

## Gut microbiota and it's relation with some diseases

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### Abstract

Each individual encompasses a unique intestine microbiota. It has numerous capacities within the body such as supplement digestion system, the intestine mucosal boundary support, immunomodulation and security against pathogens. Intestine microbiota is composed of various microbe species. Gut microbiota has roles in numerous illnesses. The interaction of gut microbiota with numerous diseases was searched through literature and a review was formed. Intestinal microbial communities play an important role in energy homeostasis and may thus modulate weight loss or gain and obesity-associated disorders. Also, the relation of gut microbiota and bacterial metabolites with regulation of blood pressure, chronic kidney disease, cardiovascular disease, inflammatory bowel disease, allergy, asthma and cancer has been defined. Additionally, gut microbiota has roles in several neurodegenerative disorders including Parkinson's disease, Alzheimer's disease. The gut microbiota and related various diseases reflects the importance of microbial association in regulation of these diseases.

### Biography:

Munevver ARISOY has completed her PhD from Hacettepe University Science Faculty, Biology Department and postdoctoral studies from Health Science Faculty and Dentistry Faculty of Ankara University. She is the head of the Basic Medical Sciences Department of Dentistry Faculty, Ankara University. She has published more than 38 papers in reputed journals.



### Speaker Publications:

1. Chapter 28 the importance of microbiota and relation of gut microbiota with various diseases ayça Dilara Vilmaz and Münevver arisoy Chapter Sep 2020 ISBN: (10):1-5275-5524-0 (13:)9-78-1-5275-5524-

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(<https://physicalchemistry.annualcongress.com/abstract/2020/ionic-liquid-green-synthesis-of-ceo2-nanorods-and-nano-cubes-investigation-of-the-shape-dependent-on-catalytic-performance>)

