

# Pharmacognosy Department Publications Database

## Publications 2023

1. **Phytochemical Constituents, Folk Medicinal Uses, and Biological Activities of Genus *Angelica*: A Review**, G.S. Batiha, H.M. Shaheen, E.A. ElHawary, N.M. Mostafa, O.A. Eldahshan, J.M. Sabatier, *Molecules*, 2023, **28**: p. 267.

Impact factor = 4.927

2. **GC/MS Analysis, Cytotoxicity, and Antiviral Activities of *Annona glabra* Hexane Extract Supported by *In Silico* Study**, D.M. Soleman, O.A. Eldahshan, M.H. Ibrahim, H.A. Ogaly, H.M. Galal, G.S. Batiha, R.H. Elkoussy, *Molecules*, 2023, **28**: p. 1628.

Impact factor = 4.927

3. **Phytochemical screening and radioprotective potential of *Jasminum grandiflorum* methanol extract against gamma irradiation-induced oxidative damage and diverse inflammatory mediators in lungs of male Swiss *Albino* Rats**, N. Ibrahim, O. A. Eldahshan, O.E. Elshawi, *Natural Product Research*, 2023, p: 1-6.

Impact factor = 2.488

4. **Essential Oil of *Cestrum diurnum* L.: GC/MS Analysis, in vitro and in silico Anti-HCoV-229E Effects and Inhibitory Activity against LPS-Induced Inflammation**, D.M. Bahgat, H.A. Gad, E. Al-Sayed, S.H. Mahmoud, A. Mostafa, N.M. Mahfouz, O. A. Eldahshan, A.N.B. Singab, *Chemistry and Biodiversity*, 2023.

Impact factor = 2.754

5. **Insights on benzodiazepines' potential in Alzheimer's disease**, H.M. Al-Kuraishy, A.L. Al Gareeb, A.A. AlSayegh, W.F. Abusudah, N.H. Almohmadi, O.A. Eldahshan, E.A. Ahmed, G.S. Batiha, *Life Sciences*, 2023, p: 121532.

Impact factor = 6.78

6. **Sweroside: An iridoid glycoside of potential neuroprotective, antidiabetic, and antioxidant activities supported by molecular docking**, G. Zengin, M. El-Raey, W. El-Kashak, G.S. Batiha, D. Althumairy, S. Alamer, N.M. Mostafa, O. A. Eldahshan, *Amino Acids*, 2023

Impact factor = 3.789

7. **Comparative GC-MS Analysis of Fresh and Dried *Curcuma* Essential Oils with Insights into Their Antioxidant and Enzyme Inhibitory Activities**, N.M. Fahmy, S. Fayez, A. I. Uba, M. A. Shariati, A.S. Aljohani, E. M. El-Ashmawy, G.S. Batiha, O. A. Eldahshan, A.N.B. Singab, G. Zengin, *Plants*, 2023, **12**: p. 1785

Impact factor = 4.658

8. **GC/Ms analysis and antimicrobial activities of different extracts of Egyptian sprouting Broccoli leaves (*Brassica oleracea* L. var. *italica*) family Brassicaceae**, O.A. Eldahshan, M. Abdelhalim, E. Al-Sayed, K.A. Saad, *Archives of Pharmaceutical Sciences Ain Shams University*, 2023, **7**: p. 31-40.

9. **Ethyl lauroyl arginate-based hydrophobic ion pair complex in lipid nanocapsules: A novel oral delivery approach of rosmarinic acid for enhanced permeability and bioavailability**, H.A. Gad, R.A. Ishak, R. M. Labib, A.O. Kamel, *International Journal of Pharmaceutics*, 2023, **630**: p. 122388.

Impact factor = 6.51

10. **Comparative Histological and Immunohistochemical Study on the Effect of Platelet-Rich Plasma, Adipose Tissue Derived Mesenchymal Stem Cells, and Mesenchymal Stem Cells Derived Exosomes in Experimentally Induced Corneal Alkali Burn in Albino Rats**, S. Nasr, A. Fares, E. Al-Sayed, A. El-Shafei, *Egyptian Journal of Histology*, 2023.

Impact factor = 0.4

11. **Phytoecdysteroids and Anabolic Effect of *Atriplex dimorphostegia*: UPLC-PDA-MS/MS Profiling, *In Silico* and *In Vivo* Models**, E. Zaghoul, H. Handousa, A.N.B. Singab, M.M. Elmazar, I.M. Ayoub, N. Swilam, *Plants*, 2023, **12**: p. 206.

Impact factor = 4.658

12. **Comparative metabolic profiling of olive leaf extracts from twelve different cultivars collected in both fruiting and flowering seasons**, E.M. Kabbash, Z.T. Abdel-Shakour, S.H. El-Ahmady, M. Wink, I.M. Ayoub, *Scientific Reports*, 2023, **13**: p. 1-13.

Impact factor = 4.996

13. **Metabolomics approach of *Symphytichum squamatum* ethanol extract and its nano-Ag formulation protective effect on gastric ulcer via bio-chemical and pathological analyses**, H.A. Hassan, I.M. Ayoub, T.I.M. Ragab, S.M. Afifi, A. El-Gendy, A.R. Farrag, A.M. Abdel-Gawad, M. Farag, A. ElShamy, N. Ammar, *Biomarkers*, 2023, **28**: p. 190-205.

Impact factor = 2.663

14. **Metabolic profiling, antioxidant, and enzyme inhibition potential of *Iris pseudacorus* L. from Egypt and Japan: A comparative study**, S.M. Yehia, I.M. Ayoub, M. Watanabe, H.P. Devkota, A.N.B. Singab, *Scientific Reports*, 2023, **13**: p.5233

Impact factor = 4.996

15. **Chemical and Biological Review of Endophytic Fungi Associated with *Morus* sp.(Moraceae) and *In Silico* Study of Their Antidiabetic Potential**, M.M. AbdelRazek, A.M. Elissawy, N.M. Mostafa, A.Y. Moussa, M.A. Elanany, M.A. ElShanawany, A.N.B. Singab, *Molecules*, 2023, **28**: p. 1718.

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16. ***Aspergillus* co-cultures: A recent insight into their secondary metabolites and microbial interactions**, A. Alanzi, E.A. ElHawary, M.L. Ashour, A.Y. Moussa, *Archives of Pharmacal Research*, 2023, p. 1-26.

Impact factor = 4.946

17. **Phytochemical Investigation of Three *Cystoseira* Species and Their Larvicidal Activity Supported with *In Silico* Studies**, S.H. Aly, A. M. Elissawy, D. Salah, N.A. Alfuhaid, O.H. Zyaan, H.I. Mohamed, A.N.B. Singab, S.M. Farag, *Marine Drugs*, 2023, **21**: p. 117.

Impact factor = 5.118

18. **Synergistic Effect of *Sophora japonica* and *Glycyrrhiza glabra* Flavonoid-Rich Fractions on Wound Healing: *In Vivo* and Molecular Docking Studies**, S.H. Aly, A. M. Elissawy, A. Mahmoud, F. El-Tokhy, S. Mageed, H. Almahli, S.T. Al-Rashood, F. Binjubair, M. Hassab, W. Eldehna, *Molecules*, 2023, **28**: p. 2994.

Impact factor = 4.927

19. **Unearthing the fungal endophyte *Aspergillus terreus* for chemodiversity and medicinal prospects: a comprehensive review**, K. Amr, N. Ibrahim, A. M. Elissawy, A.N.B. Singab, *Fungal Biology and Biotechnology*, 2023, **10**: p. 1-33.

Impact factor = 5.71

20. **Seasonal metabolic profiling of *Valencia* orange leaf essential oil using GC coupled with chemometrics, nano-formulation, and insecticidal evaluation: *in vivo* and *in silico***, E.M. Abd- Elghani, A. E. El Sayed, M.M. Emam, A.M. Al-Mahallawi, S. Tadros, F.M. Soliman, F.S. Youssef, *RSC Advances*, 2023, **13**: p. 1659-1671.

Impact factor = 4.036

21. **Non-Food Applications of Coriander Seed Extracts**, M. Gamal El-Din, F.S. Youssef, *Handbook of Coriander (*Coriandrum sativum*)*, 2023.

22. **A perspective study of the possible impact of obeticholic acid against SARS-CoV-2 infection**, G.S. Batiha, H. Al-Kuraishy, A.L. Al Gareeb, F. S. Youssef, S. El-Sherbini, W. Negm, *Inflammopharmacology*, 2023, **31**, p. 9-19.

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23. **Chemical characterization of the polyphenolic rich fraction of *Thunbergia erecta* and its therapeutic potential against doxorubicin and cyclophosphamide-induced cognitive impairment in rats**, M. Gamal El-Din, M. George, F.S. Youssef, *Journal of Ethnopharmacology*, 2023, **307**, p. 116213.

Impact factor = 4.36

24. **Recent advances in the discovery, biosynthesis, and therapeutic potential of isocoumarins derived from fungi: a comprehensive update**, M. Tammam, M. Gamal El-Din, A. Abood, A. El-Demerdash, *RSC Advances*, 2023, **13**: p. 8049-8089.

Impact factor = 4.036

25. **Family Myrtaceae: The treasure hidden in the complex/diverse composition**, F. R. Saber, P.E. Punekata, K. Rizwan, H. El-Nashar, N.M. Fahmy, S.H. Aly, M. El-Shazly, A. Bouyahya, J. Lorenzo, *Critical Reviews in Food Science and Nutrition*, 2023, p. 1-19.

Impact factor = 11.18

26. **Antioxidant and Pulmonary Protective Potential of *Fraxinus xanthoxyloides* Bark Extract against CCl<sub>4</sub>-Induced Toxicity in Rats**, T. Younis, F. Jabeen, A. Hussain, B. Rasool, A. Raza, A. Nawaz, H. El-Nashar, M. El-Shazly, *Chemistry & Biodiversity*, 2023, **20**.

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27. **Newly-sprouted leaves at the stem base differ anatomically and histochemically from the crown leaves in *Ficus johannis***, S. Soliman, N. Ashmawy, A. Hamoda, H. Gad, A. El-Keblawy, *Botany Letters*, 2023, p. 1-9.

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28. **Insights on *Citrus clementina* essential oil as a potential antiaging candidate with a comparative chemometric study on different cultivars**, H. Gad, M. El Hassab, S. Elhady, N.M. Fahmy, *Industrial Crops and Products*, 2023, **194**: p. 116349.

Impact factor = 6.40

29. **Amoxicillin-docosahexaenoic acid encapsulated chitosan-alginate nanoparticles as a delivery system with enhanced biocidal activities against *Helicobacter pylori* and improved ulcer healing**, S. Khoshnood, B. Negahdari, V. Kaviar, N. Sadeghifard, M. Abdullah, M. El-Shazly, M. Haddadi, *Frontiers in microbiology*, 2023, **14**.

Impact factor = 6.064

30. **UHPLC-MS profiles and antidiarrheal activity of *Quercus coccinea* münchh. and *Quercus robur* L. employing *in vivo* technique**, M. Mady, R. Ibrahim, K. El-Sayed, M. El-Shazly, L. Chen, K. Lai, F. ElShaarawy, F. Moharram, *Frontiers in Pharmacology*, 2023, **14**.

Impact factor = 5.988

31. **Mathematical modeling of *Escherichia coli* O157: H7 growth in carrot juice influenced by *Thymbra capitata* essential oil, heat treatment, and storage temperature**, S. Charfi, N. Boujida, A. Bouyahya, M. El-Shazly, A. Khamlichi, J. Abrini, N. Senhaji, *International Journal of Food Microbiology*, 2023, **386**: p. 110044.

Impact factor = 5.911

32. **Effects of Mediterranean diets and nutrigenomics on cardiovascular health**, S. Bakrim, S. Aboulaghras, T. Aanniz, T. Benali, N. El Omari, M. El-Shazly, L. Lee, S. Mustafa, N. Sahib, M. Rebezov, *Critical reviews in food science and nutrition*, 2023, p. 1-20.

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33. **Therapeutic potential and industrial applications of *Terminalia arjuna* bark**, V. Kumar, N. Sharma, R. Saini, S. Mall, G. Zengin, A. Sourirajan, P. Khosla, K. Dev, M. El-Shazly, *Journal of Ethnopharmacology*, p. 116352.

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34. **Ancistrobrevinium A, the first N-methylated, cationic naphthylisoquinoline alkaloid, from the tropical liana *Ancistrocladus abbreviatus* (Ancistrocladaceae)**, N. Tajuddeen, S. Fayez, P. Kushwaha, D. Feineis, L. Assi, S. Kumar, G. Bringmann, *Natural Product Research*, 2023, p.1-5.

Impact factor = 2.488

35. **Dioncophyllidine E: The first configurationally semi-stable, 7, 3'-coupled naphthyldihydroisoquinoline alkaloid, from *Ancistrocladus abbreviatus*, with antiausterity activity against PANC-1 human pancreatic cancer cells**, S. Fayez, A. Cacciatore, J. Maneenet, H. Nguyen, N. Tajuddeen, D. Feineis, L. Assi, S. Awale, G. Bringman, *Bioorganic & Medicinal Chemistry Letters*, **86**: p. 129234.

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36. **The hepatoprotective candidates by synergistic formula of marine and terrestrial against Acetaminophen toxicity using *in-vitro*, *in-vivo*, and *in silico* screening approach**, A. Adam, M. Ashour, M. Shreadah, *Saudi Journal of Biological Sciences*, 2023, 30: p. 103607.

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37. **Interaction of *Jania rubens* Polyphenolic Extract as an Antidiabetic Agent with  $\alpha$ -Amylase, Lipase, and Trypsin: *In Vitro* Evaluations and *In Silico* Studies**, A. Adam, M. Ashour, T. Tamer, M. Shreadah, M. Hassan, *Catalysts*, 2023, **13**: p. 443.

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38. **Flavonoids Biosynthesis in Plants as a Defense Mechanism: Role and Function Concerning Pharmacodynamics and Pharmacokinetic Properties**, A. Adam, M. Elnosary, M. Ashour, N. Abd El-Moneam, M. Shreadah, *Flavonoid Metabolism-Recent Advances and Applications in Crop Breeding*, 2023.

39. **Novel antimicrobials and antibiotics resistance modulating agents from natural products: Turning promises into Triumphs**, N. Mostafa, M. Ayaz, M. El-Shazly, A.N.B. Singab, *Frontiers in Pharmacology*, 2023, **14**.

Impact factor = 5.988

40. **Chemical and Nutritional Profiling of the Seaweed *Dictyota dichotoma* and Evaluation of Its Antioxidant, Antimicrobial and Hypoglycemic Potentials**, M. Imran, A. Iqbal, S. Badshah, A. Sher, H. Ullah, M. Ayaz, O. Mosa, N. Mostafa, M. Daglia, *Marine Drugs*, 2023, **21**: p. 273.

Impact factor = 5.118

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## Publications 2022

1. **In Silico Docking, Resistance Modulation and Biofilm Gene Expression in Multidrug-Resistant *Acinetobacter baumannii* via Cinnamic and Gallic Acids**, Abdelaziz, N.A., W.F. Elkhatib, M.M. Sherif, M.A.S. Abourehab, S.T. Al-Rashood, W.M. Eldehna, N.M. Mostafa, and N.S. Elleboudy, *Antibiotics* 2022, Vol. 11, Page 870, 2022. **11**: p. 870.  
Impact factor = 5.222
2. **GC-MS profiling of *Vitex pinnata* bark lipophilic extract and screening of its anti-TB and cytotoxic activities**, Abdelbaset, S., D.M. El-Kersh, I.M. Ayoub, and O.A. Eldahshan, <https://doi.org/10.1080/14786419.2022.2124512>, 2022.  
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3. **Ajwa dates (*Phoenix dactylifera* L.) attenuate cisplatin-induced nephrotoxicity in rats via augmenting Nrf2, modulating NADPH oxidase-4 and mitigating inflammatory/apoptotic mediators**, Abdelghffar, E.A., W.A. Obaid, Z.M. Mohammed Saleh, W. Ouchari, O.A. Eldahshan, and M. Sobeh, *Biomedicine & Pharmacotherapy*, 2022. **156**: p. 113836.  
Impact factor = 7.419
4. **Chilean pepper (*Schinus polygamus*) ameliorates the adverse effects of hyperglycaemia/dyslipidaemia in high fat diet/streptozotocin-induced type 2 diabetic rat model**, Abdelghffar, E.A.R., N.M. Mostafa, H.A.S. El-Nashar, O.A. Eldahshan, and A.N.B. Singab, *Industrial Crops and Products*, 2022. **183**: p. 114953.  
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5. **Phytochemical Profile of *Phoenix rupicola* T. Anderson Seeds and In Vitro Evaluation of their Estrogenic Activity using MCF-7 Cell Lines**, AbouZeid, E., R. Hussein, A. Afifi, A. Salama, F. Youssef, S. El-Ahmady, and N. Ammar, *Egyptian Journal of Chemistry*, 2022.  
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6. **Oxytocin in diabetic Covid-19 patients: a new perspective.**, Al-kuraishy, H.M., A.I. Al-Gareeb, O.A. Eldahshan, and G.E.S. Batiha, *Natural Product Research*, 2022: p. 1-2.  
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7. **Medication Adherence among Patients with Chronic Diseases in Saudi Arabia**, Alosaimi, K., H. Alwafi, Y. Alhindi, A. Falemban, A. Alshanberi, N. Ayoub, and S. Alsanosi, *International Journal of Environmental Research and Public Health* 2022, Vol. 19, Page 10053, 2022. **19**: p. 10053.  
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9. **Malva parviflora Leaves and Fruits Mucilage as Natural Sources of Anti-Inflammatory, Antitussive and Gastro-Protective Agents: A Comparative Study Using Rat Models and Gas Chromatography**,

Altyar, A.E., A. Munir, S. Ishtiaq, M. Rizwan, K. Abbas, O. Kensara, S.S. Elhady, W.Y. Rizg, F.S. Youssef, and M.L. Ashour, *Pharmaceuticals* 2022, Vol. 15, Page 427, 2022. **15**: p. 427.

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10. **The Role of Cannabis sativa L. as a Source of Cannabinoids against Coronavirus 2 (SARS-CoV-2): An In Silico Study to Evaluate Their Activities and ADMET Properties**, Altyar, A.E., F.S. Youssef, M.M. Kurdi, R.J. Bifari, and M.L. Ashour, *Molecules* 2022, Vol. 27, Page 2797, 2022. **27**: p. 2797.

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13. **Evaluation of the Antihyperglycemic and Antihyperlipidemic Activity of Saussurea hypoleuca Root in Alloxan-Induced Diabetes in Rat Model and Correlation to Its Major Secondary Metabolites**, Arshad, N., S. Ishtiaq, S.H. Kamran, M.S.u. Rehman, S. Akbar, S. Rehman, S. Rehman, R.H. Hareeri, S.A. Fadil, F.S. Youssef, and S.S. Elhady, *Life* 2022, Vol. 12, Page 1451, 2022. **12**: p. 1451.

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15. **Synergistic Effect of Quercetin Magnetite Nanoparticles and Targeted Radiotherapy in Treatment of Breast Cancer**, Askar, M.A., H.A.S. El-Nashar, M.A. Al-Azzawi, S.S.A. Rahman, and O.E. Elshawi, *Breast Cancer: Basic and Clinical Research*, 2022. **16**.

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16. **Chemical Profile of Cyperus laevigatus and Its Protective Effects against Thioacetamide-Induced Hepatorenal Toxicity in Rats**, Ayoub, I.M., M.A. El-Baset, M.M. Elghonemy, S.A.E. Bashandy, F.A.A. Ibrahim, O.A.H. Ahmed-Farid, A.E.N.G. El Gendy, S.M. Afifi, T. Esatbeyoglu, A.R.H. Farrag, M.A. Farag, and A.I. Elshamy, *Molecules* 2022, Vol. 27, Page 6470, 2022. **27**: p. 6470.

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17. **Insights into the neuroprotective effects of Salvia officinalis L. and Salvia microphylla Kunth in the memory impairment rat model**, Ayoub, I.M., M.Y. George, E.T. Menze, M. Mahmoud, M. Botros, M. Essam, I. Ashmawy, P. Shendi, A. Hany, M. Galal, M. Ayman, and R.M. Labib, *Food & Function*, 2022. **13**: p. 2253-2268.

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18. **Biologically Active Saponins of Genus Cestrum L.: A Comprehensive Review**, Bahgat, D.M., H.A. Gad, E. Al-Sayed, O.A. Eldahshan, and A.B. Nasser Singab, *Archives of Pharmaceutical Sciences Ain Shams University*, 2022. **6**: p. 98-113.

19. **Towards Sustainable Medicinal Resources through Marine Soft Coral Aquaculture: Insights into the Chemical Diversity and the Biological Potential**, Bao, N., A. Nguyen, L.-Y. Chen, M. El-Shazly, B.-R. Peng, J.-H. Su, H.-C. Wu, I.-T. Lee, and K.-H. Lai, *Marine Drugs* 2022, Vol. 20, Page 640, 2022. **20**: p. 640.  
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20. **Lobularia libyca: Phytochemical Profiling, Antioxidant and Antimicrobial Activity Using In Vitro and In Silico Studies**, Benchikha, N., I. Chelalba, H. Debbeche, M. Messaoudi, S. Begaa, I. Larkem, D.G. Amara, A. Rebiai, J. Simal-Gandara, B. Sawicka, M. Atanassova, and F.S. Youssef, *Molecules* 2022, Vol. 27, Page 3744, 2022. **27**: p. 3744.  
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21. **Sustainable Extraction, Chemical Profile, Cytotoxic and Antileishmanial Activities In-Vitro of Some Citrus Species Leaves Essential Oils**, Bouabdallah, S., K. Cianfaglione, M. Azzouz, G.E.S. Batiha, A.F. Alkhuriji, W.A.I. Al-Megrin, M. Ben-Attia, and O.A. Eldahshan, *Pharmaceuticals* 2022, Vol. 15, Page 1163, 2022. **15**: p. 1163.  
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23. **HR-LC-ESI-Orbitrap-MS-Based Metabolic Profiling Coupled with Chemometrics for the Discrimination of Different Echinops spinosus Organs and Evaluation of Their Antioxidant Activity**, Bouzabata, A., P. Montoro, K.A. Gil, S. Piacente, F.S. Youssef, N.M. Al Musayeib, G.A. Cordell, M.L. Ashour, and C.I.G. Tuberoso, *Antioxidants* 2022, Vol. 11, Page 453, 2022. **11**: p. 453.  
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24. **Sweroside Ameliorated Memory Deficits in Scopolamine-Induced Zebrafish (Danio rerio) Model: Involvement of Cholinergic System and Brain Oxidative Stress**, Brinza, I., M.A.E. Raey, W. El-Kashak, O.A. Eldahshan, and L. Hritcu, *Molecules* 2022, Vol. 27, Page 5901, 2022. **27**: p. 5901.  
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25. **Quantifying Osmotic Stress and Temperature Effects on Germination and Seedlings Growth of Fenugreek (Trigonella foenum-graecum L.) via Hydrothermal Time Model**, Burgess, J., K. Arshad, A. Ullah, S. Ullah, H.A. Bogari, M.L. Ashour, J. Noor, F. Amin, and S. Shah, *Sustainability* 2022, Vol. 14, Page 12049, 2022. **14**: p. 12049.  
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26. **Pro-Apoptotic Activity of the Marine Sponge Dactylospongia elegans Metabolites Pelorol and 5-epi-Ilimaquinone on Human 501Mel Melanoma Cells**, Carpi, S., E. Scoditti, B. Polini, S. Brogi, V. Calderone, P. Proksch, S.S. Ebada, and P. Nieri, *Marine Drugs* 2022, Vol. 20, Page 427, 2022. **20**: p. 427.  
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99. **Differential Metabolomic Fingerprinting of the Crude Extracts of Three Asteraceae Species with Assessment of Their In Vitro Antioxidant and Enzyme-Inhibitory Activities Supported by In Silico Investigations**, Zengin, G., N.M. Fahmy, K.I. Sinan, A.I. Uba, A. Bouyahya, J.M. Lorenzo, E. Yildiztugay, O.A. Eldahshan, and S. Favez, *Processes* 2022, Vol. 10, Page 1911, 2022. **10**: p. 1911.  
Impact factor = 0.48
100. **Silviridoside: A New Triterpene Glycoside from Silene viridiflora with Promising Antioxidant and Enzyme Inhibitory Potential**, M. Makhmudova, M. Bacher, G. Zengin, T. Rosenau, F. S. Youssef, D. Almasri, S. ElHady, N. Mamadalieva, *Molecules*, 2022, **27**: p. 8781.  
Impact factor = 4.927
101. **Potential of natural products as drug leads possessing antioxidant and anti-aging properties**, F.S. Youssef, M. Ramadan, V. Moran, A. Aremu, N. Mamadalieva, *Frontiers in Pharmacology*, 2022, 13.  
Impact factor = 5.988
102. **Anti-inflammatory evaluation of Ukrainian herbal extracts**, O. Mykhailenko, M. Korinek, K. Uminska, M. El-Shazly, I. Ivanauskas, F. Chang, V. Georgiyants, T. Hwang, *Medical Sciences Forum*, 2022.



# Pharmacognosy Department Publications Database

## Publications for 2021-22

1. **Chemical composition, cytotoxic and anti-arthritic activities of hexane extracts of certain Schinus species** Heba A. S. El-Nashar, Nada M. Mostafa, Omayma A. Eldahshan, & Abdel Nasser B. Singab. (2021). *Journal of Pharmacy and Pharmacology*, 9(11). <https://doi.org/10.17265/2328-2150/2021.11.004> **Impact factor: 3.765**
2. **Orange fruit (Citrus sinensis) peel extract attenuates chemotherapy-induced toxicity in male rats.** Abdelghffar, E. A., El-Nashar, H. A. S., Al-Mohammadi, A. G. A., & Eldahshan, O. A. (2021). *Food & Function*, 12(19), 9443–9455. <https://doi.org/10.1039/D1FO01905H> **Impact factor: 5.396**
3. **The role of plant-derived compounds in managing diabetes mellitus: A Review of Literature from 2014 To 2019.** El-Nashar, H. A. S., Mostafa, N. M., El-Shazly, M., & Eldahshan, O. A. (2021). *Current Medicinal Chemistry*, 28(23), 4694–4730. **Impact factor: 4.53**
4. **Chemical constituents and gastro-protective potential of Pachira glabra leaves against ethanol-induced gastric ulcer in experimental rat model.** El-Din, M. I. G., Youssef, F. S., Said, R. S., Ashour, M. L., Eldahshan, O. A., & Singab, A. N. B. (2021). *Inflammopharmacology*, 29(1), 317–332. <https://doi.org/10.1007/S10787-020-00749-9/FIGURES/6> **Impact factor: 4.473**
5. **Antimicrobial profile of actinomycin D analogs secreted by Egyptian desert Streptomyces sp. DH7.** Amin, D. H., Sayed, H. A. E., Elissawy, A. M., El-Ghwas, D. E., & Singab, A. N. B. (2021). *Antibiotics (Basel, Switzerland)*, 10(10). <https://doi.org/10.3390/ANTIBIOTICS10101264> **Impact factor: 4.69**
6. **New quinolizidine alkaloid and insecticidal activity of Sophora secundiflora and Sophora tomentosa against Culex pipiens (Diptera: Culicidae).** Aly, S. H., Elissawy, A. M., Allam, A. E., Farag, S. M., Eldahshan, O. A., Elshanawany, M. A., & Singab, A. N. B. (2021). *Natural Product Research*. <https://doi.org/10.1080/14786419.2021.1919108> **Impact factor: 2.861**
7. **Curcumin nanoformulations for antimicrobial and wound healing purposes.** Salehi, B., Rodrigues, C. F., Peron, G., Dall'Acqua, S., Sharifi-Rad, J., Azmi, L., Shukla, I., Singh Baghel, U., Prakash Mishra, A., Elissawy, A. M., Singab, A. N., Pezzani, R., Redaelli, M., Patra, J. K., Kulandaisamy Venil, C., Das, G., Singh, D., Kriplani, P., Venditti, A., ... Cruz-Martins, N. (2021). *Phytotherapy Research*, 35(5), 2487–2499. <https://doi.org/10.1002/PTR.6976> **Impact factor: 5.878**

8. **Phytoconstituents and renoprotective effect of Polyalthia longifolia leaves extract on radiation-induced nephritis in rats via TGF-  $\beta$ /smad pathway.** Mostafa, N. M., Edmond, M. P., El-Shazly, M., Fahmy, H. A., Sherif, N. H., & Singab, A. N. B. (2021). *Natural Product Research*. <https://doi.org/10.1080/14786419.2021.1961252> **Impact factor: 2.861**
9. **Metabolomic Profiles of Essential Oils from Selected Rosa Varieties and Their Antimicrobial Activities.** Elhawary, E. A., Mostafa, N. M., Labib, R. M., & Singab, A. N. (2021). *Plants 2021, Vol. 10, Page 1721, 10(8)*, 1721. <https://doi.org/10.3390/PLANTS10081721> **Impact factor: 3.935**
10. **Phytochemical discrimination of Pinus species based on GC-MS and ATR-IR analyses and their impact on Helicobacter pylori.** Gad, H., Al-Sayed, E., & Ayoub, I. (2021). *Phytochemical Analysis : PCA*, 32(5), 820–835. <https://doi.org/10.1002/PCA.3028>. **Impact factor: 3.373**
11. **Anti-Allergic, Anti-Inflammatory and Anti-Hyperglycemic Activity of Chasmanthe aethiopica Leaf Extract and Its Profiling Using LC/MS and GLC/MS.** Ayoub, I. M., Korinek, M., El-Shazly, M., Wetterauer, B., El-Beshbishy, H. A., Hwang, T. L., Chen, B. H., Chang, F. R., Wink, M., Singab, A. N. B., & Youssef, F. S. (2021). *Plants (Basel, Switzerland)*, 10(6). <https://doi.org/10.3390/PLANTS10061118> **Impact factor: 3.935**
12. **Quality assessment of leaf extracts of 12 olive cultivars and impact of seasonal variation based on UV spectroscopy and phytochemical content using multivariate analyses.** Kabbash, E. M., Ayoub, I. M., Gad, H. A., Abdel-Shakour, Z. T., & El-Ahmady, S. H. (2021). *Phytochemical Analysis*, 32(6), 932–941. <https://doi.org/10.1002/PCA.3036> **Impact factor: 3.373**
13. **The impact of seasonal variation on the volatile profile of leaves and stems of Brownea grandiceps (Jacq.) with evaluation of their anti-mycobacterial and anti-inflammatory activities.** Korany, D. A., Ayoub, I. M., Labib, R. M., El-Ahmady, S. H., & Singab, A. N. B. (2021). *Undefined*, 142, 88–95. <https://doi.org/10.1016/J.SAJB.2021.06.013> **Impact factor: 2.315**
14. **Molecular and phytochemical variability among genus Albizia: a phylogenetic prospect for future breeding.** El Khodary, Y. A., Ayoub, I. M., El-Ahmady, S. H., & Ibrahim, N. (2021). *Molecular Biology Reports*, 48(3), 2619–2628. <https://doi.org/10.1007/S11033-021-06316-X> **Impact factor: 2.316**
15. **Essential oils from the leaves and flowers of Leucophyllum frutescens (Scrophulariaceae): phytochemical analysis and inhibitory effects against elastase and collagenase in vitro.** Thabet, A. A., Ayoub, I. M., Youssef, F. S., Al Sayed, E., & Singab, A. N. B. (2021). *Natural Product Research*. <https://doi.org/10.1080/14786419.2021.2000981> **Impact factor: 2.861**
16. **Advances in the quality control of fenugreek seeds using chromatographic, spectroscopic and DNA-based techniques: A comprehensive review.** Kandil, N. H., Ayoub, I. M., El-Ahmady, S. H., & El-Moghazy, S. A. (2021). *Phytochemical Analysis : PCA*. <https://doi.org/10.1002/PCA.3091> **Impact factor: 3.373**

17. **Baicalein 5,6-Dimethyl Ether Prevents Memory Deficits in the Scopolamine Zebrafish Model by Regulating Cholinergic and Antioxidant Systems.** Brinza, I., Ayoub, I. M., Eldahshan, O. A., & Hritcu, L. (2021). *Plants 2021, Vol. 10, Page 1245, 10(6)*, 1245. <https://doi.org/10.3390/PLANTS10061245> **Impact factor: 3.935**
18. **A comparative volatilomic characterization of florence fennel from different locations: antiviral prospects.** Ibrahim, N., & Moussa, A. Y. (2021). *Food & Function, 12(4)*, 1498–1515. <https://doi.org/10.1039/D0FO02897E> **Impact factor: 5.396**
19. **Potential application of ginger, clove and thyme essential oils to improve soft cheese microbial safety and sensory characteristics.** Ahmed, L. I., Ibrahim, N., Abdel-Salam, A. B., & Fahim, K. M. (2021). *Food Bioscience, 42*, 101177. <https://doi.org/10.1016/J.FBIO.2021.101177> **Impact factor: 4.24**
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21. **GC-MS based metabolites profiling of nutrients and anti-nutrients in 10 Lathyrus seed genotypes: A prospect for phyto-equivalency and chemotaxonomy.** Ibrahim, N., Taleb, M., Heiss, A. G., Kropf, M., & Farag, M. A. (2021). *Food Bioscience, 42*, 101183. <https://doi.org/10.1016/J.FBIO.2021.101183> **Impact factor: 4.24**
22. **Discrimination of Vitis vinifera varieties using DNA fingerprinting and NMR coupled with chemometrics and their impact on the efficacy of fluoxetine and indomethacin in vivo.** Youssef, F. S., Labib, R. M., Sleem, A. A., & Meselhy, K. M. (2021). *Journal of Food Processing and Preservation, 45(6)*, e15500. <https://doi.org/10.1111/JFPP.15500> **Impact factor: 2.1**
23. **Pimenta dioica and Pimenta racemosa: GC-based metabolomics for the assessment of seasonal and organ variation in their volatile components, in silico and in vitro cytotoxic activity estimation.** Youssef, F. S., Labib, R. M., Gad, H. A., Eid, S., Ashour, M. L., & Eid, H. H. (2021). *Food & Function, 12(12)*, 5247–5259. <https://doi.org/10.1039/D1FO00408E> **Impact factor: 5.396**
24. **Potential of anti-Helicobacter pylori activity of clarithromycin by Pelargonium graveolens oil.** Ibrahim, M. A., Sallem, O. W., Abdelhassib, M. R., & Eldahshan, O. A. (2021). *Arab Journal of Gastroenterology : The Official Publication of the Pan-Arab Association of Gastroenterology, 22(3)*, 224–228. <https://doi.org/10.1016/J.AJG.2021.05.016> **Impact factor: 2.076**
25. **Green synthesis of magnesium nanoparticles mediated from Rosa floribunda charisma extract and its antioxidant, antiaging and antibiofilm activities.** Younis, I. Y., El-Hawary, S. S., Eldahshan, O. A., Abdel-Aziz, M. M., & Ali, Z. Y. (2021). *Scientific Reports 2021 11:1, 11(1)*, 1–15. <https://doi.org/10.1038/s41598-021-96377-6> **Impact factor: 4.379**

26. **Chemical profiling, antiviral and antiproliferative activities of the essential oil of *Phlomis aurea* Decne grown in Egypt.** Torky, Z. A., Moussa, A. Y., Abdelghffar, E. A., Abdel-Hameed, U. K., & Eldahshan, O. A. (2021). *Food & Function*, 12(10), 4630–4643. <https://doi.org/10.1039/D0FO03417G>  
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27. **Dissecting Yogurt: The Impact of Milk Types, Probiotics, and Selected Additives on Yogurt Quality.** Farag, M. A., Saleh, H. A., El Ahmady, S., & Elmassry, M. M. (2021). <https://doi.org/10.1080/87559129.2021.1877301>.  
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28. **Breaking the challenge of polyherbal quality control using UV and HPLC fingerprints combined with multivariate analysis.** Roshan, A. A., Hathout, R. M., El-Ahmady, S. H., Singab, A. B., & Gad, H. A. (2021). *Phytochemical Analysis : PCA*. <https://doi.org/10.1002/PCA.3089>  
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29. **Characterization of Four Piper Essential Oils (GC/MS and ATR-IR) Coupled to Chemometrics and Their anti- *Helicobacter pylori* Activity.** Al-Sayed, E., Gad, H. A., & El-Kersh, D. M. (2021). *ACS Omega*, 6(39), 25652–25663. <https://doi.org/10.1021/ACSOMEGA.1C03777>  
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31. **Honey-Based Extracts and Their Microemulsions in the Treatment of Liver and Breast Cancers.** Altaweel, R., Lafi, A., Ebrahim, W., Ebada, S. S., & Nasr, M. (2021). *Pharmaceutical Chemistry Journal*, 55(5), 476–482. <https://doi.org/10.1007/S11094-021-02444-7/FIGURES/3>  
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32. **Penicacids H–J, three new mycophenolic acid derivatives from the marine-derived fungus *Rhizopus oryzae*.** Pilevneli, A. D., Ebada, S. S., Kaşkatepe, B., & Konuklugil, B. (2021). *RSC Advances*, 11(55), 34938–34944. <https://doi.org/10.1039/D1RA07196C>  
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34. **Isolation and Molecular Docking of Cytotoxic Secondary Metabolites from Two Red Sea Sponges of the Genus *Diacarnus*.** Al-Tarabeen, M., El-Neketi, M., Albohy, A., Müller, W. E. G., Rasheed, M., Ebrahim, W., Proksch, P., & Ebada, S. S. (2021). *ChemistrySelect*, 6(2), 217–220. <https://doi.org/10.1002/SLCT.202003114>  
**Impact factor: 2**
35. **Editorial: Non-Coding RNAs as Mediators of the Activity of Natural Compounds.** Scoditti, E., Naccarati, A., Carpi, S., Polini, B., Ebada, S. S., & Nieri, P. (2021). *Frontiers in Pharmacology*, 12, 2170. <https://doi.org/10.3389/FPHAR.2021.751956/BIBTEX>  
**Impact factor: 5.81**

36. **Anti-Inflammatory, Antiallergic, and COVID-19 Main Protease (M pro) Inhibitory Activities of Butenolides from a Marine-Derived Fungus *Aspergillus terreus*.** Uras, I. S., Ebada, S. S., Korinek, M., Albohy, A., Abdulrazik, B. S., Wang, Y. H., Chen, B. H., Horng, J. T., Lin, W., Hwang, T. L., & Konuklugil, B. (2021). *Molecules (Basel, Switzerland)*, 26(11).  
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37. **Discrimination of the Essential Oils Obtained from Four Apiaceae Species Using Multivariate Analysis Based on the Chemical Compositions and Their Biological Activity.** Jamalova, D. N., Gad, H. A., Akramov, D. K., Tojibaev, K. S., Al Musayeib, N. M., Ashour, M. L., & Mamadalieva, N. Z. (2021). *Plants 2021, Vol. 10, Page 1529, 10(8)*, 1529. <https://doi.org/10.3390/PLANTS10081529>  
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**Impact factor: 4.56**
41. **Jobba Oil: An Updated Comprehensive Review on Chemistry, Pharmaceutical Uses, and Toxicity.** Gad, H. A., Roberts, A., Hamzi, S. H., Gad, H. A., Touiss, I., Altyar, A. E., Kensara, O. A., & Ashour, M. L. (2021). *Polymers*, 13(11). <https://doi.org/10.3390/POLYM13111711>  
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42. **GC-MS Based Identification of the Volatile Components of Six *Astragalus* Species from Uzbekistan and Their Biological Activity.** Gad, H. A., Mamadalieva, N. Z., Böhmendorfer, S., Rosenau, T., Zengin, G., Mamadalieva, R. Z., Al Musayeib, N. M., & Ashour, M. L. (2021). *Plants 2021, Vol. 10, Page 124, 10(1)*, 124. <https://doi.org/10.3390/PLANTS10010124>  
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43. **An Updated Review on the Secondary Metabolites and Biological Activities of *Aspergillus ruber* and *Aspergillus flavus* and Exploring the Cytotoxic Potential of Their Isolated Compounds Using Virtual Screening.** Youssef, F. S., & Singab, A. N. B. (2021). *Evidence-Based Complementary and Alternative Medicine : ECAM, 2021*. <https://doi.org/10.1155/2021/8860784>  
**Impact factor: 2.63**
44. **Bio-guided bioactive profiling and HPLC-DAD fingerprinting of Ukrainian saffron (*Crocus sativus* stigmas): moving from correlation toward causation.** Mykhailenko, O., Petrikaitė, V., Korinek, M., El-Shazly, M., Chen, B. H., Yen, C. H., Hsieh, C. F., Bezruk, I., Dabrišiūtė, A.,

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45. **Autotandem Catalysis: Inexpensive and Green Access to Functionalized Ketones by Intermolecular Iron-Catalyzed Amidoalkynylation/Hydration Cascade Reaction via N-Acyliminium Ion Chemistry.** Abdallahi, S. M., Ewies, E. F., El-Shazly, M., Ould Elemine, B., Hadou, A., Moncol, J., Lawson, A. M., Daich, A., & Othman, M. (2021). *Chemistry – A European Journal*, 27(62), 15440–15449. <https://doi.org/10.1002/CHEM.202102357> **Impact factor: 5.236**
46. **Traditional uses, bioactive composition, pharmacology, and toxicology of *Phyllanthus emblica* fruits: A comprehensive review.** Saini, R., Sharma, N., Oladeji, O. S., Sourirajan, A., Dev, K., Zengin, G., El-Shazly, M., & Kumar, V. (2022). *Journal of Ethnopharmacology*, 282. <https://doi.org/10.1016/J.JEP.2021.114570> **Impact factor: 4.36**
47. **The Configuration-Dependent Anti-Leukemic Effect of Manoalide Stereoisomers: Reignite Research Interest in these Sponge-Derived Sesterterpenoids.** Lai, K. H., Peng, B. R., Hsu, Y. M., El-Shazly, M., Du, Y. C., Lu, M. C., Su, J. H., & Liu, Y. C. (2021) *Bioorganic Chemistry*, 114. <https://doi.org/10.1016/J.BIOORG.2021.105150>
- Impact factor: 5.275**
48. **Plant-microbial interaction: The mechanism and the application of microbial elicitor induced secondary metabolites biosynthesis in medicinal plants.** Chamkhi, I., Benali, T., Aanniz, T., El Menyiy, N., Guaouguaou, F. E., El Omari, N., El-Shazly, M., Zengin, G., & Bouyahya, A. (2021). *Plant Physiology and Biochemistry*, 167, 269–295. <https://doi.org/10.1016/J.PLAPHY.2021.08.001> **Impact factor: 4.27**
49. **Anti-inflammatory and analgesic properties of Moroccan medicinal plants: Phytochemistry, in vitro and in vivo investigations, mechanism insights, clinical evidences and perspectives.** Bouyahya, A., Guaouguaou, F.-E., El Omari, N., El Menyiy, N., Balahbib, A., El-Shazly, M., & Bakri, Y. (2021). *Journal of Pharmaceutical Analysis*. <https://doi.org/10.1016/J.JPHA.2021.07.004> **Impact factor: 4.769**
50. **Moroccan antidiabetic medicinal plants: Ethnobotanical studies, phytochemical bioactive compounds, preclinical investigations, toxicological validations and clinical evidences; challenges, guidance and perspectives for future management of diabetes worldw** Bouyahya, A., El Omari, N., Elmenyiy, N., Guaouguaou, F. E., Balahbib, A., Belmehdi, O., Salhi, N., Imtara, H., Mrabti, H. N., El-Shazly, M., & Bakri, Y. (2021).. *Trends in Food Science & Technology*, 115, 147–254. <https://doi.org/10.1016/J.TIFS.2021.03.032> **Impact factor: 12.563**
51. **Phytochemical properties, biological activities and medicinal use of *Centaurium erythraea* Rafn.** El Menyiy, N., Guaouguaou, F. E., El Baaboua, A., El Omari, N., Taha, D., Salhi, N., Shariati, M. A., Aanniz, T., Benali, T., Zengin, G., El-Shazly, M., Chamkhi, I., & Bouyahya, A. (2021). *Journal of Ethnopharmacology*, 276, 114171. <https://doi.org/10.1016/J.JEP.2021.114171> **Impact factor: 4.275**

52. **Uncovering Modern Clinical Applications of Fuzi and Fuzi-Based Formulas: A Nationwide Descriptive Study With Market Basket Analysis.** Tai, C. J., El-Shazly, M., Tsai, Y. H., Csupor, D., Hohmann, J., Wu, Y. C., Tseng, T. G., Chang, F. R., & Wang, H. C. (2021). *Frontiers in Pharmacology*, 12, 436. <https://doi.org/10.3389/FPHAR.2021.641530/BIBTEX>  
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53. **Ethnomedicinal use, phytochemistry, pharmacology, and toxicology of *Daphne gnidium*: A review.** Khouchlaa, A., El Menyiy, N., Guaouguaou, F. E., El Baaboua, A., Charfi, S., Lakhdar, F., El Omari, N., Taha, D., Shariati, M. A., Rebezov, M., El-Shazly, M., & Bouyahya, A. (2021). *Journal of Ethnopharmacology*, 275, 114124. <https://doi.org/10.1016/J.JEP.2021.114124>  
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54. **Isomalabaricane Triterpenes from the Marine Sponge *Rhabdastrella* sp.** Lai, K. H., Huang, Z. H., El-Shazly, M., Peng, B. R., Wei, W. C., & Su, J. H. (2021). *Marine Drugs* 2021, Vol. 19, Page 206, 19(4), 206. <https://doi.org/10.3390/MD19040206>  
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55. **Investigation of the anti-hyperglycemic and antioxidant effects of wheat bread supplemented with onion peel extract and onion powder in diabetic rats.** Masood, S., Rehman, A. ur, Bashir, S., El Shazly, M., Imran, M., Khalil, P., Ifthikar, F., Jaffar, H. M., & Khursheed, T. (2021). *Journal of Diabetes and Metabolic Disorders*, 20(1), 485–495. <https://doi.org/10.1007/S40200-021-00770-X/TABLES/4>  
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56. **Anti-Proliferative Potential of Secondary Metabolites from the Marine Sponge *Theonella* sp.: Moving from Correlation toward Causation.** Lai, K. H., Peng, B. R., Su, C. H., El-Shazly, M., Sun, Y. L., Shih, M. C., Huang, Y. T., Yen, P. T., Wang, L. S., & Su, J. H. (2021). *Metabolites*, 11(8). <https://doi.org/10.3390/METABO11080532>  
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58. **Anti-Inflammatory and Antimicrobial Volatile Oils: Fennel and Cumin Inhibit Neutrophilic Inflammation via Regulating Calcium and MAPKs** Korinek, M., Handoussa, H., Tsai, Y. H., Chen, Y. Y., Chen, M. H., Chiou, Z. W., Fang, Y., Chang, F. R., Yen, C. H., Hsieh, C. F., Chen, B. H., El-Shazly, M., & Hwang, T. L. (2021).. *Frontiers in Pharmacology*, 12, 2477. <https://doi.org/10.3389/FPHAR.2021.674095/BIBTEX>  
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40. **HPLC Standardization of The Methanolic Extract of Acrocarpus fraxinifolius leaves based on Gallic acid Content**, El-Nashar, H.A., O.A. Eldahshan, and A.N.B. Singab, *Archives of Pharmaceutical Sciences Ain Shams University*, 2017. **1**(1): p. 5-8.

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- 1. Chemical Constituents and Bioactivities of Clinacanthus nutans Aerial Parts**  
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**Impact factor: 2.38**
- 2. Phoenix roebelenii O'Brien DNA profiling, bioactive constituents, antioxidant and hepatoprotective activities**  
AN Singab, EMM El-Taher, MR Elgindi, MES Kassem  
Asian Pacific Journal of Tropical Disease 5 (7), 552-558
- 3. Bioactive Terpenes from Marine-Derived Fungi**  
AM Elissawy, M El-Shazly, Sherif S Ebada, ANB Singab, P Proksch  
Marine drugs 13 (4), 1966-1992.  
**Impact Factor: 2.85**
- 4. Acylated flavonol diglucosides from Ammania auriculata**  
Mahmoud Nawwar<sup>1</sup> / Nahla Ayoub<sup>2</sup> / Mohamed El-Raey<sup>1</sup> / Soumaya Zaghoul<sup>3</sup> / Amani Hashem<sup>1</sup> / Eman Mostafa<sup>3</sup> / Omayma Eldahshan<sup>2</sup> / Ulrike Lindequist<sup>4</sup> / Michael W. Linscheid<sup>5</sup>  
Zeitschrift für Naturforschung C 70 (1-2), 39-43  
**Impact factor : 0.552**
- 5. Comparison of Chemical and Antimicrobial Studies of Egyptian Mandarin Leaves and Green Branches Volatile Oils**  
Omayma A. Eldahshan,  
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- 6. Volatile constituents of Dietes bicolor (Iridaceae) and their antimicrobial activity**  
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- 7. Dispacamide E and other bioactive bromopyrrole alkaloids from two Indonesian marine sponges of the genus Stylixa**  
SS Sherif S Ebada, MH Linh, A Longeon, NJ de Voogd, E Durieu, L Meijer, Marie-Lise Bourguet-Kondracki, Abdel Nasser B Singab, Werner EG Müller, Peter Proksch  
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- 9. GLC-MS profiling of non-polar extracts from Phlomis bucharica and P. salicifolia and their cytotoxicity**  
Nilufar Z. MAMADALIEVA1 , Vittorio VINCIGUERRA2 , Mansour SOBEH3 , Elisa OVIDI2 , Mohamed L. ASHOUR3,4, Michael WINK3 & Antonio TIEZZI  
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16. **Protective role of polyphenols from *Bauhinia hookeri* against carbon tetrachloride-induced hepato- and nephrotoxicity in mice**  
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ANB Singab, HM El-Hefnawy, DG El-Kolobby  
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20. **Medicinal Importance of Herbs and Spices**  
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  21. **Phytochemical and Cytotoxic Studies of *Rumex pictus* Forssk. and *Rumex vesicarius* L. (Family Polygonaceae), Growing in Egypt**  
Nagwa M Ammar, Nahla A Ayoub, Sherweit H El-Ahmady, Lamiaa T Abou El-Kassem, Enaam M Abou Zeid  
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  24. **Quality Control of Certain Herbal Products and Their Individual Components Used for Digestive Tract Disorders and Their Proposed Mechanism**  
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  29. **Synthesis, reactions and biological activities of furochromones: A review - Mohamed El-Shazly - *European journal of medicinal chemistry* 2015**
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30. **Coffee: The rationale behind 4 centuries of consumption, Sherweit H. El-Ahmady and Mohamed L. Ashour, in *Nutraceuticals and Functional Foods*. 2015, EOLSS Publishers Co Ltd. p. 59-86.**

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37. **Copper-catalyzed selective C – O bond formation by oxidative  $\alpha$ -C (sp<sup>3</sup>) – H/O – H coupling between ethers and salicylaldehydes** – Mohamed El-Shazly *Tetrahedron* 2015  
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38. **Essential oil and antimicrobial activity of aerial parts of *Cyperus leavigatus* L.(Family: Cyperaceae)** - Mahmoud I Nassar, Yomna M Yassine, Abdelsamed I Elshamy, Ahmed A El-Beih, Mohamed El-Shazly, and Abdel Nasser B Singab, *Journal of Essential Oil Bearing Plants*, 2015. **18**(2): p. 416-422.  
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39. **Tackling the Cytotoxic Effect of a Marine Polycyclic Quinone-Type Metabolite: Halenaquinone Induces Molt 4 Cells Apoptosis via Oxidative Stress Combined with the Inhibition of HDAC and Topoisomerase Activities** - Shou-Ping Shih, Man-Gang Lee, Mohamed El-Shazly, Yung-Shun Juan, Zhi-Hong Wen, Ying-Chi Du, Jui-Hsin Su, Ping-Jyun Sung, Yu-Cheng Chen, and Juan-Cheng Yang, *Marine drugs*, 2015. **13**(5): p. 3132-3153.  
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**Impact factor: 2.15**

42. **A cross-kingdom assay model for evaluating estrogenic activity: application of transgenic *Arabidopsis thaliana* callus** - Yu-Chi Tsai, Wan-Chun Lai, Mohamed El-Shazly, Shang-Yu Chiang, Ken-Ichiro Hayashi, Yang-Chang Wu, and Fang-Rong Chang, Plant Cell, Tissue and Organ Culture (PCTOC), 2015. **123**(2): p. 427-433.

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43. **Alkaloids from *Pandanus amaryllifolius*: Isolation and Their Plausible Biosynthetic Formation** - Yu-Chi Tsai, Meng-Lun Yu, Mohamed El-Shazly, Ludger Beerhues, Yuan-Bin Cheng, Lei-Chin Chen, Tsong-Long Hwang, Hui-Fen Chen, Yu-Ming Chung, and Ming-Feng Hou, Journal of natural products, 2015. **78**(10): p. 2346-2354.

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## Publications 2014

- Protective role of cupressuflavone from *Cupressus macrocarpa* against carbon tetrachloride-Induced hepato-and nephrotoxicity in mice**  
Eman Al-Sayed, Mohamed M Abdel-Daim  
*Planta Med* (2014) (**Impact factor: 2.15**)
- Protective role of ellagitannins from *Eucalyptus citriodora* against ethanol-induced gastric ulcer in rats: impact on oxidative stress, inflammation and calcitonin-gene related peptide**  
Eman Al-Sayed, Reem N El-Naga  
*Phytomedicine* (2014) (**Impact factor: 3.26**)
- Hepatoprotective and antioxidant activity of *Melaleuca styphelioides* on carbon tetrachloride-induced hepatotoxicity in mice**  
Eman Al-Sayed, Naglaa M El-Lakkany, Sayed H Seif el-Din, Abdel-Nasser A Sabra, Olfat A Hammam  
*Pharm Biol.* (2014), (**Impact factor: 1.92**)
- Protective effect of *Pelargonium graveolens* against carbon tetrachloride-induced hepatotoxicity in mice and characterization of its bioactive constituents by HPLC–PDA–ESI–MS/MS analysis**  
Eman Al-Sayed, Olli Martiskainen, Sayed H Seif el-Din, Abdel-Nasser A Sabra, Olfat A Hammam, Naglaa M El-Lakkany  
*Med Chem Res* (**Impact factor: 1.27**)
- Polyphenols in *Ammania auriculata*: Structures, antioxidative activity and cytotoxicity**  
MA Nawwar, NA Ayoub, MA El-Raey, SS Zaghloul, AM Hashem, ES Mostafa, O Eldahshan, V Werner, A Becker, B Haertel, U Lindequist, MW Linscheid  
*Die Pharmazie* 2014; 69(11): 860-864. (**Impact factor: 0.869**)
- Dispacamide E and other bioactive bromopyrrole alkaloids from two Indonesian marine sponges of the genus *Stylissa***  
Sherif S Ebada, Mai Hoang Linh, Arlette Longeon, Nicole J de Voogd, Emilie Durieu, Laurent Meijer, Marie-Lise Bourguet-Kondracki, Abdel Nasser B Singab, Werner EG Müller, Peter Proksch  
*Nat Prod Res* (2014), (**Impact factor: 1.00**)
- Antimicrobial and cytotoxic activities of the crude extracts of *Dietes bicolor* leaves, flowers and rhizomes**  
IM Ayoub, M El-Shazly, M-C Lu, ANB Singab  
*S Afr J Bot* (2014), 95, 97-101 (**Impact factor: 1.34**)
- Structure elucidation and cytotoxic evaluation of new polyacetylenes from a marine sponge *Petrosia* sp.**  
Yung-Shun Juan, Chien-Chih Lee, Chia-Wei Tsao, Mei-Chin Lu, Mohamed El-Shazly, Huei-Chuan Shih, Yu-Cheng Chen, Yang-Chang Wu, Jui-Hsin Su  
*Int J Mol Sci* (2014), 15(9), 16511-16521 (**Impact factor: 2.339**)
- Bioactive constituents of *Cirsium japonicum* var. austral.**  
Wan-Chun Lai, Yang-Chang Wu, Balázs Dankó, Yuan-Bin Cheng, Tusty-Jiuan Hsieh, Chi-Ting Hsieh, Yu-Chi Tsai, Mohamed El-Shazly, Ana Martins, Judit Hohmann, Attila Hunyadi, Fang-Rong Chang  
*J Nat Prod* (2014), 77: 1624-1631 (**Impact factor: 3.12**)

10. **Hepatoprotective and antioxidant effect of *Bauhinia Hookeri* extract against carbon tetrachloride-induced hepatotoxicity in mice and characterization of its bioactive compounds by HPLC-PDA-ESI-MS/MS.**  
Eman Al-Sayed, Olli Martiskainen, Sayed H Seif el-Din, Abdel-Nasser A Sabra, Olfat A Hammam, Naglaa M El-Lakkany, Mohamed M Abdel-Daim  
*BioMed Res Int* (2014) (**Impact factor: 2.88**)
11. **Cracking the Cytotoxicity Code: Apoptotic Induction of 10-Acetylirciformonin B is Mediated through ROS Generation and Mitochondrial Dysfunction**  
Huei-Chuan Shih, Mohamed El-Shazly, Yung-Shun Juan, Chao-Yuan Chang, Jui-Hsin Su, Yu-Cheng Chen, Shou-Ping Shih, Huei-Mei Chen, Yang-Chang Wu and Mei-Chin Lu  
*Mar. Drugs* (2013), 12: 3072-3090 (**Impact factor: 3.97**)
12. **Evaluation of Plant Phenolic Metabolites as a Source of Alzheimer's Drug Leads**  
Yara Hassaan,<sup>1</sup> Heba Handoussa,<sup>1</sup> Ahmed H. El-Khatib,<sup>2</sup> Michael W. Linscheid,<sup>2</sup> Nesrine El Sayed,<sup>3,4</sup> and Nahla Ayoub  
*BioMed Research International Volume 2014* (2014), Article ID 843263 (**Impact factor: 1.579**)
13. **Cytotoxicity of *Enterolobium timbouva* plant extract and its isolated pure compounds.**  
Mariam I. Gamal El-Din, Omayma A. Eldahshan, Ashraf B. Abdel-Naim, Abdel-Nasser B. Singab and Nahla A. Ayoub  
*British J Pharm Res* (2014) 4: 826-836.
14. **Profile of volatile components of hydrodistilled and extracted leaves of *Jacaranda acutifolia* and their antimicrobial activity against foodborne pathogens**  
Abdel Nasser B. Singab, Nada M. Mostafa, Omayma A. Eldahshan, Mohamed L. Ashour and Michael Wink  
*Nat Prod Commun.* (2014), (**Impact factor: 1.24**)
44. **Histochemical Application for the Identification of Thymol and Carvacrol Chemotypes of Various Essential Oil Producing Plants**  
Sherweit H El-Ahmady  
*JEOBP* (2014) 17(5):880-885 (**Impact factor: 0.036**)
15. **Phytochemical study, cytotoxic, analgesic, antipyretic and anti-inflammatory activities of *Strychnos nux-vomica***  
Omayma A. Eldahshan, Mohamed Abdel-Daim  
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16. **Clerodane diterpenes from *Polyalthia longifolia* var. *pendula* protect SK-N-MC human neuroblastoma cells from  $\beta$ -Amyloid insult**  
Tung-Ho Wu, Yung-Yi Cheng, Jing-Ru Liou, Tzong-Der Way, Chao-Jung Chen, Yung-Husan Chen, Sheng-Chu Kuo, Mohamed El-Shazly, F.-R. Chang, Yang-Chang Wu and Chih-Chuang Liaw  
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17. **Insights on the isolation, biological activity and synthetic protocols of enyne derivatives.**  
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*Curr Top Med Chem.* 2014; 14:1076-93. (**Impact factor: 3.702**)
18. **Bioactivity of *Enterolobium timbouva* plant extract and its isolated pure compounds.**

**Mariam I. Gamal El-Din, Omayma A. Eldahshan, Ashraf B. Abdel-Naim, Abdel-Nasser B. Singab and Nahla A. Ayoub**

*British J of Pharmaceutical Research*, 2014; 4(7): 826-836.

19. **Evaluation of plant phenolic metabolites as a source of Alzheimer's drug leads**  
Yara Hassaan, Heba Handoussa, Ahmed H. El-Khatib, Michael W. Linscheid, Nesrine El Sayed, and **Nahla Ayoub**  
*BioMed Res Int* (2014) (**Impact factor: 2.88**)
20. **Iron-catalyzed oxidative direct  $\alpha$ -C-H bond functionalization of cyclic ethers: selective C-O bond formation in the presence of a labile aldehyde group**  
Balaji D. Barve, Yang-Chang Wu, **Mohamed El-Shazly**, Michal Korinek, Yuan-Bin Cheng, Jeh-Jeng Wang, and Fang-Rong Chang  
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21. **Copper-catalyzed oxidative coupling of formamides with salicylaldehydes: synthesis of carbamates in the presence of a sensitive aldehyde group**  
Balaji D. Barve, Yang-Chang Wu, **Mohamed El-Shazly**, Da-Wei Chuang, Yuan-Bin Cheng, Jeh-Jeng Wang, and Fang-Rong Chang  
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22. **A new cytotoxic steroid from co-fermentation of two marine alga-derived micro-organisms**  
**Sherif S. Ebada**, Thomas Fischer, Sarah Klafen, Alexandra Hamacher, Yoen Ok Roth, Matthias U. Kassack, and Eckhard H. Roth  
*Nat Prod Res* (2014), (**Impact factor: 1.00**)
23. **Medicinal plants with potential antidiabetic activity and their assessment**  
**Abdel Nasser Singab, Fadia S. Youssef and Mohamed L. Ashour**  
*Med Aromat Plants* (2014); 3: 151.
24. **Three New Clerodane Diterpenes from *Polyalthia longifolia* var. pendula**  
Tung-Ho Wu, Yung-Yi Cheng, Chao-Jung Chen, Lean-Teik Ng, Li-Chen Chou, Li-Jiau Huang, Yung-Husan Chen, Sheng-Chu Kuo, **Mohamed El-Shazly**, Yang-Chang Wu, Fang-Rong Chang, and Chih-Chuang Liaw  
*Molecules* (2014) 19: 2049-2060. (**Impact factor: 2.38**)
25. **Chemical composition and biological activity of the essential oils of cumin and coriander fruits from Egypt**  
Rasha Hanafy, Mansour Sobh, **Mohamed L. Ashour**, Mahmoud Z. El-Readi, Samar Y. Desouky, Raimund Niess, Ashraf Abadi and Michael Wink  
*Nat Prod J* (2014),
26. **Albumin-bound nanoparticles of practically water-insoluble antimalarial lead greatly enhance its efficacy.**  
N. Ibrahim, H. Ibrahim, J. Dormoi, S. Briolant, B. Pradines, A. Moreno, D. Mazier, P. Legrand, F. Nepveu.  
*Int J Pharm* (2014), 464: 214 - 224 (**Impact factor: 3.785**)
27. **CCl<sub>4</sub>-induced hepatonephrotoxicity: protective effect of nutraceuticals on inflammatory factors and antioxidative status in rat**  
N. Mohamed, H. Abd-Alla, H. Aly, M. Mantawy, N. Ibrahim, S. Hassan,  
*Journal of Applied Pharmaceutical Science* (2014), 4 (02): 87-100
28. **Volatile oils from aerial parts of *Eremophila maculata* and their antimicrobial activity**

- Fadia S. Youssef**, Razan Hamoud, **Mohamed L. Ashour**, **Abdel Nasser Singab** and Michael Wink  
*Chem Biodivers* (2014), (**Impact factor: 1.808**)
29. **Molluscicidal and antischistosomal activities of methanol extracts and isolated compounds from *Eucalyptus globulus* and *Melaleuca styphelioides***  
**Eman Al-Sayed**, Hoda Abdel Hamid, and Hanaa M. Abu El Einin  
*Pharm Biol.* (2014), (**Impact factor: 1.92**)
30. **Anti-infective and cytotoxic properties of *Bupleurum marginatum***  
**Mohamed L. Ashour**, Mahmoud Z. El-Readi, Razan Hamoud, Safaa Y. Eid, **Sherweit H. El-Ahmady**, Endalkachew Nibret, Florian Herrmann, Mahmoud Youns, Ahmed Tahrani, Dorothea Kaufmann, and Michael Wink  
*Chin Med* (2014), 9:4. (**Impact factor: 2.34**)
31. **Psychrophilin E, a new cyclotriptide, from co-fermentation of two marine alga-derived fungi of the genus *Aspergillus***  
**Sherif S. Ebada**, Thomas Fischer, Alexandra Hamacher, Feng-Yu Du, Yoen Ok Roth, Matthias U. Kassack, Bin-Gui Wang and Eckhard H. Roth  
*Nat Prod Res* (2014), (**Impact factor: 1.00**)
32. **Protective Effect of Rhoifolin on Gamma Irradiation Induced Cardiac Dysfunctions in Albino Mice**  
Omama E. El-Shawi and **Omayma A. Eldahshan**  
*Arab J Nuclear Sci App.* (2014), 47: 198-207
33. **The Genus *Jacaranda* (Bignoniaceae): An Updated Review**  
**Nada M Mostafa, Omayma A. Eldahshan and Abdel Nasser B. Singab**  
*Pharmacognosy Communications*, 4 ((3)), 31-39, 2014.
34. **Genus *Kalanchoe* (Crassulaceae): A review of its ethnomedicinal, botanical, chemical and pharmacological properties**  
**Rola Milad, Sherweit El-Ahmady and Abdel Nasser Singab**  
*Eur J Med Plants* (2014), 4: 86-104.
35. **Antiprotozoal and molluscicidal activities of *Pelargonium graveolens*.**  
Eman Al-Sayed, Hoda Abdel Hamid, Hanaa M. Abu El Eininb, Eman Ali, Zeinab Fahmy.  
*International journal of Pharmacy* 2014. 4(4):209-214. (IF: 0.8).
36. **Molecular fingerprinting of the Egyptian medicinal plant *Cocculus pendulus***  
A. Fathi Shadia, M. El-Saied Fareida, **A.B. Sengab**, M. Sherif Naglaa, A.M. Osman, S. El-Demerdash El-Shaimaa  
*Egypt J Med Hum Genet* (2014), 15: 15-23.

## Publications 2013

- 1. Isolation of Chemical Constituents and Protective effect of *Pistacia khinjuk* Against CCl<sub>4</sub>-Induced Damage on HepG2 Cells**  
A. Y. Moussa, R. M. Labib and N. A. Avoub  
*Phytopharmacology* 2013, 4 (4), 1-9
- 2. Phyto-SERM Constitutes from *Flemingia macrophylla***  
Lai WC, Tsui YT, Singab AN, El-Shazly M, Du YC, Hwang TL, Wu CC, Yen MH, Lee CK, Hou MF, Wu YC, Chang FR  
*Int J Mol Sci.* (2013), 14:15578-94 (**Impact factor: 2.464**)
- 3. Authentication of the monofloral Yemeni Sidr honey using UV spectroscopy and chemometric analysis**  
Abdul-Rahman A Roshan, Haidy A Gad, Sherweit H El-Ahmady, Mohamed S Khanbash, Mohamed I Abou-Shoer, and Mohamed M Al-Azizi  
*J Agr Food Chem.* (2013), 61: 7722–7729 (**Impact factor: 2.906**)
- 4. Synthesis of 1,5-diphenylpent-3-en-1-yne derivatives utilizing an aqueous B-alkyl Suzuki cross coupling reaction**  
Da-Wei Chuang, Mohamed El-Shazly, Chin-Chau Chen, Yu-Ming Chung, Balaji D. Barve, Ming-Jung Wu, Fang-Rong Chang, Yang-Chang Wu  
*Tetrahed Lett* (2013), 54: 5162-5166. (**Impact factor: 2.68**)
- 5. Phytochemical, cytotoxic, hepatoprotective and antioxidant properties of *Delonix regia* leaves extract**  
Samar S. Azab, Mohamed Abdel-Daim, Omayma A. Eldahshan  
*Med Chem Res* (2013), 22: 4269-4277 (**Impact factor: 1.27**)
- 6. Modular strategies for structure and function employed by marine cyanobacteria: characterization and synthesis of pitinoic acids**  
Rana Montaser, Valerie J. Paul, and Hendrik Luesch  
*Org Lett* (2013), 15: 4050-4053. (**Impact factor: 6.14**)
- 7. An epigenetic modifier enhances the production of anti-diabetic and anti-inflammatory sesquiterpenoids from *Aspergillus sydowii***  
Yu-Ming Chung, Chien-Kei Wei, Da-Wei Chuang, Mohamed El-Shazly, Chi-Ting Hsieh, Teigo Asai, Yoshiteru Oshima, Tusty-Jiuan Hsieh, Tsong-Long Hwang, Yang-Chang Wu and Fang-Rong Chang  
*Bioorg Med Chem Lett* (2013), 21: 3866-72 (**Impact factor: 2.55**)
- 8. Towards the Small and the Beautiful: A Small Dibromotyrosine Derivative from *Pseudoceratina* sp. Sponge Exhibits Potent Apoptotic Effect through Targeting IKK/NFκB Signaling Pathway**  
Jui-Hsin Su, Yu-Cheng Chen, Mohamed El-Shazly, Ying-Chi Du, Chiang-Wen Su, Chia-Wei Tsao, Li-Lian Liu, Yalan Chou, Wen-Been Chang, Yin-Di Su, Michael Y. Chiang, Yao-Tsung Yeh, Mei-Chin Lu  
*Mar. Drugs* (2013), 11: 3168-3185 (**Impact factor: 3.97**)
- 9. 5-Episinuleptolide Acetate, a norcembranoidal diterpene from the formosan soft coral *Sinularia* sp., induces leukemia cell apoptosis through Hsp90 inhibition**  
Kao-Jean Huang, Yu-Cheng Chen, Mohamed El-Shazly, Ying-Chi Du, Jui-Hsin Su, Chia-Wei Tsao, Wei-Hsuan Yen, Wen-Been Chang, Yin-Di Su, Yao-Tsung Yeh and Mei-Chin Lu  
*Molecules* (2013) 18: 2924-2933. (**Impact factor: 2.38**)
- 10. Spirostanoids with 1,4-dien-3-one or 3β,7α-diol-5,6-ene moieties from *Solanum violaceum***

- Fang-Rong Chang, Chiao-Ting Yen, Mohamed El-Shazly, Cheng-Ying Yu, Ming-Hong Yen, Yuan-Bin Cheng, Shu-Li Chen, Yang-Chang Wu  
*Bioorg Med Chem Lett* (2013), 23: 2738-42 (**Impact factor: 2.55**)
11. **Botanical and genetic characteristics of *Eremophila maculata* and *Eremophila purpurascens* (Scrophulariaceae)**  
Rola M. Labib, Fadia S. Yousef, Mohamed L. Ashour, and Abdel Nasser Singab  
*World J Pharm Pharmaceut Sci* (2013), 2: 2711-2736
  12. **Variations in chemical composition and bioactivity of the essential oils obtained from the leaves and stems of *Liquidambar styraciflua* (Altingiaceae).**  
Mahmoud Z. El-Readi, Hanaa H. Eid, Mohamed L. Ashour, Safaa Y. Eid, Rola M. Labib, Frank Sporer and Michael Wink.  
*J Pharm Pharmacol* (2013), 65:1653-1663. (**Impact factor: 2.17**)
  13. **A novel methylated sesquiterpene from seagrass *Posidonia oceanica* (L.) Delile.**  
Saoussen Hammami, Abdelkader Ben Salem, Mohamed L. Ashour, Jihène Cheriaa, Guella Graziano, and Zine Mighri.  
*Nat Prod Res* (2013), 14:1265-1270 (**Impact factor: 1.00**)
  14. **Suberoylanilide hydroxamic acid, a histone deacetylase inhibitor, induces the production of antiinflammatory cyclodepsipeptides from *Beauveria felina*.**  
Yu-Ming Chung, Mohamed El-Shazly, Da-Wei Chuang, Tsong-Long Hwang, Teigo Asai, Yoshiteru Oshima, Mohamed L. Ashour, Yang-Chang Wu, and Fang-Rong Chang  
*J Nat Prod* (2013), 76: 1260-1266 (**Impact factor: 3.12**)
  15. **The genus *Eremophila*: A review of ethnobotanical, biological, and phytochemical properties.**  
Abdel Nasser Singab, Fadia Yousef, Mohamed L. Ashour and Michael Wink  
*J Pharm Pharmacol* (2013), 65: 1239–1279 (**Impact factor: 2.17**)
  16. **Anti-inflammatory and cytotoxic activities of dietary phenolics isolated from *Corchorus olitorius* and *Vitis vinifera***  
Heba Handoussa, Rasha Hanafi, Islam Eddiasty, Mohamed El-Gendy, Ahmed El Khatib, Micheal Linscheid, Laila Mahran, Nahla Ayoub  
*J Funct Foods* (2013), 5: 1204–1216 (**Impact factor: 2.44**)
  17. **Bioactive cembranoids from the Red Sea soft coral *Sarcophyton glaucum***  
Rania F. Abou El-Ezz, Safwat A. Ahmed, Mohamed M. Radwan, Nahla A. Ayoub, Manal S. Afifi, Samir A. Ross, Pawel T. Szymanski, Hesham Fahmy, Sherief I. Khalifa  
*Tetrahed Lett* (2013) 54: 989-992. (**Impact factor: 2.68**)
  18. **A modern approach to the authentication and quality assessment of thyme using UV spectroscopy and chemometric analysis**  
Haidy A. Gad, Sherweit H. El-Ahmady, Mohamed I. Abou-Shoer, and Mohamed M. Al-Azizi  
*Phytochem Anal* (2013), 24: 520–526, (**Impact factor: 2.63**)
  19. **Chemical composition and anti-inflammatory activity of the essential oils of *Psidium guajava* fruits and leaves**  
Sherweit H. El-Ahmady, Mohamed L. Ashour and Michael Wink  
*J Essent Oil Res* (2013), 25: 475-481 (**Impact factor: 0.51**)
  20. **The antiproliferative effect of mulberry (*Morus alba* L.) plant on hepatocarcinoma cell line HepG2**  
Shadia A. Fathy, Abdel Nasser B. Singab, Sara A. Agwa, Dalia M. Abd El Hamid, Fatma A. Zahra, Sawsan M. Abd El Moneim

- Egy J Med Human Gen* (2013), 14: 375-382.
21. **Chemical constituents and pharmacological studies of *Lagerstroemia indica***  
**R.M. Labib, N.A. Ayoub, A.B. Singab, M.M. Al-Azizi** and A. Sleem  
*Phytopharmacology* (2013) 4: 373-389
  22. **The oestrogenic and anti-platelet activities of dihydrobenzofuroisocoumarins and homoisoflavonoids from *Liriope platyphylla* roots**  
Yu-Chi Tsai, Shang-Yu Jiang, **Mohamed El-Shazly**, Chin-Chung Wu, Ludger Beerhues, Wan-Chun Lai, Shou-Fang Wu, Ming-Hong Yen, Yang-Chang Wu and Fang-Rong Chang  
*Food Chem* (2013), 140:305-314. **(Impact factor: 3.65)**
  23. **Modulation of multidrug resistance in cancer cells by chelidonine and *Chelidonium majus* alkaloids**  
Mahmoud Z. El-readi, Safaa Y. Eid, **Mohamed L. Ashour**, Ahmad Tahrani and Michael Wink.  
*Phytomedicine* (2013) 20: 282-294. **(Impact factor: 3.26)**
  24. **Chemical Composition of the Essential Oils of Variegated Pink-fleshed Lemon (*Citrus x limon* L. Burm.f.) and their Anti-inflammatory and Antimicrobial Activities**  
Dalia Hamdan, **Mohamed L. Ashour**, Sri Mulyaningsih, Assem El-Shazly and Michael Wink  
*Z Naturforsch C* (2013), 68: 275-284. **(Impact factor: 0.77)**
  25. **Lycopene and lutein; a review for their chemistry and medicinal uses**  
Mohamed A. El-Raey, Gamil E. Ibrahim, and **Omayma A. Eldahshan**  
*J Pharmacog Phytochem* (2013) 2(1): 245-254.
  26. **Studying the possible biotransformation of the cytotoxic diterpenoid paclitaxel using *Jatropha curcas* cell suspension culture**  
**Sara A. Nassar, Sherweit H. El-Ahmady**, Abla H. Nassar and **Mohamed M. Al-Azizi**  
*Eur J Med Plants* (2013), 3: 241-253.
  27. **Carotenoids**  
**Omayma A. Eldahshan** and **Abdel Nasser B. Singab**  
*J Pharmacog Phytochem* (2013) 2: 225-234.
  28. **Novel quercetin glycoside with promising hepatoprotective activity isolated from *Lobularia libyca* (VIV). C.F.W. (Brassicaceae)**  
**Nahla Ayoub**, Khaled A. Nematallah, Amal A. Al-Gendy and Soumaya S. Zaghloul  
*Eur Sci J* (2013), 9:177-193.
  29. **Metabolomics driven analysis of artichoke leaf and its commercial products via UHPLC–qTOF-MS and chemometrics**  
Mohamed A. Farag, **Sherweit H. Al-Ahmady**, Fatma S. Elian and Ludger A Wessjohann  
*Phytochemistry* (2013), 95:177-187. **(Impact factor: 3.35)**
  30. **Protective and therapeutic activities of *Mayodendron igneum* Kurz against paracetamol induced liver toxicity in rats and its bioactive constituents**  
Manal H. Shabana, Fatma A.M. Hashem, **Abdel-Naser Singab**, Sally Khaled and Abdel-Razik Farrag  
*J App Pharm Sci* (2013) 3: 147-155
  31. **Recent research and development of *Antrodia cinnamomea***  
Mei-Chin Lu, **Mohamed El-Shazly**, Tung-Ying Wu, Ying-Chi Du, Tun-Tschu Chang, Chieh-Fu Chen, Yu-Ming Hsu, Kuei-Hung Lai, Ching-Peng Chiu, Fang-Rong Chang, Yang-Chang Wu.  
*Pharmacol Ther* (2013), 139: 124-156 **(Impact factor: 8.56)**
  32. ***Pyrostegia venusta* (Ker Gawl.) Miers: A Botanical, Pharmacological and Phytochemical Review**

- Nada M Mostafa, Omayma El-Dahshan and Abdel Nasser B Singab**  
*Med Aromat Plants* (2013), 2: 123
33. **Effect of extraction on phenolic content, silymarin and antiradical activities of artichoke leaves and roots**  
Gamil E. Ibrahim, Mohamed A. El-Raey, **Omayma A. Eldahshan**, Ahmed M. A. Souleman  
*Eur Sci J* (2013) 9:100-110.
34. ***Simmondsia chinensis* (Jojoba): A comprehensive pharmacognostic study**  
**Mohamed L. Ashour, Nahla A. Ayoub, Abdel Nasser Singab** and Mohamed M. Al-Azizi  
*J Pharmacog Phytochem* (2013), 2(2): 97-120.
35. **Phytochemical investigation and molecular profiling by p21 and NF- $\kappa$ B of *Chorisia crispiflora* hexane extract in human breast cancer cells *in vitro***  
Samar S. Azab, Abeer M. Ashmawy and **Omayma A. Eldahshan**  
*British J Pharm Res* (2013), 3(1): 78-89
36. **1,5-Diphenylpent-3-en-1-ynes and methyl naphthalene carboxylates from *Lawsonia inermis* and their anti-inflammatory activity**  
Jing-Ru Liou, **Mohamed El-Shazly**, Ying-Chi Du, Chao-Neng Tseng, Tsong-Long Hwang, Yueh-Lin Chuang, Yu-Ming Hsu, Pei-Wen Hsieh, Chin-Chun Wu, Shu-Li Chen, Ming-Feng Hou, Fang-Rong Chang, Yang-Chang Wu  
*Phytochemistry* (2013), 88: 67-73. **(Impact factor: 3.35)**
37. **Macrocyclic spermidine alkaloids from *Androya decaryi* L. Perrier**  
A-C. Le Lamer, N. Ibrahim, F. Manjary, S. Mallet-Ladeira, C. Girardi, A. Valentin, N. Fabre, C. Moulis  
*Molecules* (2013), 18(4): 3962-3971 **(Impact factor: 2.416)**
38. **Rhoifolin; A potent antiproliferative effect on cancer cell lines**  
**Omayma El-Dahshan**  
*British J Pharm Res* (2013), 3(1): 46-53
39. **The synergetic efficacy of the combination of amphotericin B and certain essential oils against selected fungal clinical isolates**  
**Sherweit El-Ahmady, Mohamed El-Shazly** and **Rola Milad**  
*J App Pharm Sci* (2013) 3: 26-30
40. **New approach to the characterization and quantification of *Antrodia cinnamomea* benzenoid components utilizing HPLC-PDA, qNMR and HPLC-tandem MS: Comparing the wild fruiting bodies and its artificial cultivated commercial products**  
Tung-Ying Wu, Ying-Chi Du, Yu-Ming Hsu, Chi-Yu Lu, **Abdel Nasser B. Singab, Mohamed El-Shazly**, Tsong-Long Hwang, Wan-Yu Lin, Kuei-Hung Lai, Mei-Chin Lu, Yi-Hong Tsai, Ming-Feng Hou, Tsai-Hui Duh, Fang-Rong Chang  
*Food Res Int* (2013) 51:23-31. **(Impact factor: 3.15)**
41. **Application of chemometrics in authentication of herbal medicines: A review**  
**Haidy A. Gad, Sherweit H. El-Ahmady**, Mohamed I. Abou-Shoer, and **Mohamed M. Al-Azizi**  
*Phytochem Anal* (2013) 24: 1-23. **(Impact factor: 2.63)**
42. **Antiproliferative, antimicrobial and antioxidant activities of the chemical constituents of *Ajuga turkestanica***  
Nilufar Z. Mamadalieva, Mahmoud Z. El-Readi, Elisa Ovidi, **Mohamed L. Ashour**, Razan Hamoud, Shamansur S. Sagdullaev, Sakhnoza S. Azimova, Antonio Tiezzi, Michael Wink.





## Department of Pharmacognosy



*Phytopharmacology* (2013), 4: 1-18.

## Publications 2012

- 10-Acetylirciformonin B, A Sponge Furanoterpenoid, Induces DNA Damage and Apoptosis in Leukemia Cells**  
Jui-Hsin Su, Wen-Been Chang, Huei-Mei Chen, Mohamed El-Shazly, Ying-Chi Du, Ting-Hsuan Kung, Yu-Cheng Chen, Ping-Jyun Sung, Yuan-Shing Ho, Fu-Wen Kuo and Mei-Chin Lu  
*Molecules* (2012) 17: 11839-11848. **(Impact factor: 2.38)**
- Synthesis of Carbamates by Direct C–H Bond Activation of Formamides**  
Balaji D. Barve, Yang-Chang Wu, Mohamed El-Shazly, Da-Wei Chuang, Yu-Ming Chung, Yi-Hong Tsai, Shou-Fang Wu, Michal Korinek, Ying-Chi Du, Chi-Ting Hsieh, Jeh-Jeng Wang, Fang-Rong Chang  
*Eur J Org Chem* (2012) 2012: 6760–6766. **(Impact factor: 3.32)**
- Synthesis of Flavones and  $\gamma$ -Benzopyranones Using Mild Sonogashira Coupling and 18-Crown-6 Ether Mediated 6-endo Cyclization**  
Da-Wei Chuang, Mohamed El-Shazly, Barve Balaji D., Yu-Ming Chung, Fang-Rong Chang, and Yang-Chang Wu  
*Eur J Org Chem* (2012) 2012: 4533–4540. **(Impact factor: 3.32)**
- Synthesis of chalcone derivatives as potential anti-diabetic agents**  
Chi-Ting Hsieh, Tusty-Juan Hsieh, Mohamed El-Shazly, Da-Wei Chuang, Yi-Hong Tsai, Chiao-Ting Yen, Shou-Fang Wu, Yang-Chang Wu, Fang-Rong Chang  
*Bioorg Med Chem Lett* (2012) 22: 3912–3915 **(Impact factor: 2.55)**
- Marine Cyanobacterial Fatty Acid Amides Acting on Cannabinoid Receptors**  
Rana Montaser, Valerie J. Paul, Hendrik Luesch  
*Chem Bio Chem* (2012) 13: 2676–2681. **(Impact factor: 3.94)**
- New flavonol glycosides from *Barbeya oleoides* Schweinfurth**  
Mai M. Al-Oqail, Adnan J. Al-Rehaily, Wafaa H.B. Hassan, Taghreed A. Ibrahim, Mohammad S. Ahmad, Sherif S.Ebada, Peter Proksch  
*Food Chem.* (2012), 132: 2081-2088. **(Impact factor: 3.65)**
- HPLC–PDA–ESI–MS/MS profiling and chemopreventive potential of *Eucalyptus gomphocephala* DC**  
Eman Al-Sayed, Abdel-Nasser Singab, Nahla Ayoub, Olli Martiskainen, Jari Sinkkonen, Kalevi Pihlaja  
*Food Chem.* (2012), 133: 1017-1024. **(Impact factor: 3.65)**
- Cytotoxic ellagitannins from *Reaumuria vermiculata***  
Nawwar, Mahmoud A., Ayoub, Nahla A., El-Rai, Mohamed A., Bassyouny, Fatma, Mostafa, Eman S., Al-Abd, Ahmed M., Harms, Manuela, Wende, Kristian, Lindequist, Ulrike, Linscheid, Michael W.  
*Fitoterapia* (2012) 83:1256-1266. **(Impact factor: 1.84)**
- Geranyl flavonoid derivatives from the fresh leaves of *Artocarpus communis* and their anti-inflammatory activity**  
Chin-Lin Hsu, Fang-Rong Chang, Pei-Yu Tseng, Yi-Fen Chen, Mohamed El-Shazly, Ying-Chi Du, and Song-Chwan Fang  
*Planta Med* (2012) 78: 995-1001. **(Impact factor: 2.15)**
- Effects of *Chorisia crispiflora* Ethyl Acetate Extract on P21 and NF- $\kappa$ B in Breast Cancer Cells**  
Abeer M. Ashmawy, Samar S. Azab, Omayma A. Eldahshan  
*J Amer Sci* (2012) 8: 965-972.

11. **Antileukemia component, dehydroeburicoic acid from *Antrodia camphorata* induces DNA damage and apoptosis in vitro and in vivo models**  
Ying-Chi Du, Fang-Rong Chang, Tung-Ying Wu, Yu-Ming Hsu, Mohamed El-Shazly, Chieh-Fu Chen, Ping-Jyun Sung, Yan-Yu Lin, Yi-Hsin Lin, Yang-Chang Wu, and Mei-Chin Lu  
*Phytomedicine* (2012) 19:788–796. (**Impact factor: 3.26**)
12. **A Flavonol triglycoside and investigation of the antioxidant and cell stimulating activities of *Annona muricata* Linn**  
Nawwar M, Ayoub N, Hussein S, Hashim A, El-Sharawy R, Wende K, Harms M, Lindequist U.  
*Arch Pharm Res* (2012), 35:761-7. (**Impact factor: 1.59**)
13. **Chemical constituents from *Farfugium japonicum* var. *formosanum***  
Hsieh SF, Hsieh TJ, El-Shazly M, Du YC, Wu CC, Hwang TL, Wu YC, Chang FR  
*Nat Prod Commun.* (2012), 7: 435-40. (**Impact factor: 1.24**)
14. **Anti-apoptotic effects of tamarind leaves against ethanol-induced rat liver injury**  
Asser I. Ghoneim, Omayma A. Eldahshan  
*J Pharm Pharmacol* (2012), 64: 430-438. (**Impact factor: 2.17**)
15. **A novel cytotoxic aryltetraline lactone from *Bupleurum marginatum* (Apiaceae)**  
Mohamed L. Ashour, Mahmoud Z. El-Readi, Ahmed Tahrani, Safaa Eid and Michael Wink.  
*Phytochem Lett* (2012), 5: 387-392. (**Impact factor: 1.22**)
16. ***Kalanchoe thrysiflora* Harv. and *Kalanchoe marmorata* Baker; DNA Profiling, biological guided fractionation of different extracts; isolation and identification of cytotoxic compounds**  
Abdel Nasser Singab, Sherweit El-Ahmady, Rola Milad and Sally Saad  
*J Applied Pharm Sci* (2012) 2: 215-220
17. **Anti-Inflammatory Activity of *Pistacia khinjuk* in Different Experimental Models: Isolation and Characterization of Its Flavonoids and Galloylated Sugars**  
Ahmed Esmat, Fahad A. Al-Abbasi, Mardi M. Algandaby, Ashaimaa Y. Moussa, Rola M. Labib, Nahla A. Ayoub, and Ashraf B. Abdel-Naim  
*J Med Food.* (2012), 15: 278-87. (**Impact factor: 1.40**)
18. **Chemistry of marine sponges–Alkaloids, peptides, and terpenoids.**  
Ebada S.S., Proksch P.  
*Marine Natural Products* In Fattorusso, E., Gerwick, W.H., Tagliatela-Scafati O. (eds.), Springer Verlag, (2012), 191-293.
19. **Secondary metabolites from plants inhibiting ABC transporters and reversing resistance of cancer cells and microbes to cytotoxic and antimicrobial agents.**  
Wink M, Ashour ML, El-Readi MZ.  
*Front Microbiol.* (2012), 3:130
20. **Antioxidant activity of *Mayodendron igneum* Kurz and the cytotoxicity of the isolated terpenoids**  
Hashem, F.A, A.E Sengab, M.H. Shabana, S. Khaled.  
*J Medicinally Active Plants* (2012), 1:88-97.
21. **Anti-inflammatory effect of apigenin-7-neohesperidoside (rhoifolin) in carrageenin-induced rat oedema model**  
Omayma A. Eldahshan and Samar S. Azab  
*J Applied Pharm Sci* (2012) 2: 74-79

22. **Antioxidant and Cytotoxic Activities of *Cuphea hyssopifolia* Kunth (Lythraceae) Cultivated in Egypt**  
Mohamed Elgindi, Nahla Ayoub, Rola Milad, and Reham Mekky  
*J Pharmacog Phytochem* (2012) 1: 68-78.
  
23. **Bioactive secondary metabolites from marine-derived fungi.**  
Ebada S.S., Proksch P.  
*Marine Pharmacognosy: Trends and Applications* In Kim, S.-K. (ed.), CRC Press Taylor & Francis Group, (2012) 27–51.
  
24. **Plant natural products as potential modulators of the transcription factor NF- $\kappa$ B**  
Mohamed L. Ashour and Sherif S. Ebada  
*Med Aromt Plant Sci Biotech* (2012) 6: 11-19.

## Publications 2011

### **Synthesis and anti-microbial activity of some 1- substituted amino-4,6-dimethyl -2-oxo-pyridine-3-carbonitrile derivatives**

Rizk E. Khidre, Ameen A. Abu-Hashem, Mohamed El-Shazly  
*Euro J Med Chem.* (2011), 46: 5057–5064. **(Impact factor: 3.34)**

### **A comprehensive review of Cuphea (Lythraceae)**

Mohamed R elgindi, Nahla Ayoub, Rola Milad, Reham Hassan  
*Res J Pharm Biol Chem Sci* (2011), 2: 847-855.

### **Antioxidant and Tyrosinase Inhibitory Constituents from a Desugared Sugar Cane Extract, a Byproduct of Sugar Production**

Yu-Ming Chung, Hui-Chun Wang, Mohamed El-Shazly, Yann-Lii Leu, Ming-Ching Cheng, Chia-Lin Lee, Fang-Rong Chang and Yang-Chang Wu  
*J Agr Food Chem.* (2011), 59: 9219–9225. **(Impact factor: 2.82)**

### **Constitutive phenolics of *Harpephyllum caffrum* (Anacardiaceae) and their biological effects on human keratinocytes.**

Nawwar M, Hussein S, Ayoub N, Hashim A, El-Sharawy R, Lindequist U, Harms M, Wende K.  
*Fitoterapia.* (2011), 82: 1265-1271. **(Impact factor: 1.84)**

### **Arthrinins A-D: novel diterpenoids and further constituents from the sponge derived fungus *Arthrinium* sp.**

Ebada SS, Schulz B, Wray V, Totzke F, Kubbutat MH, Müller WE, Hamacher A, Kassack MU, Lin W, Proksch P.  
*Bioorg Med Chem.* (2011), 19: 4644-4651. **(Impact factor: 2.92)**

### **Sequential Reductive Amination-Hydrogenolysis: A One-Pot Synthesis of Challenging Chiral Primary Amines**

Thomas C. Nugent, Daniela E. Negru, Mohamed El-Shazly, Dan Hu, Abdul Sadiq, Ahtaram Bibi, M. Naveed Umar  
*Adv. Synth. Catal.* (2011), 353: 2085 – 2092. **(Impact factor: 6.08)**

### **Pitipeptolides C-F, antimycobacterial cyclodepsipeptides from the marine cyanobacterium *Lyngbya majuscula* from Guam.**

Montaser R, Paul VJ, Luesch H.  
*Phytochemistry.* (2011), 72: 2068-2074. **(Impact factor: 3.35)**

### **Marine natural products: a new wave of drugs?**

Montaser R, Luesch H.  
*Future Med Chem.* (2011), 3: 1475-89. **(Impact factor: 2.52)**

### **Malyngamide 3 and cocosamides A and B from the marine cyanobacterium *Lyngbya majuscula* from Cocos Lagoon, Guam.**

Gunasekera SP, Owle CS, Montaser R, Luesch H, Paul VJ.  
*J Nat Prod.* (2011), 74: 871-876. **(Impact factor: 3.12)**

### **Antioxidant Activity of *Artocarpus heterophyllus* Lam. (Jack Fruit) Leaf Extracts: Remarkable Attenuations of Hyperglycemia and Hyperlipidemia in Streptozotocin-Diabetic Rats.**

Omar HS, El-Beshbishy HA, Moussa Z, Taha KF, Singab AN.  
*ScientificWorldJournal.* (2011), 11: 788-800.

### **Diversity of Pharmacological Properties in Chinese and European Medicinal Plants: Cytotoxicity, Antiviral and Antitrypanosomal Screening of 82 Herbal Drugs.**

Florian Herrmann, Marta R. Romero, Alba G. Blazquez, Dorothea Kaufmann, **Mohamed L. Ashour**, Stefan Kahl, Jose J.G. Marin, Thomas Efferth and Michael Wink  
*Diversity* (2011), 3: 547- 580

**Genus *Bupleurum*: A review of its phytochemistry, pharmacology and modes of action**

**Mohamed L. Ashour** and Michael Wink

*J Pharm Pharmacol* (2011), 63: 305-321. **(Impact factor: 2.17)**

**Chemical Composition of Essential Oil from Doum Fruits *Hyphaene thebaica* (Palmae)**

**NA Ayoub, OA Eldahshan, ANB Singab, MM Al-Azizi**

*J Essent Oil Bear Pl* (2011), 14: 245-249. **(Impact factor: 0.29)**

**Chemical and pharmacological significance of natural guanidines from marine invertebrates.**

**Ebada SS** and Proksch P.

*Mini-Rev Med Chem.* (2011), 11: 225-246. **(Impact factor: 2.52)**

**Anticancer activity of '*Mayodendron igneum*', Kurz family bignoniaceae**

Hashem, Fatma, **Sengab, Abd El-Naser**, Shabana, Manal and Eid, Sally

*Aust J Med Herbalism* (2011), 23: 128-13.

**Pitiprolamide, a proline-rich dolastatin 16 analogue from the marine cyanobacterium *Lyngbya majuscula* from Guam**

**Montaser R.**, Abboud KA, Paul VJ, Luesch H.

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