

## Assoc. Prof. JALE YILMAZKAYA SÜNGÜ

### Personal Information

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### International Researcher IDs

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Yoksis Researcher ID: 24462

### Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Turkey 1995 - 2004

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, Turkey 1994 - 1995

Postgraduate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, Turkey 1991 - 1994

Undergraduate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, Turkey 1987 - 1991

### Foreign Languages

English, C1 Advanced

### Research Areas

Physics, Basic Particles and Areas, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Kocaeli University, Fen Edebiyat Fakültesi, Fizik, 2014 - Continues

Assistant Professor, Kocaeli University, Fen Edebiyat Fakültesi, Fizik, 2004 - 2014

Research Assistant, Kocaeli University, Fen Edebiyat Fakültesi, Fizik, 1993 - 2004

### Academic and Administrative Experience

Erasmus komisyonu üyesi, Kocaeli University, Fen Edebiyat Fakültesi, Fizik, 2017 - Continues

Mevlana Exchange Program Coordinator, Kocaeli University, Fen Edebiyat Fakültesi, Fizik, 2014 - Continues

Farabi Coordinator, Kocaeli University, Fen Edebiyat Fakültesi, Fizik, 2012 - Continues

### Courses

Kuantum Alan Teorisi I, Postgraduate, 2020 - 2021

Fizik I, Undergraduate, 2021 - 2022

Kuantum Alan Teorisi II, Doctorate, 2021 - 2022

Fizik II, Undergraduate, 2020 - 2021

Hadron Fiziği, Doctorate, 2020 - 2021  
İleri İstatistik Fizik, Postgraduate, 2018 - 2019  
Parçacık Fiziğinde Sayısal Yöntemler, Postgraduate, 2017 - 2018  
Real Gazların ve Sıvıların Termodinamiği, Undergraduate, 2017 - 2018  
Elektrik ve Manyetizma, Undergraduate, 2015 - 2016  
İleri Kuantum Mekaniği, Doctorate, 2014 - 2015  
Kuantum Renk Dinamiği, Postgraduate, 2015 - 2016  
Elektrodinamik, Postgraduate, 2014 - 2015  
Astrofiziğe Giriş (ÜSD), Undergraduate, 2014 - 2015  
Fizik Tarihi (ÜSD), Undergraduate, 2013 - 2014  
Titreşim ve Dalgalar Lab, Undergraduate, 2011 - 2012  
İleri Parçacık Fiziği, Postgraduate, 2012 - 2013  
Kuantum Elektrodinamiği I, Postgraduate, 2011 - 2012  
Genel Fizik Laboratuvarı I, Undergraduate, 2012 - 2013  
Mesleki İngilizce II, Undergraduate, 2010 - 2011  
Temel Parçacıklar, Undergraduate, 2010 - 2011  
Mesleki İngilizce VI , Undergraduate, 2008 - 2009  
Mesleki İngilizce III, Undergraduate, 2009 - 2010  
Genel Fizik Laboratuvarı III , Undergraduate, 2007 - 2008  
Mesleki İngilizce I , Undergraduate, 2006 - 2007  
Mesleki İngilizce IV, Undergraduate, 2005 - 2006  
Teknolojinin Bilimsel İlkeleri-I , Associate Degree, 2005 - 2006

## Advising Theses

Yılmazkaya Süngü J., Egzotik parçacıklar, Postgraduate, A.Marul(Student), Continues  
Yılmazkaya Süngü J., Işık-koni Ayarında Termal Gluon Öz-enerjinin Kızılötesi Davranışı, Postgraduate, Ö.Faruk(Student), Continues  
Yılmazkaya Süngü J., Y tipi Tetrakuark Yapıların Spektroskopik Özellikleri, Doctorate, H.Özkan(Student), Continues  
Yılmazkaya Süngü J., Yavuz C., Ağır vektör tetrakuarkların kütle ve bozunum sabitlerinin incelenmesi, Postgraduate, C.yavuz(Student), Continues  
Yılmazkaya Süngü J., Ağır-Hafif Molekül Yapıların Hadronik Özellikleri, Doctorate, S.Damen(Student), Continues  
Yılmazkaya Süngü J., VEKTÖR MEZONLARIN SPEKTROSKOPİK ÖZELLİKLERİNİN KR D TOPLAM KURALLARI İLE İNCELENMESİ, Postgraduate, M.Temizler(Student), 2023  
Yılmazkaya Süngü J., Termal KR D toplam kuralları yöntemi ile aksel tensör mezonların incelenmesi, Postgraduate, E.SERTBAKAN(Student), 2021  
Yılmazkaya Süngü J., KR D toplam kuralları yöntemi ile  $\chi_{c1}$  (1P) VE  $\chi_{c1}$  (2P) mezonların kütle ve bozunum sabitlerinin hesaplanması, Postgraduate, A.ÇİFTLİ(Student), 2019  
Yılmazkaya Süngü J., B ve D mezon sistemlerinin hadronik parametrelerinin incelenmesi, Postgraduate, İ.SANDIKÇI(Student), 2018  
Yılmazkaya Süngü J., KR D toplam kuralları yöntemi ile tensör mezonların incelenmesi, Doctorate, N.YİNELEK(Student), 2016  
Yılmazkaya Süngü J., Skaler mezonların kütle ve bozunma sabitlerinin hesaplanması ve  $D_s^*DK_1$  ( $B_s^*BK_1$ ) köşelerinin analizi, Postgraduate, N.YİNELEK(Student), 2011

## Jury Memberships

Post Graduate, Post Graduate, Kocaeli Üniversitesi, June, 2022  
Doctorate, Doctorate, Bursa Uludağ Üniversitesi, September, 2021

Doctoral Examination, Doctoral Examination, Bursa Uludağ Üniversitesi, February, 2019  
Post Graduate, Post Graduate, Sakarya Üniversitesi, May, 2017  
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, June, 2016  
Post Graduate, Post Graduate, Kocaeli Üniversitesi, January, 2010

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

- I. **Nuclear medium effects on the properties of  $\Lambda(1405)$**   
Yilmazkaya Süngü J., Er N.  
JOURNAL OF PHYSICS G: NUCLEAR AND PARTICLE PHYSICS, vol.51, no.8, pp.1-16, 2024 (SCI-Expanded)
- II. **Possible Molecular Explanation for the Resonance  $\Upsilon(4500)$**   
Güngör E., Sundu Pamuk H., Yilmazkaya Süngü J., Veli E.  
FEW-BODY SYSTEMS, no.3, pp.1-12, 2023 (SCI-Expanded)
- III. **Dissociation of Pseudotensor Mesons  $\pi(2)(1670)$ ,  $\eta(2)(1645)$  and  $\eta(2)(1870)$  through Critical Temperature**  
Turkan A., YILMAZKAYA SÜNGÜ J., Gungor E., Reisoglu H., VELİ E.  
INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, vol.61, no.9, 2022 (SCI-Expanded)
- IV. **Impact of a thermal medium on newly observed  $Z_{cs}(3985)$  resonance and its b-partner**  
Süngü J., Türkan A., Sundu H., Veliev E. V.  
EUROPEAN PHYSICAL JOURNAL C, vol.82, pp.1-11, 2022 (SCI-Expanded)
- V. **MODIFICATIONS ON THE PROPERTIES OF  $D^*(s_0)(2317)$  AS FOUR-QUARK STATE IN THERMAL MEDIUM**  
Turkan A., Sungu J., Veliev E.  
ACTA PHYSICA POLONICA B, vol.53, no.1, 2022 (SCI-Expanded)
- VI. **Axial-tensor Meson family at  $T \neq 0$**   
Süngü J., Türkan A., Sertbakan E., Veliev E.  
European Physical Journal C, vol.80, no.10, 2020 (SCI-Expanded)
- VII. **IN THE PURSUIT OF  $X(5568)$  AND ITS CHARMED PARTNER**  
Sungu J., Turkan A., Veliev E.  
ACTA PHYSICA POLONICA B, vol.50, no.9, pp.1501-1521, 2019 (SCI-Expanded)
- VIII. **Light D-wave axial-tensor  $K_2(1820)$  meson at finite temperature**  
Turkan A., Dag H., Sungu J., Veliev E.  
EPL, vol.126, no.5, 2019 (SCI-Expanded)
- IX. **On the mass and decay constant of the P-wave ground and radially excited  $h(c)$  and  $h(b)$  axial-vector mesons**  
Azizi K., Sungu J.  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.46, no.3, 2019 (SCI-Expanded)
- X. **Probing axial-vector charmonia  $\chi_{c1}(1P)$  and  $\chi_{c1}(2P)$**   
Yilmazkaya Süngü J., Jumasahatov A.  
JOURNAL OF PHYSICS G: NUCLEAR AND PARTICLE PHYSICS, vol.46, 2019 (SCI-Expanded)
- XI. **Hidden-Beauty Broad Resonance  $\Upsilon_b(10890)$  in Thermal QCD**  
Sungu J., Turkan A., Dag H., Veliev E.  
ADVANCES IN HIGH ENERGY PHYSICS, vol.2019, 2019 (SCI-Expanded)
- XII. **Semileptonic  $\Lambda_b \rightarrow \Lambda_c \ell \bar{\nu}$  transition in full QCD**  
AZIZI K., Sungu J.  
PHYSICAL REVIEW D, vol.97, no.7, 2018 (SCI-Expanded)
- XIII. **Transition Form Factors of  $\chi_{c1}(1P) \rightarrow B_c \ell \bar{\nu}$  in QCD**  
Azizi K., Sundu H., Sungu J., YINELEK N.  
ADVANCES IN HIGH ENERGY PHYSICS, 2016 (SCI-Expanded)
- XIV. **Semileptonic Transition of Tensor  $c_2 1P$  to  $D_s D_s$  Meson**

- YILMAZKAYA SÜNGÜ J., SUNDU PAMUK H., AZIZI K.  
Advances In High Energy Physics, 2014 (SCI-Expanded)
- XV. **Properties of  $D_s2$  2573 charmed strange tensor meson**  
AZİZİ K., SUNDU PAMUK H., SÜNGÜ J., YİNELEK N.  
Physical Review D, vol.88, 2013 (SCI-Expanded)
- XVI. **Semileptonic transition of P-wave bottomonium  $\chi(b0)(1P)$  to B-c meson**  
Azizi K., Sundu H., Sungu J.  
EUROPEAN PHYSICAL JOURNAL A, vol.48, no.8, 2012 (SCI-Expanded)
- XVII. **Strong coupling constants of bottom and charmed mesons with scalar, pseudoscalar, and axial vector kaons**  
Sundu H., Sungu J., ŞAHİN S., YİNELEK N., Azizi K.  
Physical Review D - Particles, Fields, Gravitation and Cosmology, vol.83, no.11, 2011 (SCI-Expanded)
- XVIII. **The calculation of quark-gluon plasma thermodynamic potential in the lightcone gauge**  
Veliev E., Yilmazkaya J.  
Journal of Physics G: Nuclear and Particle Physics, vol.30, no.6, pp.723-729, 2004 (SCI-Expanded)
- XIX. **Quark-gluon plasma signals**  
Veliev E., Yilmazkaya J.  
EUROPEAN JOURNAL OF PHYSICS, vol.24, no.4, pp.341-349, 2003 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Melting of  $P_2$  Meson at extreme temperatures**  
Sertbakan E., YILMAZKAYA SÜNGÜ J., Türkan A., VELİ E.  
AIP Conference Proceedings, vol.2178, no.1, pp.30048, 2019 (Peer-Reviewed Journal)
- II. **Egzotik Hadronlar**  
YILMAZKAYA SÜNGÜ J., VELİ E.  
Marmara Fen Bilimleri Dergisi, pp.77, 2018 (Peer-Reviewed Journal)
- III. **Bütün Suç Işık Hızında**  
YILMAZKAYA SÜNGÜ J.  
Bilim ve Teknik, 2016 (Peer-Reviewed Journal)
- IV. **Süper Yoğun Madde Kuark Gluon Plazma**  
VELİ E., YILMAZKAYA SÜNGÜ J.  
Bilim ve Teknoloji Özel Sayısı - III, 2016 (Peer-Reviewed Journal)
- V. **Current Status and Recent Progress in B and D Mesons**  
YILMAZKAYA SÜNGÜ J.  
International Journal of Science and Technology, vol.6, 2016 (Peer-Reviewed Journal)
- VI. **CERN de Dört Yeni X Parçacığı Bulundu**  
YILMAZKAYA SÜNGÜ J.  
Bilim ve Teknik, 2016 (Peer-Reviewed Journal)
- VII. **Fizikçiler Doğanın Beşinci Kuvvetini Keşfetti mi**  
YILMAZKAYA SÜNGÜ J.  
Bilim ve Teknik, 2016 (Peer-Reviewed Journal)
- VIII. **Fizikçiler LHC Verilerinde Gözden Kaybolan Parçacığın Yasını Tutuyor**  
YILMAZKAYA SÜNGÜ J.  
Bilim ve Teknik, 2016 (Peer-Reviewed Journal)
- IX. **Süper Yoğun Madde Kuark Gluon Plazma**  
VELİ E., YILMAZKAYA SÜNGÜ J.  
Yeni Türkiye Bilim Ve Teknoloji, vol.90, no.2, pp.51-70, 2016 (Peer-Reviewed Journal)
- X. **Maddenin Yeni Hali Kuark Gluon Plazma**  
VELİ E., YILMAZKAYA SÜNGÜ J.

## Books & Book Chapters

- I. **Bölüm 5: Bağlı Durumlar, Bölüm 7: Kuantum Elektrodinamiği, Bölüm 8: Elektrodinamik ve Kuarkların Renk dinamiği**  
YILMAZKAYA SÜNGÜ J., ŞİRVANLI B. B., DEMİR N., KIRCA Z.  
in: Temel Parçacıklara Giriş, Prof. Dr. Gülsen Önengüt, Editor, Nobel Yayınevi, (Wiley-VCH Verlag GmbH & Co. KGaA), Ankara, pp.12-421, 2015

## Refereed Congress / Symposium Publications in Proceedings

- I. **THE EXTENSION OF TEMPORAL GAUGE AND POLE TREATMENTS IN GREEN FUNCTIONS**  
Yılmazkaya Süngü J.  
5. ISPEC ULUSLARARASI MODERN BİLİMSEL ARAŞTIRMALAR KONGRESİ , Kayseri, Turkey, 21 - 22 April 2024, pp.1-6
- II. **RESPONSE OF ALL-CHARM RESONANCE X(6900) TO HOT MEDIUM**  
Demircan Ö. E., Sundu Pamuk H., Yılmazkaya Süngü J., Veli E.  
5. ISPEC ULUSLARARASI MODERN BİLİMSEL ARAŞTIRMALAR KONGRESİ , Kayseri, Turkey, 21 - 22 April 2024, pp.1-8
- III. **INVESTIGATION OF DEBYE SCREENING IN QUARK-GLUON PLASMA IN MODIFIED NON-COVARIANT GAUGES**  
Yılmazkaya Süngü J.  
9. ULUSLARARASI ANKARA BİLİMSEL ARAŞTIRMALAR KONGRESİ, Kocaeli, Turkey, 26 - 27 December 2023, pp.1-6
- IV. **CAN THE  $\Upsilon(4008)$  BE THE LOWEST-LYING VECTOR TETRAQUARK?**  
Yılmazkaya Süngü J.  
Başkent 5. Uluslararası Multidisipliner Bilimsel Çalışmalar Kongresi, Kocaeli, Turkey, 26 - 27 December 2023, pp.1-6
- V. **EVALUATION OF QCD SUM RULES FOR CONVENTIONAL VECTOR STRANGE STATES  $1^3 S(1)$ ,  $2^3 S(1)$  AND  $3^3 S_1$**   
Temizer M., Sundu Pamuk H., Yılmazkaya Süngü J., Veli E.  
4. ULUSLARARASI KAPADOKYA BİLİMSEL ARAŞTIRMALAR KONGRESİ, Nevşehir, Turkey, 16 - 17 April 2023, pp.1-10
- VI. **THE INVESTIGATION OF GHOST FIELDS IN THE GENERALIZED GAUGES**  
Mutlu U., Yılmazkaya Süngü J., Türkan A., Veli E.  
IMASCON 2022 AUTUMN, Kocaeli, Turkey, 9 - 10 December 2022, pp.1-8
- VII. **OBTAINING GLUON PROPAGATOR IN A NEW GENERALIZED GAUGE**  
Yılmazkaya Süngü J., Türkan A., Veli E.  
IMASCON 2022 AUTUMN 9-10 12/2022 FEN BİLİMLERİ KONGRESİ/SCIENCES CONGRESS , Kocaeli, Turkey, 9 - 10 December 2022, pp.1-8
- VIII. **ANALYSIS OF THE  $\Upsilon(4500)$  AS THE VECTOR MOLECULAR STATE**  
Güngör E., Sundu Pamuk H., Yılmazkaya Süngü J., Veli E.  
IMASCON 2022 AUTUMN FEN BİLİMLERİ KONGRESİ/SCIENCES CONGRESS, Kocaeli, Turkey, 9 - 10 December 2022, pp.1-10
- IX. **Missing Member of the  $J^PC = 2^{--}$  Nonet in Extreme Conditions**  
YILMAZKAYA SÜNGÜ J., Türkan A., Sertbakan E., VELİ E.  
Türk Fizik Derneği 36.Uluslararası Fizik Kongresi, 1 - 05 September 2020
- X. **PROPERTIES OF PSEUDOTENSOR  $\Pi_2(1670)$  MESON UNDER EXTREME THERMAL CONDITIONS**  
YILMAZKAYA SÜNGÜ J., Türkan A., GÜNGÖR E., VELİ E.

International Marmara Sciences Congress (Autumn) 2019 Proceedings Book (Natural and Applied Sciences), 1 - 03 November 2019, pp.464-469

- XI. **THE INVESTIGATION OF THERMAL EFFECTS ON  $\eta_2$  (1645) AND  $\eta_2$  (1870) MESONS IN HOT MEDIUM**  
Türkan A., YILMAZKAYA SÜNGÜ J., REİSOĞLU H., VELİ E.  
International Marmara Sciences Congress (Autumn) 2019 Proceedings Book (Natural and Applied Sciences), 1 - 03 November 2019, pp.457-463
- XII. **Melting of  $\rho_2$  meson at extreme temperatures**  
Sertbakan E., Yilmazkaya Süngü J., Türkan A., Veli E.  
35th Turkish International Physics Congress, Muğla, Turkey, 4 - 08 September 2019
- XIII. **Mass and Pole Residue of  $\Upsilon_b(10890)$  State with  $JPC = 1^{--}$  at Finite Temperature**  
Veli E., Yilmazkaya Süngü J., Dağ H., Türkan A.  
The 10th Jubilee Conference of the Balkan Physical Union, Oblast Sofia-Grad, Bulgaria, 26 - 30 August 2018, vol.2075, no.80012, pp.800121-800126
- XIV. **Hot medium effects on pseudotensor  $K_2(1820)$  meson**  
Veli E., Yilmazkaya Süngü J., Türkan A., Dağ H.  
15th International Workshop on Meson Physics, Krakow, Poland, 7 - 12 June 2018
- XV. **The Treatment of Poles in Yang-Mills Theories in Axial Gauges**  
VELİ E., YILMAZKAYA SÜNGÜ J., TÜRKAN A.  
2nd International Conference on Innovations in Natural Science and Engineering (ICINSE 2018), Kiev, Ukraine, 7 - 10 September 2018
- XVI. **Hadronic Parameters of  $\chi(c_1)(1P)$  and First Radially Excited State  $\chi(c_1)(2P)$**   
Sungu J., Jumasahatov A. C.  
34th International Physics Congress of the Turkish-Physical-Society (TPS), Konacik, Turkey, 5 - 09 September 2018, vol.2042
- XVII. **Deconfined Quark Gluon Matter and Hadronization**  
VELİ E., YILMAZKAYA SÜNGÜ J.  
international conference on science and technology, 3 - 06 October 2016
- XVIII. **The investigation of Heavy lighth tensor mesons**  
YILMAZKAYA SÜNGÜ J., Yinelek N.  
9th International Physics Conference of the Balkan Physical Union – BPU9, 01 March 2016
- XIX. **Heavy Light Scalar and Axial Vector Mesons Decay Constants and Masses in QCD Sum Rule Approach**  
YILMAZKAYA SÜNGÜ J., azizi k., SUNDU PAMUK H., yinelek n., sahin s.  
The many faces of QCD, 1 - 05 November 2010, vol.45
- XX. **Analyses of  $g_D$  s DK and  $g_B$  s BK vertices in QCD sum rules**  
YILMAZKAYA SÜNGÜ J., SUNDU PAMUK H., Azizi K.  
2nd International Conference on Particle Physics: In Memoriam Engin Arik and Her Colleagues, 20 June - 27 August 2011, vol.347, pp.12035
- XXI. **Heavy Light Mesons Decay Constants and Masses in QCD Sum Rule Approach**  
YILMAZKAYA SÜNGÜ J., SUNDU PAMUK H., AZIZI K., Yinelek N.  
The Many Faces of QCD, 04 November 2010, vol.45, pp.1-10
- XXII. **The investigation of bose excitations in quark-gluon plasma in lightcone gauge**  
Veliev E. V., YILMAZKAYA SÜNGÜ J., Bozkir G., Aksit N.  
6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.223-224

## Other Publications

- I. **Kuark-Gluon Plazmanın Termodinamik Potansiyelinin Işık-koni Ayarı Kullanılarak Hesaplanması.**  
Yilmazkaya Süngü J.

Other, pp.1-80, 2004

- II. **Kuantum Kromodinamiğinde Kuark-Gluon Propagatorlarının Tek İlmekli Yaklaşımında Hesaplanması.**  
Yılmazkaya Süngü J.  
Other, pp.1-50, 1995

## Supported Projects

- YILMAZKAYA SÜNGÜ J., BALDAN IŞIK İ., VELİ E., TÜRKAN A., ÇİFTLİ JUMASAHATOV A., SUNDU PAMUK H., Project Supported by Higher Education Institutions, TENSÖR MEZONLARIN HADRONİK PARAMETRELERİNİN TERMAL KRD TOPLAM KURALLARI YÖNTEMİ İLE İNCELENMESİ, 2018 - 2019
- Baldan Işık İ., Yılmazkaya Süngü J., Veli E., Sundu Pamuk H., Project Supported by Higher Education Institutions, HAFİF DÖRT KUARKLI YAPILARIN FİZİKSEL ÖZELLİKLERİNİN İNCELENMESİ, 2018 - 2019
- SUNDU PAMUK H., YILMAZKAYA SÜNGÜ J., VELİ E., Project Supported by Higher Education Institutions, PC(4380) VE PC(4450) PENTAKUARKLARIN GÜÇLÜ ETKİLEŞMELERİNİN İNCELENMESİ, 2017 - 2018
- Veli E., Yılmazkaya Süngü J., Sundu Pamuk H., Project Supported by Higher Education Institutions, Pc(4380) ve Pc(4450) PENTAKUARKLARIN GÜÇLÜ ETKİLEŞMELERİNİN İNCELENMESİ, 2017 - 2017
- Sundu Pamuk H., Azizi K., Yılmazkaya Süngü J., Er N., Saraç Oymak Y., TUBITAK Project, Investigation of Physical Properties of B and D Mesons in Nuclear Medium, 2014 - 2016
- Yılmazkaya Süngü J., Project Supported by Higher Education Institutions, KRD Toplam Kuralları Metodu Kullanılarak Tensör Mezonların Fiziksel Özelliklerinin Belirlenmesi, 2013 - 2015
- YILMAZKAYA SÜNGÜ J., Project Supported by Higher Education Institutions, Yarıleptonik Kuarkonyum Geçişlerinin KRD Toplam Kuralları Metodu Kullanılarak İncelenmesi, 2011 - 2013
- Veli E., Sundu Pamuk H., Yılmazkaya Süngü J., TUBITAK Project, Sonlu Sıcaklık ve Yoğunluklarda Hadron Parametrelerine Ortam Etkilerinin İncelenmesi, 2010 - 2012
- Yılmazkaya Süngü J., Sundu Pamuk H., Veli E., TUBITAK Project, Kuark-Gluon Plazma Ortamında Hadron Bozunumlarının İncelenmesi, 2005 - 2008
- Yılmazkaya Süngü J., Project Supported by Higher Education Institutions, Kuark-gluon plazmada Renk Alanlarının Perdelenmesi ve Plazma Salınımları, 2004 - 2004
- Veli E., Yılmazkaya Süngü J., Project Supported by Other Official Institutions, Kuark-gluon Plazma Sinyallerinin İncelenmesi, 2003 - 2003
- Yılmazkaya Süngü J., Project Supported by Higher Education Institutions, Kuantum Renk Dinamiği' nin Sonlu Sıcaklıklarda İncelenmesi, 1998 - 1998

## Scientific Refereeing

Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, February 2018

## Tasks In Event Organizations

- Yılmazkaya Süngü J., International Conference on Electrical Discharges with Liquids, Scientific Congress, Turkey, Mart 2016
- Yılmazkaya Süngü J., II. Uludağ Yüksek Enerji Fiziği Kış Okulu, Workshop Organization, Bursa, Turkey, Şubat 2013
- Yılmazkaya Süngü J., International Workshop on Solid State and Plasma Physics, Scientific Congress, Sakarya, Turkey, Eylül 1998

## Scientific Research / Working Group Memberships

Türk Fizik Derneği, Kocaeli University, Türkiye, <http://tfd.com.tr/>, 1998 - Continues

## Metrics

Publication: 55

Citation (WoS): 304

Citation (Scopus): 298

H-Index (WoS): 10

H-Index (Scopus): 9

## Congress and Symposium Activities

International Physics Conference of the Balkan Physical Union – BPU9/The Investigation of Heavy-Light Tensor Meson, Attendee, İstanbul, Turkey, 2015

QCD@Work, International Workshop on QCD-Theory and experiment/Transition form factors of P wave bottomonium  $\psi(3700)$  into  $B_c$  meson, Attendee, Lecce, Italy, 2012

2nd International Conference on Particle Physics in Memoriam Engin Arik and Her Colleagues/Analyses of  $g_{D_s^*DK}$  and  $g_{B_s^*BK}$  vertices in QCD sum rules, Attendee, İstanbul, Turkey, 2011

TROIA'11 International Conference on Hadron Physics/Analysis of  $D_s^*DK_1$  ( $B_s^*BK_1$ ) coupling constants within QCD sum rules, Attendee, Çanakkale, Turkey, 2011

The Many Faces of QCD/Heavy Light Mesons Decay Constants and Masses in QCD Sum Rule Approach, Attendee, Ghent, Belgium, 2010

Turkish Physics Society 27th. International Physics Congress/Light Scalar Mesons Decay Constants and Masses within QCD Sum Rules, Attendee, İstanbul, Turkey, 2010

International Balkan Physical Union 6/The Investigation of Bose Excitations in Quark- Gluon Plasma in Lightcone gauge, Attendee, İstanbul, Turkey, 2006

## Invited Talks

Formation of the Universe, Seminar, Necip Fazıl Kısakürek Anatolian Imam Hatip High School, Turkey, April 2012

Space, time and universe, Seminar, Yalova Anatolian High School, Turkey, November 2011

## Non Academic Experience

Kocaeli üniversitesi