

SELCUK HACIÖMEROĞLU

DOÇENT

Öğrenim Bilgisi

Doktora 2005 18/Şubat/2013	İSTANBUL TEKNİK ÜNİVERSİTESİ/FEN BİLİMLERİ ENSTİTÜSÜ/FİZİK MÜHENDİSLİĞİ (DR)/ Tez adı: Studies of spin and beam dynamics and electric field issues for the proton edm experiment in an all electric storage ring (2012) Tez Danışmanı:(Cenap Şahabettin Özben; Yannis K. Semertzidis)
Yüksek Lisans 2003 11/Temmuz/2005	MARMARA ÜNİVERSİTESİ/FEN BİLİMLERİ ENSTİTÜSÜ/FİZİK (YL) (TEZLİ)/ Tez adı: İkinci tür süperiletkenlerde yüksek sıcaklıkta vorteks dinamiği (2005) Tez Danışmanı:(Şahin Aktaş)
Lisans 1993 8/Ağustos/1998	ORTA DOĞU TEKNİK ÜNİVERSİTESİ/FEN-EDEBİYAT FAKÜLTESİ/FİZİK BÖLÜMÜ/FİZİK PR. (İNGİLİZCE)/

Akademik Görevler

DOÇENT 01.08.2023	İSTİNYE ÜNİVERSİTESİ/REKTÖRLÜK/TEMEL BİLİMLER BÖLÜMÜ)
DOKTOR ÖĞRETİM ÜYESİ 14.06.2022-31.07.2023	İSTİNYE ÜNİVERSİTESİ/REKTÖRLÜK/TEMEL BİLİMLER BÖLÜMÜ)
ÖĞRETİM GÖREVLİSİ 16.03.2022-13.06.2022	İSTİNYE ÜNİVERSİTESİ/MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ)
ARAŞTIRMA GÖREVLİSİ 01.12.2005-28.02.2014	İSTANBUL TEKNİK ÜNİVERSİTESİ/FEN-EDEBİYAT FAKÜLTESİ/FİZİK MÜHENDİSLİĞİ BÖLÜMÜ/FİZİK MÜHENDİSLİĞİ ANABİLİM DALI)

Projelerde Yaptığı Görevler:

- nm/sqrt(Hz) hassasiyetine sahip SQUID-tabanlı demet konum monitörü geliştirilmesi, Diğer (Uluslararası), Yürütücü:SELCUK HACIÖMEROĞLU, Danışman:Yannis Semertzidis, Araştırmacı:Yongho Lee, Araştırmacı:Zhanibek Omarov, , 01/08/2014 - 30/06/2021 (ULUSLARARASI)
- K-modülasyonu yöntemiyle parçacık hızlandırıcısı demet hattındaki ortalama manyetik alanın ölçümü, -Tübitak 1001, Araştırmacı:Ezgi Ergenlik, Araştırmacı:AYDIN ÖZBEY, Araştırmacı:MUSTAFA

DOĞAN, Yürütücü:SELÇUK HACIÖMEROĞLU, , 20/09/2023 (Devam Ediyor) (ULUSAL)

3. RF elektrik alanı uygulayarak uyumlu betatron salınımlarının (coherent betatron oscillations) baskılanması , Diğer (Uluslararası), Yürütücü:SELÇUK HACIÖMEROĞLU, Araştırmacı:On Kim, Araştırmacı:Jihoon Choi, Araştırmacı:Youngim Kim, Danışman:Yannis Semertzidis, , 01/09/2016 - 01/04/2020 (ULUSLARARASI)

Dersler *

2021-2022

Öğretim Dili Ders Saati

Lisans

Fizik-2

Türkçe

5

Doktora

Hızlandırıcı Fiziği

İngilizce

4

Eserler

Uluslararası hakemli dergilerde yayımlanan makaleler:

1. (Fermilab) Muon g-2 Collaboration (2023). Measurement of the Positive Muon Anomalous Magnetic Moment to 0.20 ppm. American Physical Society (APS), 131, 161802, Doi: 10.1103/PhysRevLett.131.161802 (Yayın No: 8659937)
2. Omarov Zhanibek, Davoudiasl Hooman, HACIÖMEROĞLU SELÇUK, Lebedev Valeri, Morse William, Semertzidis Yannis, Silenko Alexander, Stephenson Edward, Suleiman Riad (2022). Comprehensive symmetric-hybrid ring design for a proton EDM experiment at below $10^{(-29)}$ e-cm. PHYSICAL REVIEW D, 105(3), 20, Doi: 10.1103/PhysRevD.105.032001 (Yayın No: 7811651)
3. Omarov Zhanibek, HACIÖMEROĞLU SELÇUK (2022). Machine learning assisted non-destructive beam profile monitoring. NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, 1026, 8, Doi: 10.1016/j.nima.2021.166132 (Yayın No: 7811629)
4. Albahri T, Anastasi A, Badgley K, Baessler S, Bailey I, Baranov V A, BARLAS YÜCEL ESRA, Baret T, Berz M, Bhattacharya Meghna, Binney H P, Bloom P, Bono J, Bottalico E, Bowcock T, Cantarore G, Carey R M, Casey Brendan, Cauz D, Chakraborty R, Charity S, Chang Seungpyo, Chapelain A, Chrislett R, Choi Jihoon, Chu Z, Chupp T E, Corrodi S, Cotrozzi L, Crnkovic Jason, Dabagov S, Debevec P T, Di Falco S, Di Meo P, Di Sciascio G, Driutti A, Duginov V N, Eads M, Esquivel J, Farooq M, Fatemi R, Ferrari C, Fertl M, Fiedler A, Fienberg A T, Fioretti A, Flay D, HACIÖMEROĞLU SELÇUK, (Fermilab) Muon g-2 Collaboration (2021). Measurement of the Positive Muon Anomalous Magnetic Moment to 0.46 ppm. PHYSICAL REVIEW LETTERS, 126(14), 11, Doi: 10.1103/PhysRevLett.126.141801 (Yayın No: 7811716)
5. Albahri T, Badgley K, Baessler S, Bailey I, Baranov V A, BARLAS YÜCEL ESRA, Baret T, Berz M, Bhattacharya Meghna, Binney H P, Bloom P, Bono J, Bottalico E, Bowcock T, Cantarore G, Carey R M, Casey Brendan, Cauz D, Chakraborty R, Charity S, Chapelain A, Chang Seungpyo, Chu Z, Chupp T E, Corrodi S, Cotrozzi L, Crnkovic Jason, Dabagov S, Debevec P T, Di Falco S, Di Meo P, Di Sciascio G, Di Stefano R, Driutti A, Duginov V N, Eads M, Esquivel J, Farooq M, Fatemi R, Ferrari C, Fertl M, Fiedler A, Fienberg A T, Fioretti A, Flay D, Frlez E, HACIÖMEROĞLU SELÇUK, (Fermilab) Muon g-2 Collaboration (2021). Beam dynamics corrections to the Run-1 measurement of the muon anomalous magnetic moment at Fermilab. PHYSICAL REVIEW ACCELERATORS AND BEAMS, 24(4), 34, Doi: 10.1103/PhysRevAccelBeams.24.044002 (Yayın No: 7811723)
6. Albahri T, Anastasi A, Badgley K, Baessler S, Bailey I, Baranov V A, Baret T, BARLAS YÜCEL ESRA, Badeschi F, Berz M, Binney H P, Bhattacharya Meghna, Bloom P, Bono J, Bottalico E, Bowcock T, Cantarore G, Carey R M, Casey Brendan, Cauz D, Chakraborty R, Chapelain A, Chang Seungpyo, Charity S, Chrislett R, Chu Z, Choi Jihoon, Chupp T E, Corrodi S, Cotrozzi L, Dabagov S, Crnkovic Jason, Debevec P T, Di Falco S, Driutti A, Di Meo P, Di Sciascio G, Di Stefano R, Duginov V N, Eads M, Esquivel J, Farooq M, Fatemi R, Ferrari C, Fertl M, Fiedler A, Fienberg A T, Fioretti A, Flay D, Frlez E, HACIÖMEROĞLU SELÇUK, (Fermilab) Muon g-2 Collaboration (2021). Measurement of the anomalous precession frequency of the muon in the Fermilab Muon g-2 Experiment. Physical Review D, 103, Doi: 10.1103/PhysRevD.103.072002 (Yayın No: 7848816)
7. Graham Peter, HACIÖMEROĞLU SELÇUK, Kaplan David, Omarov Zhanibek, Surjeet Rajendran, Semertzidis Yannis (2021). Storage ring probes of dark matter and dark energy. PHYSICAL REVIEW D, 103(5), 13, Doi: 10.1103/PhysRevD.103.055010 (Yayın No: 7811671)
8. Albahri T, Anastasi A, Badgley K, Baessler S, Bailey I, Baranov V A, BARLAS YÜCEL ESRA, Baret T, Berz M, Bhattacharya Meghna, Binney H P, Bloom P, Bono J, Bottalico E, Bowcock T, Cantarore G, Carey R M, Casey Brendan, Cauz D, Chang Seungpyo, Chakraborty R, Charity S, Chapelain A,

Uluslararası hakemli dergilerde yayımlanan makaleler:

- Chrislett R, Choi Jihoon, Chu Z, Chupp T E, Corrodi S, Cotrozzi L, Crnkovic Jason, Dabagov S, Debevec P T, Di Meo P, Di Sciascio G, Di Stefano R, Di Sciascio G, Driutti A, Duginov V N, Eads M, Esquivel J, Farooq M, Fatemi R, Ferrari C, Fertl M, Fiedler A, Fienberg A T, Fioretti A, Flay D, Frlez E, HADIÖMEROĞLU SELCUK, (Fermilab) Muon g-2 Collaboration (2021). Magnetic-field measurement and analysis for the Muon g-2 Experiment at Fermilab. *PHYSICAL REVIEW A*, 103(4), 35, Doi: 10.1103/PhysRevA.103.042208 (Yayın No: 7811729)
9. HADIÖMEROĞLU SELCUK (2020). Real-time sextupole tuning for a long in-plane polarization at storage rings. *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*, 982, 7, Doi: 10.1016/j.nima.2020.164550 (Yayın No: 7811734)
 10. Kim On, Bhattacharya Meghna, Chang Seungpyo, Choi Jihoon, Crnkovic Jason, Ganguly Sudeshna, HADIÖMEROĞLU SELCUK, Kargiantoulakis Manolis, Kim Youngim, Lee Sohyung, Morse William, Nguyen Hogan, Orlov Yuri, Roberts Lee, Semertzidis Yannis, Tishchenko Vladimir, Tran Nam, BARLAS YÜCEL ESRA (2020). Reduction of coherent betatron oscillations in a muon-g-2 storage ring experiment using RF fields. *NEW JOURNAL OF PHYSICS*, 22(6), 16, Doi: 10.1088/1367-2630/ab83d0 (Yayın No: 7811756)
 11. HADIÖMEROĞLU SELCUK, Semertzidis Yannis (2019). Hybrid ring design in the storage-ring proton electric dipole moment experiment. *Physical Review Accelerators and Beams*, 22, Doi: 10.1103/PhysRevAccelBeams.22.034001 (Yayın No: 7811777)
 12. Abe M, Bae S, Beer G, Bunce G, Choi H, Choi S, da Silva W, Chung M, Eidelman S, Finger M, Fukao Y, Fukuyama T, Hasegawa K, HADIÖMEROĞLU SELCUK, Hayasaka K, Hayashizaki N, Hisamatsu H, Iijima T, Inuma H, Ikeda H, Ikeno M, Inami K, Ishida K, ITOHASHI T, Iwasaki M, Iwashita Y, Iwata Y, Kanodo R, Kamal S, Kamitani T, Kanda S, Kapusta F, Kawagoe K, Kawamura N, Kim B, Kim Y I, Kishishita T, Kitamura R, Ko H, Kohriki T, Kondo Y, Kume T, Lee M J, Lee S, Lee W, Marshall G M, Matsuda Y, Mibe T, Miyake Y, Murakami T, Nagamine K, Nakayama H, Nishimura S, Nomura D, Ogitsu T, Ohsawa S, Oide K, Oishi Y, Okada S, Olin A, Omarov Z, Otani M, Razuvaev G, Rehman A, Saito N, SATO Y, Semertzidis Y K, Sendai H, Shatunov Y, Shimomura K, Shoji M, Shwartz B, Strasser P, Sue Y, Suehara T, Sung C, Suzuki K, Takatomi T, Tanaka M, Tojo J, Tsutsumi Y, Uchida T, Ueno K, Wada S, Won E, Yamaguchi H, Yamanaka T, Yamamoto A, Yamazaki T, Yasuda H, Yoshida M, Yoshioka T (2019). A new approach for measuring the muon anomalous magnetic moment and electric dipole moment. *PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS*, 2019(5), 22, Doi: 10.1093/ptep/ptz030 (Yayın No: 7811700)
 13. Chang Seungpyo, HADIÖMEROĞLU SELCUK, Kim On, Lee Sohyung, Park Seongtae, Semertzidis Yannis (2019). Axionlike dark matter search using the storage ring EDM method. *PHYSICAL REVIEW D*, 99(8), 12, Doi: 10.1103/PhysRevD.99.083002 (Yayın No: 7811770)
 14. HADIÖMEROĞLU SELCUK, Orlov Yuri, Semertzidis Yannis (2019). Magnetic field effects on the proton EDM in a continuous all-electric storage ring. *Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 927, Doi: 10.1016/j.nima.2019.01.046 (Yayın No: 7811764)
 15. Anastassopoulos V, Andrianov S, Baartman R, Baessler S, Bai M, Benante J, Berz M, Blaskiewicz M, Bowcock T, Brown K, Casey B, Conte M, Crnkovic J, D'Imperio N, Fanourakis G, Fedotov A, Fierlinger P, Fischer W, Gaisser M O, Giomataris Y, Grosse-Perdekamp M, Guidoboni G, Hoffstaetter G, HADIÖMEROĞLU SELCUK, Huang H, Incagli M, Ivanov A, Kawanishi D, Kim Y I, King B, Lazarus D, Lebedev V, Lee M J, Lee S, Lee Y H, Lehrach A, Lenisa P, Sandri P, Luccio A, Lyapin A, MacKay W, Maier R, Makino K, Malitsky N, Marciano W, Meng W, Meot F, Metodiev E, Miceli L, Moricciani D, Morse W, Nagaitsev S, Nayak S, Orlov Y, Ozben C, Park S, Pesce A, Petrakou E, Pile P, Podobedov B, Polychronakos V, Pretz J, Ptitsyn V, Ramberg E, Raparia D, Rathmann F, Rescia S, Roser T, Sayed H, Semertzidis Y, Senichev Y, Sidorin A, Silenko A, Simos N, Stahl A, Stephenson E, Stroehrer H, Syphers M, Talman J, Talman R, Tishchenko V, Touramanis C, Tsoupras N, Venanzoni G, Vetter K, Vlassis S, Won E, Zavattini G, Zelenski A, Zioutas K (2016). A storage ring experiment to detect a proton electric dipole moment. *Review of Scientific Instruments*, 87, Doi: 10.1063/1.4967465 (Yayın No: 7811919)
 16. Metodiev Eric, IM D'Silva, M Fandaros, Gaisser Martin, HADIÖMEROĞLU SELCUK, Huang D, Huang K L, Patil A, Prodromou R, Semertzidis Olga, Sharma D, Stamatakis AN, Orlov Yuri, Semertzidis Yannis (2015). Analytical benchmarks for precision particle tracking in electric and magnetic rings. *Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 797, Doi: 10.1016/j.nima.2015.06.032 (Yayın No: 7811954)
 17. Albahri T, Anastasi A, Badgley K, Baessler S, Bailey I, Baranov V A, BARLAS YÜCEL ESRA, Barrett T, Bhattacharya Meghna, Binney H P, Bloom P, Bono J, Bottalico E, Bowcock T, Cantarone G, Carey R M, Casey Brendan, Cauz D, Chakraborty R, Chang Seungpyo, Chapelain A, Charity S, Choi Jihoon, Chu Z, Chupp T E, Corrodi S, Cotrozzi L, Crnkovic Jason, Dabagov S, Debevec P T, Di Falco S, Di Meo P, Di Sciascio G, Di Stefano R, Driutti A, Duginov V N, Eads M, Esquivel J, Farooq M, Fatemi R, Ferrari C, Fertl M, Fiedler A, Fienberg A T, Fioretti A, Flay D, HADIÖMEROĞLU SELCUK, (Fermilab) Muon g-2 Collaboration (2015). The Measurement of the Anomalous Magnetic Moment of the Muon at Fermilab. *Journal of Physical and Chemical Reference Data*, 44, Doi: 10.1063/1.4917553 (Yayın No: 7811927)

Uluslararası hakemli dergilerde yayımlanan makaleler:

18. HACIÖMEROĞLU SELCUK, Semertzidis Yannis (2014). Results of precision particle simulations in an all-electric ring lattice using fourth-order Runge-Kutta integration. NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, 743, 7, Doi: 10.1016/j.nima.2014.01.023 (Yayın No: 7811961)
19. BARLAS YÜCEL ESRA, Bayrak Ahmet, EMİRHAN MEHMET ERHAN, HACIÖMEROĞLU SELCUK, ÖZBEN CENAP ŞAHABETTİN (2013). Spatial distribution of Po-214 ions in the electrostatic collection. APPLIED RADIATION AND ISOTOPES, 80, 4, Doi: 10.1016/j.apradiso.2013.06.004 (Yayın No: 7811981)

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

1. Kawall David, (Fermilab) Muon g-2 Collaboration (2015). The Measurement Of The Anomalous Magnetic Moment Of The Muon at Fermilab. Fundamental constants 2015 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:7850838)
2. HACIÖMEROĞLU SELCUK, Martin Gaisser, Kim Youngim, Lee Soohyung, Semertzidis Yannis (2015). Precision Spin Tracking for Electric Dipole Moment Searches. 12th International Computational Accelerator Physics Conference, ICAP2015 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:7850893)
3. Kim On, Chang Seungpyo, Choi Jihoon, HACIÖMEROĞLU SELCUK, Kim Youngim, Orlov Yuri, Semertzidis Yannis (2018). Reduction of Coherent Betatron Oscillations Using RF Electric Fields in the Fermilab Muon g-2 Experiment. IPAC 2018 (Tam Metin Bildiri/Poster)(Yayın No:7850880)
4. HACIÖMEROĞLU SELCUK, Semertzidis Yannis (2018). Status of the Storage Ring Proton EDM Experiment. CIPANP 2018 - Thirteenth Conference on the Intersections of Particle and Nuclear Physics (Özet Bildiri/Sözlü Sunum)(Yayın No:7812016)
5. Kim On, HACIÖMEROĞLU SELCUK, Choi Jihoon, Chang Seungpyo (2018). Correction of the Effect of the Coherent Betatron Oscillation by the RF Electric Field for Fermilab Muon g-2 Experiment. 39th International Conference on High Energy Physics (ICHEP2018) : Seoul, Korea, July 4-11, 2018 (Özet Bildiri/Poster)(Yayın No:7851298)
6. Chang Seungpyo, Kim On, HACIÖMEROĞLU SELCUK, Lee Soohyung, Park Seongtae, Semertzidis Yannis (2018). A low frequency Axion search using the storage ring electric dipole moment method. 39th International Conference on High Energy Physics (ICHEP2018) : Seoul, Korea, July 4-11, 2018 (Özet Bildiri/Poster)(Yayın No:7851308)
7. Sung Chang-Kyu, Chung Moses, HACIÖMEROĞLU SELCUK (2018). A non-destructive beam profile monitor for a muon beam of g-2/EDM experiment at J-PARC. 39th International Conference on High Energy Physics (ICHEP2018) : Seoul, Korea, July 4-11, 2018 (Özet Bildiri/Poster)(Yayın No:7851293)
8. Sung Chang-Kyu, Chung Moses, HACIÖMEROĞLU SELCUK, Semertzidis Yannis (2019). Stripline-based Non-destructive Beam Profile Monitoring System for Muon g-2/EDM Experiment at J-PARC. 8th International Beam Instrumentation Conference (IBIC 2019) (Tam Metin Bildiri/Poster)(Yayın No:7850557)
9. Collaboration Snowmass EDM, HACIÖMEROĞLU SELCUK (2022). Electric dipole moments and the search for new physics. 2022 Snowmass Summer Study (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:7850853)
10. HACIÖMEROĞLU SELCUK (2022). NEURAL NETWORK BASED TRANSFER MAPS FOR BEAM AND SPIN DYNAMICS SIMULATIONS. TURKISH PHYSICAL SOCIETY 38th INTERNATIONAL PHYSICS CONGRESS (Özet Bildiri/Sözlü Sunum)(Yayın No:7862389)
11. HACIÖMEROĞLU SELCUK (2021). Optimization of electric sextupole profile for reducing image charge effects. TURKISH PHYSICAL SOCIETY 37th INTERNATIONAL PHYSICS CONGRESS (Özet Bildiri/Sözlü Sunum)(Yayın No:7812208)
12. HACIÖMEROĞLU SELCUK, Semertzidis Yannis (2018). SEARCH FOR PROTON EDM IN A HYBRID STORAGE RING. TURKISH PHYSICAL SOCIETY 34th INTERNATIONAL PHYSICS CONGRESS (Özet Bildiri/Sözlü Sunum)(Yayın No:7812280)
13. Kim On, Choi Jihoon, HACIÖMEROĞLU SELCUK, Chang Seungpyo, Lee Soohyung, Kim Youngim, Semertzidis Yannis (2018). Reduction of the Coherent Betatron Oscillation Amplitude by an RF Electric Field for the Fermilab Muon g-2 Experiment. 39th International Conference on High Energy Physics (ICHEP2018) : Seoul, Korea, July 4-11, 2018 (Tam Metin Bildiri/Poster)(Yayın No:7850869)
14. HACIÖMEROĞLU SELCUK, Kawall David, Lee Yongho, Matlashov Andrei, Omarov Zhanibek, Semertzidis Yannis (2018). SQUID-based BPM for proton EDM experiment. ICHEP2018 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:7812116)
15. HACIÖMEROĞLU SELCUK (2018). Status of the Fermilab Muon g-2 experiment. ICHEP2018 (Özet Bildiri/Sözlü Sunum)(Yayın No:7812112)
16. Chang Seungpyo, Kim On, Semertzidis Yannis, HACIÖMEROĞLU SELCUK, Lee Soohyung, Park Seongtae (2018). Axion searches with the storage ring EDM method. ICHEP2018, 39th

- International Conference on High Energy Physics (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:7812179)
17. Chang Seungpyo, Hacıömeroğlu Selçuk, Kim On, Lee Soohyung, Park Seongtae, Semertzidis Yannis (2017). Axion dark matter search using the storage ring EDM method. 17th International Workshop on Polarized Sources, Targets and Polarimetry (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:7812173)
 18. Hacıömeroğlu Selçuk (2014). SQUID-based beam position monitoring for proton EDM experiment. 4th Joint Meeting of the APS Division of Nuclear Physics and the Physical Society of Japan (Özet Bildiri/Sözlü Sunum)(Yayın No:7812004)
 19. Park Seongtae, Semertzidis Yannis, Hacıömeroğlu Selçuk (2014). Proposal of GEM-based position sensitive detector for the proton EDM measurement. 4th Joint Meeting of the APS Division of Nuclear Physics and the Physical Society of Japan (Özet Bildiri/Sözlü Sunum)(Yayın No:7812012)
 20. Hacıömeroğlu Selçuk, Semertzidis Yannis (2011). Proton EDM simulations using fourth-order Runge-Kutta integration. Proceedings of the 7th Patras Workshop on Axions, WIMPs and WISPs (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:7812160)
 21. Aktaş Şahin, Hacıömeroğlu Selçuk (2006). Vortex dynamics in case of possible room temperature superconductivity. 6TH International Conference of the Balkan Physical Union (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:7812149)

D. Ulusal hakemli dergilerde yayımlanan makaleler :

1. Hacıömeroğlu Selçuk (2021). Optimization of Electrostatic Quadrupole Profile to Reduce Image Charge Effects. Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 25(2), 149-154., Doi: 10.19113/sdufenbed.832265 (Kontrol No: 7812302)

E. Ulusal bilimsel toplantılarda sunulan ve bildiri kitaplarında basılan bildiriler:

1. Hacıömeroğlu Selçuk (2022). Proton EDM deneyi için kuadropol ve demet konum monitörü prototip önerileri . İstanbul Yüksek Enerji Fiziği Çalıştayı (YEFİST 2022) (Özet Bildiri/Sözlü Sunum)(Yayın No:7812000)

Üniversite Dışı Deneyim

01.07.2019-30.06.2021	Research engineer	Institute for Basic Science, Temel Bilimler Enstitüsü'nde araştırmacı olarak proje çalışmaları, üç doktora öğrencisine "mentör"lük., (Diğer)
01.03.2014-28.02.2019	Research fellow	Institute for Basic Science, Temel Bilimler Enstitüsü'nde araştırmacı olarak proje çalışmaları, üç doktora öğrencisine "mentör"lük., (Diğer)
