

## Prof. GÜRSEVİL TURAN

### Personal Information

**Email:** gsevgur@metu.edu.tr

**Web:** <https://avesis.metu.edu.tr/gsevgur>

### International Researcher IDs

ScopusID: 7003463075

Yoksis Researcher ID: 163695

### Education Information

Doctorate, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, Turkey 1989 - 1993

Postgraduate, Universitetet İ Oslo (University Of Oslo), Norway 1986 - 1988

Undergraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, Turkey 1978 - 1984

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, B Meson Decays in Nonstandard perspective, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1993

Postgraduate, MIT Bag Model, Universitetet İ Oslo (University Of Oslo), 1988

### Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1992 - Continues

### Academic and Administrative Experience

Middle East Technical University, Graduate School of Natural and Applied Sciences, 2008 - Continues

### Advising Theses

TURAN G., The polarization properties of the final state partyicles in the rare radiative b-meson decays, Doctorate, Ü.Oktay(Student), 2005

TURAN G., The polarization properties of the final state particles in the rare radiative B-meson decays, Doctorate, Ü.OKTAY(Student), 2005

TURAN G., The standard model analysis of the CP violation in the inclusive semileptonic B-meson decays, Postgraduate, Z.DENİZ(Student), 2004

TURAN G., The inclusive semileptonic decays of the B-meson in a CP softly broken two higgs doublet model,

Postgraduate, H.ACAR(Student), 2004

TURAN G., The standart model analysis of the cp violation in the inclusive semileptonic b-meson decays, Postgraduate,

Z.Deniz(Student), 2004

TURAN G., The Inclusive "B to X Tau Tau" decay in the two higgs doublet model, Postgraduate, G.ERKOL(Student), 2001

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

- I. **Quasi-fission and fusion-fission reactions in Ca-48+Pb-208 collisions at E-c.m.=190 MeV**  
Yilmaz O., Turan G., Yilmaz B.  
EUROPEAN PHYSICAL JOURNAL A, vol.56, 2020 (SCI-Expanded)
- II. **Multinucleon transfer in central collisions of U-238+U-238**  
Ayik S., YILMAZ B., YILMAZ TÜZÜN Ö., Umar A. S., TURAN G.  
PHYSICAL REVIEW C, vol.96, no.2, 2017 (SCI-Expanded)
- III. **Quantal description of nucleon exchange in a stochastic mean-field approach**  
Ayik S., YILMAZ TÜZÜN Ö., YILMAZ B., Umar A. S., GÖKALP A., TURAN G., Lacroix D.  
PHYSICAL REVIEW C, vol.91, no.5, 2015 (SCI-Expanded)
- IV. **QCD sum rules study of meson-baryon sigma terms**  
Erkol G., Oka M., Turan G.  
PHYSICAL REVIEW D, vol.78, no.9, 2008 (SCI-Expanded)
- V. **General analysis of the rare B-c -> D-s\*l(+)\*l(-) decay beyond the standard model**  
Yilmaz U. O., Turan G.  
EUROPEAN PHYSICAL JOURNAL C, vol.51, no.1, pp.63-74, 2007 (SCI-Expanded)
- VI. **The exclusive Lambda(b)->Lambda l(+)\*l(-) decay with the fourth generation**  
Turan G.  
JOURNAL OF HIGH ENERGY PHYSICS, no.5, 2005 (SCI-Expanded)
- VII. **CP violation in polarized B -> pi l(+)\*l(-) and B -> pl(+)\*l(-) decays**  
Erkol G., Wagenaar J., Turan G.  
EUROPEAN PHYSICAL JOURNAL C, vol.41, no.2, pp.189-198, 2005 (SCI-Expanded)
- VIII. **The exclusive Lambda(b) Lambda l(+)\*l(-) decay in the general two Higgs doublet model**  
Turan G.  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.31, no.5, pp.525-537, 2005 (SCI-Expanded)
- IX. **The effects of nonstandard Z couplings on the lepton polarizations in B-s ge+e-decays**  
Turan G.  
MODERN PHYSICS LETTERS A, vol.20, no.7, pp.533-542, 2005 (SCI-Expanded)
- X. **A general analysis of the lepton polarizations in B-s ->gamma l(+)\*l(-) decays**  
Yilmaz U., Sirvanli B., Turan G.  
NUCLEAR PHYSICS B, vol.692, pp.249-269, 2004 (SCI-Expanded)
- XI. **B -> X(d)l(+)\*l(-) in a CP softly broken two Higgs doublet model**  
Acar H., Turan G.  
ACTA PHYSICA POLONICA B, vol.35, no.2, pp.687-703, 2004 (SCI-Expanded)
- XII. **Standard model CP violation in B -> X(d)l(+)\*l(-) decays**  
Eygi Z., Turan G.  
MODERN PHYSICS LETTERS A, vol.18, no.38, pp.2735-2747, 2003 (SCI-Expanded)
- XIII. **New physics effects in the rare B-s -> gamma l(+)\*l(-) decays with a polarized photon**  
Yilmaz U., Sirvanli B., Turan G.  
EUROPEAN PHYSICAL JOURNAL C, vol.30, no.2, pp.197-205, 2003 (SCI-Expanded)
- XIV. **The analysis of B-d ->(eta, eta ')l(+)\*l(-) decays in the standard model**  
Erkol G., Turan G.  
EUROPEAN PHYSICAL JOURNAL C, vol.28, no.2, pp.243-248, 2003 (SCI-Expanded)

- XV. **Rare B-s  $\rightarrow$   $\gamma$   $\nu(\nu)$  decay with polarized photon and new physics effects**  
 Sirvanli B., Turan G.  
 MODERN PHYSICS LETTERS A, vol.18, no.1, pp.47-56, 2003 (SCI-Expanded)
- XVI. **CP violation in the radiative dileptonic B-meson decays**  
 Erkol G., Turan G.  
 JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.28, no.12, pp.2983-2991, 2002 (SCI-Expanded)
- XVII. **The exclusive B-s  $\rightarrow$   $\phi$   $l(+)$   $l(-)$  decay in the two Higgs doublet models**  
 Erkol G., Turan G.  
 EUROPEAN PHYSICAL JOURNAL C, vol.25, no.4, pp.575-581, 2002 (SCI-Expanded)
- XVIII. **B-s  $\rightarrow$   $\tau(+)$   $\tau(-)$  decay in the general two Higgs doublet model**  
 İltan E., Turan G.  
 JOURNAL OF HIGH ENERGY PHYSICS, no.11, 2002 (SCI-Expanded)
- XIX. **The exclusive B  $\rightarrow$  (K, K\*)  $l(+)$   $l(-)$  decays in a CP softly broken two Higgs doublet model**  
 Erkol G., Turan G.  
 NUCLEAR PHYSICS B, vol.635, pp.286-308, 2002 (SCI-Expanded)
- XX. **B-s  $\rightarrow$   $\tau(+)$   $\tau(-)$   $\gamma$  decay in the general two Higgs doublet model including the neutral Higgs boson effects**  
 Erkol G., Turan G.  
 PHYSICAL REVIEW D, vol.65, no.9, 2002 (SCI-Expanded)
- XXI. **Radiative dileptonic decays of B-meson in the general two Higgs Doublet Model**  
 Erkol G., Turan G.  
 ACTA PHYSICA POLONICA B, vol.33, no.5, pp.1285-1311, 2002 (SCI-Expanded)
- XXII. **B  $\rightarrow$  K\*  $\tau(+)$   $\tau(-)$  decay in the general two Higgs doublet model including the neutral Higgs boson effects**  
 İltan E., Turan G., Turan İ.  
 JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.28, no.2, pp.307-320, 2002 (SCI-Expanded)
- XXIII. **The exclusive B  $\rightarrow$   $\pi$   $l(+)$   $l(-)$  and B  $\rightarrow$   $\rho$   $l(+)$   $l(-)$  decays in the general two Higgs doublet model**  
 Erkol G., Turan G.  
 JOURNAL OF HIGH ENERGY PHYSICS, no.2, 2002 (SCI-Expanded)
- XXIV. **b  $\rightarrow$  s  $\tau(+)$   $\tau(-)$  decay in the two Higgs doublet model with flavor changing neutral currents**  
 İltan E., Turan G.  
 PHYSICAL REVIEW D, vol.63, no.11, 2001 (SCI-Expanded)
- XXV. **Rare radiative B-s  $\rightarrow$   $\tau(+)$   $\tau(-)$   $\gamma$  decay in the two Higgs doublet model**  
 İltan E., Turan G.  
 PHYSICAL REVIEW D, vol.61, no.3, 2000 (SCI-Expanded)

## Metrics

Publication: 25

Citation (WoS): 246

Citation (Scopus): 183

H-Index (WoS): 11

H-Index (Scopus): 9

## Non Academic Experience

METU

METU