



## Mechanisms of Antibiotic Resistance

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### Abstract:

Antibiotics have become one of the most important medical discoveries needed for the complex medical approaches such as solid organ transplantation and management of patients with cancer, among others.

Unfortunately, with an increase in using antibiotics, it increases resistance too among common bacterial. Pathogens are now threatening this therapeutic accomplishment.

In fact, the World Health Organization has named antibiotic resistance as one of the three most important public health threats of the 21st century.

Resistance can be naturally as in gram-negative against Penicillin and it can be accompanied as in gene mutation like gene responsible to release beta-lactamase to destroy beta-lactam antibiotics.

### Biography:

Fatima Medhat, Pharmacy Student in Mansoura University, in last year, In March 2020 I participated in the eighth scientific conference held in my university every year and my topic was about the MRSA. Fatima Medhat, a senior pharmacy student at Mansoura University in Egypt. She was a member of student activity “Egyptian Pharmaceutical Students Federation” (EPSF). For two years I was in the Public Health Committee and participated in two awareness campaigns. The first was to raise awareness of the danger of circumcision for girls. The second is to raise awareness of the risk of excessive use of antibiotics. She was also at the Marketing and Media The committee in EPSF-National Symposium as a content writer. Now, She is a volunteer translator at Coursera, I help to translate the content of their online courses to Arabic so



it will be easy for any Arabic student to learn in Coursera. She has a great interest in scientific research and learning. In March 2020 I participated in the eighth scientific conference held in my university every year and my topic was the MRSA. She also has experience in my field because I trained in many community pharmacies, and Now I am a trainee at Double Bond Company. She has experience with Microsoft Office and I have a passion for learning and improving my skills.

### Recent Publications:

1. A review on stem cell research & their role in various diseases
2. Genetic Toxicology Research in Developing Countries: Challenges and Possibilities—Egypt as an Example
3. Report on the Regional consultation to follow up on the Mexico Ministerial Summit on Health Research, Rawalpindi, Pakistan, 29-30 November 2005
4. Semi supervised auto encoder for sentiment analysis

[Webinar on Antibiotics, November 21, 2020, Dubai, UAE](#)

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