



Name:- Shaymaa Hassan Mohammed H. Abdel-Rhman

Position: Associate Professor

Education:- PhD

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Research interests: Molecular microbiology, Microbial resistance

Selected Publications:

1. **Shaymaa H. Abdel-Rhman** and Dina E. Rizk (2016) Effect of Tyrosol on Antimicrobial Susceptibility, Biofilm Formation and Virulence Factors of Staphylococcus aureus. African Journal of Microbiology Research, 10(20), 687-693.
2. H. E. Gaffer, H. M. Mashaly, **Sh. H. Abdelrahman** (2016): Synthesis of novel dyes based on curcumin for the creation of antibacterial silk fabrics. Pigment & Resin Technology (In press).
3. Abdel-Halem A. Abdel-hamed, **Shaymaa H. Abdel-Rhman**, Mohamed Adel El-Sokkary (2016) Studies on leukocidins expression and antimicrobial sensitivity in Staphylococcus aureus isolated from various clinical sources. African Journal of Microbiology Research, 10(17), 591-599.
4. Enas Yasser Mohammed, **Shaymaa Hassan Abdel-Rhman**, Rasha Barwa, Mohammed Adel El-Sokkary (2016): Studies on enterotoxins and antimicrobial resistance in Staphylococcus aureus isolated from various sources. Advances in Microbiology, 6, 263-275.
5. Rehab M. Elbargisy, Dina E. Rizk and **Shaymaa H. Abdel-Rhman** (2016) Toxin Gene Profile and Antibiotic Resistance of Staphylococcus aureus isolated from Clinical and Food Samples in Egypt. African Journal of Microbiology Research, 10(13): 428-437.
6. **Shaymaa H. Abdel-Rhman** (2016) Evaluation of total RNA isolation methods from Staphylococcus aureus. New Egyptian journal of Microbiology, 43, 50-57.
7. **Shaymaa Hassan Abdel-Rhman**, Areej Mostafa El-Mahdy, and Mohammed El-Mowafy (2015). Effect of Tyrosol and Farnesol on Virulence and Antibiotic Resistance of Clinical Isolates of Pseudomonas aeruginosa. BioMed Research International, Volume 2015, Article ID 456463, 7 pages
8. **Shaymaa H. Abdel-Rhman**, Sara M. Khalifa, Khaled H. Abd El Galil, Rasha M. Barwa (2015). Prevalence of Toxins and Antimicrobial Resistance among E. coli Isolated from Meat. Advances in Microbiology, 5, 737-747.
9. Khalifa, S. M., **Abdel-Rhman, H., SH.**, Abd El Galil K. H., Habib, E. and Barwa, R. (2014): Occurrence and characterization of Staphylococcus

- aureus in meat and meat products marketed in Mansoura, Egypt. Egyptian journal of Medical Microbiology, 23(3): 47-56.
10. Waleed A. Bayoumi, **Shaymaa H. Abdel-Rhman** and Mohamed E. Shaker (2014): Synthesis and Evaluation of New 2-Iminothiazolidin-4-one and Thiazolidin-2,4-dione Derivatives as Antimicrobial and Anti-inflammatory Agents. Open Chemistry Journal, 1, 33-38.
 11. **Shaymaa Hassan Mohamed Abdel-Rhman**; Areej Mostafa El- Mahdy and Eman Salama Ahmed Abdelmegeed: Optimization of protease production by *Ps. aeruginosa* PAO1 and Physico-chemical characterization of the enzyme. J Am Sci 2014;10(7): 62-72.
 12. El Naggar, W., El-Sokkary, M. A., Barwa, R. and **Abdel-Rhman, H., SH.** (2011): Phenotypic and Genotypic Studies on Antibacterial Efflux Pumps in *Pseudomonas aeruginosa*. Egyptian journal of Medical Microbiology, 20(1): 99-106.
 13. El-Naggar W., El-Sokkary M. A., Barwa R., Abd El Galil K., Shokralla S. and **Abdel-Rhman H. SH.** (2011): Phenotypic and Genotypic Characteristics in Relation to Some Efflux Pump Systems in *Escherichia coli* and *Klebsiella pneumoniae* Clinical Isolates. The Egyptian journal of Medical Microbiology, 20 (3): 1-14.
 14. EL-Sokkary, M.A., EL-Sayed E. Habib and **Shima Hassan** (2011): Production of lipase enzyme by clinical *Pseudomonas* species isolated from Mansoura University hospitals. Egyptian journal of Biotechnology, 38:1-15.

Patents: ---

Recognitions:

Excellence certificates for being among the top ten ranked students throughout the 5 years period of study in the faculty of pharmacy, Mansoura University, Egypt (1997-2002).

Link to detailed C.V:-

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