖZELTİLERDE ÇÖZÜCÜ KUVVETLER, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, 1996

### Akademik Unvanlar / Görevler

Doç. Dr., Türk-Alman Üniversitesi, Fen Fakültesi, Enerji Bilimi Ve Teknolojileri Bölümü, 2015 - 2023

Dr. Öğr. Üyesi, İstanbul Ticaret Üniversitesi, 2010 - 2015

Dr. Öğr. Üyesi, University of Oklahoma, 2013 - 2013

Dr. Öğr. Üyesi, Maltepe Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Bilgisayar Mühendisliği Bölümü, 2004 - 2009

Araştırma Görevlisi, 2001 - 2004

Araştırma Görevlisi, Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 1993 - 1997

### Akademik İdari Deneyim

Anabilim/Bilim Dalı Başkanı, Türk-Alman Üniversitesi, 2016 - 2022

Bölüm Başkanı, Türk-Alman Üniversitesi, 2016 - 2022

Merkez Müdürü, Türk-Alman Üniversitesi, 2016 - 2019

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

- Confirmation of L-phenylalanine's toxic fibrillary formation and its modulation by D-phenylalanine at different ratios and pH values by using synchrotron FTIR**  
Haciosmanoglu S. K., Akkurt M. G., Atas E., Kamel G., UYAYER Ş., Kazancı M.  
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, cilt.333, 2025 (SCI-Expanded)

- II. **Identification of D- and L-phenylalanine enantiomeric mixtures by employing deep neural network models**  
Nigdelioglu E., Toprak E., Guney Akkurt M., Erol Barkana D., Kazanci M., UYAVER Ş., Calik N.  
Journal of Molecular Structure, cilt.1304, 2024 (SCI-Expanded)
- III. **Effect of gamma rays on magnetic and linear/nonlinear optical properties of pristine and modified nickel ferrite nanoparticles**  
Novini N. Y., Jamshidi-Galeh K., Shojaei S. H. R., Tohidi T., Fatemi A., UYAVER Ş.  
Journal of Materials Science: Materials in Electronics, cilt.35, sa.8, 2024 (SCI-Expanded)
- IV. **Monte Carlo study of magnetic behaviour of single Fe and Ni nanoparticles**  
Yousefpour Novini N., UYAVER Ş., Shojaei S. R., Jamshidi-Galeh K., Tohidi T.  
Molecular Simulation, cilt.50, sa.6, ss.441-446, 2024 (SCI-Expanded)
- V. **Synthesis and investigation of toxicity and photothermal effect of NiFe<sub>2</sub>O<sub>4</sub>@Cu core-shell nanoparticles**  
Yousefpour Novini N., Jamshidi-Galeh K., Shojaei S. R., Tohidi T., UYAVER Ş.  
Physica B: Condensed Matter, cilt.666, 2023 (SCI-Expanded)

## Diğer Dergilerde Yayınlanan Makaleler

- I. **Self-assembly Delivery Targets in Pharmaceutical Industry**  
Ahmadabadi H. N., UYAVER Ş.  
Avicenna Journal of Pharmaceutical Research, 2021 (Hakemli Dergi)
- II. **Theta Point Calculation of a Polymer Chain with Electric Dipole Moments: Monte Carlo Simulation**  
UYAVER Ş.  
SAKARYA UNIVERSITY JOURNAL OF SCIENCE, cilt.24, ss.865-871, 2020 (Hakemli Dergi)
- III. **A Proof of Concept for Home Automation System with Implementation of the Internet of Things Standards**  
sharif m. h., Ivan D., UYAVER Ş.  
Periodicals of Engineering and Natural Sciences, cilt.6, sa.1, 2018 (Scopus)
- IV. **Classification and Detection of Various Geographical Features from Satellite Imagery**  
sharif m. h., UYAVER Ş., zerdo z.  
Periodicals of Engineering and Natural Sciences, cilt.6, sa.1, 2018 (Scopus)
- V. **Astronomical Objects Detection in Celestial Bodies Using Computer Vision Algorithm**  
Sharif M. H., UYAVER Ş.  
Computer Science Information Technology, cilt.76, ss.45-52, 2017 (Hakemli Dergi)
- VI. **Computational Insights Into the Self Assembly of Phenylalanine Based Molecules**  
German H., MANIKANTHAN B., UYAVER Ş., Ulrich H.  
TASK QUARTERLY, cilt.18, sa.4, ss.357-363, 2015 (Hakemli Dergi)
- VII. **Monte Carlo simulation of ideal polymer chain using parallel computing technique**  
KARASULU B., UYAVER Ş.  
Moldavian Journal of the Physical Sciences, cilt.6, sa.3-4, 2011 (Hakemli Dergi)

## Kitaplar

- I. **Sentiment analysis of Turkish Twitter data using polarity lexicon and artificial intelligence**  
Shehu H. A., sharif m. h., UYAVER Ş., TOKAT S., Rabie R.  
Emerging Technologies in Computing, Mahdi H. MirazPeter S. ExcellAndrew WareSafeeullah SoomroMaaruf Ali,  
Editör, Springer, ss.113-125, 2020
- II. **Ordinary Video Events Detection**  
Harris S., UYAVER Ş., HAİDAR S.

Computational Modelling of Objects Presented in Images, , Editör, CRC PRESS, NY, ss.311-323, 2012

III. **Crowd Behavior Surveillance Using Bhattacharyya Distance Metric**

Haidar S., UYAYER Ş., Chabana D.

Computational Modeling of Objects Represented in Images, R. Bernaba, V Brimkov, H. Hauptman, Editör, Springer, Berlin, ss.311-323, 2010

## Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

- I. **Sentiment Analysis of Turkish Twitter Data Using Polarity Lexicon and Artificial Intelligence**  
SHEHU H. A., SHARIF M. H., UYAYER Ş., TOKAT S., RAMADAN R. A.  
3rd International Conference on Emerging Technologies in Computing, Londrina, Brezilya, 19 - 20 Ağustos 2020
- II. **Concentration Effects on the Self-Assembly of Tyrosine Molecules: A Molecular Dynamics Simulation**  
Ahmedabadi H. N., Masoudi A. A., UYAYER Ş.  
International Conference on Mathematical Sciences, 17 - 21 Haziran 2020
- III. **Facial Expression Recognition using Deep Learning**  
Shehu H. A., sharif m. h., UYAYER Ş.  
International Conference on Mathematical Sciences, 17 - 21 Haziran 2020
- IV. **Sentiment analysis of Turkish Twitter data**  
SHEHU H. A., TOKAT S., SHARIF M. H., UYAYER Ş.  
INTERNATIONAL CONFERENCE OF MATHEMATICAL SCIENCES, Istanbul, Turkey, 4 - 08 Eylül 2019, cilt.2183, ss.800041-800044
- V. **Green Energy Skills for Youth**  
ABEREK B., ABEREK M. K., BOH A., BAYGÜL ÖZPINAR Ş. B., UYAYER Ş., ARAL N., ÖZPINAR M. A., KROBKOV I., GARTSEV I., LUBEJ P.  
3rd International Scientific Conference on Philosophy of Mind and Cognitive Modelling in Education, Maribor, Slovenya, 7 - 08 Mayıs 2018
- VI. **Classification of Geographical Features from Satellite Imagery**  
SHARIF M. H., UYAYER Ş., SHARIF M. H. U., İNCE İ. F., ZERDO Z.  
1st International Conference on Emerging Technologies in Data Mining and Information Security (IEMIS 2018), Kolkata, Hindistan, 23 - 25 Şubat 2018, cilt.814
- VII. **ASTRONOMICAL OBJECTS DETECTION IN CELESTIAL BODIES USING COMPUTER VISION ALGORITHM**  
UYAYER Ş., sharif m. h.  
3rd International Conference on Computer Science, Information Technology and Applications (CSITA-2017), 28 - 29 Ekim 2017
- VIII. **Poster STRUCTURAL ANALYSIS of THE FORMATIONS BY AROMATIC AMINO ACIDS**  
UYAYER Ş., HABİBOĞLU M. G., wang w.  
CBSB16, 23 - 25 Mayıs 2016
- IX. **Monitoring System for Drivers of Heavy Vehicles**  
haidar s., GALİP F., selime ö., UYAYER Ş., GÜLER A.  
The International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Kıbrıs (Kktc), 4 - 06 Kasım 2015
- X. **Simulation of a weak polyampholyte**  
UYAYER Ş.  
From Computational Biophysics to Systems Biology (CBSB2015), Normandie, Fransa, 17 - 19 Mayıs 2015
- XI. **Monte Carlo simulations of a weak polya**  
UYAYER Ş., Naran Narayan K., Shuyu S.  
BioMacrocular Ionic Systems 2015, 10 - 14 Mayıs 2015
- XII. **Monte Carlo simulation to investigate the cascade transition of a permuted polyelectrolyte chain**  
UYAYER Ş., BİLGEN B. B.  
Simulation of Multiphysics Multiscale Systems, 9th International Workshop, June 4-6, 2012, Omaha, Nebraska, 1 -

05 Mayıs 2012