

Short CV: Mosad Ghareeb:

Mosad Ghareeb "Lecturer of Medicinal Chemistry, Theodor Bilharz Research Institute (TBRI)". Graduate from Faculty of Science Banha University (B.Sc.). Completed post graduate studies in Organic Chemistry, Chemistry of Natural Products (M.Sc.; Ph.D.). Carried research work on phytochemistry including isolation, purification and structural elucidation of the different classes of natural products which isolated from medicinal plants. Biological evaluation of the extracts, fractions and the isolated compounds as anti-tumor (Cell Lines), anti-HIV, antimicrobial, antioxidant, hepatoprotective ect. The incorporated research topics were on: Study the structure activity relationship (SAR) of the isolated compounds as well as nanoparticles technology. In details, my research interests focus on finding out novel bioactive antioxidant and anticancer chemo-preventive agents from the medicinal plants by subjecting the plants under investigation to comprehensive bioassay-guided investigation to isolate and evaluate the anticancer related activities of the known and novel secondary metabolites that might be present in these plants. Isolation and identification of the potent anti-tumor lead compounds based on various chromatographic methods, and spectroscopic NMR and MS analysis. Study the mechanism of action and evaluating the cytotoxicity, antioxidant and antitumor *in vitro* activities of the obtained extracts, fractions, sub-fractions, and the isolated secondary metabolites in a close collaboration with the biologists and pharmacologists. Participated in 6 research projects sponsored by international (including; Morocco-Egyptian cooperation), STDF, and worked as Co-principal investigator and member in three research project funded by TBRI as well member in one research project funded by NRC . Published 12 research articles in peer reviewed national and international journals. Peer reviewer for the Medicinal Chemistry Research (2013, 2014 and 2016), Issues in Biological Sciences and Pharmaceutical Research (2013), British Journal of Pharmaceutical Research (2014), Medicinal and Aromatic Plant Research Journal (2014, 2015), World Journal of Medicine and Medical Science Research (2014), Agricultural and Food Chemistry (2014), and Advancement in Medicinal Plant Research (2015). Supervised 2 M.Sc. and 1 Ph.D. theses. Worked as Assistant Manager of Technology, Innovation and Commercialization Office (TBRI-TICO). Awarded 2003 Academic Excellence in Bachelor Best Achievers from President of Arab Republic of Egypt Mohamed Hosny Mubarak and Minister of Administrative Development.

List of most relevant publications

1. Mortada M. El-Sayed, Maher M. El-Hashash, Eman A. El-Wakil, **Mosad A. Ghareeb**. Total Phenolic Contents and Antioxidant Activities of *Ficus sycomorus* and *Azadirachta indica*. *Pharmacologyonline* 3, 590-602, 2009.
2. Mortada M. El-Sayed, Maher A. Mohamed, Hanan A. El-Nahas, Sayed A. El-Toumy, Eman A. El-Wakil, **Mosad A. Ghareeb**. Bio-guided isolation and structure elucidation of antioxidant compounds from the leaves of *Ficus sycomorus*. *Pharmacologyonline* 3, 317-332, 2010.
3. Mortada M. El-Sayed, Ahmed M. Abdel-Hadi, Abdel-Nasser A. Sabra, Mahar A. Mohamed, Eman A. Elwakil, **Mosad A. Ghareeb***. Effect of *Ficus sycomorus* and *Azadirachta indica* extracts on liver state of mice infected with *Schistosoma mansoni*. *Journal of the Egyptian Society of Parasitology* 41(1), 77-88 2011.
4. El-Sayed M. M., Mahmoud M. A., El-Nahas H. A., El-Toumy S. A., El-Wakil E. A., **Ghareeb M. A***. Chemical constituents, antischistosomal and antioxidant activity of methanol extract of *Azadirachta indica*. *Egyptian Journal of Chemistry* 54, 105-119, 2011.
5. **Mosad A. Ghareeb***, Hussein A. Shoeb, Hassan M.F. Madkour, Laila A. Refahy, Mona A. Mohamed and Amal M. Saad. Radical scavenging potential and cytotoxic activity of phenolic compounds from *Tectona grandis* (Linn.). *Global Journal of Pharmacology* 7(4): 486-497, 2013.
6. Hussein A. Shoeb, Hassan M. F. Madkour, Laila A. Refahy, Mona A. Mohamed, Amal M. Saad, **Mosad A. Ghareeb***. Antioxidant and cytotoxic activities of *Gmelina arborea* (ROXB.) leaves. *British Journal of Pharmaceutical Research* 4(1): 125-144, 2014
7. **Mosad Ahmed Ghareeb***, Hussein Ahmed Shoeb, Hassan Mohamed Fawzy Madkour, Laila Abdel-Ghany Refaey, Mona Abdel-Motagaly Mohamed, Amal Mohamed Saad. Antioxidant and cytotoxic activities of *Tectona grandis* Linn leaves. *International Journal of Phytopharmacology* 5(2): 143-157, 2014.
8. **Mosad A. Ghareeb***, Hussein A. Shoeb, Hassan M.F. Madkour, Laila A. Refahy, Mona A. Mohamed and Amal M. Saad. Antioxidant and cytotoxic activities of flavonoidal compounds from *Gmelina arborea* (Roxb.). *Global Journal of Pharmacology* 8(1): 87-97, 2014.
9. Marwa S. Salem, Dalal B. Guirguis, Eman A. E. El-Helw, **Mosad A. Ghareeb**, Hamed A. Y. Derbala. Antioxidant Activity of Heterocyclic Compounds Derived from 4-(4-Acetamidophenyl)-4-oxobut-2-enoic Acid. *International Journal of Science and Research* 3(5): 1274-1282, 2014.
10. **Mosad A. Ghareeb**, Laila A. Refahy, Amal M. Saad, Nadia S. Osman, Mohamed S. Abdel-Aziz, Maha A. El-Shazly, Asmaa S. Mohamed. *In Vitro* Antimicrobial Activity of Five Egyptian Plant Species. *Journal of Applied Pharmaceutical Science*. 5(2): 045-049, 2015.
11. **Mosad A. Ghareeb**, Laila A. Refahy, Amal M. Saad, Nadia S. Osman, Mohamed, Maha A. El-Shazly, Asmaa S. Mohamed. Cytotoxic screening of three Egyptian plants using brine shrimp lethality test. *International Journal of Pharmacy and Pharmaceutical Sciences*. 7(9):507-509, 2015.
12. **Mosad A. Ghareeb**, Laila A. Refahy, Amal M. Saad, Wafaa S. Ahmed. Chemical composition, antioxidant and anticancer activities of the essential oil from *Eucalyptus citriodora* (Hook.) leaves. *Der Pharma Chemica*. 8(1):192-200, 2016.