

## Kişisel Bilgiler

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## Yönetilen Tezler

- SEVERCAN F., Obezitenin adipoz dokuda fourier dönüşümlü kızılötesi spektroskopisi ve görüntülemesi ile biyofiziksel karakterizasyonu ve teşhisi, Doktora, F.Küçük(Öğrenci), 2017
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- SEVERCAN F., E vitamini türevli yeni bir molekülün prostat kanseri hücre hattı üzerindeki etkileri, Doktora, N.Ergen(Öğrenci), 2016
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- SEVERCAN F., Streptozotosin'e bağlı olarak oluşturulan diyabetin sıçan testis dokusundaki etkileri ve c vitamini'nin iyileştirici rolü., Yüksek Lisans, D.Gültaş(Öğrenci), 2012
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- XVI. **Rapid classification of heavy metal-exposed freshwater bacteria by infrared spectroscopy coupled with chemometrics using supervised method**  
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- XXXIV. **Differentiation of Anatolian honey samples from different botanical origins by ATR-FTIR spectroscopy using multivariate analysis**  
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- X. **Investigation of Gender Effect on Obesity using a Model of Inbred Obese Mouse Lines by Fourier Transform Infrared Imaging**  
Baloglu F. K., Brockmann G., Heise S., Garip S., Severcan F.  
59th Annual Meeting of the Biophysical-Society, Maryland, Amerika Birleşik Devletleri, 7 - 11 Şubat 2015, cilt.108
- XI. **The Effect of Selenium Treatment On-Diabetic-Induced Structural Variations in the Molecules of Rat Kidney Plasma Membrane**  
Gurbanov R., Abbas S., Bilgin M., Severcan F.  
59th Annual Meeting of the Biophysical-Society, Maryland, Amerika Birleşik Devletleri, 7 - 11 Şubat 2015, cilt.108
- XII. **A Novel Method for Early Diagnosis of Malignant Pleural Mesothelioma from Human Serum Samples: ATR-FTIR Spectroscopy**  
Yonar D., SANDAL A., Emri S., Severcan F.  
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- XIII. **Fourier Transform Infrared Spectroscopy and Imaging in Cancer Diagnosis and Characterization**  
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- XIV. **The comparison of macromolecular changes in different acinetobacter isolates upon neomycin exposure**  
Kanat T., GÖZEN A. G., Severcan F.  
FEBS EMBO 2014 Conference, Paris, Fransa, 30 Ağustos - 04 Eylül 2014, cilt.281, ss.671
- XV. **A Novel Approach to Aquatic Ecotoxicology Applications of FTIR Spectroscopy**  
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- XVI. **Effects of Simvastatin on the structure and function of kidney brush border membrane macromolecules**  
Gocmen S. U., Ozek N. S., Severcan M., Severcan F.  
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- XVII. **Characterization of simvastatin-induced structural and functional alterations in the molecules of kidney brush border membrane by ATR-FTIR spectroscopy and chemometric approaches**  
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- XVIII. **FTIR microspectroscopic analysis of sodium butyrate induced differentiation in colon cancer cells in a time-dependent manner**  
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- XIX. **Epileptic Seizures-Induced Structural Changes in Rat Spine Bone Tissues: FTIR Microspectroscopic and Chemometric Study**  
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- XX. **Characterization of Sodium Butyrate Induced Differentiation in Colon Cancer Cells by Fourier Transform Infrared Spectroscopy and Microscopy**  
Ozek N. S., Sade A., BANERJEE S., Severcan F.  
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- XXI. **Application of FTIR Imaging on Healthy (Donor Age Effect) and Disease (Beta Thalassemia Major) States**  
Aksoy C., Uckan D., SEVERCAN F.  
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- XXII. **Phylogenetic differentiation of Aegilops and Triticum species by using ATR-FTIR spectroscopy**  
Demir P., ÖNDE S., Ozgen M., AVCI BİRSİN M., SEVERCAN F.  
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- XXIII. **Toward a protein profile of the zooplankton Daphnia pulex exposed to the pesticide cypermethrin using ATR FTIR spectroscopy as a novel method**  
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- XXIV. **The side-effects of convulsive epileptic seizures and Carbamazepine therapy on bone tissues of genetically-induced epileptic rats: An FTIR imaging and biomechanical study**  
Garip S., EVİS Z., İLBAY G., Boskey A. L., Severcan F.  
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- XXV. **Characterization and Differentiation of Protein Structural Changes in Type I-Diabetic Rat Testis Tissues and the Role of Vitamin C on Recovery: An FTIR Spectroscopic and Neural Network Study**  
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- XXVI. **The Structural Investigation of Protective Role of Antiepileptic Vigabatrin in Epilepsy Treatment by FTIR Spectroscopy and Neural Networks**  
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- XXVII. **Monitoring of Radioprotective Effects of Amifostine on Rat Liver Microsomal Membrane and Brain Tissue Lipids by FTIR Spectroscopy and Microspectroscopy.**  
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- XXVIII. **Applications of FTIR spectroscopy in aquatic sciences**  
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- XXIX. **Tuzluluğun ve balık avlanma baskısının Daphnia pulex in hayatta kalma oranı ve yaşam döngüsü parametreleri üzerindeki etkileri**  
Bezirci G., AKKAŞ S. B., YILDIRIM F., SEVERCAN F., BEKLİOĞLU YERLİ M.  
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- XXX. **Molecular investigation of the effect of diabetes on skeletal muscle: An FTIR study**  
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- XXXI. **Interactions of cholesterol reducing agent simvastatin with neutral DPPC and DMPC multilamellar liposomes**  
Kocak M., Severcan F.  
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- XXXII. **The investigation of the possible effects of cholesterol reducing agent simvastatin on rat testis tissue**

Ozek N. S., Sara Y., Onur R., Yilmaz O., Severcan F.

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**XXXIII. Interaction of picrotoxin with DPPC model membrane**

Gorgulu S. T., Severcan F., Wassall S., Stillwell W.

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**XXXIV. The investigation of early molecular consequences of chemically induced epileptic activity**

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AKKAŞ S. B., BEKLİOĞLU YERLİ M., SEVERCAN F.

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**XXXVI. The role of selenium treatment on diabetes-induced changes in rat heart at the molecular level**

Toyran N., Turan B., Severcan F.

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**XXXVII. An FTIR investigation of the effect of radiation and the possible protective effect of melatonin on rat brain crude membrane**

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**XXXVIII. Effect of STZ-induced diabetes on rat skeletal muscles: An FTIR study**

Erar H., Akkas B., Gorgulu S., Severcan F.

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**XXXIX. FTIR spectroscopic characterization of bleaching agents on human teeth**

Dogan A., Gokduman K., Bolay S., Gokalp S., Severcan F.

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**XL. Protein secondary structure prediction of STZ-induced diabetic and antioxidant treated diabetic rat kidney microsomal membranes by neural networks**

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**XLI. The effect of lipoic acid and vitamin E on rat brain: An FTIR spectroscopic approach**

Akkas S., Yilmaz O., Severcan F.

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**XLII. Antiepileptic agent vigabatrin - Model membrane interaction**

Gorgulu S., Deniz O., Komsuoglu S., Severcan F.

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**XLIII. FTIR spectroscopic analysis of rainbow trout liver exposed to 17 beta-estradiol**

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**XLIV. An FTIR investigation of the effects of melatonin on rat brain crude membrane**

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**XLV. Interaction of melatonin with zwitterionic model membranes**

Severcan F., Sahin I., Kazanci N.

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**XLVI. Balık sinyalinin Fourier Transform Infrared spektroskopisi ile araştırılması**

AKKAŞ S. B., TÜRKER S., Zorlu P., BEKLİOĞLU YERLİ M., SEVERCAN F.

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