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International Researcher IDs
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Education Information

Post Doctorate, Mississippi State University, College of Veterinary Medicine, Department of Comparative Biomedical Sciences, United States Of America 2021 - 2022
Doctorate, Mississippi State University, College of Veterinary Medicine, Department of Basic Sciences, United States Of America 2013 - 2018

Dissertations

Doctorate, Comparative Genome Analysis of Fish Pathogens in the Flavobacterium Genus, Mississippi State University, College Of Veterinary Medicine, Department Of Basic Sciences, 2018

Research Areas

Life Sciences, Bacteriology, Genomics

Academic Titles / Tasks

Assistant Professor, Recep Tayyip Erdogan University, Su Ürünleri Fakültesi, Su Ürünleri Yetiştiriciliği Bölümü, 2023 - Continues
Lecturer PhD, Recep Tayyip Erdogan University, Su Ürünleri Fakültesi, Su Ürünleri Yetiştiriciliği Bölümü, 2019 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Genomic diversity in flavobacterial pathogens of aquatic origin**
Kumru S., Tekedar H. C., Blom J., Lawrence M. L., Karsi A.
MICROBIAL PATHOGENESIS, vol.142, 2020 (SCI-Expanded)

II. **Comparative genomics of Aeromonas veronii: Identification of a pathotype impacting aquaculture globally**
Tekedar H. C., Kumru S., Blom J., Perkins A. D., Griffin M. J., Abdelhamed H., Karsi A., Lawrence M. L.

PLOS ONE, vol.14, no.8, 2019 (SCI-Expanded)

III. **Comparative Genomics of Aeromonas hydrophila Secretion Systems and Mutational Analysis of hcp1 and vgrG1 Genes From T6SS**
Tekedar H. C., Abdelhamed H., Kumru S., Blom J., Karsi A., Lawrence M. L.
FRONTIERS IN MICROBIOLOGY, vol.9, 2019 (SCI-Expanded)

IV. **Comparative Analysis of the Flavobacterium columnare Genomovar I and II Genomes**
Kumru S., Tekedar H. C., GÜLSOY N., WALDBIESER G. C., Lawrence M. L., Karsi A.
FRONTIERS IN MICROBIOLOGY, vol.8, 2017 (SCI-Expanded)

Articles Published in Other Journals

I. **Diversity of Lactococcus garvieae by Genomic Approaches**
Kumru S.
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.6, no.4, pp.506-513, 2021 (Peer-Reviewed Journal)

II. **Draft Genome Sequence of Fish Pathogen Aeromonas bestiarum GA97-22**
Kumru S., Tekedar H. C., Griffin M. J., Waldbieser G. C., Liles M. R., Sonstegard T., Schroeder S. G., Lawrence M. L., Karsi A.
MICROBIOLOGY RESOURCE ANNOUNCEMENTS, vol.6, no.24, 2018 (ESCI)

III. **Draft Genome Sequences of Three Aeromonas hydrophila Isolates from Catfish and Tilapia**
Tekedar H. C., Kumru S., Kalindamar S., Karsi A., Waldbieser G. C., Sonstegard T., Schroeder S. G., Liles M. R., Griffin M. J., Lawrence M. L.
MICROBIOLOGY RESOURCE ANNOUNCEMENTS, vol.5, no.3, 2017 (ESCI)

IV. **Draft Genome Sequences of Four Virulent Aeromonas hydrophila Strains from Catfish Aquaculture**
Tekedar H. C., Kumru S., Karsi A., WALDBIESER G. C., SONSTEGARD T., SCHROEDER S. G., LILES M. R., Griffin M. J., Lawrence M. L.
MICROBIOLOGY RESOURCE ANNOUNCEMENTS, vol.4, no.4, 2016 (ESCI)

V. **Draft Genome Sequence of Aeromonas hydrophila TN97-08**
Tekedar H. C., Kumru S., Karsi A., WALDBIESER G. C., SONSTEGARD T., SCHROEDER S. G., LILES M. R., Griffin M. J., Lawrence M. L.
MICROBIOLOGY RESOURCE ANNOUNCEMENTS, vol.4, no.3, 2016 (ESCI)

VI. **Genome Sequence of the Fish Pathogen Flavobacterium columnare Genomovar II Strain 94-081**
Kumru S., Tekedar H. C., WALDBIESER G. C., Karsi A., Lawrence M. L.
MICROBIOLOGY RESOURCE ANNOUNCEMENTS, vol.4, no.3, 2016 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. **Determination of Lactococcus formosensis Predicted Virulence Factors**
KUMRU S.
Selcuk 9th International Conference on Applied Sciences, Konya, Turkey, 15 - 17 December 2023

II. **Clostridium botulinum occurrence in Kosovo honey samples**
Aliu H., Gecaj R. M., KUMRU S., Balta Z. D., BALTA F.
5th International Conference on Biosystems and Food Engineering, Budapest, Hungary, 09 June 2023

III. **Evaluation of cysteine and valine-leucine-isoleucine biosynthesis pathway genes and their role in pathogenesis of virulent Flavobacterium covae**
Patel F., Dharan V., Pipkin M., Baquerizo A., KUMRU S., Tekedar H. C., Pirim H., Griffin M. J., Hanson L.
American Society for Microbiology South Central Branch Meeting, Shreveport, Louisiana, United States Of America, 27 - 29 October 2022

IV. **Secretion systems of Xenorhabdus bacteria associated with entomopathogenic nematodes: A relative**

analyses

Kalindamar S., KUMRU S., Blom J., HAZIR S.

7th International Congress of the Molecular Biology Association of Turkey, İstanbul, Turkey, 27 - 29 September 2019, vol.43

V. **Comparative Genomics Reveals the Species-Based Diversity of Edwardsiella Genus Members**

Tekedar H. C., Lawrence M. L., KUMRU S., Reichley S. R., Waldbieser G. C., Blom J., Griffin M. J.

8th International Symposium on Aquatic Animal Health, Prince Edward Island, Canada, 2 - 06 September 2018

VI. **Genome Sequence and Comparative Genomics of Fish Pathogen Aeromonas bestiarum GA97-22**

KUMRU S., Tekedar H. C., Abdelhamed H., Lawrence M. L., Karsi A.

15th Annual MCBIOS (Midsouth Computational Biology and Bioinformatics Society) Conference, 29 - 31 March 2018

VII. **Comparative genome analysis of Aeromonas veronii**

KUMRU S., Tekedar H. C., Abdelhamed H., Lawrence M. L., Karsi A.

ASM (American Society for Microbiology) South Central Branch Meeting, 19 - 21 October 2017

VIII. **Comparative genomics and mutational analysis of tssD and tssI genes in epidemic Aeromonas hydrophila isolate**

KUMRU S., Tekedar H. C., Karsi A., Lawrence M. L.

ASM (American Society for Microbiology) Microbe 2017, 1 - 05 June 2017

IX. **Complete genome sequence of Flavobacterıum columnare strain 94-081**

KUMRU S., Tekedar H. C., Karsi A., Lawrence M. L.

13th Annual MCBIOS (Midsouth Computational Biology and Bioinformatics Society) Conference, 3 - 05 March 2016

X. **Genome sequence and comparative analysis of Flavobacterium columnare strain 94-081**

KUMRU S., Tekedar H. C., Karsi A., Lawrence M. L.

4th International Conference of the Members of the Genus Flavobacterium, 27 - 29 October 2015

Congress and Symposium Activities

7th International Congress of the Molecular Biology Association of Turkey, Attendee, İstanbul, Turkey, 2019

15th Annual MCBIOS (Midsouth Computational Biology and Bioinformatics Society) Conference, Attendee, Mississippi, United States Of America, 2018

ASM (American Society for Microbiology) South Central Branch Meeting, Attendee, Arkansas, United States Of America, 2017

13th Annual MCBIOS (Midsouth Computational Biology and Bioinformatics Society) Conference, Attendee, Tennessee, United States Of America, 2016

4th International Flavobacterium Conference, Attendee, Alabama, United States Of America, 2015