

## Asst. Prof. SALİH KUMRU

### Personal Information

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### International Researcher IDs

ScholarID: ZPdGaTsAAAAJ

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Publons / Web Of Science ResearcherID: F-6994-2019

Yoksis Researcher ID: 299102

### 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. Tad pili contribute to the virulence and biofilm formation of virulent *Aeromonas hydrophila***  
Tekedar H. C., Patel F., Blom J., Griffin M. J., Waldbieser G. C., KUMRU S., Abdelhamed H., Dharan V., Hanson L. A., Lawrence M. L.  
Frontiers in Cellular and Infection Microbiology, vol.14, 2024 (SCI-Expanded)
- II. Identification of Enterococcus Species Isolated from Commercial Fish Feeds and Infected Fish Specimens**

KUMRU S., Balta Z. D., Aliu H., BALTA F.

Journal of the Hellenic Veterinary Medical Society, vol.75, no.2, pp.7523-7530, 2024 (SCI-Expanded)

III. **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)

IV. **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)

V. **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)

VI. **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. **Evaluation of Tad Operon in *Aeromonas hydrophila* by Single Cell Transcriptomics**

Patel F., Griffin M. J., Hanson L., KUMRU S., EKİZ H. A., Kayacan H., Hanson L., Tekedar H. C.

ASM Microbe 2024, Atlanta, GA, United States Of America, 13 - 17 June 2024

II. **Genomik Yaklaşımlarla Su Ürünlerinde Laktokokoz Hastalığı ve Virülans Faktörler**

KUMRU S.

22. Ulusal Su Urunleri Konferansi, Ankara, Turkey, 16 - 18 May 2024

- III. **Determination of *Lactococcus formosensis* Predicted Virulence Factors**  
KUMRU S.  
Selcuk 9th International Conference on Applied Sciences, Konya, Turkey, 15 - 17 December 2023
- IV. **Exploring fish isolate *Pseudomonas rhodesiae* through Genome Sequencing and Comparative Genomics.**  
Patel F., KUMRU S., ER A., KAYIŞ Ş., Hanson L., Tekedar H. C.  
American Society for Microbiology South Central Branch Meeting, Little Rock, United States Of America, 9 - 11 November 2023
- V. ***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
- VI. **Deletion of two toxin-antitoxin systems and zeta toxin gene for determining their role in *Flavobacterium covae* infection**  
Pipkin M., Dharan V., Patel F., 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
- VII. **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
- VIII. **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
- IX. **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
- X. **Comparative Genome Analysis of the *Aeromonas veronii* strain ML09-123**  
Tekedar H. C., KUMRU S., Blom J., Abdelhamed H., Karsi A., Lawrence M. L.  
ASM (American Society for Microbiology) Microbe 2018, Atlanta, United States Of America, 7 - 11 June 2018
- XI. **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
- XII. **Characterization of Type VI Secretion System in *Edwardsiella ictaluri***  
Kalindamar S., Abdelhamed H., Kordon A. O., Lu J., KUMRU S., Tekedar H. C., Pinchuk L. M., Karsi A.  
ASM (American Society for Microbiology) South Central Branch Meeting, 19 - 21 October 2017
- XIII. **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
- XIV. **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
- XV. **Complete genome sequence of *Flavobacterium 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

**XVI. 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