

## Prof. MURAT SAYAN

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Dokuz Eylul University, Sağlık Bilimleri Enstitüsü, Mikrobiyoloji (Dr), Turkey 1992 - 1997

### Foreign Languages

German, B2 Upper Intermediate

### Dissertations

Doctorate, Aşılı Bireylerde Serkonversiyonu İzlemek Amacıyla Influenza Virus Aşısı Kullanılarak ELISA Yönteminin Geliştirilmesi, Dokuz Eylül Üniversitesi, Sağlık Bilimleri Enstitüsü, Mikrobiyoloji (Dr), 1997

### Research Areas

Medicine, Fundamental Medical Sciences, Microbiology and Clinical Microbiology, Virology

### Academic Titles / Tasks

Professor, Kocaeli University, Kocaeli Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler, 2005 - Continues

### Advising Theses

Sayan M., Molecular epidemiology of Hepatitis B virus in the Middle East and North Africa, Turkey, Northern Cyprus: Mapping inter-country spread of the virus , Doctorate, R.Al(Student), 2022

Sayan M., Molecular Epidemiology of Hepatitis B Virus in Turkish Cypriot, Doctorate, Ü.Sümer(Student), 2021

Sayan M., Sero-prevalence of anti-SARS-CoV-2 antibodies among different age groups in symptomatic population of

province Punjab, Pakistan, Postgraduate, A.Abbas(Student), 2021

Sayan M., COVID-19 Northern Cyprus as A Good Model to prevent Spread of the Diseases, Doctorate, N.Sultanoğlu(Student), 2021

Sayan M., Hepatit B virüsü ile infekte hepatoselular karsinoma tanısı konulmuş hastalarda belirteç olarak mikrorna'ların değerlendirilmesi, Doctorate, R.Demirgan(Student), 2019

KALENDER GÖNÜLLÜ B., SAYAN M., YOĞUN BAKIM HASTALARINDA AKUT BÖBREK HASARI ERKEN TANIDA VE TERAPÖTİK HEDEFLERDE mikrorna 21 VE mikrorna 127 EKSPRESYON PROFİLLERİNİN İLİŞKİLENDİRİLMESİ, Expertise In Medicine, S.İŞİK(Student), 2017

## Jury Memberships

Associate Professor Exam, Associate Professor Exam, Kocaeli Üniversitesi, December, 2023

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Kocaeli Üniversitesi, August, 2023

Doctorate, Doctorate, Kocaeli Üniversitesi, June, 2023

Associate Professor Exam, Associate Professor Exam, Kocaeli Üniversitesi, May, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Kocaeli Üniversitesi, April, 2023

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

- I. **Comparative performance evaluation of random access and real-time PCR techniques in the diagnosis of BK virus infections in transplant patients**  
Sanlidag E., Arikan A., SAYAN M.  
Indian Journal of Medical Microbiology, vol.51, 2024 (SCI-Expanded)
- II. **Molecular Epidemiology of HIV-1 Subtypes and Primary Antiretroviral Resistance Profiles in Northern Cyprus: First Data Series**  
Guler E., Arikan A., Sultanoglu N., Suer K., Sanlidag T., SAYAN M.  
AIDS RESEARCH AND HUMAN RETROVIRUSES, vol.40, no.6, pp.393-400, 2024 (SCI-Expanded)
- III. **Acute hepatitis B outbreak in a nursing home for the disabled in Türkiye**  
ŞAHİN A. M., SAYAN M., Cetin S., Telli E., Ugur M., Aydin E., Senel I., Ozek U., YETKİN M. A.  
EASTERN MEDITERRANEAN HEALTH JOURNAL, vol.30, no.4, pp.292-299, 2024 (SCI-Expanded)
- IV. **In Silico Evaluation of SARS-CoV-2 K417N, L452R, and E484K Detection Assays Against Omicron Variants**  
SAYAN M., Arikan A., Isbilen M.  
The new microbiologica, vol.46, no.2, pp.133-140, 2023 (SCI-Expanded)
- V. **Molecular Epidemiology of SARS-CoV-2 Omicron Sub-Lineages Isolated from Turkish Patients Infected with COVID-19**  
SAYAN M., Arikan A., Sanlidag E.  
Viruses, vol.15, no.5, 2023 (SCI-Expanded)
- VI. **Investigation of Brucella canis and Brucella abortus Seropositivity by In-House Rapid Slide Agglutination Test and In-House ELISA in Northern Cyprus**  
Süer K., Güvenir M., Aykaç A., Güler E., Sayan M., Şanlıdağ T., Erdenliğ Gürbilek S.  
The Tohoku journal of experimental medicine, vol.259, no.4, pp.319-326, 2023 (SCI-Expanded)
- VII. **Evaluation of lateral flow and ELISA techniques for detecting IgG and IgM antibodies in COVID-19 cases in Türkiye**  
Arikan A., Doluca O., AKHAN S., Sanlidag T., SAYAN M.  
EASTERN MEDITERRANEAN HEALTH JOURNAL, vol.29, no.2, pp.91-99, 2023 (SCI-Expanded)
- VIII. **Dynamics of Rilpivirine Resistance-Associated Mutation: E138 in Reverse Transcriptase among**

**Antiretroviral-Naive HIV-1-Infected Individuals in Turkey**

SAYAN M., Sultanoglu N., Sanlidag T.

AIDS RESEARCH AND HUMAN RETROVIRUSES, vol.39, no.2, pp.84-90, 2023 (SCI-Expanded)

- IX. **Fuzzy-Based PROMETHEE Method for Performance Ranking of SARS-CoV-2 IgM Antibody Tests**  
Arikan A., Sanlidag T., SAYAN M., Uzun B., Uzun Ozsahin D.  
DIAGNOSTICS, vol.12, no.11, 2022 (SCI-Expanded)
- X. **Analysis of ACE2 and TMPRSS2 coding variants as a risk factor for SARS-CoV-2 from 946 whole-exome sequencing data in the Turkish population**  
DUMAN N., Tuncel G., BİŞGİN A., TUĞ BOZDOĞAN S., ÖZEMRİ SAĞ Ş., Gul S., Kiraz A., Balta B., Erdogan M., Uyanik B., et al.  
JOURNAL OF MEDICAL VIROLOGY, vol.94, no.11, pp.5225-5243, 2022 (SCI-Expanded)
- XI. **Investigation of SARS-CoV-2 Variants and Their Effect on SARS-CoV-2 Monoclonal Antibodies, Convalescent and Vaccine Plasma by a NovelWeb Tool**  
Arikan A., SAYAN M.  
DIAGNOSTICS, vol.12, no.11, 2022 (SCI-Expanded)
- XII. **Circulating Dynamics of SARS-CoV-2 Variants between April 2021 and February 2022 in Turkey**  
SAYAN M., Arikan A., Isbilen M.  
CANADIAN JOURNAL OF INFECTIOUS DISEASES & MEDICAL MICROBIOLOGY, vol.2022, 2022 (SCI-Expanded)
- XIII. **Detection of SARS-CoV-2 N501Y mutation among SARS-CoV-2 variants of concern circulating in Northern Cyprus**  
Tuncel G., Ergoren M. C., Baddal B., Tulay P., Ozverel C. S., Guler E., Suer H. K., Sayan M., Sanlidag T.  
FUTURE VIROLOGY, vol.17, pp.523-528, 2022 (SCI-Expanded)
- XIV. **Characteristics of hepatitis C virus resistance in an international cohort after a decade of direct-acting antivirals**  
Howe A. Y. M., Rodrigo C., Cunningham E. B., Douglas M. W., Dietz J., Grebely J., Popping S., Sfacin J. A., Parczewski M., Sarrazin C., et al.  
JHEP REPORTS, vol.4, no.5, 2022 (SCI-Expanded)
- XV. **CCR5-?32 gene variant frequency in the Nigerian and Zimbabwean populations living in North Cyprus**  
Ndikom B. C., Ergoren M. C., Sayan M., Mocan G., FAHRİOĞLU U.  
AFRICAN HEALTH SCIENCES, vol.22, no.1, pp.361-366, 2022 (SCI-Expanded)
- XVI. **Variant analysis of SARS-CoV-2 strains with phylogenetic analysis and the Coronavirus Antiviral and Resistance Database**  
SAYAN M., Arikan A., Isbilen M.  
JOURNAL OF COMPARATIVE EFFECTIVENESS RESEARCH, vol.11, pp.157-167, 2022 (SCI-Expanded)
- XVII. **The pediatric asymptomatic SARS-CoV-2 IgG seropositivity in the Turkish Republic of Northern Cyprus**  
Gazi U., Sarioglu A. A., Ruh E., Sanlidag B., DALKAN C., Beyitler I., Suer K., Cakir N., Sayan M., Sanlidag T.  
TURKISH JOURNAL OF PEDIATRICS, vol.64, no.1, pp.179-185, 2022 (SCI-Expanded)
- XVIII. **The European Prevalence of Resistance Associated Substitutions among Direct Acting Antiviral Failures**  
Popping S., Cento V., Seguin-Devaux C., Boucher C. A. B., de Salazar A., Heger E., Mor O., SAYAN M., Salmon-Ceron D., Weis N., et al.  
VIRUSES-BASEL, vol.14, no.1, 2022 (SCI-Expanded)
- XIX. **Integrase Strand Transfer Inhibitor (INSTI) Genotypic Resistance Analysis in Treatment-Naive, INSTI Free Antiretroviral-Experienced and INSTI-Experienced Turkish Patients Infected with HIV-1**  
SAYAN M., Yildirim F. S., AKHAN S., Karaoglan I., AKALIN E. H.  
CURRENT HIV RESEARCH, vol.20, no.2, pp.184-192, 2022 (SCI-Expanded)
- XX. **Variable Proportions of Phylogenetic Clustering and Low Levels of Antiviral Drug Resistance among the Major HBV Sub-Genotypes in the Middle East and North Africa**  
Athamneh R. Y., Arikan A., Sayan M., Mahafzah A., Sallam M.

PATHOGENS, vol.10, no.10, 2021 (SCI-Expanded)

- XXI. **Genetic characterisation of antibiotic resistance transposons Tn6608 and Tn6609 isolated from clinical Pseudomonas strains in Cyprus**  
Rajabal V., Taner F., Sanlidag T., Suer K., Guler E., Sayan M., Petrovski S.  
JOURNAL OF GLOBAL ANTIMICROBIAL RESISTANCE, vol.26, pp.330-334, 2021 (SCI-Expanded)
- XXII. **A novel method for conserved sequence extraction with prospective mutation prediction for SARS-CoV-2 PCR primer design**  
Portakal S. H., Kanat B., SAYAN M., Berber B., Doluca O.  
JOURNAL OF VIROLOGICAL METHODS, vol.293, 2021 (SCI-Expanded)
- XXIII. **A Binomial Model Approach: Comparing the R-0 Values of SARS-CoV-2 rRT-PCR Data from Laboratories across Northern Cyprus**  
Sultanoglu N., Gokbulut N., Sanlidag T., Hincal E., Kaymakamzade B., Sayan M.  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, vol.128, no.2, pp.717-729, 2021 (SCI-Expanded)
- XXIV. **Comparative Evaluation of the Treatment of COVID-19 with Multicriteria Decision-Making Techniques**  
Yildirim F. S., SAYAN M., Sanlidag T., Uzun B., Ozsahin D. U., Ozsahin I.  
JOURNAL OF HEALTHCARE ENGINEERING, vol.2021, 2021 (SCI-Expanded)
- XXV. **NeuMoDx random access molecular diagnostic system for detection and quantification of hepatitis B virus in clinical samples**  
Arikan A., SAYAN M., Doluca O.  
JOURNAL OF INFECTION IN DEVELOPING COUNTRIES, vol.14, no.10, pp.1197-1203, 2020 (SCI-Expanded)
- XXVI. **Capacity Evaluation of Diagnostic Tests For COVID-19 Using Multicriteria Decision-Making Techniques**  
SAYAN M., Sarigul Yildirim F., Sanlidag T., Uzun B., Uzun Ozsahin D., Ozsahin I.  
COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, vol.2020, 2020 (SCI-Expanded)
- XXVII. **Investigation of compatibility of severe acute respiratory syndrome coronavirus 2 reverse transcriptase-PCR kits containing different gene targets during coronavirus disease 2019 pandemic**  
Sarigul F., Doluca O., AKHAN S., SAYAN M.  
FUTURE VIROLOGY, vol.15, no.8, pp.515-524, 2020 (SCI-Expanded)
- XXVIII. **NS5A resistance - associated substitutions in chronic hepatitis C patients with direct acting antiviral treatment failure in Turkey**  
SAYAN M., Yildirim F. S., AKHAN S., YILDIRIM A. A., ŞİRİN G., Cabalak M., DEMİR M., Can S., ERSÖZ G., ALTINTAŞ E., et al.  
INTERNATIONAL JOURNAL OF INFECTIOUS DISEASES, vol.95, pp.84-89, 2020 (SCI-Expanded)
- XXIX. **Molecular Identification of HIV-1 in the Presence of Hepatitis B Virus and Hepatitis C Virus Co-infections**  
SAYAN M., Ozguler M., Yildirim F. S., Yildirmak T., Gunduz A., Dokuzoguz B., ÇELEN M. K., İNAN D., HEPER Y., ERSÖZ G., et al.  
BALKAN MEDICAL JOURNAL, vol.37, no.3, pp.125-130, 2020 (SCI-Expanded)
- XXX. **A chronic hepatitis B patient infected with HBsAg diagnostic-escape strain in the presence of anti-HBs positivity**  
Aydemir S., Yildirmak M. T., SAYAN M., Atak S., Kucuk M.  
REVISTA ROMANA DE MEDICINA DE LABORATOR, vol.27, no.4, pp.421-426, 2019 (SCI-Expanded)
- XXXI. **Postmortem Molecular Epidemiology of HIV-1 Strains Isolated in Turkey**  
Ziyade N., SAYAN M., Elgormus N., Buyuk Y.  
MIKROBIYOLOJİ BÜLTENİ, vol.53, no.4, pp.374-387, 2019 (SCI-Expanded)
- XXXII. **CURRENT STATUS OF HIV/AIDS-SYPHILIS CO-INFECTIONS: A RETROSPECTIVE MULTICENTRE STUDY**  
Sargul F., SAYAN M., İNAN D., DEVECİ A., Ceran N., ÇELEN M. K., Cagatay A., Ozdemir H. O., KUŞÇU F., Karagoz G., et al.  
CENTRAL EUROPEAN JOURNAL OF PUBLIC HEALTH, vol.27, no.3, pp.223-228, 2019 (SCI-Expanded)
- XXXIII. **HBV pol/S Gene Mutations in Chronic Hepatitis B Patients Receiving Nucleoside/Nucleotide**

## **Analogues Treatment**

KIRDAR S., YAŞA M. H., SAYAN M., AYDIN N.

MIKROBIYOLOJİ BULTENİ, vol.53, no.2, pp.144-155, 2019 (SCI-Expanded)

**XXXIV. Earlier Initiation of Antiretroviral Treatment Coincides With an Initial Control of the HIV-1 Subtype F1 Outbreak Among Men-Having-Sex-With-Men in Flanders, Belgium**

Vinken L., Fransen K., Cuypers L., Alexiev I., Balotta C., Debaisieux L., Seguin-Devaux C., Ribas S. G., Gomes P., Incardona F., et al.

FRONTIERS IN MICROBIOLOGY, vol.10, 2019 (SCI-Expanded)

**XXXV. Evaluation of Direct Acting Antivirals Efficiency in Turkish Patients with Chronic Hepatitis C Under Strict Rules**

Sarigul F., SAYAN M., User U., Oztoprak N.

HEPATITIS MONTHLY, vol.19, no.3, 2019 (SCI-Expanded)

**XXXVI. Molecular Epidemiology of Hepatitis B Virus in Turkish Cypriot**

Sumer U., SAYAN M.

POLISH JOURNAL OF MICROBIOLOGY, vol.68, no.4, pp.449-456, 2019 (SCI-Expanded)

**XXXVII. OVERLAPPING POL/S GENE ANALYSIS IN CHRONIC HEPATITIS B PATIENTS WITH COEXISTING HBSAG AND ANTI-HBs**

Suntur B. M., SAYAN M., Kaya H., Unal N.

ACTA MEDICA MEDITERRANEA, vol.35, no.6, pp.3113-3119, 2019 (SCI-Expanded)

**XXXVIII. Evaluation of the pol/S Gene Overlapping Mutations in Chronic Hepatitis B Patients in Northern Cyprus**

Arikan A., SAYAN M., Sanlidag T., Suer K., AKÇALI S., Guvenir M.

POLISH JOURNAL OF MICROBIOLOGY, vol.68, no.3, pp.317-322, 2019 (SCI-Expanded)

**XXXIX. Comparison of Performance Characteristics of DxN VERIS System versus Qiagen PCR for HBV Genotype D and HCV Genotype 1b Quantification**

SAYAN M., Arikan A., Sanlidag T.

POLISH JOURNAL OF MICROBIOLOGY, vol.68, no.1, pp.139-143, 2019 (SCI-Expanded)

**XL. Investigation of antiviral resistance and escape mutations in children with naive chronic hepatitis B patients and their parents**

Tokgoz Y., Terlemez S., SAYAN M., KIRDAR S.

TURKISH JOURNAL OF PEDIATRICS, vol.60, no.5, pp.514-519, 2018 (SCI-Expanded)

**XLI. Could resistant and escape variants of hepatitis B virus be a problem in the future?**

Ozguler M., SAYAN M.

FUTURE VIROLOGY, vol.13, no.3, pp.171-179, 2018 (SCI-Expanded)

**XLII. Molecular Characterization of Drug Resistance in Hepatitis B Viruses Isolated from Patients with Chronical Infection in Turkey**

Asan A., SAYAN M., AKHAN S., Koruk S. T., AYGEN B., SIRMATEL F., Eraksoy H., Tuna N., Kose S., Kaya A., et al.

HEPATITIS MONTHLY, vol.18, no.1, 2018 (SCI-Expanded)

**XLIII. Noninvasive Models to Predict Liver Fibrosis in Patients with Chronic Hepatitis B: A Study from Turkey**

Korkmaz P., DEMİRTÜRK N., Batirel A., Yardimci A. C., Cagir U., Nemli S. A., Korkmaz F., AKÇAM F. Z., BARUT H. Ş., Bayrak B., et al.

HEPATITIS MONTHLY, vol.17, no.12, 2017 (SCI-Expanded)

**XLIV. Determination of Drug Resistance Mutations of NS3 Inhibitors in Chronic Hepatitis C Patients Infected with Genotype 1**

ŞANLIDAĞ T., Sayan M., AKÇALI S., KASAP E., BURAN T., Arikan A.

MIKROBIYOLOJİ BULTENİ, vol.51, no.2, pp.145-155, 2017 (SCI-Expanded)

**XLV. Atypical Serological Profiles in Hepatitis B Infections: Investigation of S Gene Mutations in Cases with Concurrently Positive for HBsAg and Anti-HBs**

AYDIN N., KIRDAR S., Uzun N., EYİGÖR M., SAYAN M.

MIKROBIYOLOJİ BULTENİ, vol.50, no.4, pp.535-543, 2016 (SCI-Expanded)

- XLVI. **Protease Inhibitors Drug Resistance Mutations in Turkish Patients with Chronic Hepatitis C**  
Altunok E. S., SAYAN M., AKHAN S., AYGEN B., YILDIZ O., Koruk S. T., Mistik R., DEMİRTÜRK N., URAL O., Kose S., et al.  
INTERNATIONAL JOURNAL OF INFECTIOUS DISEASES, vol.50, pp.1-5, 2016 (SCI-Expanded)
- XLVII. **Epidemiological and molecular characteristics of meticillin-resistant Staphylococcus aureus in Turkey: A multicentre study**  
DÜNDAR D., Willke A., SAYAN M., Koc M. M., Akan O. A., Sumerkan B., Saltoglu N., YAMAN A., Ayaz C., Koksali I.  
JOURNAL OF GLOBAL ANTIMICROBIAL RESISTANCE, vol.6, pp.44-49, 2016 (SCI-Expanded)
- XLVIII. **Clinical outcomes in children with herpes simplex encephalitis receiving steroid therapy.**  
Maraş G., Uyur Y., Sayan M., Bayhan A., Öncel S., Arısoy E. S., Kara B.  
Journal of clinical virology : the official publication of the Pan American Society for Clinical Virology, vol.80, pp.87-92, 2016 (SCI-Expanded)
- XLIX. **HIV-1 Transmitted Drug Resistance Mutations in Newly Diagnosed Antiretroviral-Naive Patients in Turkey**  
SAYAN M., Sargin F., İNAN D., Sevgi D. Y., Celikbas A. K., Yasar K., Kaptan F., SAYIN KUTLU S., Fisgin N. T., İnci A., et al.  
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- L. **Molecular Epidemiology of Hepatitis B Virus in Northern Cyprus**  
Arikan A., ŞANLIDAĞ T., Suer K., Sayan M., AKÇALI S., Guler E.  
MIKROBIOLOJİ BÜLTENİ, vol.50, no.1, pp.86-93, 2016 (SCI-Expanded)
- LI. **Detection of human papillomavirus in esophageal and gastroesophageal junction tumors: A retrospective study by real-time polymerase chain reaction in an institutional experience from Turkey and review of literature**  
Turkay D. O., VURAL Ç., SAYAN M., Gurbuz Y.  
PATHOLOGY RESEARCH AND PRACTICE, vol.212, no.2, pp.77-82, 2016 (SCI-Expanded)
- LII. **Retreatment of Chronic Hepatitis C Infection with Telaprevir: Preliminary Results in Turkey**  
AYGEN B., YILDIZ O., AKHAN S., ÇELEN M. K., URAL O., Koruk S. T., Kose S., Korkmaz F., KURUÜZÜM Z., Tuna N., et al.  
BALKAN MEDICAL JOURNAL, vol.32, no.3, pp.266-272, 2015 (SCI-Expanded)
- LIII. **SEROPREVALENCE AND RISK FACTORS OF SYPHILIS AMONG HIV/AIDS PATIENTS IN ISTANBUL, TURKEY**  
Aydin O. A., Karaosmanoglu H. K., SAYAN M., Ince E. R., Nazlican O.  
CENTRAL EUROPEAN JOURNAL OF PUBLIC HEALTH, vol.23, no.1, pp.65-68, 2015 (SCI-Expanded)
- LIV. **A case of entecavir resistance which is developed after complete viral suppression during entecavir treatment for nucleoside-naive chronic hepatitis B**  
Dogan U. B., Ozturk A. B., Akin M. S., Yalaki S., SAYAN M.  
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.25, pp.206-209, 2014 (SCI-Expanded)
- LV. **Transmitted antiretroviral drug resistance mutations in newly diagnosed HIV-1 positive patients in Turkey**  
SAYAN M., Sargyn F., İNAN D., Sevgi D. Y., Celikbas A. K., Yasar K., Kaptan F., SAYIN KUTLU S., Fysgyn N. T., İnci A., et al.  
JOURNAL OF THE INTERNATIONAL AIDS SOCIETY, vol.17, pp.158-159, 2014 (SCI-Expanded)
- LVI. **Molecular epidemiology of HIV-1 strains in Antalya, Turkey**  
İNAN D., SAYAN M.  
JOURNAL OF THE INTERNATIONAL AIDS SOCIETY, vol.17, pp.126, 2014 (SCI-Expanded)
- LVII. **Hepatitis B Virus Genotype E Infection in Turkey: The Detection of the First Case**  
SAYAN M., ŞANLIDAĞ T., AKÇALI S., Arikan A.  
MIKROBIOLOJİ BÜLTENİ, vol.48, no.4, pp.683-688, 2014 (SCI-Expanded)
- LVIII. **Single Nucleotide Polymorphism Analysis of the rpoB Gene Region for Genotyping of Brucella melitensis Strains Isolated from Field in Turkey**  
SAYAN M., ERDENLİĞ GÜRBİLEK S.  
KAFKAS UNIVERSİTESİ VETERİNER FAKÜLTESİ DERGİSİ, vol.20, no.3, pp.411-415, 2014 (SCI-Expanded)
- LIX. **Molecular Characterization of Complex Recombinant HIV-1 CRF06\_cpx Subtype Detected in Turkey**

- SAYAN M., Kaptan F., Ormen B., Turker N.  
MIKROBIYOLOJİ BULTENİ, vol.48, no.1, pp.160-167, 2014 (SCI-Expanded)
- LX. **First Case of Hepatitis B Virus Genotype H Infection in Turkey**  
URAL O., SAYAN M., AKHAN S., SÜMER Ş., Simsek F.  
MIKROBIYOLOJİ BULTENİ, vol.47, no.3, pp.550-555, 2013 (SCI-Expanded)
- LXI. **APOBEC3 Hypermutations in HIV-1 Infected Cases in Turkey**  
SAYAN M., Simsek F., Ceran N., Dokuzocuz B., Eraksoy H.  
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- LXII. **HBV Vaccine Escape Mutations in a Chronic Hepatitis B Patient Treated with Nucleos(t)ide Analogues**  
SAYAN M., Bugdaci M. S.  
MIKROBIYOLOJİ BULTENİ, vol.47, no.3, pp.544-549, 2013 (SCI-Expanded)
- LXIII. **Investigation of adipogenic effects of human adenovirus serotypes 36 and 5 in a Colo-320 cell line**  
ŞANLIDAĞ T., AKÇALI S., Vatansever S., ÇİÇEK C., SAYAN M., Cakmakliogullari E. K., Sen P. T.  
FUTURE VIROLOGY, vol.8, no.6, pp.617-622, 2013 (SCI-Expanded)
- LXIV. **The First Detected HIV-1 Recombinant Strain in Turkey: CRF08\_BC**  
SAYAN M., KAYA S.  
MIKROBIYOLOJİ BULTENİ, vol.47, no.2, pp.339-345, 2013 (SCI-Expanded)
- LXV. **Molecular Epidemiological Analysis of HIV-1 pol Gene Sequences Isolated in Istanbul, Turkey**  
SAYAN M., Kumbasar Karaosmanoglu H., Mete B., Gunduz A., Aydin O., Yemisen M., Uzun N., Tabak F.  
MIKROBIYOLOJİ BULTENİ, vol.47, no.1, pp.87-97, 2013 (SCI-Expanded)
- LXVI. **Genotype/subgenotype distribution of hepatitis B virus among hemodialysis patients with chronic hepatitis B**  
SAYAN M., Dogan C.  
ANNALS OF HEPATOLOGY, vol.11, no.6, pp.849-854, 2012 (SCI-Expanded)
- LXVII. **Naturally Occurring Polymerase and Surface Gene Variants of Hepatitis B Virus in Turkish Hemodialysis Patients with Chronic Hepatitis B**  
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JAPANESE JOURNAL OF INFECTIOUS DISEASES, vol.65, no.6, pp.495-501, 2012 (SCI-Expanded)
- LXVIII. **Molecular Typing of Adenoviruses Isolated from Clinical Specimens by PCR and DNA Sequencing Methods**  
ÇİÇEK C., ŞANLIDAĞ T., AKÇALI S., SAYAN M., YALAZ M., METİN D. Y.  
MIKROBIYOLOJİ BULTENİ, vol.46, no.4, pp.607-613, 2012 (SCI-Expanded)
- LXIX. **Early Detection of Methicillin Resistance by Real-Time PCR in Staphylococci Isolated from Blood Cultures**  
Willke A., SAYAN M., Meric M., MUTLU B.  
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ŞENGÜL A., VURAL Ç., ARKAN S., ÖZER C., YAPRAK BAYRAK B., TAŞ A., SAYAN M.  
TÜRK TORAKS DERNEĞİ 18. YILLIK KONGRESİ, Turkey, 1 - 05 April 2015
- LXXIV. **Türkiye de HIV 1 ile Enfekte Hastalarda İntegraz İnhibitörleri İlaç Direnci Mutasyonları**  
SAYAN M., Willke A., Nuriye F., Asuman İ., Sargin F., Kadriye Y., Kaptan F., Funda Ş., İNAN D., KARAOĞLAN İ., et al.  
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- LXXV. **İnterlökin 28B genotiplerin göre kronik hepatit C li Türk hastaların Özellikleri ve pegile interferon**

**ile ribavirin kombinasyon tedavisine yanıtlar**

AYGEN B., AKHAN S., GÜNAL Ö., TAHERİ S., ZARARSIZ G., SAYAN M., rüstemoğlu a., YILDIZ O., Elif A.

Klimik 2015. XVII.Türk Klinik Mikrobiyoloji ve İnfeksiyon Hastalıkları Kongresi, Turkey, 25 - 29 March 2015

**LXXXVI. Akut ikterik hepatit B infeksiyonu gelişen HIV infeksiyonlu olguların değerlendirilmesi**

Arzu K., Çakmak P., Taner Y., Funda Ş., SAYAN M.

Klimik 2015. XVII.Türk Klinik Mikrobiyoloji ve İnfeksiyon Hastalıkları Kongresi, Antalya, Turkey, 25 - 29 March 2015

**LXXXVII. Kronik hepatit C tedavisinde telaprevir Kocaeli deneyimi**

Elif A., Aynur A., AKHAN S., SAYAN M.

Klimik 2015. XVII.Türk Klinik Mikrobiyoloji ve İnfeksiyon Hastalıkları Kongresi, Antalya, Turkey, 25 - 29 March 2015

**LXXXVIII. İnterlökin 28B genotiplerine göre kronik hepatit C li Türk hastaların özellikleri ve pegile interferon ile ribavirin kombinasyon tedavisine yanıtı**

AYGEN B., AKHAN S., GÜNAL Ö., TAHERİ S., ZARARSIZ G., SAYAN M., RÜSTEMOĞLU A., YILDIZ O., ALTUNOK E.

17.Türk Klinik Mikrobiyoloji ve İnfeksiyon Hastalıkları Kongresi, Antalya, 2015, Turkey, 25 - 29 March 2015

**LXXXIX. Gebelerde anti HIV pozitifliği yenidoğanda profilaksi gerektirir mi**

İnci A., SAYAN M., Şanlı K.

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**LXXX. Kronik Hepatit C Tedavisinde Antiviral Direnç ve Laboratuvar Tanısı**

SAYAN M.

Klimik 2015 Atölye, Antalya, Turkey, 25 - 29 March 2015

**LXXXI. Türkiye de Antiretroviral Direnç Problemi**

SAYAN M.

HIV tedavisinde Deneyim Paylaşımı ve Güncel Yaklaşımlar Toplantısı, Ankara, Turkey, 19 March 2015

**LXXXII. Spontaneous vaccine escape mutation in inactive hepatitis B carriers and its important**

aydın f., ŞENTÜRK Ö., SAYAN M., korkmaz u., YILMAZ H., ÖZTÜRKLER M., geçgel f., ÇELEBİ A., HÜLAGÜ S.

The 24th Conference of the Asian Pacific Association for the Study of Liver, 12 - 15 March 2015

**LXXXIII. The Examination of Mutations Created by Pegylated Interferon Alpha and Oral Antivirals Used in the Treatment of Chronic Hepatitis B on HBsAg Gene and Polymerase Gene**

Altunok E., AKHAN S., SAYAN M.

The 24th Conference Of The Asian Pacific Associaton For The Study of The Liver (APASL), 12 - 15 March 2015

**LXXXIV. Evaluation of Lamivudine for the Treatment of Chronic Hepatitis B Pre Report of Real Life Data From Turkey**

Türker N., Ari A., Örmən B., Necla T., Koruk S., Batrel A., Batrel A., SAYAN M., VHÇG K.

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**LXXXV. Succesful treatment with daclatasvir asunaprevir of a chronic hepatitis C virus genotype 1 infection after failure of pegylated interferon and ribavirin twice**

AKHAN S., Elif A., Çakıroğlu M., SAYAN M.

APASL 2016, 11 - 15 March 2015

**LXXXVI. Retreatment of Chronic Hepatitis C Infection with Telaprevir Preliminary Results in Turkey**

AYGEN B., SAYAN M., VHÇG K.

The 24th Conference of The Asian Pacific Associaton For The Study of The Liver (APASL), İstanbul, Turkey, 12 - 15 March 2015

**LXXXVII. Naturally developing hbv polimerase and superficial genevariants in inactive hepatitis B carriers**

ŞENTÜRK Ö., AYDIN H., SAYAN M., KORKMAZ U., YILMAZ H., ÖZTÜRKLER M., ŞENTÜRK Z., ÇELEBİ A., HÜLAGÜ S.

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**LXXXVIII. Resistance Module Meet the Experts**

SAYAN M.

Excellence in HIV Academy, Bükreş, Romania, 12 March 2015

**LXXXIX. HBV Viroloji ve Epidemiyoloji**

SAYAN M.

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- XC. **HCV NS3 inhibitors resistance mutations in the telaprevir started Turkish patients with chronic HCV**  
SAYAN M., AKHAN S., AYGEN B., SÜDA T., MİSTİK R., DEMİRTÜRK N., URAL O.  
ICID Cape Town 2014, 2 - 05 April 2014
- XCI. **Long term outcomes of ongoing lamivudine treatment in chronic hepatitis B patients in Kocaeli**  
AKHAN S., SAYAN M., AYGEN B., AYNUR A., ELİF A.  
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- XCII. **A case report antiviral triple therapy with telaprevir in a haemodialysed HCV patient in Turkey**  
AKHAN S., SAYAN M., ELİF A., AYNIOĞLU A.  
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- XCIII. **Nucleoside Drug Resistance and Potential HBV Vaccine-Escape Mutation Caused by Telbivudine Treatment in a Chronic Hepatitis B Patient**  
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- XCIV. **Kronik hepatit B ve D enfeksiyonu olan bir hastada akut hepatit A enfeksiyonu Bir olgu sunumu**  
ALTUNOK E., AYNIOĞLU A., AKHAN S., SAYAN M.  
Yaşlılık ve enfeksiyonlar 5. Tepecik Enfeksiyon Günleri Sempozyumu BUHASDER 2013, Turkey, 25 - 29 October 2013
- XCV. **Spontan HBsAg serokonversiyonu gelişen kronik hepatit B enfeksiyonu Bir olgu sunumu**  
AYNIOĞLU A., ALTUNOK E., AKHAN S., SAYAN M.  
Yaşlılık ve enfeksiyonlar 5. Tepecik Enfeksiyon Günleri Sempozyumu BUHASDER 2013, Turkey, 25 - 29 October 2013
- XCVI. **HIV 1 subtypes and antiretroviral resistance mutations in HBV HCV co infected HIV 1 positive patients in Turkey**  
SAYAN M., AKHAN S., DEMİRASLAN H., ALTUNOK E., AYNUR A.  
IDWeek San Francisco 2013, 2 - 06 October 2013
- XCVII. **Tenofovir resistance associated with A194 mutation on reverse transcriptase domain in a naive chronic hepatitis B patient responded to entecavir combination**  
Comoglu S., Kadanali A., Karagoz G., Dede B., SAYAN M., Tok B.  
64th Annual Meeting and Postgraduate Course of the American-Association-for-the-Study-of-Liver-Diseases, Washington, Kiribati, 1 - 05 November 2013, vol.58
- XCVIII. **IL 28B genotip tayini kronik hepatit B için oral antiviral kullanan hastalarda tedavi cevabını öngörmede kullanılabilir mi**  
AKHAN S., AYNUR A., ELİF A., SAYAN M.  
16.Türk Klinik Mikrobiyoloji ve İnfeksiyon Hastalıkları Kongresi 2013, Antalya, Turkey, 13 March - 17 June 2013
- XCIX. **Genotypic resistance patterns during virological breakthrough in chronic hepatitis B under nucleos t ide analogue treatments in Turkey**  
SAYAN M., AKHAN S.  
22. APASL Liver Week Singapur 2013, 6 - 09 June 2013
- C. **Molecular characterization of HBV strains isolated from chronic hepatitis B patients in southeastern region of Turkey**  
SAYAN M., AKHAN S.  
22. APASL Liver Week Singapur 2013, 6 - 09 June 2013
- CI. **Antiviral drug associated potential vaccine escape mutants ADAPVEMS in chronic hepatitis B patients A multicenter controlled prospective study in Turkey**  
SAYAN M., AKHAN S.  
22. APASL Liver Week Singapur 2013, 6 - 09 June 2013
- CII. **Kocaeli nde HBV HCV HDV HIV Koinfeksiyon Olgularının Değerlendirilmesi**  
AKHAN S., SAYAN M., ALTUNOK E., AYNIOĞLU A.

Ulusal Viral Hepatit Simpozyumu III Girne, Kuzey Kıbrıs Türk Cumhuriyeti, 2013, Turkey, 24 - 26 May 2013

- CIII. **Kronik hepatit B tedavisinde nadir rastlanılan entekavir direnci mutasyon kombinasyonu**  
SAYAN M., AKHAN S.  
16.Türk Klinik Mikrobiyoloji ve İnfeksiyon Hastalıkları Kongresi, Antalya, 2013, Turkey, 13 - 17 March 2013
- CIV. **KLİMİK VHÇG 2012 Ulusal HBV ilaç direnci izlem sonuçları I Oral antiviral naif kronik hepatit B li hastaların değerlendirilmesi**  
SAYAN M., AKHAN S., AYGEN B., ERAKSOY Ö. H., SIRMATEL F., URAL O., AKTUĞ DEMİR N.  
16.Türk Klinik Mikrobiyoloji ve İnfeksiyon Hastalıkları Kongresi, Antalya, 2013, Turkey, 13 - 17 March 2013
- CV. **Kocaeli nde 4 yıllık entekavir deneyimi**  
AKHAN S., ALTUNOK E., AYNIOĞLU A., SAYAN M.  
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- CVI. **KLİMİK VHÇG 2012 Ulusal HBV ilaç direnci izlem sonuçları II Oral antiviral tedavi altında viral breakthrough görülen kronik hepatit B li hastaların değerlendirilmesi**  
SAYAN M., AKHAN S., AYGEN B., ERAKSOY Ö. H., SIRMATEL F., TÜLEK N., AKTUĞ DEMİR N., MISTIK R.  
16.Türk Klinik Mikrobiyoloji ve İnfeksiyon Hastalıkları Kongresi, Antalya, 2013, Turkey, 13 - 17 March 2013
- CVII. **Membranoproliferatif glomerülonefrit ve hepatit B enfeksiyonu ilişkisi Literatür taraması ile bağlantılı olarak olgu sunumu**  
AKHAN S., KALENDER GÖNÜLLÜ B., SAYAN M.  
16.Türk Klinik Mikrobiyoloji ve İnfeksiyon Hastalıkları Kongresi, Antalya, 2013, Turkey, 13 - 17 March 2013
- CVIII. **İzole kardiyak kist hidatik Olgu sunumu**  
AKHAN S., AYNIOĞLU A., ALTUNOK E., SAYAN M.  
16.Türk Klinik Mikrobiyoloji ve İnfeksiyon Hastalıkları Kongresi, Antalya, 2013, Turkey, 13 - 17 March 2013
- CIX. **"Membranoproliferatif Glomerulonefrit ve Hepatit B Enfeksiyonu İlişkisi Literatür Taraması ile Bağlantılı Olarak Olgu sunumu"**  
AKHAN S., KALENDER GÖNÜLLÜ B., SAYAN M.  
XVI. Turk Klinik Mikrobiyoloji ve İnfeksiyon Hastalıkları Kongresi, Antalya, Turkey, 13 - 17 March 2013
- CX. **HIV 1 subtypes and antiretroviral resistance mutations in HBV HCV coinfecting HIV 1 positive patients from two center of Marmara region of Turkey**  
AKHAN S., SAYAN M.  
EASL Monotematic Conference Londra, 2012, 7 - 08 December 2012
- CXI. **Frequency and mutation patterns of resistance in patients with chronic hepatitis B infection treated with nucleoside analogs in add on and switch strategies**  
SAYAN M., AKHAN S., ŞENTÜRK Ö.  
15th ICID Bangkok, 2012, 13 - 16 June 2012
- CXII. **Antiviral drug associated potential vaccine escape hepatitis B virus mutants in Turkish patients with chronic hepatitis B**  
SAYAN M., AKHAN S.  
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- CXIII. **Lamivudin tedavisi altında primer nükleozid analogu direnci saptanan olguda klinik histopatolojik ve moleküler sonuçlar**  
AYGEN B., SAYAN M., YILDIZ O., AKHAN S.  
Ulusal Viral Hepatit Simpozyumu I Ankara, 2012, Turkey, 5 - 06 May 2012
- CXIV. **Kronik hepatit B virus enfeksiyonu ve S gen mutasyonu**  
AKHAN S., SAYAN M., UYGUN KIZMAZ Y.  
Ulusal Viral Hepatit Simpozyumu I Ankara, 2012, Turkey, 5 - 06 May 2012
- CXV. **Kronik hepatit B tedavisinde ortaya çıkan oral antiviraller ile ilişkili potansiyel aşı kaçığı mutasyonları**  
SAYAN M., AKHAN S.  
Ulusal Viral Hepatit Simpozyumu I Ankara, 2012, Turkey, 5 - 06 May 2012
- CXVI. **Kronik hepatit B enfeksiyonunda entekavir ve tenofovirin birlikte kullanım deneyimi Beş olgu sunumu**

- AKHAN S., SAYAN M.  
Ulusal Viral Hepatit Simpozyumu I Ankara, 2012, Ankara, Turkey, 5 - 06 May 2012
- CXVII. **Hepatit B virusu ilaç direnci analizinde ön sonuçlar**  
SAYAN M., AKHAN S.  
Ulusal Viral Hepatit Simpozyumu I Ankara, 2012, Turkey, 5 - 06 May 2012
- CXVIII. **Kronik B hepatitli naif bir hastada primer adefovir ve potansiyel entekavir direnci**  
AYGEN B., SAYAN M., YILDIZ O., AKHAN S.  
Ulusal Viral Hepatit Simpozyumu I Ankara, 2012, Turkey, 5 - 06 May 2012
- CXIX. **Kemik iliği transplantasyonu olan hastada hepatit B virus enfeksiyonu seyri**  
AKHAN S., SAYAN M., GÜREL E.  
Ulusal Viral Hepatit Simpozyumu I Ankara, 2012, Turkey, 5 - 06 May 2012
- CXX. **HIV and acute HBV infection First case from Kocaeli Turkey**  
SAYAN M., AKHAN S.  
Asian Pacific Association for the Study of the Liver (APASL) Tayvan, Congress, Hepatology 2012, 16 - 19 February 2012
- CXXI. **Kronik hepatit B tedavi sürecinde ortaya çıkan idiyopatik trombositopenik purpura**  
AKHAN S., AYNUR A., SAYAN M.  
15.Türk Klinik Mikrobiyoloji ve İnfeksiyon Hastalıkları Kongresi, Antalya, 2011, Turkey, 23 - 27 March 2011
- CXXII. **Kronik hepatit B enfeksiyonu olan ailede tedavi ile serokonversiyon gelişimi 4 olgu sunumu**  
AKHAN S., ÇELİK E., SAYAN M., ERDEM G.  
15.Türk Klinik Mikrobiyoloji ve İnfeksiyon Hastalıkları Kongresi, Antalya, 2011, Turkey, 23 - 27 March 2011
- CXXIII. **HIV enfeksiyonu tedavisi ile ortaya çıkan jinekomasti Olgu sunumu**  
AKHAN S., SAYAN M.  
15.Türk Klinik Mikrobiyoloji ve İnfeksiyon Hastalıkları Kongresi, Antalya, 2011, Turkey, 23 - 27 March 2011
- CXXIV. **HIV enfeksiyonu ile akut hepatit B ya da alevlenme**  
AKHAN S., SAYAN M., ALTUNOK E.  
15.Türk Klinik Mikrobiyoloji ve İnfeksiyon Hastalıkları Kongresi , Antalya, 2011, Antalya, Turkey, 23 - 27 March 2011
- CXXV. **Genotype distribution of hepatitis C in the Kocaeli Turkey**  
SAYAN M., AKHAN S., ŞENTÜRK Ö.  
Asian Pacific Association for the Study of the Liver (APASL) Bangkok, Congress, Hepatology 2011, 20 - 24 February 2011
- CXXVI. **Akut hepatit B enfeksiyonu mu kronik zeminde alevlenme mi**  
AKHAN S., ELİF A., SAYAN M.  
X.Ulusal Viral Hepatit Kongresi, Antalya, 2010, Antalya, Turkey, 1 - 04 April 2010
- CXXVII. **HBsAg antiHBs ve HBV DNA pozitif olan dört olgu sunumu Mutant suşlar mı gündemde**  
AKHAN S., AKSOY S., SAYAN M.  
X.Ulusal Viral Hepatit Kongresi, Antalya, 2010, Turkey, 1 - 04 April 2010
- CXXVIII. **The prevalence of hepatitis B virus surface antigen HBsAg mutants and HBsAg assays performance for sG14R mutants in Turkish patients under nucleos t ide analogues therapy and treatment naïve chronic hepatitis B infection**  
SAYAN M., AKHAN S., ÇEKMEN M. B.  
The molecular biology of hepatitis viruses, Tours, Loire Valley, France, 2009, 30 August - 02 September 2009
- CXXIX. **Genotype A adw2 strain of hepatitis B virus in Turkey a case report**  
SAYAN M., AKHAN S.  
The molecular biology of hepatitis viruses, Tours, Loire Valley, France, 2009, 30 August - 02 September 2009
- CXXX. **Entecavir drug resistance in entecavir naivechronic hepatitis B patients**  
SAYAN M., HÜLAGÜ S., AKHAN S., ŞENTÜRK Ö., MERİÇ KOÇ M., ÇEKMEN M. B.  
5th APASL Single Topic Conference, İstanbul, 2009, 17 - 20 May 2009
- CXXXI. **Naturally occurred amino acid substitutions in nucleos t ide naïve patients with chronic hepatitis B**  
SAYAN M., AKHAN S., MERİÇ KOÇ M.

## Supported Projects

- YILMAZ H., SAYAN M., AVCI İ. E., BAYNAL E. A., Project Supported by Higher Education Institutions, ERKEN BAŞLANGIÇLI PROSTAT KANSERİ ETİYOLOJİSİNDE ONKOLOJİK HPV SUŞLARININ ROLÜ VAR MIDIR ?, 2021 - Continues
- Sayan M., Universities of Other Countries Supported Project, Surveillance of Hepatitis C Antiviral Resistance and Methodology (SHARED), 2019 - 2023
- SAVLI H., SÜNNETÇİ AKKOYUNLU D., SAYAN M., KARADENİZLİ A., KASAP M., CANTÜRK N. Z., AKHAN S., ILGAZLI A. H., EREN KESKİN S., ÇİNE N., Project Supported by Higher Education Institutions, Kocaeli Bölgesi Covid19 Pozitif Hastalarda SARSCoV2 Koronavirus Genomunun Haritalanması, 2021 - 2022
- AKHAN S., SAYAN M., GÜNEŞ V. E., Project Supported by Higher Education Institutions, KRONİK HEPATİT C TEDAVİSİNDE ORAL ANTİVİRAL (NS5A, NS5B) İLAÇ DİRENCİ VE SORUMLU MUTASYONLARIN BELİRLENMESİ, 2016 - 2018
- SAYAN M., IŞIK S., Project Supported by Higher Education Institutions, YOĞUN BAKIM HASTALARINDA AKUT BÖBREK HASARI ERKEN TANIDA VE TERAPÖTİK HEDEFLERDE MİCRORNA-21 VE MİCRORNA-127 EKSPRESYON PROFİLLERİNİN İLİŞKİLENDİRİLMESİ, 2016 - 2016
- SAYAN M., Project Supported by Higher Education Institutions, HEPATİT C TEDAVİSİNDE KULLANIMA YENİ GİREN NS5A VE B İNHİBİTÖRÜ ANTİVİRALERDE İLAÇ DİRENCİNİN VE MUTASYON PATERNLERİNİN BELİRLENMESİ, 2014 - 2016
- SAYAN M., Project Supported by Higher Education Institutions, Türkiye'deki anti-HCV Pozitif Hemodiyaliz Hastalarında Hepatit C Virüsü Viral Yüklü, Genotipleri ve Rekonbinasyon Özelliklerinin Moleküler Tekniklerle Ortaya Çıkarılması, 2011 - 2012
- SAYAN M., Project Supported by Higher Education Institutions, Güneydoğu Anadolu Bölgesinde, tedavi naif ve çeşitli oral antiviral tedavi uygulanmış kronik hepatit B'li hastalarda, antiviral ilaç ile ilişkili potansiyel aşı kaçış mutantlarının (ADAPVEMs) saptanması, 2010 - 2012

## Memberships / Tasks in Scientific Organizations

- SHARED, Member, 2019 - Continues, Canada
- International Society for Infectious Diseases , Member, 2015 - Continues, Germany
- European Society for Antiviral Resistance , Member, 2015 - Continues, Germany
- Türk Karaciğer Araştırmaları Derneği , Member, 2015 - Continues, Turkey
- Euroresist, Member of Science Committee, 2015 - Continues, Italy
- KLİMİK, Member, 2000 - Continues, Turkey
- Viral Hepatitle Savaşım Derneği, Member, 1995 - Continues, Turkey
- AIDS ile Mücadele Derneği, Member, 1995 - Continues, Turkey
- Türk Mikrobiyoloji Cemiyeti , Member, 1995 - Continues, Turkey
- Ankara Mikrobiyoloji Derneği , Member, 1995 - Continues, Turkey

## Scientific Refereeing

- Universities of Other Countries Supported Project, Near East University, Cyprus (Kkctc), December 2023
- TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Kocaeli University, Turkey, December 2023
- TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Araştırma Burs Programı, Kocaeli University, Turkey, November 2023
- TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Kocaeli University, Turkey, August 2023
- JOURNAL OF COMPARATIVE EFFECTIVENESS RESEARCH, Journal Indexed in SCI-E, June 2023

## Scientific Research / Working Group Memberships



Desam Viral Dinamikler Arařtırma Grubu, Near East University, Kıbrıs (Kkctc), <https://neu.edu.tr/arastirma/desam-arastirma-enstitusu/>, 2016 - Continues

## Metrics

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H-Index (WoS): 15

H-Index (Scopus): 15

## Congress and Symposium Activities

38.Ankem Kongresi 1-4 Haziran 2023-Girne- KKTC., Attendee, Girne, Cyprus (Kkctc), 2023

XXIII. Uluslararası Türk Klinik Mikrobiyoloji ve İnfeksiyon Hastalıkları Kongresi 13-16 Mart 2023-Antalya., Attendee, Antalya, Turkey, 2023

## Invited Talks

Hepatit C'nin DEA Tedavilerinde İlaç Direnci ve Moleküler Yaklaşım., Conference, Viral Hepatit Kongresi, Turkey, October 2023

Yeni Yaklaşımlarla Makale Yazımı, Conference, DESAM Arařtırma Enstitüsü, Cyprus (Kkctc), April 2023

## Non Academic Experience

Yakın Doęu Üniversitesi

Kocaeli Üniversitesi, Tıp Fak. Hast.

Dokuz Eylül Üniversitesi, Klinik Mikrobiyoloji AD.