

Saad, K. M., Gómez-Aguilar, J. F. and **Almadiy, A. A. (2020)**: A fractional numerical study on a chronic hepatitis C virus infection model with immune response. *Chaos, Solitons and Fractals*, 139:1-10.

Harraz, F. A. Faisal, M. Jalalah, M. **Almadiy, A. A.** Al-Sayari , Al-Assiri, M.S. and Al-Assiri, M. S. **(2020)**: Conducting polythiophene/ α -Fe₂O₃ nanocomposite for efficient methanol electrochemical sensor. *Applied Surface Science*. 508:1-8.

Abd El-Aziz, N. M., Nirvina A. Ghazawy, N. A., **Almadiy, A. A.**, and Al-Ghamdi M. S. **(2020)**: Impact of Dopamine and Hydrogen Peroxide on Physiological Stress Parameters of *Sarcophaga surcoufi* (Diptera: Sarcophagidae). *J. Entomol. Sci.* 55: 2. 1-11.

Almadiy, A. A. (2020): Chemical composition, insecticidal and biochemical effects of two plant oils and their major fractions against *Aedes aegypti*, the common vector of dengue fever. *Heliyon* 6: e04915.

Almadiy, A. A. (2020): Chemical profile, mosquitocidal, and biochemical effects of essential oil and major components of *Dysphania ambrosioides* against *Culex quinquefasciatus* Say. *Environmental Science and Pollution Research*, 27:41568–41576.

Faisal, M., Harraz, E. A., Ali E. Al-Salami, A. E., El-Toni., A. M., **Almadiy, A. A.**, Khan, K., Labis, J. P., Al-Sayari, S. A. and Mohammad S. Al-Assiri, M. S. **(2019)**: Enhanced photocatalytic reduction of Cr(VI) on silver

nanoparticles modified mesoporous silicon under visible light. *J Am Ceram Soc.* 102:5071–5081.

Harraz, F. A., Faisal, M., Al-Salami, A. E., El-Toni, A.M., **Almadiy**, A.A. Al-Sayari, S.A. and Al-Assiri, M. S. **(2019)**: Silver nanoparticles decorated stain-etched mesoporous silicon for sensitive, selective detection of ascorbic acid. *Materials Letters* 234: 96–100.

Elamir E.E., **Almadiy A.A.**, Nenaah G., N., Alabas A.A. & Alsaqri H.S. **(2019)** Comparing six mathematical link function models of the antifeedant activity of lesser grain borer exposed to sub-lethal concentrations of some extracts from *calotropis procera*, *Bioengineered*, 10:1, 292-305.

Srivastava, H. M., Saad, K. M., Gomez-Aguilar, J. F. and **Almadiy**, A. A. **(2020)**: Some new mathematical models of the fractional-order system of human immune against IAV infection. *MBE*, 17(5): 4942–4969.

Bassal, T. T. M., Shaaban, M. R., Mohamed, A. A. and **Almadiy**, A. A. **(2018)**: Insect juvenoids: structural qualifications and structure-activity relationships of alkylphenoxy-substituted terpenes as insect growth disruptors against *Spodoptera littoralis* (Boisduval) (Lepidoptera: Noctuidae) – revisited *African Entomology* 26(2): 522–535.

Almadiy A.A., Nenaah G., Shawer, DM. **(2018)** Facile synthesis of silver nanoparticles using harmala alkaloids and their insecticidal and growth inhibitory activities against the khapra beetle. *Journal of Pest Science* 91 (2), 727-737

Almadiy A., Nenaah G. **(2018)** Ecofriendly Synthesis of Silver Nanoparticles Using Potato Steroidal Alkaloids and Their Activity Against Phytopathogenic Fungi. *Brazilian Archives of Biology and Technology* 61 (e18180013).doi.org/10.1590/1678-4324.

Almadiy, A.A., Nenaah G., Al Assiuty B.A., Moussa E.A., Mira N. M. **(2016)**. Chemical composition and antibacterial activity of essential oils and major fractions of four *Achillea* species and their nanoemulsions against foodborne bacteria. *LWT-Food Science and Technology* 69 (2016) 529-537