

Prof. İBRAHİM ÜNAL

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABH-5657-2020

Yoksis Researcher ID: 55220

Education Information

Doctorate, Firat University, Institute Of Science, Yüksek Enerji Ve Plazma Fiziği (YI) (Tezli), Turkey 1997 - 2004

Postgraduate, Firat University, Institute Of Science, Yüksek Enerji Ve Plazma Fiziği (YI) (Tezli), Turkey 1995 - 2004

Undergraduate, Firat University, Faculty Of Arts And Sciences, Turkey 1990 - 2004

Dissertations

Doctorate, İyonküre plazmasında yayılan yüksek frekanslı (HF) elektromanyetik dalgaların alan şiddetinin hesaplanması ve ölçülmesi, Firat University, Fen Bilimleri Enstitüsü, Yüksek Enerji Ve Plazma Fiziği (YI) (Tezli), 2003

Postgraduate, Elektron sıcaklığının iyonküre plazmasının elektrik iletkenliğine etkisi, Firat University, Fen Bilimleri Enstitüsü, Yüksek Enerji Ve Plazma Fiziği (YI) (Tezli), 1997

Academic Titles / Tasks

Associate Professor, Inonu University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2013 - Continues

Assistant Professor, Inonu University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2004 - 2013

Research Assistant, Firat University, Faculty Of Science, Department Of Physics, 1996 - 2004

Academic and Administrative Experience

Inonu University, Eğitim Fakültesi, İlköğretim Bölümü, 2006 - 2007

Courses

FEN ÖĞRETİMİNDE LABORATUVAR UYGULAMALARI-I, Undergraduate, 2013-2014

FİZİKTE ÖZEL KONULAR, Undergraduate, 2013-2014

GENEL FİZİK LABORATUVARI-I, Undergraduate, 2013-2014

FEN-TEKNOLOJİ-TOPLUM-ÇEVRE IV (ASTRONOMİK OLAYLAR, TOPLUM VE ÇEVRE), Undergraduate Minor, 2013-2014

MODERN FİZİĞE GİRİŞ, Undergraduate, 2013-2014

ASTRONOMİ, Undergraduate, 2013-2014

GENEL FİZİK LABORATUVARI-II, Undergraduate, 2013-2014

TOPLUMA HİZMET UYGULAMALARI, Undergraduate, 2013-2014

FİZİKTE ÖZEL KONULAR, Undergraduate, 2012-2013
GENEL FİZİK LABORATUVARI-II, Undergraduate, 2012-2013
MODERN FİZİĞE GİRİŞ, Undergraduate, 2012-2013
FEN ÖĞRETİMİNDE LABORATUVAR UYGULAMALARI-II, Undergraduate, 2012-2013
ASTRONOMİ, Undergraduate, 2012-2013
GENEL FİZİK LABORATUVARI-I, Undergraduate, 2012-2013
FEN ÖĞRETİMİNDE LABORATUVAR UYGULAMALARI-I, Undergraduate, 2012-2013
FEN ÖĞRETİMİNDE FİZİK PROJELERİ GELİŞTİRME, Undergraduate Double Major, 2011-2012
FİZİKTE ÖZEL KONULAR, Undergraduate, 2011-2012
GENEL FİZİK LABORATUVARI-II, Undergraduate, 2011-2012
ASTRONOMİ, Undergraduate, 2011-2012
GENEL FİZİK LABORATUVARI-I, Undergraduate, 2011-2012
MODERN FİZİĞE GİRİŞ, Undergraduate, 2011-2012
İLERİ PLAZMA FİZİĞİ-I, Undergraduate Double Major, 2011-2012
GENEL FİZİK LABORATUVARI-II, Undergraduate, 2011-2012
İLERİ İYONKÜRE FİZİĞİ-II, Undergraduate Minor, 2011-2012
İLERİ PLAZMA FİZİĞİ-II, Undergraduate Minor, 2011-2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The Responses of Ionospheric Conductivities on the Mid-Latitudes to Changes in the B-Z Component of Interplanetary Magnetic Field**
TİMOÇİN E., YEŞİL A., ÜNAL İ.
WIRELESS PERSONAL COMMUNICATIONS, vol.114, no.4, pp.2923-2932, 2020 (SCI-Expanded)
- II. **The Effect of the Midlatitude Electron Density Trough on the Ionospheric Conductivities**
TİMOÇİN E., ÜNAL İ., YEŞİL A.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.43, pp.297-307, 2019 (SCI-Expanded)
- III. **The effect of geomagnetic activity changes on the ionospheric critical frequencies (foF2) at magnetic conjugate points**
TİMOÇİN E., ÜNAL İ., Tulunay Y., GÖKER Ü. D.
ADVANCES IN SPACE RESEARCH, vol.62, no.4, pp.821-828, 2018 (SCI-Expanded)
- IV. **Analysis of the Probable Signature of Mid-Latitude Electron Density Trough at the Ionospheric Critical Frequencies over Europe**
Timocin E., ÜNAL İ.
ANNALS OF GEOPHYSICS, vol.60, no.3, 2017 (SCI-Expanded)
- V. **The effect of the geomagnetic activity to the hourly variations of ionospheric foF2 values at low latitudes**
Timocin E., YEŞİL A., ÜNAL İ.
ARABIAN JOURNAL OF GEOSCIENCES, vol.7, no.10, pp.4437-4442, 2014 (SCI-Expanded)
- VI. **The characterization of diffusion tensor for mid-latitude ionospheric plasma**
SAĞIR S., YEŞİL A., Sanac G., ÜNAL İ.
ANNALS OF GEOPHYSICS, vol.57, no.2, 2014 (SCI-Expanded)
- VII. **An approach for unipolar corona discharge in N₂/O₂ gas mixture by considering townsend conditions**
ALISOY H. Z., Yesil A., KÖSEOĞLU M., ÜNAL İ.
JOURNAL OF ELECTROSTATICS, vol.69, no.4, pp.284-290, 2011 (SCI-Expanded)
- VIII. **Performance of IRI-based ionospheric critical frequency calculations with reference to forecasting**
ÜNAL İ., Senalp E. T., YEŞİL A., Tulunay E., Tulunay Y.
RADIO SCIENCE, vol.46, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Evaluation of the Performance of SNC Edge Detector and Pinpoint Detector in Small Areas Depending on Dosimetric Variables**
PEPELE E. K., ÜNAL İ., ALAGÖZ S.
Fırat Üniversitesi Sağlık Bilimleri Tıp Dergisi, vol.37, no.1, pp.43-49, 2023 (Peer-Reviewed Journal)
- II. **Seasonal Variations of Impedance in the Ionospheric Plasma**
ÜNAL İ., KARATAY S., YEŞİL A., HANÇERLİOĞULLARI A.
JOURNAL OF POLYTECHNIC-POLİTEKNIK DERGİSİ, vol.23, no.2, pp.427-433, 2020 (ESCI)

Books & Book Chapters

- I. ERCAN H. F., ÜNAL İ., ERGÜL C., KAYA D.
in: Ağın Yolculuk, , Editor, Doğan Yayıncılık, Elazığ, 2005

Refereed Congress / Symposium Publications in Proceedings

- I. **Three in one: The model of Sun-Earth-Moon**
ÜNAL İ., Ozdemir I.
ERPA International Congresses on Education (ERPA), Athens, Greece, 4 - 07 June 2015, vol.26
- II. **The effect of using animations on pre-service science teachers' science achievement**
ÜNAL İ., Okur N., KAPUCU S.
2nd World Conference on Educational Sciences (WCES-2010), İstanbul, Turkey, 4 - 08 February 2010, vol.2,
pp.5357-5361

Supported Projects

ÜNAL İ., TUBITAK Project, Güneş Dünya Ay Modeli Geliştirilmesi ve Fen Bilgisi Öğretmen Adaylarının Astronomi Eğitimindeki Akademik Başarılarına Etkisi, 2010 - 2011

Metrics

Publication: 13
Citation (WoS): 12
Citation (Scopus): 16
H-Index (WoS): 3
H-Index (Scopus): 3

Non Academic Experience

MEB