

Microbiology & Immunology Department publications 2020

1. Seleem NM, Abd El Latif HK, Shaldam MA, **El-Ganiny AM.** (2020) Drugs with new lease of life as quorum sensing inhibitors: for combating MDR *Acinetobacter baumannii* infections. *Eur J Clin Microbiol Infect Dis.*1-16 <https://doi.org/10.1007/s10096-020-03882-z>
2. Kadry A. A., AlKashef N. M., **El-Ganiny AM.** (2020). Distribution of genes encoding adhesins and biofilm formation capacity among uropathogenic *Escherichia coli* isolates in relation to the antimicrobial resistance. *African Health Sciences.*20 (1): 238-247
3. Abbas, H. A., Atallah, H., El-Sayed, M. A., & El-Ganiny, A. M. (2020). Diclofenac mitigates virulence of multidrug-resistant *Staphylococcus aureus*. *Archives of Microbiology*, 1-10
4. Abbas, H. A., Shaldam, M. A., & Eldamasi, D. (2020). Curtailing Quorum Sensing in *Pseudomonas aeruginosa* by Sitagliptin. *Current Microbiology*, 1-10.
5. Mohamed, B., Abdel-Samii, Z. K., Abdel-Aal, E. H., Abbas, H. A., Shaldam, M. A., & Ghanim, A. M. (2020). Synthesis of imidazolidine-2, 4-dione and 2-thioxoimidazolidin-4-one derivatives as inhibitors of virulence factors production in *Pseudomonas aeruginosa*. *Archiv der Pharmazie*, 353(5), e1900352.
6. Abbas, H. A., & Hegazy, W. A. (2020). Repurposing anti-diabetic drug “Sitagliptin” as a novel virulence attenuating agent in *Serratia marcescens*. *Plos one*, 15(4), e0231625.
7. Askoura, M., Saleh, M., & Abbas, H. (2020). An innovative role for tenoxicam as a quorum sensing inhibitor in *Pseudomonas aeruginosa*. *Archives of Microbiology*, 202(3), 555-565.
8. Mostafa, I., **Abbas, H. A.**, Ashour, M. L., Yasri, A., El-Shazly, A. M., Wink, M., Sobeh, M. (2020). Polyphenols from *Salix tetrasperma* impair virulence and inhibit Quorum sensing of *Pseudomonas aeruginosa*. *Molecules*, 25(6), 1341.
9. Mohamed, F. A., Shaker, G. H., **Askoura, M. M.** (2020). Oxidative Stress Influences *Pseudomonas aeruginosa* Susceptibility to Antibiotics and Reduces Its Pathogenesis in Host. *Current Microbiology*, 77(3), 479-490.
10. **Askoura, M.**, Hegazy, W. A. H. (2020). Ciprofloxacin interferes with *Salmonella Typhimurium* intracellular survival and host virulence through repression of *Salmonella* pathogenicity island-2 (SPI-2) genes expression. *Pathogens and Disease*, 78(1), ftaa011.
11. **Askoura, M.**, Youns, M., Hegazy, W. A. H. (2020). Investigating the influence of iron on *Campylobacter jejuni* transcriptome in response to acid stress. *Microbial pathogenesis*, 138, 103777.
12. **Metwaly, G. Y.**, Wu, Y., Peplowska, K., Röhrl, J., Soh, Y. M., Bürmann, F., Storchova, Z. (2020). Phospho-regulation of the Shugoshin-Condensin interaction at the centromere in budding yeast. *PLoS Genetics*, 16(8), e1008569.
13. Wehrmann, M., **Elsayed, E. M.**, Köbbing, S., Bendz, L., Lepak, A., Schwabe, J., Klebensberger, J. (2020). An engineered PQQ-dependent alcohol dehydrogenase for the oxidation of 5-(hydroxymethyl) furoic acid. *ACS Catalysis*.

