

Prof. SELMA AY

Personal Information

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International Researcher IDs

ORCID: 0000-0002-7640-6635

Yoksis Researcher ID: 6130

Education Information

Doctorate, Firat University, Faculty Of Health Sciences, Tıbbi Mikrobiyoloji Anabilim Dalı, Turkey 1992 - 1999

Postgraduate, Firat University, Sağlık Bilimleri, Tıbbi Mikrobiyoloji Anabilim Dalı, Turkey 1985 - 1992

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, İnfertil eşlerde Anti sperm antikorların İFA yöntemi ile araştırılması, Inonu University, Tıp Fakültesi, Tıbbi Mikrobiyoloji Anabilim Dalı, 1999

Postgraduate, Beta hemolitik streptokokların serolojik ve biyokimyasal testlerle gruplandırılması, Firat University, Tıp Fakültesi, Tıbbi Mikrobiyoloji Anabilim Dalı, 1992

Research Areas

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

Academic Titles / Tasks

Professor, Inonu University, Tıp Fakültesi, Temel Tıp Bilimleri, 2001 - Continues

Academic and Administrative Experience

Inonu University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2001 - 2008

Inonu University, Malatya Sağlık Yüksekokulu, 2006 - 2007

Courses

Growth media of microorganisms, Undergraduate, 2015-2016

Introduction to the viral enfections and laboratory diagnosis, Undergraduate, 2015-2016

Normal flora lab.practice, Undergraduate, 2015-2016

Medium and growth indicators, Undergraduate, 2015-2016

Microbial Metabolism,multiplication and death of the microbes, Undergraduate, 2015-2016

Tümör virusları, Undergraduate, 2015-2016

Orthomyxoviridae, Undergraduate, 2015-2016

Viral hastalıklara giriş ve laboratuvar tanısı, Undergraduate, 2015-2016

Mikroorganizmaların üretilme ortamları, Undergraduate, 2015-2016

Besin zehirlenmesi etkeni olan bakteriler ve laboratuvar tanısı, Undergraduate, 2015-2016

Bakterilerde çoğalma ve çoğalmaya etki eden faktörler, Undergraduate, 2015-2016

artropod ve rodentlerle bulaşan virusler, Undergraduate, 2015-2016

İnsan vücudunun normal mikrobiyal florası, Undergraduate, 2015-2016

Bakteri genetiği, Undergraduate Double Major, 2015-2016

bacteria causing food poisoning and laboratory diagnosis, Undergraduate, 2015-2016

Bakteri genetiği, Undergraduate Double Major, 2015-2016

Bakterilerde metabolizma, Undergraduate, 2015-2016

Mikroorganizmaların üretilme ortamları,üreme görünümleri.koloniler, Undergraduate, 2015-2016

Besiyerleri ve üreme görünümleri-Laboratuvar, Undergraduate, 2015-2016

HACEK grubu içerisinde yer alan bakteriler , Undergraduate, 2015-2016

Bacteria in the HACEK group, Undergraduate, 2015-2016

yersinia,francisella and Pasteurella, Undergraduate, 2015-2016

Growth media of microorganisms and growth characteristics, Undergraduate, 2015-2016

Streptobasiller ve diğer Gram negatif bakteriler, Undergraduate, 2015-2016

yersinia,Francisella, Pasteurella, Undergraduate, 2015-2016

Normal vücu florası -laboratuvar uygulaması, Undergraduate, 2015-2016

Hepatitis viruses, Undergraduate, 2015-2016

The genus Brucellae, Undergraduate, 2015-2016

major bakteri grupları, Undergraduate, 2015-2016

Brusella türleri, Undergraduate, 2015-2016

Media and growth indicators-Laboratory practice, Undergraduate, 2015-2016

Arthropod and rodent borne virus, Undergraduate, 2015-2016

Tumor viruses, Undergraduate, 2015-2016

Major bacterial groups, Undergraduate, 2015-2016

Streptobacillus and other Gram negative bacilli, Undergraduate, 2015-2016

Ortomiksovirusler, Undergraduate, 2015-2016

hepatit virusları, Undergraduate, 2015-2016

Normal microbial flora of human body, Undergraduate, 2015-2016

Growth requirement of microorganisms, Undergraduate, 2015-2016

Arbovirusler, Undergraduate, 2013-2014

Serolojik testlere Giriş, Undergraduate, 2013-2014

Mtemel Mikrobiyoloji, Undergraduate Double Major, 2013-2014

Besin zehirlenmesi etkeni bakteriler ve laboratuvar tanısı, Undergraduate, 2013-2014

Bacteria responsible for food poisoning and Lab.diagnosis, Undergraduate, 2013-2014

Pasteurella, Undergraduate, 2013-2014

Major bakteri grupları, Undergraduate, 2013-2014

Brucella, Undergraduate, 2013-2014

yersinia, Undergraduate, 2013-2014

Orthomyxovirusler,İnfluenza virüsler,, Undergraduate, 2013-2014

Immunology-Serological tests, Undergraduate, 2013-2014

Francisella, Undergraduate, 2013-2014

HACEK grubu bakteriler, Undergraduate, 2013-2014

Jury Memberships

Associate Professor Exam, Doçentlik sınavı asil jüri üyesi, Adnan Menderes Üniversitesi, March, 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of Carbapenemases in Carbapenem-Resistant Escherichia coli and Klebsiella pneumoniae Strains Isolated in 2014 in Turkey**
ÇAKAR A., AKYÖN YILMAZ Y., Gur D., Karatuna O., Ogunc D., Baysan B. O., Coplu N., Cagatay M., Kilic A., Baysallar M., et al.
MIKROBIOLOJİ BÜLTENİ, vol.50, no.1, pp.21-33, 2016 (SCI-Expanded)
- II. **Comparison of an automated system with four phenotypic methods for the detection of methicillin-resistant Staphylococcus aureus**
Iraz M., TEKEREKOĞLU M. S., OTLU B., AY S.
AFRICAN JOURNAL OF MICROBIOLOGY RESEARCH, vol.6, no.4, pp.764-769, 2012 (SCI-Expanded)
- III. **Investigation of Hydrophobic characteristic of biofilm producer and non producer Staphylococcus aureus clinical isolates**
AY S., GÜLDÜR T., TEKEREKOĞLU M. S., OTLU B.
MIKROBIOLOJİ BÜLTENİ, vol.44, no.2, pp.221-230, 2010 (SCI-Expanded)
- IV. **INVESTIGATION OF HYDROPHOBIC CHARACTERISTICS OF BIOFILM PRODUCER AND NON-PRODUCER STAPHYLOCOCCUS AUREUS CLINICAL ISOLATES**
AY S., GÜLDÜR T., TEKEREKOĞLU M. S., OTLU B.
MIKROBIOLOJİ BÜLTENİ, vol.44, no.2, pp.221-230, 2010 (SCI-Expanded)
- V. **A PNEUMONIA CASE CAUSED BY CEDECEA LAPAGEI**
Yetkin G., AY S., Kayabas U., Gedik E., Gucluer N., Caliskan A.
MIKROBIOLOJİ BÜLTENİ, vol.42, no.4, pp.681-684, 2008 (SCI-Expanded)
- VI. **A pneumoniae case caused by Cedecia lapagei**
Yetkin G., AY S.
MIKROBIOLOJİ BÜLTENİ, vol.42, no.4, pp.681-684, 2008 (SCI-Expanded)
- VII. **Evaluation of 23 cutaneous anthrax patients in eastern Anatolia, Turkey: diagnosis and risk factors**
Ozcan H., Kayabas U., Bayindir Y., Bayraktar M. R., Ay S.
INTERNATIONAL JOURNAL OF DERMATOLOGY, vol.47, no.10, pp.1033-1037, 2008 (SCI-Expanded)
- VIII. **Sulfasalazine reduces inflammatory renal injury in unilateral ureteral obstruction**
DEMİRBİLEK S., EMRE M. H., AYDIN E. N., EDALİ M. N., AKSOY R. T., AKIN M., Gurunluoglu K., TAS E., Ay S., YILMAZ Z.
PEDIATRIC NEPHROLOGY, vol.22, no.6, pp.804-812, 2007 (SCI-Expanded)
- IX. **Molecular epidemiology of methicillin resistant Staphylococcus aureus isolates of clinical specimens of patients with nosocomial infections: Are there unnoticed silent outbreaks?**
AY S., TEKEREKOĞLU M. S., OTLU B.
NEW MICROBIOLOGICA, vol.22, no.6, pp.804-812, 2007 (SCI-Expanded)
- X. **Molecular epidemiology of methicillin-resistant Staphylococcus aureus isolates from clinical specimens of patients with nosocomial infection: are there unnoticed silent outbreaks?**
Tekerekoglu M. S., Ay S., OTLU B., Cicek A., Kayabas U., Durmaz R.
NEW MICROBIOLOGICA, vol.30, no.2, pp.131-137, 2007 (SCI-Expanded)
- XI. **Attenuation of ureteral obstruction-induced renal injury by polyenylphosphatidylcholine.**
AKIN M., DEMİRBİLEK S., Ay S., Gurunluoglu K., Turkmen E., TAS E., AKSOY R. T., BAYKARABULUT A., EDALİ M. N.
International journal of urology : official journal of the Japanese Urological Association, vol.14, no.4, pp.350-6,

2007 (SCI-Expanded)

- XII. **Fluvastatin reduced liver injury in rat model of extrahepatic cholestasis**
DEMİRBILEK S., TAS E., Gurunluoglu K., AKIN M., AKSOY R. T., EMRE M. H., AYDIN N. E., Ay S., OZATAY N.
PEDIATRIC SURGERY INTERNATIONAL, vol.23, no.2, pp.155-162, 2007 (SCI-Expanded)
- XIII. **The effect of caffeic acid phenethyl ester on bacterial translocation and intestinal damage in cholestatic rats**
Ara C., Esrefoglu M., Polat A., Isik B., Aladag M., Gul M., Ay S., Tekerleklioglu M. S., Yilmaz S.
DIGESTIVE DISEASES AND SCIENCES, vol.51, no.10, pp.1754-1760, 2006 (SCI-Expanded)
- XIV. **The NF-kappa B inhibitors attenuate hepatic injury in bile duct ligated rats**
Demirbilek S., Akin M., Guerenlueoglu K., Aydin N. E., Emre M. H., Tas E., Aksoy R. T., Ay S.
PEDIATRIC SURGERY INTERNATIONAL, vol.22, no.8, pp.655-663, 2006 (SCI-Expanded)
- XV. **Protective effect of resveratrol against oxidative stress in cholestasis**
Ara C., Kirmlioglu H., Karabulut A., Coban S., Ay S., Harputluoglu M. M. M., Kirmlioglu V., Yilmaz S.
JOURNAL OF SURGICAL RESEARCH, vol.127, no.2, pp.112-117, 2005 (SCI-Expanded)
- XVI. **Epidemiologic and clinical clinical features of a sepsis caused by methicillin-resistant Staphylococcus epidermidis (MRSE) in a pediatric intensive care unit**
Tekerekoglu M., Durmaz R., Ay S., Cicek A., Kutlu O.
AMERICAN JOURNAL OF INFECTION CONTROL, vol.32, no.6, pp.362-364, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of Compatibility Between Serological Tests Used in Laboratory Diagnosis of Brucellosis**
Ay S., Güzel B., Duman Y.
Acta Medica Alanya, vol.5, no.2, pp.171-174, 2021 (Peer-Reviewed Journal)
- II. **Seroprevalence of Hepatitis A Virus in Inonu University Medical Faculty Hospital 2015**
DUMAN Y., TEKEREKOĞLU M. S., AY S., serindağ a.
Medicine Science International Medical Journal, vol.6, no.2, pp.233-235, 2017 (Peer-Reviewed Journal)
- III. **MBL E Test Araştırmasında 5 Farklı Marka Müller-Hinton Agar Besiyerlerinden Elde Edilen Sonuçların Değerlendirilmesi**
Ay S., Mansur A., Otlı B., Serindağ A., Tekerekoğlu M. S., Karademir F.
İnönü Üniversitesi Tıp Fakültesi Dergisi, vol.23, no.1, pp.21-25, 2016 (Peer-Reviewed Journal)
- IV. **Evaluation of Metallo Beta Lactamase E test Results from Different Brands of Mueller Hinton Agar Plates MBL E Test Arastirmasinda 5 Farkli Marka Muller Hinton Agar Besiyerlerinden Elde Edilen Sonuclarin Degerlendirilmesi**
AY S., mansur a., OTLU B., serindağ a., TEKEREKOĞLU M. S., KARADEMİR F.
Journal of Turgut Ozal Medical Center, vol.23, pp.1, 2016 (Peer-Reviewed Journal)
- V. **Seroprevalence of HBsAg, Anti-HBs, anti-HDV and HDVAg in İnönü University Medical Faculty Hospital, 2012**
DUMAN Y., TEKEREKOĞLU M. S., AY S.
MEDİCİNE SCİENCE, vol.3, no.1, pp.982-90, 2014 (Peer-Reviewed Journal)
- VI. **Seroprevalence of HBsAg Anti HBs anti HDV and HDVAg in Inonu University Medical Faculty Hospital 2012 Inonu Universitesi Tıp Fakultesi Hastanesinde 2012 Yilinda HBsAg Anti HBs Anti HDV ve HDVAg Seroprevalansi**
DUMAN Y., TEKEREKOĞLU M. S., AY S.
Medicine Science International Medical Journal, vol.3, no.1, pp.982-990, 2014 (Peer-Reviewed Journal)
- VII. **Nozokomiyal Pseudomonas Aeruginosa İzolatlarında Antibiyotik Duyarlılık Oranları**
Ahmet M., AY S., ERSOY Y.
J Turgut Ozal Med Cent, vol.20, no.3, pp.138-142, 2013 (Peer-Reviewed Journal)
- VIII. **Karbapenem dirençli Pseudomonas aeruginosa izolatlarında Metallo B eta laktamaz Üretiminin Araştırılması**

Ahmet M., AY S., OTLU B., Nilay G., ERSOY Y.

J Turgut Ozal Med Cent, vol.20, no.2, pp.237-242, 2013 (Peer-Reviewed Journal)

IX. Investigation of Metallo Beta lactamase Production in Carbapenem Resistant Pseudomonas aeruginosa Isolates

mansur a., AY S., OTLU B., güçlüer n., ERSOY Y.

İnönü Üniversitesi Tıp Fakültesi Dergisi, vol.20, no.3, pp.237-242, 2013 (Peer-Reviewed Journal)

Supported Projects

AY S., DUMAN Y., ÇAKIL B., Project Supported by Higher Education Institutions, Brusellozis Tanısında Kullanılan Serolojik Testlerin Karşılaştırılması, 2017 - 2018

Metrics

Publication: 25

Citation (WoS): 240

Citation (Scopus): 225

H-Index (WoS): 9

H-Index (Scopus): 9