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Education Information

Doctorate, Erciyes University, Sağlık Bilimleri Enstitüsü, Veteriner Mikrobiyoloji Abd, Turkey 2016 - 2021

Postgraduate, Erciyes University, Veteriner Fakültesi, Veteriner, Turkey 2008 - 2013

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Hayvansal Orijinli Escherichia coli İzolatlarının Filogruplarının Belirlenmesi ve Virülens Genlerinin Analizi, Erciyes University, Veteriner Fakültesi, Klinik Öncesi Bilimler, 2021

Research Areas

Health Sciences, Veterinary Sciences, Pre-Clinical Sciences, Veterinary Microbiology

Academic Titles / Tasks

Research Assistant PhD, Erciyes University, Veteriner Fakültesi, Klinik Öncesi Bilimler, 2021 - Continues

Research Assistant, Erciyes University, Veteriner Fakültesi, Klinik Öncesi Bilimler, 2016 - 2021

Research Assistant, Kafkas University, Faculty Of Veterinary Medicine, Veteriner, 2014 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- The phylogroups and antibiotic susceptibilities of Escherichia coli isolates from the feces of Anatolian Ground Squirrels (*Spermophilus xanthopyrnus*)**
KARAKAYA E., ABAY S., AYDIN F.
Microbial Pathogenesis, vol.193, 2024 (SCI-Expanded)

- II. **A comprehensive study of *Helicobacter pylori* infection: molecular analysis, antibacterial susceptibility, and histopathological examination**
Buyuk F., KARAKAYA E., Akar M., Kayman T., Tarhane S., Ozcan H. E., Celebi O., SATICIOĞLU İ. B., Anuk T., ABAY S., et al.
Antonie van Leeuwenhoek, International Journal of General and Molecular Microbiology, vol.116, no.12, pp.1261-1273, 2023 (SCI-Expanded)
- III. **The canonical *Brucella* species-host dependency is changing, however, the antibiotic susceptibility profiles remain unchanged**
Celik E., Kayman T., Buyuk F., Gulmez Saglam A., Abay S., Akar M., Karakaya E., Balkan Bozlak C. E., Coskun M. R., Buyuk E., et al.
Microbial Pathogenesis, vol.182, 2023 (SCI-Expanded)
- IV. **MLST genotypes and quinolone resistance profiles of *Campylobacter jejuni* isolates from various sources in Turkey**
Aydin F., Kayman T., Abay S., Hizlısoy H., Saticioğlu İ. B., Karakaya E., Sahin O.
INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY, vol.391-393, 2023 (SCI-Expanded)
- V. **Genomic insight into *Myroides oncorhynchi* sp. nov., a new member of the *Myroides* genus, isolated from the internal organ of rainbow trout (*Oncorhynchus mykiss*)**
SATICIOĞLU İ. B., Ay H., ALTUN S., KARAKAYA E., Gunduz E. S., Aydogdu D., Yarim D., Erkek N., DUMAN M.
Antonie van Leeuwenhoek, International Journal of General and Molecular Microbiology, vol.116, no.3, pp.291-302, 2023 (SCI-Expanded)
- VI. ***Escherichia coli* in different animal feces: phylotypes and virulence genes**
Karakaya E., Aydin F., Kayman T., Abay S.
World Journal of Microbiology and Biotechnology, vol.39, no.1, 2023 (SCI-Expanded)
- VII. **Two novel sequence types of *Helicobacter pylori* strains: The first report from Turkey**
Akar M., SATICIOĞLU İ. B., KARAKAYA E., Kayman T., ABAY S., Solakoglu T., Vale F. F., AYDIN F.
HELICOBACTER, vol.27, no.4, 2022 (SCI-Expanded)
- VIII. **<p>Description of the two novel species of the genus *Helicobacter*: *Helicobacter anatolicus* sp. nov., and *Helicobacter kayseriensis* sp. nov., isolated from feces of urban wild birds</p>**
AYDIN F., Saticioğlu İ. B., Ay H., Kayman T., KARAKAYA E., ABAY S.
SYSTEMATIC AND APPLIED MICROBIOLOGY, vol.45, no.4, 2022 (SCI-Expanded)
- IX. **Prevalence and antibacterial susceptibilities of *Arcobacter* spp. and *Campylobacter* spp. from fresh vegetables.**
Abay S., Yaman A., Karakaya E., Aydin F.
World journal of microbiology & biotechnology, vol.38, no.8, pp.132, 2022 (SCI-Expanded)
- X. **Presence of *Clostridioides difficile* in cattle feces, carcasses, and slaughterhouses: Molecular characterization and antibacterial susceptibility of the recovered isolates**
ABAY S., Ahmed E. F., AYDIN F., KARAKAYA E., MÜŞTAK H. K.
ANAEROBE, vol.75, 2022 (SCI-Expanded)
- XI. **Clinical relevance of virulence genes in *Helicobacter pylori* isolates recovered from adult dyspeptic patients in Turkey**
Akar M., Kayman T., ABAY S., Solakoglu T., KARAKAYA E., AYDIN F.
INDIAN JOURNAL OF MEDICAL MICROBIOLOGY, vol.40, no.2, pp.258-262, 2022 (SCI-Expanded)
- XII. ***Helicobacter turcicus* sp. nov., a catalase- negative new member of the *Helicobacter* genus, isolated from Anatolian Ground Squirrel (*Spermophilus xanthoprimum*) in Turkey**
AYDIN F., KARAKAYA E., Kayman T., ABAY S., SATICIOĞLU İ. B.
INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY, vol.72, no.5, 2022 (SCI-Expanded)
- XIII. **Molecular characterization of *Bacillus anthracis* isolates recovered from nomic and nonnomic hosts**
Akca D., Buyuk F., KARAKAYA E., Coskun M. R., Celik E., Sahin M., Celebi O., Otlı S., Gulmez Saglam A., Buyuk E., et al.
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.46, no.1, pp.44-51, 2021 (SCI-Expanded)
- XIV. ***Campylobacter anatolicus* sp. nov., a novel member of the genus *Campylobacter* isolated from feces**

of Anatolian Ground Squirrel (*Spermophilus xanthopyrmnus*) in Turkey

AYDIN F., ABAY S., Kayman T., KARAKAYA E., MÜŞTAK H. K., MÜŞTAK İ. B., BİLGEN N., GÖNCÜOĞLU M., DÜZLER A., Guran O., et al.

SYSTEMATIC AND APPLIED MICROBIOLOGY, vol.44, no.6, 2021 (SCI-Expanded)

- XV. **Detection of *Helicobacter pylori* by invasive tests in adult dyspeptic patients and antibacterial resistance to six antibiotics, including rifampicin in Turkey. Is clarithromycin resistance rate decreasing?**
Akar M., Aydın F., Kayman T., Abay S., Karakaya E.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.51, no.3, pp.1455-1464, 2021 (SCI-Expanded)
- XVI. **Species distribution, genetic diversity and antimicrobial susceptibility of *Campylobacter* isolates recovered from the preputial cavity of healthy rams in Turkey**
Aydın F., Abay M., Şahin O., Abay S., Karakaya E., Başak M., Müştak H., Gümüşsoy K., Kayman T.
JOURNAL OF APPLIED MICROBIOLOGY, vol.129, no.5, pp.1173-1184, 2020 (SCI-Expanded)
- XVII. **Ovine Abortion Associated with *Campylobacter fetus* subsp. *fetus* ST2 in Turkey**
AYDIN F., ABAY M., ATASEVER A., ÇAKIR BAYRAM L., KARAKAYA E., ABAY S., EKEBAŞ G., MÜŞTAK H. K., GÜMÜŞSOY K. S., Bloois L. v. d. G., et al.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.26, no.4, pp.557-562, 2020 (SCI-Expanded)
- XVIII. **Neonatal calf meningitis associated with *Streptococcus gallolyticus* subsp. *gallolyticus***
Aydın F., Güneş V., Bayram L., Abay S., Karakaya E., Varol K., Ekinci G., Guemuesoy K. S., Mustak H. K., Diker K. S.
FOLIA MICROBIOLOGICA, vol.64, no.2, pp.223-229, 2019 (SCI-Expanded)
- XIX. **Phenotypic and genotypic investigation of the heavy metal resistance in *Escherichia coli* isolates recovered from cattle stool samples**
Sipahi N., KARAKAYA E., İkiz S.
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.43, no.5, pp.684-691, 2019 (SCI-Expanded)
- XX. **A case of Anthrax in two captive pumas (*Puma concolor*).**
Ekebas G., Atasever A., Gram D., Karakaya E., Abay S., Aydın F., Gumussoy K. S., ŞAHİN M.
The Journal of veterinary medical science, vol.80, pp.1875-1880, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **Determination of Glycopeptide Resistance Genes and Virulence Factors in Vancomycin-Resistant Enterococci Isolates and the Relationship Between Glycopeptide Resistance Genes and Endogenous/Exogenous Flora**
Orak F., Yalçinkaya K. T., Aydın F., Karakaya E., Doğaner A., Müştak İ. B., Aral M., İpek S.
Journal of clinical practice and research, vol.46, no.2, pp.145-153, 2024 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Effect on yield and quality of bacteria as plant growth regulator in Sugar Beet (*Beta vulgaris* L.)**
ŞATANA A., AYDIN F., ABAY S., KARAKAYA E.
V. Balkan Agricultural Congress, Edirne, Turkey, 20 - 23 September 2023
- II. ***Moraxella* spp. in a calf with Infectious Bovine Keratoconjunctivitis: Isolation, identification and antibiotic susceptibility**
KARAKAYA E.
V. International Agricultural, Biological & Life Science Conference, Edirne, Turkey, 18 - 20 September 2023
- III. **Microbiological Analysis of Sheep Caseous Lymphadenitis Cases**
Karakaya E., Aydoğdu D., Yarım D., Gündüz E. S., Erkek N., Güran Ö., Gümüşsoy K. S., Abay S., Aydın F.
XV. Ulusal Veteriner Mikrobiyoloji Kongresi (Uluslararası Katılımlı), Şanlıurfa, Turkey, 26 - 28 October 2022, pp.116

- IV. **The Bacteria Isolated from Sheep and Cattle Lung Samples and the Current Antibiotic Resistance Profiles**
Karakaya E., Aydın F.
XV. Ulusal Veteriner Mikrobiyoloji Kongresi (Uluslararası Katılımlı), Şanlıurfa, Turkey, 26 - 28 October 2022, pp.38
- V. **Trueperella pyogenes in Lamb and Calf: The Isolation, Identification and Antibiotic Sensitivity**
Karakaya E., Güran Ö., Yarım D., Erkek N., Gündüz E. S., Aydoğdu D., Gümüşsoy K. S., Abay S., Aydın F.
XV. Ulusal Veteriner Mikrobiyoloji Kongresi (Uluslararası Katılımlı), Şanlıurfa, Turkey, 26 - 28 October 2022, pp.37
- VI. **İki Pumada antraks olgusu**
Ekebaş G., Atasever A., Yaman D., Karakaya E., Abay S., Aydın F., Gümüşsoy K. S., Şahin M.
2nd International Conference on Agriculture, Forest, Food Sciences and Technologies, İzmir, Turkey, 2 - 05 April 2018, pp.162
- VII. **Bir Kedide Candida albicans İle Komplike Aşı Yeri Sarkomu Olgusu**
Karakaya E., Atalan G., Çakır Bayram L., Koç A. N., Abay S., Ekebaş G., Alpman U., Aydın F.
2nd International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF), İzmir, Turkey, 2 - 05 April 2018, pp.274
- VIII. **Bir kedide Campylobacter upsaliensis'e bağlı gastroenteritis olgusu**
Karakaya E.
2nd International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF), İzmir, Turkey, 2 - 05 April 2018, pp.334
- IX. **Sokak köpeklerinden izole edilen Listeria spp nin genotiplendirilmesi** Sayfa No 161 162
Abay S., Aydın F., Karakaya E., Gümüşsoy G. F.
XII. Veteriner Hekimleri Mikrobiyoloji Kongresi (Uluslararası katılımlı), Nevşehir, Turkey, 30 August - 02 September 2016

Supported Projects

KARAKAYA E., GÜRAN Ö., ABAY S., SATICIOĞLU İ. B., AYDIN F., ATALAN G., AYDIN C., YARIM D., ALPMAN U., Project Supported by Higher Education Institutions, Sağlık ve Otitisli Köpeklerin Kulak Swab Örneklerinin Bakteriyolojik, Moleküler ve Metagenomik Analizi, 2022 - Continues

Aydın F., Abay S., Karakaya E., Satıcıoğlu İ. B., Arslan D., Altay D., Büyük F., Akar M., TÜBİTAK Project, Yetişkin ve Çocuk Dispeptik Hastalardan İzole Edilen Helicobacter pylori İzolatlarının ve Bunlara Özgü Profajların Tüm Genom Dizi Analizi ile Moleküler Karakterizasyonu, 2023 - 2025

ARSLAN D., ABAY S., ALTAY D., DENİZ K., KARAKAYA E., Project Supported by Higher Education Institutions, Dispeptik çocuk hastalarda Helicobacter pylori infeksiyonu prevalansı, izolatların antibiyotik direnci ve genotiplerinin belirlenmesi, 2020 - 2024

ŞATANA A., KARAKAYA E., ABAY S., AYDIN F., Project Supported by Higher Education Institutions, Bitki Gelişimi Düzenleyici Bakterilerinin Şeker Pancarında (Beta vulgaris L) Verim ve Kaliteye Etkisi, 2020 - 2024

Abay S., Aydın F., Karakaya E., Kayman T., Satıcıoğlu İ. B., Çelik E., TÜBİTAK Project, Isolation and molecular characterization of Campylobacter jejuni specific lytic phages from poultry slaughterhouse wastewater and caecal contents of broiler and biocontrol of C. jejuni in broiler carcasses with phage isolates obtained, 2021 - 2023

AYDIN F., ABAY S., GÜMÜŞSOY K. S., KARAKAYA E., Project Supported by Higher Education Institutions, Farklı kaynaklardan elde edilen Listeria monocytogenes izolatlarının genotiplendirilmesi, serotiplendirilmesi, virulens genlerinin analizi ve antibiyotik duyarlılıklarının saptanması, 2016 - 2023

Metrics

Publication: 30

Citation (WoS): 52

Citation (Scopus): 60

H-Index (WoS): 5

H-Index (Scopus): 5