Assoc. Prof. CEMİLE BARDAK

Personal Information

Office Phone: +90 236 201 2158
Email: cemile.bardak@cbu.edu.tr
Web: https://avesis.mcbu.edu.tr/cemile.bardak

International Researcher IDs
ScholarID: uxXd4RAAAAAJ
ORCID: 0000-0002-3342-1958
Publons / Web Of Science ResearcherID: HLH-5627-2023
ScopusID: 58038584000
Yoksis Researcher ID: 198513

Education

Doctorate, Texas Tech University, United States Of America 2008 - 2013
Postgraduate, Turkey 2003 - 2006
Masters (Non-Thesis), Turkey 2003 - 2005
Undergraduate, Turkey 1999 - 2003

Foreign Languages

English

Dissertations

Doctorate, Microwave and terahertz imaging with time-reversed finitedifference time domain method, Texas Tech University, 2013
Postgraduate, Rezonans ve vektör mezonların tek ve çift polarizasyon gözlenebilirliklerinin etkin Lagranjiyen yaklaşımı ile incelenmesi, 2006

Academic Positions

Manisa Celal Bayar University, 2015 - Present
Lecturer, 2014 - 2015

Academic and Administrative Experience

Manisa Celal Bayar University, 2019 - 2020
Manisa Celal Bayar University, 2019 - 2020
Manisa Celal Bayar University, 2017 - 2018
Manisa Celal Bayar University, 2014 - 2017

Courses

Undergraduate

EEE 4212 Electromagnetic Compatibility, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020
EEM 2115 ELEKTROMANYETİK ALAN TEORİSİ, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2017-2018, 2016-2017, 2015-2016
EEM 4151 İşletmede Mesleki Eğitim, Undergraduate, 2022-2023, 2021-2022
EEM 2126 Elektromagnetik Dalga Teorisi, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2018-2019
EEM 4113 Tasarım Projesi I, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020
MHN 2115 Sosyal Sorumluluk, Undergraduate, 2021-2022
EEM 4122 Tasarım Projesi II, Undergraduate, 2021-2022, 2020-2021, 2019-2020
EEM 4100 İş Yeri Uygulama Eğitimi, Undergraduate, 2020-2021, 2019-2020
EEE 3214 Introduction to Microwave, Undergraduate, 2017-2018
EEM 4107 TASARIM PROJESİ I, Undergraduate, 2017-2018, 2016-2017, 2015-2016
EEE 2103 CIRCUIT THEORY I, Undergraduate, 2016-2017, 2015-2016
EEM 2106 Elektromanyetik Dalga Teorisi, Undergraduate, 2015-2016
EEE 2102 Circuit Theory II, Undergraduate, 2015-2016
EEM 4112 Tasarım Projesi II, Undergraduate, 2015-2016
EEM 2101 DEVRE TEORİSİ I, Undergraduate, 2014-2015
EEM 4212 ELEKTROMANYETİK UYUMLULUK, Undergraduate, 2014-2015
EEM 4102 Tasarım Projesi II, Undergraduate, 2014-2015
EEM 2103 ELEKTROMANYETİK ALAN TEORİSİ, Undergraduate, 2014-2015
EEM 4105 TEKNİK İNGİLİZCE, Undergraduate, 2014-2015
EEM 2102 DEVRE TEORİSİ II, Undergraduate, 2014-2015
EEM 4103 Tasarım Projesi I, Undergraduate, 2014-2015
EEM 4212 ELEKTROMANYETİK UYUMLULUK, Undergraduate, 2013-2014
EEM 1107 ELEKTRİK DEVRE TEMELLERİ, Undergraduate, 2013-2014

Undergraduate Minor

EEM 6217 Elektromanyetik Teori, Undergraduate Minor, 2021-2022
EEM 6214 Mikrodalga Mühendisliği, Undergraduate Minor, 2020-2021

Undergraduate Double Major

EEM 5222 Elektromanyetikte Nümerik Yöntemler, Undergraduate Double Major, 2021-2022, 2020-2021, 2019-2020, 2018-2019

Supervised Theses

BARDAK C., Altıncı Nesil Haberleşme Sistemleri İçin Yüksek İzolasyonlu MIMO Anten Tasarımı, Doctorate, E.ULU(Student), 2025
BARDAK C., Rezistanslı ısıtıcıların kontrol devrelerinde elektromanyetik uyumluluk analizi, Postgraduate, C.KAHRAMAN(Student), 2024
BARDAK C., Geniş bantlı mikroşerit filtre tasarımı için süper-formül ile oluşturulan taban iletkeni kusurlu yapıların etkilerinin incelenmesi, Postgraduate, İ.DAĞLI(Student), 2020
BARDAK C., Mikrodalga bölgesinde süper - formül yaklaşımıyla mikroşerit anten tasarımları, Postgraduate, E.ULU(Student), 2020
BARDAK C., XLPE tipi orta gerilim kablolarında kapasitif etkinin incelenmesi, Postgraduate, S.BİLGİÇ(Student), 2020
BARDAK C., Çift bantlı mikroşerit filtre tasarımı, Postgraduate, N.POLAT(Student), 2019

Articles

I. **Filament-Level Thermal, Structural, Mechanical, and Shape-Memory Characterization of PLA/Fe3O4 Composite Feedstocks for Magnetically Responsive FDM**

Rahman B., BARDAK C., Celebi A., Behvar A., Elahinia M.
Shape Memory and Superelasticity, vol.12, no.3, pp.628-643, 2026 (ESCI, Scopus)

II. **Tulip tree leaf-shaped microstrip MIMO antenna utilizing the superformula**
Ulu E., Bardak C.
JOURNAL OF KING SAUD UNIVERSITY - SCIENCE, vol.38, no.1, pp.1-6, 2026 (SCI-Expanded, Scopus)

III. **Electric field modulation of electronic structure, charge transfer, and nonlinear optical properties of crocetin for dye-sensitized solar cells**
BARDAK F., BARDAK C.
Journal of Molecular Structure, vol.1322, 2025 (SCI-Expanded, Scopus)

IV. **External field intensity and wavelength dependency from IR to deep UV of linear and nonlinear optical properties of 1-butyl-3-methylimidazolium dicyanamide ionic liquid**
BARDAK F., BARDAK C.
Journal of Molecular Liquids, vol.390, 2023 (SCI-Expanded, Scopus)

V. **Three-dimensional modelling and terahertz imaging of malignant cells with convolutional time-reversed FDTD method**
BARDAK C.
Electromagnetics, vol.42, no.2, pp.79-92, 2022 (SCI-Expanded, Scopus)

VI. **Anionic dependency of electronic and nonlinear optical properties of ionic liquids**
BARDAK F., BARDAK C., KARACA Ç., KÖSE E., Bilgili S., ATAÇ A.
Journal of Molecular Liquids, vol.345, 2022 (SCI-Expanded, Scopus)

VII. **Effect of the external electric field on the electronic structure, spectroscopic features, NLO properties, and interionic interactions in ionic liquids: A DFT approach**
BARDAK C., ATAÇ A., BARDAK F.
Journal of Molecular Liquids, vol.273, pp.314-325, 2019 (SCI-Expanded, Scopus)

VIII. **Terahertz imaging with a time-reversed finite difference time-domain method**
BARDAK C., Zhu Y., Bernussi A. A., Saed M.
IEEE Transactions on Terahertz Science and Technology, vol.4, no.2, pp.240-246, 2014 (SCI-Expanded, Scopus)

IX. **Microwave imaging with a time-reversed finite-difference time-domain technique**
BARDAK C., Saed M.
Journal of Electromagnetic Waves and Applications, vol.28, no.12, pp.1455-1467, 2014 (SCI-Expanded, Scopus)

X. **Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at $\sqrt{s}$=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, vol.72, no.11, 2012 (SCI-Expanded, Scopus)

XI. **Performance of CMS muon reconstruction in pp collision events at $\sqrt{s}$ = 7TeV**
Chatrchyan S., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Erö J., Fabjan C., Friedl M., et al.
Journal of Instrumentation, vol.7, no.10, 2012 (SCI-Expanded, Scopus)

XII. **Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s}$ = 7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Erö J., Fabjan C., Friedl M., et al.
European Physical Journal C, vol.72, no.9, pp.1-24, 2012 (SCI-Expanded, Scopus)

XIII. **Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{NN}}$=2.76 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, vol.72, no.5, 2012 (SCI-Expanded, Scopus)

XIV. **Search for large extra dimensions in dimuon and dielectron events in pp collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, vol.711, no.1, pp.15-34, 2012 (SCI-Expanded, Scopus)

XV. **Measurement of isolated photon production in pp and PbPb collisions at $\sqrt{s_{NN}}$=2.76 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, vol.710, no.2, pp.256-277, 2012 (SCI-Expanded, Scopus)

XVI. **Study of high-p_T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{NN}}$=2.76 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

EUROPEAN PHYSICAL JOURNAL C, vol.72, no.3, 2012 (SCI-Expanded, Scopus)

XVII. **Search for the standard model Higgs boson decaying to W^+W^- in the fully leptonic final state in pp collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, vol.710, no.1, pp.91-113, 2012 (SCI-Expanded, Scopus)

XVIII. **Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, vol.709, no.1-2, pp.28-49, 2012 (SCI-Expanded, Scopus)

XIX. **Search for the Standard Model Higgs Boson in the Decay Channel $H \to ZZ \to 4l$ in pp Collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, vol.108, no.11, 2012 (SCI-Expanded, Scopus)

XX. **Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, vol.108, no.11, 2012 (SCI-Expanded, Scopus)

XXI. **Measurement of the rapidity and transverse momentum distributions of Z bosons in pp collisions at $\sqrt{(s)}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW D, vol.85, no.3, 2012 (SCI-Expanded, Scopus)

XXII. **J/ψ and ψ(2S) production in pp collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2012, no.2, 2012 (SCI-Expanded, Scopus)

XXIII. **Jet production rates in association with W and Z bosons in pp collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2012, no.1, 2012 (SCI-Expanded, Scopus)

XXIV. **Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2012, no.1, 2012 (SCI-Expanded, Scopus)

XXV. **Search for microscopic black holes in pp collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2012, no.4, 2012 (SCI-Expanded, Scopus)

XXVI. **Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

EUROPEAN PHYSICAL JOURNAL C, vol.72, no.1, 2012 (SCI-Expanded, Scopus)

XXVII. **Inclusive b-jet production in pp collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2012, no.4, 2012 (SCI-Expanded, Scopus)

XXVIII. **Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at √s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2012, no.6, 2012 (SCI-Expanded, Scopus)

XXIX. **Search for quark compositeness in dijet angular distributions from pp collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2012, no.5, 2012 (SCI-Expanded, Scopus)

XXX. **Performance of τ-lepton reconstruction and identification in CMS**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF INSTRUMENTATION, vol.7, 2012 (SCI-Expanded, Scopus)

XXXI. **Search for a Higgs boson in the decay channel H -> ZZ((*)) -> q(q)over-barl(-)l(+) in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2012, no.4, 2012 (SCI-Expanded, Scopus)

XXXII. **Measurement of the Z/γ* plus b-jet cross section in pp collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2012, no.6, 2012 (SCI-Expanded, Scopus)

XXXIII. **Suppression of non-prompt J/ψ, prompt J/ψ, and ϒ(1S) in PbPb collisions at $\sqrt{s_{NN}}$=2.76 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2012, no.5, 2012 (SCI-Expanded, Scopus)

XXXIV. **Inclusive search for squarks and gluinos in *pp* collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW D, vol.85, no.1, 2012 (SCI-Expanded, Scopus)

XXXV. **Search for a Vectorlike Quark with Charge 2/3 in *t* plus *Z* Events from *pp* Collisions at $\sqrt{s}$ 7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, vol.107, no.27, 2011 (SCI-Expanded, Scopus)

XXXVI. **Measurement of the weak mixing angle with the Drell-Yan process in proton-proton collisions at the LHC**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW D, vol.84, no.11, 2011 (SCI-Expanded, Scopus)

XXXVII. **Measurement of the underlying event activity at the LHC with $\sqrt{s}$=7 TeV and comparison with $\sqrt{s}$=0.9 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.9, 2011 (SCI-Expanded, Scopus)

XXXVIII. **Search for supersymmetry in pp collisions at $\sqrt{s}$=7 TeV in events with a single lepton, jets, and missing transverse momentum**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.8, 2011 (SCI-Expanded, Scopus)

XXXIX. **Measurement of the inclusive W and Z production cross sections in pp collisions at $\sqrt{s}$ = 7 TeV with the CMS experiment**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.10, 2011 (SCI-Expanded, Scopus)

XL. **Measurement of the $t(\bar{t})$over-bar production cross section in pp collisions at 7 TeV in lepton plus jets events using b-quark jet identification**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW D, vol.84, no.9, 2011 (SCI-Expanded, Scopus)

XLI. **Search for New Physics with a Monojet and Missing Transverse Energy in pp Collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, vol.107, no.20, 2011 (SCI-Expanded, Scopus)

XLII. **Search for $B_s^0 \to \mu^+\mu^-$ and $B^0 \to \mu^+\mu^-$ Decays in pp Collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, vol.107, no.19, 2011 (SCI-Expanded, Scopus)

XLIII. **Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, vol.107, no.22, 2011 (SCI-Expanded, Scopus)

XLIV. **A search for excited leptons in pp collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Fried M., et al.

PHYSICS LETTERS B, vol.704, no.3, pp.143-162, 2011 (SCI-Expanded, Scopus)

XLV. **Search for physics beyond the standard model using multilepton signatures in pp collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, vol.704, no.5, pp.411-433, 2011 (SCI-Expanded, Scopus)

XLVI. **Search for resonances in the dijet mass spectrum from 7 TeV pp collisions at CMS**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, vol.704, no.3, pp.123-142, 2011 (SCI-Expanded, Scopus)

XLVII. **Measurement of the Inclusive Jet Cross Section in pp Collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, vol.107, no.13, 2011 (SCI-Expanded, Scopus)

XLVIII. **Measurement of the differential cross section for isolated prompt photon production in pp collisions at 7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, vol.84, no.5, 2011 (SCI-Expanded, Scopus)

XLIX. **Measurement of the t(t)over-bar production cross section in pp collisions at $\sqrt{s}$=7 TeV using the kinematic properties of events with leptons and jets**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, vol.71, no.9, 2011 (SCI-Expanded, Scopus)

L. **Missing transverse energy performance of the CMS detector**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF INSTRUMENTATION, vol.6, 2011 (SCI-Expanded, Scopus)

LI. **Search for first generation scalar leptoquarks in the evjj channel in pp collisions at $\sqrt{s}$=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, vol.703, no.3, pp.246-266, 2011 (SCI-Expanded, Scopus)

LII. **Measurement of the B_s^0 Production Cross Section with $B_s^0 \to J/\psi\varphi$ Decays in pp Collisions at $\sqrt{s}$=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, vol.84, no.5, 2011 (SCI-Expanded, Scopus)

LIII. **Measurement of the t-Channel Single Top Quark Production Cross Section in pp Collisions at $\sqrt{s}$=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, vol.107, no.9, 2011 (SCI-Expanded, Scopus)

LIV. **Search for Three-Jet Resonances in pp Collisions at $\sqrt{s}$=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, vol.107, no.10, 2011 (SCI-Expanded, Scopus)

LV. **Measurement of the ratio of the 3-jet to 2-jet cross sections in pp collisions at $\sqrt{s}$=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, vol.702, no.5, pp.336-354, 2011 (SCI-Expanded, Scopus)

LVI. **Measurement of the Polarization of W Bosons with Large Transverse Momenta in W plus jets Events at the LHC**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, vol.107, no.2, 2011 (SCI-Expanded, Scopus)

LVII. **Measurement of Wγ and Zγ production in pp collisions at √s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, vol.701, no.5, pp.535-555, 2011 (SCI-Expanded, Scopus)

LVIII. **Indications of Suppression of Excited ϒ States in Pb-Pb Collisions at $\sqrt{s}$NN=2.76 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, vol.107, no.5, 2011 (SCI-Expanded, Scopus)

LIX. **Upsilon production cross section in pp collisions at $\sqrt{s}$=7 TeV**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW D, vol.83, no.11, 2011 (SCI-Expanded, Scopus)

LX. **Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs in pp Collisions at $\sqrt{s}$=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, vol.106, no.23, 2011 (SCI-Expanded, Scopus)

LXI. **Measurement of the B^0 Production Cross Section in pp Collisions at $\sqrt{s}$=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, vol.106, no.25, 2011 (SCI-Expanded, Scopus)

LXII. **Measurement of the differential dijet production cross section in proton-proton collisions at $\sqrt{s}$=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, vol.700, no.3-4, pp.187-206, 2011 (SCI-Expanded, Scopus)

LXIII. **First measurement of hadronic event shapes in pp collisions at $\sqrt{s}$=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICS LETTERS B, vol.699, no.1-2, pp.48-67, 2011 (SCI-Expanded, Scopus)

LXIV. **Search for Pair Production of Second-Generation Scalar Leptoquarks in pp Collisions at $\sqrt{s}$=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW LETTERS, vol.106, no.20, 2011 (SCI-Expanded, Scopus)

LXV. **Search for Pair Production of First-Generation Scalar Leptoquarks in pp Collisions at $\sqrt{s}$=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW LETTERS, vol.106, no.20, 2011 (SCI-Expanded, Scopus)

LXVI. **Search for Supersymmetry in pp Collisions at $\sqrt{s}$=7 TeV in Events with Two Photons and Missing Transverse Energy**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, vol.106, no.21, 2011 (SCI-Expanded, Scopus)

LXVII. **Measurement of the B^+ Production Cross Section in pp Collisions at $\sqrt{s}$=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW LETTERS, vol.106, no.11, 2011 (SCI-Expanded, Scopus)

LXVIII. **Search for microscopic black hole signatures at the Large Hadron Collider**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICS LETTERS B, vol.697, no.5, pp.434-453, 2011 (SCI-Expanded, Scopus)

LXIX. **Dijet Azimuthal Decorrelations in pp Collisions at $\sqrt{s}$=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW LETTERS, vol.106, no.12, 2011 (SCI-Expanded, Scopus)

LXX. **Search for a heavy gauge boson W′ in the final state with an electron and large missing transverse energy in pp collisions at $\sqrt{s}$=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.

PHYSICS LETTERS B, vol.698, no.1, pp.21-39, 2011 (SCI-Expanded, Scopus)

LXXI. **Prompt and non-prompt J/ψ production in pp collisions at $\sqrt{s}$=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
EUROPEAN PHYSICAL JOURNAL C, vol.71, no.3, 2011 (SCI-Expanded, Scopus)

LXXII. **Measurement of the Isolated Prompt Photon Production Cross Section in *pp* Collisions at $\sqrt{s}$=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW LETTERS, vol.106, no.8, 2011 (SCI-Expanded, Scopus)

LXXIII. **Charged particle multiplicities in pp interactions at $\sqrt{s}$=0:9, 2:36, and 7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.1, 2011 (SCI-Expanded, Scopus)

LXXIV. **Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at $\sqrt{s}$=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.6, 2011 (SCI-Expanded, Scopus)

LXXV. **Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s}$=7TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.4, 2011 (SCI-Expanded, Scopus)

LXXVI. **Long-range and short-range dihadron angular correlations in central PbPb collisions at $\sqrt{s_{NN}}$=2.76 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.7, 2011 (SCI-Expanded, Scopus)

LXXVII. **Search for Stopped Gluinos in *pp* Collisions at $\sqrt{s}$=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW LETTERS, vol.106, no.1, 2011 (SCI-Expanded, Scopus)

LXXVIII. **Search for heavy stable charged particles in pp collisions at $\sqrt{s}$=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.3, 2011 (SCI-Expanded, Scopus)

LXXIX. **Search for same-sign top-quark pair production at $\sqrt{s}$=7 TeV and limits on flavour changing neutral currents in the top sector**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.8, 2011 (SCI-Expanded, Scopus)

LXXX. **Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.6, 2011 (SCI-Expanded, Scopus)

LXXXI. **Search for supersymmetry in events with b jets and missing transverse momentum at the LHC**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.7, 2011 (SCI-Expanded, Scopus)

LXXXII. **Search for new physics with jets and missing transverse momentum in pp collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.8, 2011 (SCI-Expanded, Scopus)

LXXXIII. **Measurement of the t(t)over-bar production cross section and the top quark mass in the dilepton channel in pp collisions at $\sqrt{s}$=7 Tev**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.7, 2011 (SCI-Expanded, Scopus)

LXXXIV. **Search for large extra dimensions in the diphoton final state at the Large Hadron Collider**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.5, 2011 (SCI-Expanded, Scopus)

LXXXV. **Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s}$=7 TeV**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.1, 2011 (SCI-Expanded, Scopus)

LXXXVI. **Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s_{NN}}$=2.76 TeV**

Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., Ghete V. M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.8, 2011 (SCI-Expanded, Scopus)

LXXXVII. **Search for light resonances decaying into pairs of muons as a signal of new physics**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.7, 2011 (SCI-Expanded, Scopus)

LXXXVIII. **Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s}$=7 TeV**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.3, 2011 (SCI-Expanded, Scopus)

LXXXIX. **First measurement of the cross section for top-quark pair production in proton-proton collisions at $\sqrt{s}$=7 TeV**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.

PHYSICS LETTERS B, vol.695, no.5, pp.424-443, 2011 (SCI-Expanded, Scopus)

XC. **Charged particle transverse momentum spectra in pp collisions at $\sqrt{s}$=0.9 and 7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.8, 2011 (SCI-Expanded, Scopus)

XCI. **Measurement of Bose-Einstein correlations in pp collisions at $\sqrt{s}$=0.9 and 7 TeV**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.5, 2011 (SCI-Expanded, Scopus)

XCII. **Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.8, 2011 (SCI-Expanded, Scopus)

XCIII. **Measurement of the Drell-Yan cross section in pp collisions at $\sqrt{s}$=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.10, 2011 (SCI-Expanded, Scopus)

XCIV. **Search for resonances in the dilepton mass distribution in pp collisions at $\sqrt{s}$=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.5, 2011 (SCI-Expanded, Scopus)

XCV. **Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s}$=0.9 and 7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, vol.2011, no.11, 2011 (SCI-Expanded, Scopus)

XCVI. **CMS tracking performance results from early LHC operation**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
EUROPEAN PHYSICAL JOURNAL C, vol.70, no.4, pp.1165-1192, 2010 (SCI-Expanded, Scopus)

XCVII. **First measurement of the underlying event activity at the LHC with $\sqrt{s}$=0.9 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
EUROPEAN PHYSICAL JOURNAL C, vol.70, no.3, pp.555-572, 2010 (SCI-Expanded, Scopus)

XCVIII. **Search for Quark Compositeness with the Dijet Centrality Ratio in *pp* Collisions at $\sqrt{s}$=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW LETTERS, vol.105, no.26, 2010 (SCI-Expanded, Scopus)

XCIX. **Search for Dijet Resonances in 7 TeV *pp* Collisions at CMS**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW LETTERS, vol.105, no.21, 2010 (SCI-Expanded, Scopus)

C. **Measurement of the charge ratio of atmospheric muons with the CMS detector**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICS LETTERS B, vol.692, no.2, pp.83-104, 2010 (SCI-Expanded, Scopus)

CI. **First Measurement of Bose-Einstein Correlations in Proton-Proton Collisions at $\sqrt{s}$=0.9 and 2.36 TeV at the LHC**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW LETTERS, vol.105, no.3, 2010 (SCI-Expanded, Scopus)

CII. **Transverse-Momentum and Pseudorapidity Distributions of Charged Hadrons in *pp* Collisions at $\sqrt{s}$=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW LETTERS, vol.105, no.2, 2010 (SCI-Expanded, Scopus)

CIII. **Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, vol.2010, no.9, 2010 (SCI-Expanded, Scopus)

Papers Presented at Peer-Reviewed Scientific Conferences

I. **ELECTRONIC STRUCTURE, POLARIZATION AND REACTIVITY OF ASPIRIN UNDER EXTERNAL ELECTRIC FIELD: TOWARDS A BETTER UNDERSTANDING OF ITS METABOLIZATIN**
BARDAK F., BARDAK C.
TURKISH PHYSICAL SOCIETY 40th INTERNATIONAL PHYSICS CONGRESS, Turkey, 02 September 2024, (Summary Text)

II. **Electronic Structure, Polarization and Reactivity of Aspirin Under External Electric Field: Towards A Better Understanding of its Metabolization**
BARDAK F., BARDAK C.
TURKISH PHYSICAL SOCIETY 40th INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 02 September 2024, (Summary Text)

III. **Investigation of Capacitive Effect on XLPE Type Medium Voltage Cables**
Bilgiç S., BARDAK C.
9th International Conference on Advanced Technologies (ICAT'20), İstanbul, Turkey, 10 - 12 August 2020, pp.68, (Summary Text)

IV. **Microstrip Patch Antenna Design Using the Superformula**
ULU E., BARDAK C.
2nd International Conference on Electrical, Communication and Computer Engineering, ICECCE 2020, İstanbul, Turkey, 12 - 13 June 2020, (Full Text)

V. **The Terahertz Imaging of Malignant Cells with Convolutional Time Reversed FDTD Method**
BARDAK C.
MANİSA CELAL BAYAR UNIVERSITYII. INTERNATIONAL UNIVERSITY INDUSTRY COOPERATION, RD AND INNOVATION CONGRESS, Manisa, Turkey, 14 - 15 November 2018, (Summary Text)

VI. **Elektrik alan etkisi altında iyonik sıvıların elektronik yapı ve optiközelliklerinin incelenmesi: HmimCl'deki durum**
BARDAK C., BARDAK F.
Adım Fizik Günleri VII, Turkey, 23 - 25 May 2018, (Summary Text)

VII. **Imaging multiple objects with time-reversed FDTD method at microwave range**
BARDAK C., Saed M., TAŞKIN S.
Computational Electromagnetics International Workshop, CEM 2015, İzmir, Turkey, 1 - 04 July 2015, pp.68-69, (Full Text)

VIII. **Mikrodalga Bölgesinde Zaman Domeni Sonlu Farklar Metodu ve Zaman Çevrimi Algoritması ile Görünteleme**
BARDAK C., SAED M.
URSI-TÜRKİYE'2014 VII. Bilimsel Kongresi, 28-30 Ağustos 2014, ELAZIĞ, Elazığ, Turkey, 28 - 30 August 2014, (Full Text)

IX. **Through the wall microwave imaging using FDTD time reversal algorithm**
BARDAK C., Saed M.
2013 IEEE Antennas and Propagation Society International Symposium, APSURSI 2013, Orlando, FL, United States Of America, 7 - 13 July 2013, pp.528-529, (Full Text)

Funded Projects

BARDAK C., BARDAK F., SELÇUK G., VATAN CAN S., KARACA D., TUBITAK Project, TÜBİTAK 4007 Payas Deprem Yaralarını Bilimle Sarıyor, 2023 - 2023

VATAN CAN S., SELÇUK G., BARDAK C., BARDAK F., KARACA D., TUBITAK Project, Payas Deprem Yaralarını Bilimle Sarıyor, 2023 - 2023

BARDAK C., ULU E., Project Supported by Higher Education Institutions, Süper-Formül Yaklaşımıyla Mikrodalga Bölgesinde Genişbantlı Mikroşerit Anten Tasarımı, 2022 - 2024

BARDAK C., CMS Collaboration - CERN, 2009 - 2010

Proje 104T162 Nükleer Seviye yoğunluğu, 2006 - 2006

Peer Reviews in Scientific Publications

JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, Other journals, January 2017

Other journals, January 2016
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, Other journals, January 2016
Other journals, January 2015
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, Other journals, January 2015

Metrics

Publication: 112
Citation (WoS): 8861
Citation (Scopus): 9606
H-Index (WoS): 53
H-Index (Scopus): 57

Non Academic Experience

MİLLİ EĞİTİM BAKANLIĞI, MEMUR