

# **Prof. MÜBERRA MARAL SÜNETÇİOĞLU**

## **Personal Information**

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## **Education Information**

Doctorate, Hacettepe University, Fizik Mühendisliği, Atom Ve Molekül Fiziği, Turkey 1983 - 1990

Postgraduate, İstanbul University, Faculty Of Science, Fizik, Turkey 1978 - 1980

Undergraduate, İstanbul University, Faculty Of Science, Fizik, Turkey 1971 - 1975

## **Foreign Languages**

German, B1 Intermediate

English, B2 Upper Intermediate

## **Research Areas**

Physics, Atomic and Molecular Physics, Natural Sciences

## **Academic Titles / Tasks**

Professor, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2001 - Continues

Associate Professor, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 1994 - 2001

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 1992 - 1993

## **Advising Theses**

SÜNETÇİOĞLU M. M., İlaç taşıyıcı lipid sistemlerin dinamik ve termodinamik özelliklerinin spektroskopik yöntemler ile incelenmesi, Doctorate, D.YONAR(Student), 2012

SÜNETÇİOĞLU M. M., Model zar-yüzey aktif etkileşmelerinin elektron paramanyetik rezonans (EPR) spin etiketleme tekniği ile incelenmesi, Postgraduate, D.DOĞAN(Student), 2006

SÜNETÇİOĞLU M. M., EPR spin prob yöntemiyle polimer-yüzey aktif çözeltilerinin yapısal ve dinamik özelliklerinin incelenmesi, Doctorate, K.DEMİR(Student), 2004

## **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Rapid diagnosis of malignant pleural mesothelioma and its discrimination from lung cancer and benign exudative effusions using blood serum**  
 Yonar D., Severcan M., Gurbanov R., SANDAL A., Yilmaz U., Emri S., Severcan F.  
 BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE, vol.1868, no.10, 2022 (SCI-Expanded)
- II. **Effect of cis-(Z)-flupentixol on DPPC membranes in the presence and absence of cholesterol**  
 Yonar D., Sunnetcioglu M. M.  
 CHEMISTRY AND PHYSICS OF LIPIDS, vol.198, pp.61-71, 2016 (SCI-Expanded)
- III. **Differentiation of Mesothelioma from Lung Cancer and Healthy Individuals Using Human Serum by ATR-FTIR Spectroscopy Coupled with Chemometrics**  
 Emri S. A., Yonar D., SANDAL A., Yilmaz U., Severcan F.  
 JOURNAL OF THORACIC ONCOLOGY, vol.10, no.9, 2015 (SCI-Expanded)
- IV. **Spectroscopic and calorimetric studies on trazodone hydrochloride-phosphatidylcholine liposome interactions in the presence and absence of cholesterol**  
 Yonar D., Sunnetcioglu M. M.  
 BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES, vol.1838, no.10, pp.2369-2379, 2014 (SCI-Expanded)
- V. **Interaction of Antidepressant Drug, Clomipramine, with Model and Biological Stratum Corneum Membrane as Studied by Electron Paramagnetic Resonance**  
 Yonar D., Horasan N., Paktas D. D., Abramovic Z., Strancar J., Sunnetcioglu M. M., Sentjurc M.  
 JOURNAL OF PHARMACEUTICAL SCIENCES, vol.102, no.10, pp.3762-3772, 2013 (SCI-Expanded)
- VI. **EPR investigation of clomipramine interaction with phosphatidylcholine membranes in presence and absence of cholesterol**  
 Yonar D., Paktas D. D., Horasan N., Strancar J., Sentjurc M., Sunnetcioglu M. M.  
 JOURNAL OF LIPOSOME RESEARCH, vol.21, no.3, pp.194-202, 2011 (SCI-Expanded)
- VII. **EPR spin probe investigation of irradiated wheat, rice and sunflower seeds**  
 Paktas D. D., Sunnetcioglu M. M.  
 RADIATION PHYSICS AND CHEMISTRY, vol.76, no.1, pp.46-54, 2007 (SCI-Expanded)
- VIII. **EPR spin label study of walnut oil effects on phosphatidylcholine membranes**  
 Horasan N., Sunnetcioglu M., Sungur R.  
 CHEMISTRY AND PHYSICS OF LIPIDS, vol.140, pp.1-10, 2006 (SCI-Expanded)
- IX. **The use of simulation in the EPR spin probe technique for detection of irradiated seeds**  
 Sunnetcioglu M. M., Dadayli D.  
 TALANTA, vol.53, no.1, pp.69-74, 2000 (SCI-Expanded)
- X. **Dynamic Nuclear Polarization studies of TANOL/water-glycerol solutions**  
 Sert İ., Sunnetcioglu M., Sungur R., Bingol G.  
 ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, vol.55, no.8, pp.682-686, 2000 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **The effect of antidepressant drugs on bicellar membranes: an EPR spin labeling study**  
 YONAR D., SÜNETÇİOĞLU M. M.  
 International Conference on Electron Paramagnetic Resonance Spectroscopy and Imaging of Biological Systems, Morgantown, United States Of America, 16 - 22 July 2017, pp.73
- II. **A Novel Method for Early Diagnosis of Malignant Pleural Mesothelioma from Human Serum Samples: ATR-FTIR Spectroscopy**  
 Yonar D., SANDAL A., Emri S., Severcan F.  
 59th Annual Meeting of the Biophysical-Society, Maryland, United States Of America, 7 - 11 February 2015, vol.108

## **Supported Projects**

SÜNETÇİOĞLU M. M., Project Supported by Higher Education Institutions, İlaç bisel etkileşmelerinin EPR tekniği ile incelenmesi, 2017 - 2018

SÜNETÇİOĞLU M. M., Project Supported by Higher Education Institutions, İlaç DPPC etkileşmelerinin EPR spektroskopisi ile incelenmesi, 2015 - 2016

SÜNETÇİOĞLU M. M., Project Supported by Higher Education Institutions, Nano boyuttaki emülsiyonların Elektron Paramanyetik Rezonans (EPR) yöntemi ile incelenmesi, 2014 - 2016

SÜNETÇİOĞLU M. M., Project Supported by Higher Education Institutions, İlaç taşıyıcı ipid sistemlerin dinamik ve termodinamik özelliklerinin spektroskopik yöntemler ile incelenmesi, 2012 - 2016

İDE S., SÜNETÇİOĞLU M. M., YILDIRIM L., ÖZBEY S., POLAT M., ÇOLAK Ş., Project Supported by Higher Education Institutions, FİZ301 FİZİK LAB. V. (Kuantum Fiziği Laboratuarı) dersi kapsamındaki bazı deney donanımlarının sarf malzeme eksikliklerinin giderilmesi, 2014 - 2015

## **Metrics**

Publication: 12

Citation (WoS): 47

Citation (Scopus): 42

H-Index (WoS): 5

H-Index (Scopus): 5