



Birim : TEKNİK BİLİMLER MESLEK YÜKSEKOKULU
TIBBİ HİZMETLER VE TEKNİKLER BÖLÜMÜ
OPTİSYENLİK PR.

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ÜAK Temel Alan : Fen Bilimleri ve Matematik Temel Alanı
Fizik
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ERDİNÇ TİMOÇİN

Doç. Dr.

Öğrenim Bilgisi

2011 - 2016 **Doktora** FEN BİLİMLERİ ENSTİTÜSÜ/FİZİK (DR)/

Tez adı: 20. ve 21. güneş döngüsünün azalan dönemi süresince ionosferik orta enlem foF2 değişiminin zamana bağlılığının incelenmesi ve Ariel 4 uydusundan alınan elektron yoğunluğu sonuçlarıyla karşılaştırılması (2016) Tez Danışmanı: İBRAHİM ÜNAL

2009 - 2011 **Yüksek Lisans-Tezli** FEN BİLİMLERİ ENSTİTÜSÜ/FİZİK (YL) (TEZLİ)/

Tez adı: foF2 frekansının uzun süreli değişiminin yer'xxin manyetik alanı ile ilişkisi (2011) Tez Danışmanı: ALİ YEŞİL

2000 - 2005 **Lisans** FEN-EDEBİYAT FAKÜLTESİ/FİZİK BÖLÜMÜ/FİZİK PR./

Akademik Görevler

2017 - **DOKTOR ÖĞRETİM ÜYESİ** MERSİN ÜNİVERSİTESİ/TEKNİK BİLİMLER MESLEK YÜKSEKOKULU/TIBBİ HİZMETLER VE TEKNİKLER BÖLÜMÜ/OPTİSYENLİK PR./

İdari Görevler

2017 - 2018 **Bölüm Başkanı** MERSİN ÜNİVERSİTESİ

Eserler

A. Uluslararası hakemli dergilerde yayımlanan makaleler (21)

- Timoçin, E. (2025). Modeling of Monthly Mean Solar Energy Potential using Artificial Neural Network. In Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Vol. 30, Issue 2, pp. 512–523).
- Aksen, U., Göker, Ü. D., Timoçin, E., Akçay, Ç., & Akçay, M. (2024). The effect of geomagnetic storms on aircraft accidents between the years 1919-2023 in civil aviation. In ADVANCES IN SPACE RESEARCH (Vol. 73, Issue 1, pp. 807–830).
- Özsöz, İ., Pamukçu, O., & Timoçin, E. (2024). Time-dependent magnetic anomaly variations in Turkey and Greece using swarm satellites: A comprehensive precursory multi-track analysis of M_≥6 earthquakes from 2017 to 2020. In JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS (Vol. 258, Issue 5, pp. 106210-).
- Timoçin, E., Temuçin, H., & Pamukçu, O. (2023). Kasım 2021'de Gözlemlenen Jeomanyetik Fırtına ve Düzce Depreminin Jeomanyetik Alan Üzerindeki Etkilerinin Araştırılması. In Deu Muhendislik Fakültesi Fen ve Muhendislik (Vol. 25, Issue 73, pp. 239–253).
- Yıldız, L. B., & Timoçin, E. (2023). The Effect of Solar Flares on HF Radio Communications over Turkey. In GEOMAGNETISM AND AERONOMY (Vol. 63, Issue 5, pp. 642–651).

- Erdinc, T., Huseyin, T., & Samed, I. (2022). The Seasonal Characteristics of Equatorial Plasma Bubbles in Conjugate Hemispheres During 2015. In GEOMAGNETISM AND AERONOMY (Vol. 62, Issue 3, pp. 309–323).
- Timoin, E. (2022). Swarm satellite observations of the effect of prompt penetration electric fields (PPEFs) on plasma density around noon and midnight side of low latitudes during the 07-08 september 2017 geomagnetic storm. In ADVANCES IN SPACE RESEARCH (Vol. 69, Issue 3, pp. 1335–1343).
- Timoin, E., & Temuin, H. (2021). Comparative of foF2 Measurements with IRI-2016 Model Predictions for Different Latitudes during Low and High Solar Activity. In GEOMAGNETISM AND AERONOMY (Vol. 61, Issue 3, pp. 438–448).
- Timoin, E., Temuin, H., İnyurt, S., Munawar, S., & Punyawı, J. (2021). Assessment of improvement of the IRI model for foF2 variability over three latitudes in different hemispheres during low and high solar activities. In ACTA ASTRONAUTICA (Vol. 180, pp. 305–316).
- Timoin, E., Yeşil, A., & Ünal, İ. (2020). The Responses of Ionospheric Conductivities on the Mid-Latitudes to Changes in the BZ Component of Interplanetary Magnetic Field. In Wireless Personal Communications (Vol. 114, Issue 4, pp. 2923–2932).
- Timoin, E., & Erat, S. (2020). The Use of Horizontal Geomagnetic Field Components for Estimation of Geomagnetically Induced Current over Turkey During Space Weather Events. In Turkish Journal of Engineering (Vol. 4, Issue 2, pp. 57–61).
- Timoin, E., İnyurt, S., Temuin, H., Ansari, K., & Jamjareegulgarn, P. (2020). Investigation of equatorial plasma bubble irregularities under different geomagnetic conditions during the equinoxes and the occurrence of plasma bubble suppression. In ACTA ASTRONAUTICA (Vol. 177, pp. 341–350).
- Timoin, E. (2019). The effect of different phases of severe geomagnetic storms on the low latitude ionospheric critical frequencies. In Advances in Space Research (Vol. 64, Issue 11, pp. 2280–2289).
- Timoin, E. (2019). The north and south symmetry of the ionospheric storms at magnetic conjugate points for low latitudes during the March 1976 severe geomagnetic storms and the relation between daily changes of the storms with geomagnetic activity indices. In Advances in Space Research (Vol. 63, Issue 12, pp. 3965–3977).
- Timoin, E., Ünal, İ., & Yeşil, A. (2018). The Effect of the Midlatitude Electron Density Trough on the Ionospheric Conductivities. In Iranian Journal of Science and Technology, Transactions A: Science (Vol. 43, Issue 1, pp. 297–307).
- Timoin, E., Ünal, İ., Tulunay, Y., & Göker, Ü. D. (2018). The Effect of Geomagnetic Activity Changes on the Ionospheric Critical Frequencies (foF2) at Magnetic Conjugate Points. In Advances in Space Research (Vol. 62, Issue 4, pp. 821–828).
- Timoin, E., Ünal, İ., & Göker, Ü. D. (2018). A Comparison of IRI-2016 foF2 Predictions with the Observations at Different Latitudes During Geomagnetic Storms. In Geomagnetism and Aeronomy (Vol. 58, Issue 7, pp. 846–856).
- Timoin, E., & Ünal, İ. (2017). Analysis of the Probable Signature of Mid-Latitude Electron Density Trough at the Ionospheric Critical Frequencies over Europe. In Annals of Geophysics (Vol. 60, Issue 3, pp. 1–7).
- Timoin, E., & Ünal, İ. (2017). Geomagnetic Effects on the Ionospheric HF Predictions Related to Ground and Aviation Communications. In Journal of Aviation (Vol. 1, Issue 2, pp. 120–127).
- Kesmen, S., Ünal, İ., & Timoin, E. (2016). Orta Enlem Elektron Yoğunluğu Çukurunun İyonosferik Kritik Frekanslardaki İzinin İncelenmesi. In E-Journal of New World Sciences Academy, Physical Sciences (Vol. 11, Issue 1, pp. 1–9).
- Timoin, E., Yeşil, A., & Ünal, İ. (2014). The effect of the geomagnetic activity to the hourly variations of ionospheric foF2 values at low latitudes. In Arabian Journal of Geosciences (Vol. 7, Issue 10, pp. 4437–4442).

B. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitaplarında (proceedings) basılan bildiriler (17)

- Yetkin, D., Yıldırımcan, S., Timoin, E., Çetinkaya, S., Erat, S., & Ayaz, F. (2022). Determination of the anticancer effects of M (Mn, Ni, B) doped ZnO nanoparticles against ovarian and breast cancer cells. In The 3rd Advanced Engineering Days (AED) (Vol. 1, Issue 1, pp. 29–31).
- Timoin, E., Temuin, H., & Pamuku, O. (2022). Geomagnetic Variations Possibly Associated with the Düzce Earthquake (M=4.8) on 17 November 2021. In 74th Geological Congress of Turkey (pp. 222–222).
- Yıldırımcan, S., Timoin, E., Çetinkaya, S., & Erat, S. (2021). ESTABLISHMENT AND DE UNIVERSITY OPTICIAN PROGRAM LABORATORY. In V. INTERNATIONAL COVID-19 AND CURRENT ISSUES CONGRESS (pp. 94–95).
- Yıldırımcan, S., Timoin, E., Çetinkaya, S., & Erat, S. (2021). Establishment and Development of Mersin University Optician Program Laboratory. In V. International Covid-19 and Current Issues Congress on Social, Health, and Life Sciences.

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- Timoın, E., & Temuın, H. (2021). GPS OBSERVATIONS OF IONOSPHERIC FLUCTUATIONS OVER MERSİN DURING GEOMAGNETIC STORM OF SEPTEMBER 2017. In II. INTERNATIONAL ANKARA MULTIDISCIPLINARY STUDIES CONGRESS (pp. 138–148).
-
- Temuın, H., & Timoın, E. (2020). DEVELOPMENT OF A DATA SCIENCE TOOL FOR DERIVATION FAST AND RELIABLE OF MAGNETOSPHERIC AND IONOSPHERIC DATA FROM INTERNATIONAL DATA CENTERS. In ISPEC 8th INTERNATIONAL CONFERENCE ON ENGINEERING NATURAL SCIENCES (pp. 202–203).
-
- Timoın, E., Temuın, H., & İnyurt, S. (2020). THE EFFECT OF THE SEVERE GEOMAGNETIC STORM OF AUGUST 2018 ON GPS DERIVED TOTAL ELECTRON CONTENT (TEC) OVER ANKARA, TURKEY. In ISPEC 8th INTERNATIONAL CONFERENCE ON ENGINEERING NATURAL SCIENCES (pp. 204–205).
-
- Timoın, E., & etinkaya, S. (2018). The Modeling of Daily Sun Radiation for Mersin Using Artificial Neural Network Method. In 1. International Mediterranean Symposium (Vol. 4, pp. 170–179).
-
- Timoın, E., & etinkaya, S. (2018). YAPAY SİNİR AĞI YÖNTEMİ KULLANILARAK MERSİN İİNGÜNLÜK GÜNEŞ RADYASYONUNUN MODELLENMESİ. In Uluslararası Akdeniz Sempozyumu.
-
- etinkaya, S., & Timoın, E. (2018). Gliserol Katkı Maddesinin CZTS ince Filmlerin Morfolojik, Yapısal ve Fotovoltaik Özellikleri üzerine etkisi. In Uluslararası Mersin Sempozyumu.
-
- etinkaya, S., & Timoın, E. (2018). The Effect of Glycerol on Morphological, Structural and Photovoltaic Properties Sol-Gel Grown CZTS Thin Films. In 1. International Mediterranean Symposium (Vol. 5, pp. 77–83).
-
- Timoın, E., Ünal, İ., & Aksa, K. (2017). The Investigation of the Latitudinal Variation of Electron Density Profiles in High Latitude Ionosphere. In Turkish Physical Society 33rd International Physics Congress.
-
- Timoın, E., & Ünal, İ. (2017). Performance of IRI-2016 Model Predictions at the Middle Latitudes During Geomagnetic Disturbed Periods. In Turkish Physical Society 33rd International Physics Congress.
-
- Timoın, E., Göker, Ü. D., & Ünal, İ. (2016). The Effect of Geomagnetic Activity Changes on the Ionospheric Critical Frequencies (foF2) at Magnetic Conjugacy Points. In Turkish Physical Society 32nd International Physics Congress.
-
- Yeşil, A., Timoın, E., & Ünal, İ. (2016). The Investigation of the Mid-Latitude Electron Density Trough by Using foF2 Data Taken From IRI and Ionosondes for Geomagnetic Quiet Conditions. In Eighth Workshop Solar Influences on the Magnetosphere, Ionosphere and Atmosphere.
-
- Tulunay, Y., Ünal, İ., Timoın, E., & Tulunay, E. (2015). Revisiting the Influence of the Mid-Latitude Electron Density Trough as the ionospheric projection of the Plasmopause at about 550 Km altitude on High Frequency communication. In 12th European Space Weather Week.
-
- Timoın, E., Ünal, İ., & Aksa, K. (2015). The Response of High Latitude Ionosphere to Jeomagnetic Activity Changes. In 9th International Physics Conference of the Balkan Physical Union.
-

D. Ulusal hakemli dergilerde yayınlanan makaleler (2)

- Timoın, E. (2019). The Effect of Geomagnetic Storms on foF2 Values over Low Latitude Ionosonde Station. In Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Vol. 23, Issue 6, pp. 1237–1241).
-
- Aksa, K., Ünal, İ., & Timoın, E. (2017). Kuzey Yarımküredeki Yüksek Enlem foF2 Değerlerindeki Değişimlerin Jeomanyetik Aktiviteye Bağlılığı. In Anadolu Üniversitesi Bilim Ve Teknoloji Dergisi - B Teorik Bilimler (Vol. 5, Issue 2, pp. 1–1).
-

E. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler (4)

- Ünal, İ., & Timoın, E. (2018). Manyetik Eşlenik Noktalarında Ölçülen ve IRI ile Tahmin Edilen Kritik Frekansların (foF2) Jeomanyetik Fırtınalara Tepkisinin Karşılaştırılması. In IX. URSI (Union Radio Science International)-Türkiye Bilimsel Kongresi.
-
- İnce, A., Timoın, E., & Yeşil, A. (2014). 21. Güneş Döngüsü İçin Güneş Aktivite İndisleri İle Orta Enlem foF2 Arasındaki İlişkinin İncelenmesi. In VII. URSI (Union Radio Science International)-Türkiye Bilimsel Kongresi.
-
- Timoın, E., & Ünal, İ. (2014). Pasif Güneş Aktivitesinde Orta Enlem foF2 Değerlerinin Enlemsel Değişiminin İstatistiksel olarak İncelenmesi. In VII. URSI (Union Radio Science International)-Türkiye Bilimsel Kongresi.
-
- Tulunay, Y., Ünal, İ., Timoın, E., & Kesmen, S. (2012). Elektron Yoğunluğu Çukurunun foF2 Yapısındaki Olası Özel İzi. In VI. URSI (Union Radio Science International)-Türkiye Bilimsel Kongresi.
-

- 2014 - 2015 **Ücretli Öğretmenlik** MİLLÎ EĞİTİM BAKANLIĞI,
- 2005 - 2011 **Anketör** TÜRKİYE İSTATİSTİK KURUMU MALATYA BÖLGE MÜDÜRLÜĞÜ,

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