Assoc. Prof. SEHER POLAT

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Education Information

Doctorate, Erciyes University, Sağlık Bilimleri Enstitüsü, Tıbbi Genetik, Turkey 2009 - 2015
Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Biyoloji, Turkey 2003 - 2007
Undergraduate, Erciyes University, Fen Fakültesi, Biyoloji , Turkey 2000 - 2003
Undergraduate, Celal Bayar Üniversitesi, Fen Fakültesi, Biyoloji, Turkey 1999 - 1999

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Education Management and Planning, Sheffield University, Sheffield University, 2015

Dissertations

Doctorate, PREMENAPOZAL HİRSUT/HİPERANDROJENİZMLİ KADINLARDA CYP21A2, CYP11B1, HSD3ß2 VE NR3C4 (AR) LOKUSLARINA AİT GENETİK DEĞİŞİKLİKLERİN ARAŞTIRILMASI, Erciyes Üniversitesi, Sağlık Bilimleri Enstitüsü, Tıbbi Genetik, 2015
Postgraduate, Triticum L.'nun Bazı Çeşitleri ve Aegilops L. türünde Düşük Sıcaklıkta Bazı Antioksidan Enzim Aktivitelerinin ve Fizyolojik Parametrelerin Araştırılması, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Biyoloji, 2007

Research Areas

Medicine, Health Sciences, Internal Medicine Sciences, Medical Genetics, Life Sciences, Biotechnology, Molecular Biology and Genetics, Genetic Disorders, Natural Sciences

Academic Titles / Tasks

Research Assistant, University of Sheffield, Biomedical Science, Biomedical Science, 2015 - 2015
Research Assistant, Erciyes University, Sağlık Bilimleri Enstitüsü, Dahili Tıp Bilimleri, 2012 - 2015
Research Assistant, Christian-Albrechts-Universitaet zu Kiel, Division Of Pediatric Endocrinology And Diabetes, Division

Of Pediatric Endocrinology And Diabetes, 2012 - 2013
Research Assistant, Universitaet zu Köln, Max Planck Institute For Plant Breeding, Recombination Unit, 2008 - 2009
Other, Rijksuniversiteit Groningen, Plant Molecular Biology, Plant Molecular Biology, 2005 - 2006

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Association between ACE (rs4343 and rs1799752), AGTR1 (rs5186), and PAI-1 (rs2227631) polymorphisms in the host and the severity of Covid-19 infection**
POLAT S., Şimşek Z. Ö.
Nucleosides, Nucleotides and Nucleic Acids, vol.44, no.1, pp.57-78, 2025 (SCI-Expanded)

II. **Unexpectedly high mutation rate of cyp11b1 compared to cyp21a2 in randomly-selected turkish women: a large screening study**
POLAT S., Karaburgu S., ÜNLÜHİZARCI K., DÜNDAR M., ÖZKUL Y., ARSLAN Y. K., Karaca Z., Kelestimur F.
Journal of Endocrinological Investigation, vol.46, no.11, pp.2367-2377, 2023 (SCI-Expanded)

III. **17-Hydroxyprogesterone Response to Standard Dose Synacthen Stimulation Test in CYP21A2 Heterozygous Carriers and Non-carriers in Symptomatic and Asymptomatic Groups: Meta-analyses**
POLAT S., Arslan Y. K.
JCRPE Journal of Clinical Research in Pediatric Endocrinology, vol.14, no.1, pp.56-68, 2022 (SCI-Expanded)

IV. **The role of androgen receptor CAG repeat polymorphism in androgen excess disorder and idiopathic hirsutism**
POLAT S., Karaburgu S., ÜNLÜHİZARCI K., DÜNDAR M., ÖZKUL Y., ARSLAN Y. K., Karaca Z., Kelestimur F.
JOURNAL OF ENDOCRINOLOGICAL INVESTIGATION, vol.43, no.9, pp.1271-1281, 2020 (SCI-Expanded)

V. **Comprehensive genotyping of Turkish women with hirsutism**
POLAT S., Karaburgu S., ÜNLÜHİZARCI K., DÜNDAR M., ÖZKUL Y., ARSLAN Y. K., Karaca Z., Kelestimur F.
JOURNAL OF ENDOCRINOLOGICAL INVESTIGATION, vol.42, no.9, pp.1077-1087, 2019 (SCI-Expanded)

VI. **Congenital adrenal hyperplasia due to 11-beta-hydroxylase deficiency: functional consequences of four CYP11B1 mutations**
Menabo S., Polat S., Baldazzi L., Kulle A. E., Holterhus P., Groetzinger J., Fanelli F., Balsamo A., Riepe F. G.
EUROPEAN JOURNAL OF HUMAN GENETICS, vol.22, no.5, pp.610-616, 2014 (SCI-Expanded)

Articles Published in Other Journals

I. **Host Genetic Polymorphisms and Disease Severity in Pregnant Women with COVID-19 in Türkiye**
POLAT S., Kiremitli S., Kiremitli T., Kirkinci A., Kurnuç F. Z., ARSLAN Y. K.
Journal of Clinical Obstetrics and Gynecology, vol.34, no.1, pp.1-9, 2024 (ESCI)

II. **Lomber Disk Hernisi Tanısı Alan Türk Hastalarda Genetik Polimorfizim**
POLAT S., ÖZÖNER B., ARSLAN Y. K., EKİNCİ B.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.14, no.2, pp.472-491, 2021 (Peer-Reviewed Journal)

III. **17 Alpha Hydroxylase Deficiency A Rare Case of PrimaryAmenorrhea and Hypertension**
ŞİMSEK Y., POLAT S., DİRİ H., TANRIVERDİ F., ÖZDAMAR KARACA Z. C., ÜNLÜHİZARCI K., KELEŞTİMUR F.
Turkish Journal of Endocrinology and Metabolism, 2014 (Scopus)

Papers Published in Refereed Scientific Meetings

I. **Gene variants of Congenital Adrenal Hyperplasia in Anatolian population**
DÜNDAR M., POLAT S., SAATÇİ Ç., ÖZKUL Y.
European Biotechnology Congress, 26 - 28 April 2018

II. **NCAH prevalance with novel CYP21A2 and CYP11B1 mutations in hirsut turkish women**

POLAT S., karaburgu s., ÜNLÜHİZARCI K., DÜNDAR M., ÖZKUL Y., ÖZDAMAR KARACA Z. C., Keleştimur F.
19th European Congress of Endocrinology, 20 - 23 May 2017

III. **Ankilozon Spondilit Hastalarında MDR 1 Gen Polimorfizim ve Ekspresyonunun Tedavisinde Kullanılan İlaçlara Göre Değişimi**
ÇOLAK F., POLAT S., KORKMAZ K., KIRNAP M., SAATÇİ Ç., DÜNDAR M., ÖZKUL Y.
XII. Ulusal Tıbbi Genetik Kongresi, Turkey, 5 - 09 October 2016, pp.275

IV. **A Nonvirilized form of Classic 3b HydroxysteroidDehydrogenase Deficiency Due to a HomozygousS218P Mutation in the HSD3B2 Gene in a Girl withClassic Phenylketonuria**
ALİKAŞİFOĞLU A., BÜYÜKYILMAZ G., GONCA N., OZON A., KANDEMİR N., DÜNDAR M., POLAT S., PEKTAŞ E., DURSUN A., SİVRİ H. S., et al.
European Society for Paediatric Endocrinology Congress, 10 - 12 September 2016, pp.281

Other Publications

I. **Testicular Adrenal Rest Tumor in Two Brothers with a Novel Mutation in the 3 Beta-Hydroxysteroid Dehydrogenase-2 Gene.**
POLAT S.
Other, pp.85-90, 2016

Supported Projects

POLAT S., Project Supported by Higher Education Institutions, Tıbbi Genetik Anabilim Dalı Araştırma Laboratuvarı Alt Yapı Projesi, 2017 - 2019

Metrics

Publication: 14
Citation (WoS): 24
Citation (Scopus): 25
H-Index (WoS): 2
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