

## Prof. MURAT YÜCEL

### Personal Information

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### Education Information

Doctorate, Gazi University, Bilişim Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı (Disiplinlerarası), Turkey 2003 - 2008

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Elektronik Bilgisayar Eğitimi (YI) (Tezli), Turkey 2000 - 2003

Undergraduate, Gazi University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, Turkey 1996 - 2000

### Dissertations

Doctorate, Kazancı düzleştirilmiş geniş bantlı fiber yükselteçlerin tasarımı, Gazi University, Bilişim Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı (Disiplinlerarası), 2008

Postgraduate, Erbiyum katkılı fiber yükselteç analizi, Gazi University, Fen Bilimleri Enstitüsü, Elektronik Bilgisayar Eğitimi (YI) (Tezli), 2003

### Research Areas

Optical Communication, bioPhotonic, Electrical and Electronics Engineering, Sensing Devices and Transducers, Electronic Circuits, Optics and Photonics, Lasers and Masers, Optoelectronic Materials and Devices

### Academic Titles / Tasks

Professor, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2019 - Continues

Associate Professor, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2013 - 2019

Assistant Professor, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2012 - 2013

Research Assistant, Gazi University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi, 2002 - 2009

### Academic and Administrative Experience

Gazi University, Teknoloji Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2019 - 2020

### Courses

MEZUNİYET PROJESİ , Undergraduate, 2020 - 2021, 2021 - 2022

Elektronik 2, Undergraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022  
OPTİK YÜKSELTEÇLER VE TEMEL UYG. , Postgraduate, 2020 - 2021, 2021 - 2022  
Elektronik Lab. 1, Undergraduate, 2020 - 2021, 2021 - 2022  
Fiber Optik Algılama Teknikleri, Postgraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021  
Electronic 1, Undergraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022  
Fiber Optik İletişim Teknikleri, Postgraduate, 2020 - 2021  
Optik Haberleşme Sistemleri, Undergraduate, 2016 - 2017, 2017 - 2018  
Fiber Optik İletişim Teknikleri, Postgraduate, 2017 - 2018  
Haberleşme Sistemleri 2, Undergraduate, 2016 - 2017  
Haberleşme Sistemleri 1, Undergraduate, 2016 - 2017

## Advising Theses

YÜCEL M., Software Based Gain Control In Erbium-Doped Fiber Amplifier, Postgraduate, Ö.AKÇEŞME(Student), 2020  
YÜCEL M., Design And Simulation Of The Tilted Fiber Bragg Sensor Capable Of Simultaneously Detecting Temperature And Strain, Postgraduate, S.ECE(Student), 2020  
YÜCEL M., Tulyum katkılı fiber yükseltecin karakteristiğinin incelenmesi, Postgraduate, A.DİNCER(Student), 2019  
YÜCEL M., Analysing Of Characteristics Of Praseodymium Doped Fiber Amplifier, Postgraduate, H.CİHANGİR(Student), 2019  
YÜCEL M., Fiber Optical Sensor Design For Railway Safety, Doctorate, N.FERHAT(Student), 2018  
YÜCEL M., Passive Edge Filter Design Using Erbium-Doped Fiber, Postgraduate, O.KOYUNCU(Student), 2018  
YÜCEL M., Design And Implementation Of Brillouin Scattering Based Fiber Optic Sensor, Doctorate, M.YÜCEL(Student), 2018  
YÜCEL M., Analysis of the dispersion compensation techniques for long distance fiber optic communication systems, Postgraduate, H.GEÇE(Student), 2017  
YÜCEL M., The Analysis And Interpretation Of The Scattering In The Fiber Optic Cable, Postgraduate, S.Boydak(Student), 2016  
YÜCEL M., Characterization And Comparison Of Different Erbium Doped Fiber Amplifiers Types, Postgraduate, Y.ABBAS(Student), 2016  
Yücel M., The Transmission Of Radio Frequency Signals Over Optical Fiber Cable, Postgraduate, N.YILDIZ(Student), 2016  
YÜCEL M., Fiber optik kabloda meydana gelen saçılmaların analizi ve anlamlandırılması, Postgraduate, S.BOYDAK(Student), 2016  
YÜCEL M., The optical gain control of the erbium doped fiber amplifiers, Postgraduate, G.YENİLMEZ(Student), 2014  
YÜCEL M., Reduction of the noise figure at the double-pass erbium doped fiber amplifiers, Postgraduate, Z.ASLAN(Student), 2013  
YÜCEL M., The optimization with genetic algorithm of temperature dependence length of L band EDFA, Postgraduate, D.Adnan(Student), 2011  
YÜCEL M., The optimization with genetic algorithm of temperature dependence length of L band EDFA, Postgraduate, D.ADNAN(Student), 2011

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

- I. **An efficient wide flatness gain bandwidth with parallel hybrid fiber amplifier**  
GÜRKAYNAK İ. A. , Al-Mashhadani T. F. , Al-Mashhadani M. K. S. , Ali M. H. , GÜNDÜZ A. E. , YÜCEL M., Goktas H. H. , Zidan K. A.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.64, no.2, pp.251-258, 2022 (Journal Indexed in SCI)
- II. **Three-stage six-pass EDFA preamplifier design and EDFA parameters' optimization**  
Yigit E., YÜCEL M.  
OPTICAL AND QUANTUM ELECTRONICS, vol.54, no.1, 2022 (Journal Indexed in SCI)

- III. **The gain and noise figure comparison of single-pass, double-pass, and dual-stage triple-pass thulium-doped fiber amplifiers in S-band with thulium-doped fiber optimization**  
YÜCEL M., Dincer A.  
Microwave and Optical Technology Letters, 2022 (Journal Indexed in SCI)
- IV. **The measurement of strain of a prototype pulley system using a Brillouin optical time domain analysis**  
YÜCEL M., Yuce M.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.64, no.1, pp.190-198, 2022 (Journal Indexed in SCI)
- V. **The design and implementation of a software based gain control for EDFAs used in long-haul optical networks**  
AKÇEŞME Ö., YÜCEL M., BURUNKAYA M.  
Optik, vol.239, 2021 (Journal Indexed in SCI)
- VI. **Widely flatness gain bandwidth with double pass parallel hybrid fiber amplifier**  
GÜRKAYNAK İ. A. , Al-Mashhadani M. K. S. , Ali M. H. , Al-Mashhadani T. F. , GÜNDÜZ A. E. , YÜCEL M., Goktas H. H.  
OPTICAL AND QUANTUM ELECTRONICS, vol.53, no.7, 2021 (Journal Indexed in SCI)
- VII. **Tilted fiber Bragg grating design for a simultaneous measurement of temperature and strain**  
Kipriksiz S. E. , YÜCEL M.  
OPTICAL AND QUANTUM ELECTRONICS, vol.53, no.1, 2021 (Journal Indexed in SCI)
- VIII. **Measurement and Control of an Incubator Temperature by Using Conventional Methods and Fiber Bragg Grating (FBG) Based Temperature Sensors**  
Burunkaya M., Yücel M.  
JOURNAL OF MEDICAL SYSTEMS, vol.44, 2020 (Journal Indexed in SCI)
- IX. **Classification of the temperature -dependent gain of an erbium-doped fiber amplifier by using data mining methods**  
Yücel M., Aslan Z., Burunkaya M.  
OPTIK, vol.208, 2020 (Journal Indexed in SCI)
- X. **Widely triple Brillouin frequency shift multiwavelength Brillouin erbium fiber laser**  
Al-Mashhadani T. F. , Al-Mashhadani M. K. S. , Goktas H. H. , YÜCEL M., Celebi F. V.  
OPTICAL AND QUANTUM ELECTRONICS, vol.52, no.4, 2020 (Journal Indexed in SCI)
- XI. **Design and implementation of a passive edge filter with high bandwidth and slope**  
YÜCEL M., Koyuncu O.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.61, no.11, pp.2572-2578, 2019 (Journal Indexed in SCI)
- XII. **Influence of bidirectional cavity structure on the Brillouin Stokes signal characteristics in ring BFL**  
Al-Mashhadani T. F. , Al-Mashhadani M. K. S. , YÜCEL M., Goktas H. H.  
OPTIK, vol.185, pp.359-363, 2019 (Journal Indexed in SCI)
- XIII. **Determination of the temperature independent quiescent regions for different types of erbium-doped fibers**  
Yücel M., Ozoglu Y. A. , Gunduz A. E. , Goktas H. H. , Burunkaya M.  
OPTIK, vol.183, pp.619-628, 2019 (Journal Indexed in SCI)
- XIV. **Simplified fiber Bragg grating-based temperature measurement system design with enhanced high signal-to-noise ratio**  
YÜCEL M., Torun M.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.60, no.4, pp.965-969, 2018 (Journal Indexed in SCI)
- XV. **Real-time monitoring of railroad track tension using a fiber Bragg grating-based strain sensor**  
YÜCEL M., Ozturk N. F.  
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.46, no.5, pp.519-533, 2018 (Journal Indexed in SCI)
- XVI. **Adaptive Neuro-Fuzzy Based Gain Controller for Erbium-Doped Fiber Amplifiers**  
YÜCEL M., ÇELEBİ F. V. , Torun M., GÖKTAŞ H. H.  
ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol.17, no.1, pp.15-20, 2017 (Journal Indexed in SCI)
- XVII. **Experimental analysis of the temperature dependence of the Brillouin gain spectrum in short-length single-mode fiber**

YÜCEL M., Goktas H. H. , YÜCEL M., Ozturk N. F. , Gunduz A. E.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, no.5, pp.3881-3891, 2017  
(Journal Indexed in SCI)

- XVIII. **Design and application of a fiber Bragg grating array based temperature measurement system**  
YÜCEL M., Ozturk N. F. , Torun M., YÜCEL M.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, no.3, pp.957-964,  
2017 (Journal Indexed in SCI)
- XIX. **Effect of burnishing parameters on surface roughness and hardness**  
BAŞAK H., YÜCEL M.  
MATERIALS TESTING, vol.59, no.1, pp.57-63, 2017 (Journal Indexed in SCI)
- XX. **Optimization with genetic algorithm of temperature-dependent fiber length of L-band EDFA gain**  
YÜCEL M., Adnan Mustafa Mustafa D.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.3, pp.1034-1043, 2016  
(Journal Indexed in SCI)
- XXI. **The comparison of the gain flattening techniques EDFA configurations in the C/L band**  
YÜCEL M., Yenilmez G.  
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.17, pp.1450-1457, 2015 (Journal Indexed in  
SCI)
- XXII. **Design and implementation of fuzzy logic based automatic gain controller for EDFAs**  
YÜCEL M., GÖKTAŞ H. H. , Celebi F. V.  
OPTIK, vol.125, no.18, pp.5450-5453, 2014 (Journal Indexed in SCI)
- XXIII. **The noise figure and gain improvement of double-pass C-band EDFA**  
YÜCEL M., Aslan Z.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.55, no.11, pp.2525-2528, 2013 (Journal Indexed in SCI)
- XXIV. **Intelligent modelling of alpha (alpha) parameter; comparison of ANN and ANFIS cases**  
Celebi F. V. , YÜCEL M., Goktas H. H. , Danisman K.  
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.7, pp.470-474, 2013 (Journal  
Indexed in SCI)
- XXV. **Simple and efficient ANN model proposed for the temperature dependence of EDFA gain based on  
experimental results**  
YÜCEL M., Celebi F. V. , GÖKTAŞ H. H.  
OPTICS AND LASER TECHNOLOGY, vol.45, pp.488-494, 2013 (Journal Indexed in SCI)
- XXVI. **EXAMINATION OF TEMPERATURE DEPENDENCE OF DOUBLE PASS L BAND ERBIUM DOPED FIBER  
AMPLIFIER**  
YÜCEL M., GÖKTAŞ H. H.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.27, no.2, pp.237-243,  
2012 (Journal Indexed in SCI)
- XXVII. **Fuzzy logic based device to implement a single CAD model for a laser diode based on characteristic  
quantities**  
Celebi F. V. , YÜCEL M., GÖKTAŞ H. H.  
OPTIK, vol.123, no.6, pp.471-474, 2012 (Journal Indexed in SCI)
- XXVIII. **FUZZY LOGIC-BASED AUTOMATIC GAIN CONTROLLER FOR EDFA**  
YÜCEL M.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.53, no.11, pp.2703-2705, 2011 (Journal Indexed in SCI)
- XXIX. **Temperature independent length optimization of L-band EDFAs providing flat gain**  
YÜCEL M., Goktas H. H. , Celebi F. V.  
OPTIK, vol.122, no.10, pp.872-876, 2011 (Journal Indexed in SCI)
- XXX. **TEMPERATURE DEPENDENCE OF NOISE FIGURE IN THE ERBIUM DOPED FIBER AMPLIFIER**  
YÜCEL M., Goktas H. H. , Ozkaraca O.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.25, no.3, pp.635-641,  
2010 (Journal Indexed in SCI)

- XXXI. **A fuzzy logic based device for the determination of temperature dependence of EDFAS**  
Goktas H. H. , YÜCEL M.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.50, no.9, pp.2331-2334, 2008 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Machine learning algorithm estimation and comparison of live network values of the inputs which have the most effect on the FEC parameter in DWDM systems**  
YÜCEL M., Osmanca M. S. , Mercimek I. F.  
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, 2022 (Journal Indexed in ESCI)
- II. **FBG Algılama Sistemlerinde Gaussian Uyarılma Yöntemi ile Merkez Dalgaboyunun Belirlenmesi**  
YÜCEL M., nail ferhat ö.  
Politeknik Dergisi, 2021 (Refereed Journals of Other Institutions)
- III. **Düzgün Olmayan Yapılarda Fiber Bragg Izgara Sensör Tasarımı ve Uygulaması**  
Kipriksiz S. E. , YÜCEL M.  
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.24, no.3, pp.843-851, 2021 (Refereed Journals of Other Institutions)
- IV. **Determination of Central Wavelength in FBG Sensing Systems by Gaussian Fitting Technique**  
YÜCEL M., Ozturk N. F.  
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.24, no.1, pp.63-68, 2021 (Journal Indexed in ESCI)
- V. **Tek ve İki Aşamalı Tulyum Katkılı Fiber Yükselteçlerin S- Bandındaki Kazanç ve Gürültü Analizi**  
Yücel M., Ayten D.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.8, no.3, pp.2062-2072, 2020 (Other Refereed National Journals)
- VI. **İki Aşamalı Üç Geçişli EKFY Tasarımı ve EKFY Parametrelerinin Optimizasyonu**  
YÜCEL M., YİĞİT E.  
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.8, no.2, pp.335-344, 2020 (Refereed Journals of Other Institutions)
- VII. **DALGA BOYU BÖLMELİ OPTİK SİSTEMLERDE DOĞRUSAL OLMAYAN İLETİM BOZULMALARININ YAPAY ARI KOLONİSİ ALGORİTMASI İLE OPTİMİZASYONU**  
YOLCU V., YÜCEL M., AYDIN D., HİÇDURMAZ B.  
International Marmara Sciences Congress, pp.535-536, 2019 (Refereed Journals of Other Institutions)
- VIII. **The Analysis of Raman Scattering in the Fiber Optic Cable**  
Boydak S., YÜCEL M.  
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.20, no.2, pp.257-265, 2017 (Journal Indexed in ESCI)
- IX. **Fiber Optik Kabloda Meydana Gelen Raman Saçılmasının Analizi**  
Bodak S., YÜCEL M.  
Politeknik Dergisi, 2017 (Other Refereed National Journals)
- X. **FTTH Ağlarda Performans Analizi**  
Hocaoğlu S., YÜCEL M.  
Bilişim Teknolojileri Dergisi, vol.10, no.1, pp.79-88, 2017 (Other Refereed National Journals)
- XI. **The effects of signal level of the microwave generator on the Brillouin gain spectrum in BOTDA and BOTDR**  
YÜCEL M., yücel m., öztürk n. f. , GÖKTAŞ H. H. , gemci c., ÇELEBİ F. V.  
WASET Int. J. of Electrical, Computer, Energetic, Electronic and Comm. Eng., vol.10, no.1, pp.23-27, 2016 (Refereed Journals of Other Institutions)
- XII. **The Examination of the Performance Factors on NG-DWDM Systems with Roadm Structure**  
Ozduman Y., YÜCEL M.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.29, no.1, pp.1-8, 2016 (Journal Indexed in ESCI)
- XIII. **Haddeleme işleminin silindirik parçalarda uygulaması deney sonuçlarının yapay sinir ağları ile modellenmesi**

BAŞAK H., YÜCEL M.

DUMF Mühendislik Dergisi, vol.6, no.2, pp.111-120, 2015 (Other Refereed National Journals)

XIV. **Kazancı Düzleştirilmiş Çok Geniş Bantlı Hibrid Optik Yükselteç Tasarımı**

YÜCEL M., GÖKTAŞ H. H.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZIUNIVERSITY, vol.22, no.4, pp.863-868, 2007 (Refereed Journals of Other Institutions)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **GEOGRAPHIC INFORMATION SYSTEM APPLICATIONS AND DEVELOPMENTS IN ELECTRICITY DISTRIBUTION NETWORKS**  
Karakaya Y. Y. , YÜCEL M.  
2. BASKENT International Conference on Multidisciplinary Studies, Ankara, Turkey, 24 February 2022
- II. **DIGITAL ASSISTANT DESIGN FOR INFORMATION TECHNOLOGIES SERVICE MANAGEMENT**  
Ülgen E., Yücel M.  
V-INTERNATIONAL EUROPEAN CONFERENCE ON INTERDISCIPLINARY SCIENTIFIC RESEARCH, Barcelona, Spain, 28 January 2022
- III. **AI-ASSISTED COMPARISON OF LIVE NETWORK MEASUREMENTS AND PERFORMANCE METRICS IN DWDM SYSTEMS**  
Osmanaca M. S. , YÜCEL M.  
Latin American Conference on Natural and Applied Sciences, Mexico, 05 November 2021
- IV. **VISIBLE LIGHT COMMUNICATIONS (VLC) AND APPLICATIONS**  
Açıkgöz M., YÜCEL M.  
Congress on Scientific Researches and Recent Trends-8, Philippines, 02 August 2021
- V. **5G AND BEYOND MOBILE COMMUNICATION TECHNOLOGIES**  
Açıkgöz M., YÜCEL M.  
EUROASIA SUMMIT Congress on Scientific Researches and Recent Trends-8, Philippines, 02 August 2021
- VI. **MATLAB Design Platforms and A Sample Application: Control Of Tunable Laser Source**  
ASLAN AKYOL Z., YÜCEL M.  
International Asian Congress on Contemporary Sciences-V, Azerbaijan, 01 June 2021
- VII. **Efficiency Increasing Approaches and Priority Identification System Implementation in ITIL-Based Service Desk Systems**  
Sancaroglu M. S. , YÜCEL M.  
International Asian Congress on Contemporary Sciences-V, Azerbaijan, 01 June 2021
- VIII. **RF Energy Harvesting Design for Active Sensors**  
Ertaş O., YÜCEL M.  
International Asian Congress on Contemporary Sciences-V, Azerbaijan, 01 June 2021
- IX. **Repeater Center Selection Algorithm for APC025**  
Bilgiç B., YÜCEL M.  
International Asian Congress on Contemporary Sciences-V, Azerbaijan, 01 June 2021
- X. **Broadly Flatness Gain Band with Double Pass-Serial Hybrid Optical Amplifier Utilizing Single Pump Unit**  
GÜRKAYNAK İ. A. , AL MASHHADANI T. F. , YÜCEL M., GÖKTAŞ H. H.  
8th International Conference on Electrical and Electronics Engineering, ICEEE 2021, 09 April 2021
- XI. **COMPARISON OF RZ AND NRZ MODULATION FORMATS IN WDM OPTICNETWORKS FOR 40 Gb/s SYSTEMS**  
Ayşe Seda İ., YÜCEL M.  
EUROASIA CONGRESS ON SCIENTIFIC RESEARCHES AND RECENT TRENDS-VII, Baku, Azerbaijan, 6 - 09 December 2020
- XII. **Connector Position Detection Simulation Using OTDR Analysis**

GÜNDÜZ A. E. , GÖKTAŞ H. H. , YÜCEL M.

International Marmara Sciences Congress (IMASCON-Spring 2020), 19 - 20 June 2020

**XIII. Praseodimyum Katkılı Fiber Yükselteçlerde Pompa Lazer Güç ve Giriş Sinyali Güç Analizi**

Hasan C., YÜCEL M.

EUROASIASUMMIT Congress on Scientific Researches and Recent Trends-6, 16 - 18 May 2020

**XIV. S-Band Tulyum Katkılı Fiber Yükseltecin Kazanç ve Gürültü Spektrumlarının İncelenmesi**

Ayten D., YÜCEL M.

EUROASIASUMMIT Congress on Scientific Researches and Recent Trends-6, 16 - 18 May 2020

**XV. Effect of Pump Power and Fiber Length on Amplifier Gain in Ytterbium Doped Fiber Optic Amplifiers**

YÜCEL M.

INTERNATIONALEUROASIA Congress on Scientific Researches and Recent Trends-V, 16 - 19 December 2019

**XVI. Dalga Boyu Bölümlenmeli Optik Sistemlerde Doğrusal Olmayan İletim Bozulmalarının Gelişmiş Yapay Arı Kolonisi Algoritması ile Optimizasyonu**

YOLCU V., YÜCEL M., AYDIN D., HİÇDURMAZ B.

International Marmara Science and Social Congress, Kocaeli, Turkey, 1 - 03 November 2019, vol.3, pp.535-540

**XVII. ERBİYUM KATKILI FİBER YÜKSELTEÇLERDE DÜZ KAZANÇ SPEKTRUMU İÇİN ERBİYUM KATKILI FİBER BOYUNUN OPTİMİZASYONU**

AKÇEŞME Ö., YÜCEL M.

Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi (BAHAR 2019), Kocaeli, Turkey, 26 - 28 April 2019, vol.2, pp.1732-1737

**XVIII. LAZER DİYOTLAR İÇİN DÜŞÜK MALİYETLİ AKIM KONTROL DEVRESİ VETERMOELEKTRİK SOĞUTUCU KONTROL DEVRESİ TASARIMI**

AKÇEŞME Ö., YÜCEL M.

uluslararası Marmara Fen ve Sosyal Bilimler Kongresi (Bahar) 2019, Kocaeli, Turkey, 26 - 28 April 2019, vol.2, pp.1718-1725

**XIX. Tulyum Katkılı Fiber Yükselteçlerde Pompalama Yönü, Fiber Uzunluğu ve İyon Yoğunluğunun Kazanç ve Gürültüye Etkisi**

YÜCEL M., Ayten D.

International Black Sea Coastline Countries Symposium, 2 - 05 May 2019

**XX. Farklı Pompalama Yönleri için Giriş Sinyal Gücünün Tulyum Katkılı Fiber Yükselteç Kazancına Etkisi ve Küçük Sinyal Kazancı Analizi**

YÜCEL M., Ayten D.

International Black Sea Coastline Countries Symposium, 2 - 05 May 2019

**XXI. THE EFFECT OF FIBER LENGTH AND ION DENSITY ON OUTPUT GAIN AND NOISE FIGURE IN PRASEODYMIUM DOPED FIBER AMPLIFIERS**

Hasan C., YÜCEL M.

Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi (Bahar) 2019, 26 - 28 April 2019

**XXII. BULUT TEKNOLOJISİNDE VERİ MADENCİLİĞİ UYGULAMASI**

Burak K., YÜCEL M.

Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi (Bahar) 2019, 26 - 28 April 2019

**XXIII. ERBİYUM KATKILI FİBER YÜKSELTEÇLERDE DÜZ KAZANÇ SPEKTRUMU İÇİN ERBİYUM KATKILI FİBER BOYUNUN OPTİMİZASYONU**

Özcan A., YÜCEL M.

Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi (Bahar) 2019, 26 - 28 April 2019

**XXIV. LAZER DİYOTLAR İÇİN DÜŞÜK MALİYETLİ AKIM KONTROL DEVRESİ VE TERMOELEKTRİK SOĞUTUCU KONTROL DEVRESİ TASARIMI**

Özcan A., YÜCEL M.

Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi (Bahar) 2019, 26 - 28 April 2019

**XXV. Design Of a Multiple Fiber Bragg Sensor Define of Temperature Parameters of the Fiber Bragg Gratings**

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