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Personal Information

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Education Information

Doctorate, Rosalind Franklin University, United States Of America 1996 - 2001

Undergraduate, İstanbul University-Cerrahpaşa, Cerrahpasa Faculty Of Medicine, Turkey 1978 - 1984

Dissertations

Doctorate, The Roles of the E2F-1/pRB Complex in Cell growth and Gene expression, Rosalind Franklin University, 2001

Academic Titles / Tasks

Professor, Ankara University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2014 - Continues

Associate Professor, Ankara University, Ankara Tıp Fakültesi, 2009 - 2014

Courses

Genetics of bacteria, Associate Degree, 2024 - 2025

Klinik mikrobiyoloji Laboratuvar, Undergraduate, 2015 - 2016

Tıbbi mikrobiyoloji, Undergraduate, 2015 - 2016

Tıbbi Mikrobiyoloji, Postgraduate, 2015 - 2016

Mikrobiyal İdentifikasyon Amacıyla Kullanılan Moleküler Yöntemler, Associate Degree, 2014 - 2015

FLORESAN ANTİKOR (İMMUNOFLORESANS) DENEYLERİ, Associate Degree, 2014 - 2015

BEYİN OMURİLİK SIVISININ (BOS) MİKROBİYOLOJİK İNCELENMESİ, Associate Degree, 2014 - 2015

Varicella zoster ve EBV, Undergraduate, 2014 - 2015

Son yıllarda önem kazanan mikroorganizmalar, Undergraduate, 2014 - 2015

Viral enfeksiyonların tanı yöntemleri, Undergraduate, 2014 - 2015

SİNDİRİM SİSTEMİ ENFEKSİYONLARININ MİKROBİYOLOJİK İNCELENMESİ, Associate Degree, 2014 - 2015

Mikrobiyolojik inceleme için örnek alınması, saklanması ve transportu, Undergraduate, 2014 - 2015

ÜST SOLUNUM YOLLARI ENFEKSİYONLARININ MİKROBİYOLOJİK TANISI, Associate Degree, 2014 - 2015

Mikrobiyoloji Laboratuvarlarında Güvenlik, Associate Degree, 2014 - 2015

Probleme dayalı, Undergraduate, 2014 - 2015

Genital sistem enfeksiyonlarının tanısı, Associate Degree, 2014 - 2015

Bakteriyofajlar, Undergraduate, 2014 - 2015

KANIN MİKROBİYOLOJİK İNCELENMESİ, Associate Degree, 2014 - 2015

Virüs genetiği, Undergraduate, 2014 - 2015

ALT SOLUNUM YOLLARI ENFEKSİYONLARININ MİKROBİYOLOJİK TANISI, Associate Degree, 2014 - 2015

Advising Theses

ŞAHİN F., Δ Np63 β geninin T98G hücreleri üzerindeki fenotipik ve genotipik özelliklerinin araştırılması, Doctorate, B.TÜREGÜN(Student), 2015

ŞAHİN F., Klinik örneklerden izole edilen Staphylococcus aureus suşlarından elde edilen bakteriyofajlarda bulunan SCIN, CHIPS, SEI, SEK toksin genlerinin varlığının PZR ve southern blot yöntemi ile kıyaslanması, Postgraduate, Z.BURÇİN(Student), 2012

ŞAHİN F., Klinik örneklerden izole edilen A. baumannii suşlarında antibiyotik direncinde rol oynayan integronların varlığı ve tiplendirilmesi, Expertise In Medicine, N.ERTEKİN(Student), 2012

ŞAHİN F., Gen susturulmasında plazimit-siRNA ve lentivirüs-siRNA temelli sistemlerin etkinliklerinin karşılaştırılması, Postgraduate, S.ZAFER(Student), 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effect of Δ Np63 β on cell cycle and apoptosis in T98G cells**
Türegün Atasoy B., ŞAHİN F.
Turkish Journal of Medical Sciences, vol.54, no.6, pp.1355-1368, 2024 (SCI-Expanded)
- II. **IDENTIFICATION OF VIRULENCE GENES CARRIED BY BACTERIOPHAGES OBTAINED FROM CLINICALLY ISOLATED METHICILLIN-RESISTANT *STAPHYLOCOCCUS AUREUS***
Karasartova D., Cavusoglu Z. B., Turegun B., Ozsan M. T., ŞAHİN F.
ACTA MICROBIOLOGICA ET IMMUNOLOGICA HUNGARICA, no.4, pp.433-447, 2016 (SCI-Expanded)
- III. **A New Method for The Disruption of Cell Walls of Gram-Positive Bacteria and Mycobacteria On The Point of Nucleic Acid Extraction: Sand Method**
ŞAHİN F., KIYAN M., Karasartova D., ÇALGIN M. K., Akhter S., Turegun Atasoy B.
MIKROBIYOLOJİ BULTENİ, vol.50, no.1, pp.34-43, 2016 (SCI-Expanded)
- IV. **Determination of virulence and multidrug resistance genes with polymerase chain reaction method in vancomycin-sensitive and -resistant enterococci isolated from clinical samples**
Saba Copur S., ŞAHİN F., Gocmen J. S.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.46, no.3, pp.877-891, 2016 (SCI-Expanded)
- V. **Molecular Characterization of Salmonella enterica Serovar Typhimurium Strains Isolated from Humans in Turkey**
DOLAPÇI G. İ., TEKELİ F. A., ŞAHİN F., Erdem B.
MIKROBIYOLOJİ BULTENİ, vol.49, no.4, pp.502-512, 2015 (SCI-Expanded)
- VI. **Investigation of Seven Different RNA Viruses Associated with Gastroenteritis in Children Under Five Years Old**
Akhter S., Turegun B., KIYAN M., GERÇEKER D., Guriz H., ŞAHİN F.
MIKROBIYOLOJİ BULTENİ, vol.48, no.2, pp.233-241, 2014 (SCI-Expanded)
- VII. **Identification of Malassezia Species from Pityriasis Versicolor Lesions with a New Multiplex PCR Method**
Vuran E., KARAARSLAN A., Karasartova D., Turegun B., ŞAHİN F.
MYCOPATHOLOGIA, vol.177, no.1-2, pp.41-49, 2014 (SCI-Expanded)
- VIII. **HHV-6 is ubiquitously found using Western blot in tonsils and adenoid tissues of healthy people**
Taşpınar M., Cetin N., GERÇEKER D., Karasartova D., Turegun B., Ozturk S., ŞAHİN F.
NEW MICROBIOLOGICA, vol.36, no.3, pp.251-256, 2013 (SCI-Expanded)
- IX. **Expression analysis of efflux pump genes among drug-susceptible and multidrug-resistant Mycobacterium tuberculosis clinical isolates and reference strains**
Calgin M. K., ŞAHİN F., Turegun B., GERÇEKER D., Atasever M., KÖKSAL D., Karasartova D., KIYAN M.

DIAGNOSTIC MICROBIOLOGY AND INFECTIOUS DISEASE, vol.76, no.3, pp.291-297, 2013 (SCI-Expanded)

- X. **Complications of therapeutic apheresis in children**
Kara A., Turgut S., Cagli A., ŞAHİN F., Oran E., Tunc B.
TRANSFUSION AND APHERESIS SCIENCE, vol.48, no.3, pp.375-376, 2013 (SCI-Expanded)
- XI. **Identification of methicillin-resistant Staphylococcus aureus carrying an exfoliative toxin A gene encoding phage isolated from a hospitalized patient in Turkey**
ŞAHİN F., Karasartova D., ÖZSAN T. M., KIYAN M., Karahan C. Z., TEKELİ F. A.
CANADIAN JOURNAL OF MICROBIOLOGY, vol.59, no.4, pp.260-265, 2013 (SCI-Expanded)
- XII. **Characterization of Shigella Strains Isolated in Ankara, Turkey by Antimicrobial Resistance Models, Plasmid Profile Analysis and Pulsed-Field Gel Electrophoresis**
Saran B., Erdem B., TEKELİ F. A., ŞAHİN F., Aysev A. D.
MIKROBIYOLOJİ BULTENİ, vol.47, no.1, pp.35-48, 2013 (SCI-Expanded)
- XIII. **Identification of a Novel Lytic Bacteriophage Obtained from Clinical MRSA Isolates and Evaluation of Its Antibacterial Activity**
ŞAHİN F., Karasartova D., ÖZSAN T. M., GERÇEKER D., KIYAN M.
MIKROBIYOLOJİ BULTENİ, vol.47, no.1, pp.27-34, 2013 (SCI-Expanded)
- XIV. **Investigation of Salmonella Serotype Enteritidis Isolates By Plasmid Profile Analysis and Pulsed Field Gel Electrophoresis**
US E., Erdem B., TEKELİ F. A., GERÇEKER D., Saran B., Bayramova M., ŞAHİN F.
MIKROBIYOLOJİ BULTENİ, vol.45, no.2, pp.210-227, 2011 (SCI-Expanded)
- XV. **Disruption of p16 and activation of kras in pancreas increase ductal adenocarcinoma formation and metastasis in vivo**
Qiu W., Sahin F., Iacobuzio-Donahue C. A., Garcia-Carracedo D., Wang W. M., Kuo C., Chen D., Arking D. E., Lowy A. M., Hruban R. H., et al.
Oncotarget, vol.2, no.11, pp.862-873, 2011 (SCI-Expanded)
- XVI. **Molecular analyses of Salmonella serotype Typhi and Salmonella serotype Paratyphi B strains isolated in Turkey**
DOLAPÇI G. İ., Erdem B., TEKELİ F. A., US E., Bayramova M., Saran B., ŞAHİN F.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.40, no.3, pp.447-458, 2010 (SCI-Expanded)
- XVII. **Antibacterial oil-based polyurethane films for wound dressing applications**
Yücedag F., Oral Ç., Erkal S., Sirkecioğlu A., Karasartova D., ŞAHİN F., Tantekin-Ersolmaz B., Güner F. S.
Journal of Applied Polymer Science, vol.115, no.3, pp.1347-1357, 2010 (SCI-Expanded)
- XVIII. **The role of chlamydia pneumoniae and mycoplasma pneumoniae in the etiology of otitis media with effusion**
GERÇEKER D., Tezcaner C. Z., ŞAHİN F., Saran B., Yenice S., Saatci M. R.
Journal of International Advanced Otolaryngology, vol.6, no.2, pp.263-268, 2010 (SCI-Expanded)
- XIX. **MOLECULAR EPIDEMIOLOGY OF CARBAPENEM-RESISTANT KLEBSIELLA PNEUMONIAE STRAINS ISOLATED BETWEEN 2004-2007 IN ANKARA UNIVERSITY HOSPITAL, TURKEY**
US E., TEKELİ F. A., Akan O. A., DOLAPÇI G. İ., ŞAHİN F., KARAHAN Z. C.
MIKROBIYOLOJİ BULTENİ, vol.44, no.1, pp.1-10, 2010 (SCI-Expanded)
- XX. **E2F-1 binding affinity for pRB is not the only determinant of the E2F-1 activity**
Sahin F., Sladek T. L.
International Journal of Biological Sciences, vol.6, no.4, pp.382-395, 2010 (SCI-Expanded)
- XXI. **E2F-1 has dual roles depending on the cell cycle**
Sahin F., Sladek T. L.
International Journal of Biological Sciences, vol.6, no.2, pp.116-128, 2010 (SCI-Expanded)
- XXII. **Molecular Investigation of Salmonella Choleraesuis and Salmonella Hadar Strains Isolated from Humans in Turkey**
US E., Erdem B., TEKELİ F. A., DOLAPÇI G. İ., Bayramova M., Saran B., ŞAHİN F.
JAPANESE JOURNAL OF INFECTIOUS DISEASES, vol.62, no.5, pp.362-367, 2009 (SCI-Expanded)
- XXIII. **A new, simple, rapid test for detection of DNase activity of microorganisms: DNase Tube test**

- GERÇEKER D., Karasartova D., Elyurek E., Barkar S., KIYAN M., ÖZSAN T. M., Calgin M. K., ŞAHİN F.
JOURNAL OF GENERAL AND APPLIED MICROBIOLOGY, vol.55, no.4, pp.291-294, 2009 (SCI-Expanded)
- XXIV. **Fatty acid-based polyurethane films for wound dressing applications**
Gultekin G., Oral Ç., Erkal S., ŞAHİN F., Karastova D., Tantekin-Ersolmaz S. B., Güner F. S.
Journal of Materials Science: Materials in Medicine, vol.20, no.1, pp.421-431, 2009 (SCI-Expanded)
- XXV. **A novel Salmonella Typhimurium plasmid, pAnkS: An example for plasmid evolution in antibiotic resistance**
ŞAHİN F., Karasartova D., GERÇEKER D., Aysev A. D., Erdem B.
MİKROBİYOLOJİ BULTENİ, vol.42, no.3, pp.383-388, 2008 (SCI-Expanded)
- XXVI. **Molecular pathogenesis of pancreatic cancer: Review**
ŞAHİN F., Taspınar M., SUNGUROĞLU A.
TURKIYE KLİNİKLERİ TIP BİLİMLERİ DERGİSİ, vol.27, no.4, pp.560-566, 2007 (SCI-Expanded)
- XXVII. **Investigation of the role of ribonuclease L gene in the response of tonsil tissues against viral infections Tonsil dokusunun viral enfeksiyonlara karşı yanıtında ribonükleaz L geninin rolünün araştırılması**
ŞAHİN F., Taşpınar M., Karasartova D., ÖZKUL A., GERÇEKER D.
Mikrobiyoloji Bulteni, vol.40, no.4, pp.307-315, 2006 (SCI-Expanded)
- XXVIII. **mTOR and P70S6 kinase expression in primary liver neoplasms**
ŞAHİN F., Kannangai R., Adegbola O., Wang J., Su G., Torbenson M.
CLINICAL CANCER RESEARCH, vol.10, no.24, pp.8421-8425, 2004 (SCI-Expanded)
- XXIX. **Determination of primary resistance of Helicobacter pylori isolates to clarithromycin and amoxicillin by disc diffusion method and the comparison with resistance in recurrent cases Disk diffüzyon yöntemi ile Helicobacter pylori klinik izolatlarında amoksisiline ve klaritromisine karşı primer duyarlılığın araştırılması ve tedavi sonrası muhtemel duyarlılık değişikliğinin incelenmesi**
Palabiyikoglu M., ŞAHİN F., Ozden A., Uzunalimoglu O.
Turkish Journal of Gastroenterology, vol.8, no.3, pp.309-312, 1997 (SCI-Expanded)

Articles Published in Other Journals

- I. **Characterization of Phage Obtained from Methicillin -Resistant Staphylococcus aureus (MRSA)**
Ulusan Bağcı Ö., Şahin F., Kıyan M.
Türk Mikrobiyoloji Cemiyeti Dergisi, vol.51, no.2, pp.156-162, 2021 (Peer-Reviewed Journal)
- II. **The Roles of Efflux Systems in Extensively Drug-Resistant Mycobacterium Tuberculosis**
ŞAHİN F., KIYAN M.
Turkish Journal of Molecular and Biology Biotechnology, vol.2, no.2, 2017 (Peer-Reviewed Journal)
- III. **pANKS2, a New Plasmid of Salmonella typhimurium and the Pathway of Plasmid Evolution for Antibiotic Resistance**
Atasoy B., TAŞPINAR M., GERÇEKER D., Aysev D., Erdem B., ŞAHİN F.
Turkish Journal of Molecular and Biology Biotechnology, vol.2, no.2, pp.47-54, 2017 (Peer-Reviewed Journal)
- IV. **Leptin does not act on proliferation but increases the expression of cell immunity-related genes MX-1, MX-2 and IFI-27 in glioblastoma cell line T98G. Does leptin protect the cell from a viral intruder?**
Atasoy Türegün B., KIYAN M., Toptaş C., ERGÜN A., Şekeroğlu E., Sarımaden E., Akhter S., ŞAHİN F.
Turkish Journal of Molecular Biology Biotechnology, vol.2, no.1, pp.1-9, 2017 (Peer-Reviewed Journal)
- V. **DNA extraction from the most difficult microorganisms including Mycobacterium Staphylococcus and Malassezia in five minutes using sand**
Atasoy B., KIYAN M., KARAARSLAN A., ŞAHİN F.
Turkish Journal of Molecular Biology Biotechnology, vol.1, no.2, pp.41-47, 2016 (Peer-Reviewed Journal)
- VI. **Using Sand Particles for the Disruption of Cell Walls of Gram Positive Bacteria and Mycobacteria**
ŞAHİN F.
Journal of Bacteriology & Parasitology, 2016 (Peer-Reviewed Journal)

- VII. **Eyelid and conjunctival bacterial flora and antibiotic resistance patterns of acne rosacea with ocular involvement**
Sahin O. G., GERÇEKER D., ŞAHİN F., Ozdemir E., ÖZSAN T. M.
Asian Journal of Ophthalmology, vol.9, no.3, pp.122-124, 2007 (Scopus)
- VIII. **Türkiye de izole edilen Salmonella enterica Serotip Typhi suşlarının plazmit profilleri RAPD Randomly Amplified Polymorphic DNA ve RFLP Restriction Fragment Length Polymorphism yöntemleri ile incelenmesi**
ERDEM B., DOLAPÇI G. İ., TEKELİ F. A., ŞAHİN F.
Moleküler Tanı Dergisi, vol.3, no.2, pp.13-20, 2007 (Peer-Reviewed Journal)
- IX. **Türkiye’de izole edilen Salmonella enterica serotip Typhimurium suşlarının plazmit profilleri ve Radomly Amplified Poymorphic DNA (RAPD) analizi**
ERDEM B., TEKELİ F. A., ŞAHİN F.
İnfeksiyon Dergisi, vol.21, pp.105-115, 2007 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Kronik adenotonsillitli olgularda Chlamydia pneumoniae'nın çeşitli yöntemlerle araştırılması**
GENÇ Ö., GERÇEKER D., ŞAHİN F., RAHMİ SAATÇI M., TEZCANER Z. Ç., DİZBAY SAK S., ÖZTÜRK S.
VII. Ulusal Biyoloji ve Biyoteknoloji Kongresi, Turkey, 2 - 05 July 2018, vol.2, pp.9-16
- II. **Western blot an alternative to the plaque reduction assay for in vitro determination of HSV susceptibility to acyclovir**
Türegün B., Akhter S., Yari Bostanabad S., ŞAHİN F.
ECCMID, 25 - 28 April 2015
- III. **Effect of Surgery type on Tumor Growth**
Esen E., Ersöz Ş., Geçim İ. E., Şahin F., Kavak Ö., Ertek M., Filik M., Elhan A. H.
. Scientific Session of the Society of American Gastrointestinal and Endoscopic Surgeons (SAGES), Tennessee, United States Of America, 15 - 18 April 2015, vol.29, pp.410
- IV. **Role of hypoxia inducible factor in cytokine secretion responses to cadmium of rat alveolar macrophages in normoxic and hypoxic conditions**
YAZIHAN N., ŞAHİN F., KAÇAR KOÇAK M., AKÇIL İ. E.
Joint meeting of FEPS and the Hungarian Physiological Society, 2014, 27 - 30 August 2014
- V. **Cytotoxicity of a Self-Adhesive Resin Luting Cement with L-929 Fibroblast Cell Line**
HASANREİSOĞLU U., ÜÇTAŞLI S., OĞUZ E. İ., ŞAHİN F., KIYAN M.
101st FDI Annual World Dental Congress, İstanbul, Turkey, 28 - 31 August 2013, vol.63, pp.15-16
- VI. **Molecular characterization of Salmonella serotype Typhimurium strains isolated in Turkey by plasmid profiles and pulsed field gel electrophoresis**
DOLAPÇI G. İ., ERDEM B., TEKELİ F. A., SARAN GÜLCEN N. B., KESKİN H., ŞAHİN F.
The 4th Eurasia Congress of Infectious Diseases, Saraybosna, Bosnia And Herzegovina, 1 - 05 June 2011
- VII. **Effüzyonlu Otitis Media Etiyolojisinde Chlamydia Pneumoniae nin Yeri**
TEZCANER Z. Ç., SAATÇI M. R., GERÇEKER M., ŞAHİN F., BETON S., MEÇO C.
8.Uluslararası Kulak Burun Boğaz Baş ve Boyun Cerrahisi Kongresi, 15 - 17 May 2008
- VIII. **Randomly amplified polymorphic DNA and plasmid profile analysis of ACSSuT-R Type Salmonella enterica serotype typhimurium isolated in Turkey**
ERDEM B., TEKELİ F. A., ŞAHİN F., KOYUNCU E., BAYRAMOVA M.
12th International Congress on Infectious Disease, 15 - 18 July 2006
- IX. **Molecular analysis of drug-susceptible isolates from outbreak and sporadic cases of Salmonella enterica serotype enteritidis in Turkey**
TEKELİ F. A., ERDEM B., ŞAHİN F., KOYUNCU E., KARASARTOVA D.
12th International Congress on Infectious Disease, June 15-18, 15 - 18 July 2006
- X. **Analysis of Salmonella serotype Typhi strains isolated in Turkey by plasmid profile, Randomly**

amplified polymorphic DNA and restriction fragment length polymorphism methods

ERDEM B., DOLAPÇI G. İ., TEKELİ F. A., ŞAHİN F.

12th International Congress on Infectious Disease, 15 - 18 July 2006

XI. Aetiological role of Chlamydia pneumoniae in chronic adenotonsillitis

GERÇEKER D., GENÇ Ö., ŞAHİN F., Saatçi M., BÜYÜKATALAY Z. Ç., SAK S., Öztürk S.

16th European Congress of Clinical Microbiology and Infectious Diseases, 1 - 04 April 2006

Expert Reports

- I. **Bazı İnsan Adenoviruslarının Obezite ile İlişkinin İn vitro Olarak Araştırılması ve Bu Viruslara ait Adipojenik ve İmmünolojik Profillerin Belirlenmesi**
ŞAHİN F.
2015
- II. **Herpes Simpleks Virüs 1 ile Enfekte Makrofaj THP 1 Hücrelerinde Mikro RNA ların Makrofaj Polarizasyonuna Sitokin Yanıtına ve Virüs Replikasyonuna Etkisi**
ŞAHİN F.
2015
- III. **NÜKLEİK ASİT TEMELLİ TERAPÖTİK HEPATİT B AŞISI NUCLEIC ACID BASED THERAPEUTIC HEPATITIS B VACCINE**
ŞAHİN F.
2015
- IV. **HIV Hepatit B Hepatit C ve Treponema pallidum enfeksiyonlarının neopterin düzeyi ile ilişkisi**
ŞAHİN F.
2015
- V. **Investigation of Human Induced Pluripotent Stem Cell Derived Hepatocytes Permissivity for Improved HCV infection and Replication for RIG I Ligand 3pRNA Superior Antiviral Perspectives**
ŞAHİN F.
2015
- VI. **Uriner Sistem Enfeksiyonu Etkeni Olan Escherchia Coli İzolatlarında St131 Sekans Tipinin Ve Alt Klonlarının Belirlenmesi**
ŞAHİN F.
2015
- VII. **Scientific Reports**
ŞAHİN F.
2015

Metrics

Publication: 59

Citation (WoS): 444

Citation (Scopus): 319

H-Index (WoS): 8

H-Index (Scopus): 9