

## The Frequency of *Vibrio Parahaemolyticus* in Southeastern Coast of Caspian Sea

**Ahmad Halako, A. (MSc)**

Instructor of Islamic Azad university-  
Izeh Branch

**Amirmozfari, N. (PhD)**

Associate Professor of  
Iran University of medical sciences

**Forohesh, A.**

Instructor of  
Iran University of medical sciences

**Mahmood khormali, M. (BSc)**

Microbiology, Tehran University of  
medical sciences

**Corresponding Author:** Ahmad  
Halako

**E.mail:** [ahmadhalako@yahoo.com](mailto:ahmadhalako@yahoo.com)

### Abstract

**Background and Objectives:** *Vibrio parahaemolyticus* is one of pathogenic species of vibrio. It is a salt-requiring organism. It causes watery diarrhea often with abdominal cramping, nausea, vomiting and fever. This study was performed to assess the seawater samples of Caspian coastal regions.

**Materials and methods:** Methods used to isolate this organism were APW and TCBS agar media and then biochemistry tests were used to distinguish *vibrio parahaemolyticus*.

**Results:** Of 73 seawater samples, we could isolate 32 *Vibrio parahaemolyticus* (16 of them from Bandar Turkmen, 10 of Bandar Gaz and the rest from Khomishan region.)

**Conclusion:** This study indicated that *Vibrio parahaemolyticus* can be found abundantly in Caspian coastal regions.

**Key words:** Southeastern Caspian coastal regions, *Vibrio parahaemolyticus*, distribution,