

Ali Mahmoud El Halawany

Date of birth: 28/06/1974

Nationality: Egyptian

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Education

Oct. 2004-Sept.2007: PhD Student in Graduate School of Pharmaceutical and Medical Sciences, Toyama University, Toyama, Japan. (Major: Phytochemistry, Sept.2007)

May 1998-Aug.2002: Master student in Faculty of Pharmacy, Cairo University (Major: Pharmacognosy)

Sept.1997-May 1998: Premaster courses in pharmacognosy

Sept. 1991-May 1996: Undergraduate student, Faculty of Pharmacy, Cairo University. (B.sc: Pharmaceutical sciences, may 1996)
Grade: Excellent with honours.

Work Experiences

May2018-till now: Chief scientific officer NAWAH Scientific company, Egypt.

June 2019-till now: Professor of Chemistry of Natural Products, Dept., of Pharmacognosy, Faculty of Pharmacy, Cairo University.

Aug. 2014-May 2019: Associate professor, Dept., of Pharmacognosy, Faculty of Pharmacy, Cairo University.

Nov.2011-2016: Assistant professor (for research) in Dept., of Natural Products and Alternative Medicine, King Abdul Aziz University, KSA.

April2009-March2010: Postdoctoral fellow, Institute of Natural Medicine, Toyama University

Nov. 2008- Aug.2014: Assistant Professor in Dept. of Pharmacognosy, Faculty of Pharmacy, Cairo Univ.

April 2008-Oct.2008: Visiting foreign researcher, Institute of Natural Medicine, Toyama University

NOV.2007-March 2008: COE researcher in Toyama University, Institute of Natural Medicine, Dept. of Metabolic engineering

Aug.2002-March 2004: Assistant lecturer, Dept. of Pharmacognosy, Faculty of

Pharmacy, Cairo University.

Jan.2002-June2002: Consultant researcher, R&D Centre, Sekem Herbal and Pharmaceutical Company, Egypt.

Sept.1996-July 2002: Demonstrator (TA), Dept. of Pharmacognosy, Faculty of Pharmacy, Cairo University.

May 1996-March 2004: Community pharmacist in Sky Centre Pharmacy, Giza, Egypt.

Skills

Phytochemical techniques:

5. Isolation and identification of medicinal plant constituents
6. Chromatographic techniques (TLC, CC, VLC, MPLC, GC and HPLC-Ms/Ms)
7. Computer based design and synthesis and derivatization of naturally occurring biologically active compounds
8. Structure elucidation techniques: Ability to use 1D and 2D NMR techniques, MS, UV and IR. In addition to structure elucidation of naturally occurring compounds.
9. Microscopical and macroscopical examination of medicinal plants.

Biological techniques:

- Working with human cell lines (e.g. MCF-7 cells...etc)
- Working with recombinant yeast cells (Yeast-Two hybrid assay for estrogenic activity)
- In vitro assay techniques such as estrogen receptor competitive screen kits and enzyme inhibitors such as anti-HIV and anti-HCV protease inhibitors.
- A little experience in transformation of phytoestrogens using intestinal bacteria.
- Virtual Docking Screen (VLS) and drug design using molecular modelling software such as ICM MOL soft and MOE.

Languages

Arabic: Mother tongue

English: Very good (oral and written) international TOEFL examination 227 computer based (573 paper based) done at AMIDEAST 2003, Cairo, Egypt.

Japanese : Good (passed Japanese proficiency test level 3, 2004, Toyama University)

French: Basics

Teaching Activities

- Participated in teaching the following courses in Faculty of Pharmacy, Cairo University
 1. Pharmacognosy II (Herbal products from seeds, fruits and underground parts)
 2. Phytochemistry I and II (Chemistry of volatile oil, carbohydrates, alkaloids and glycoside content of herbal medicine)
- Participated in teaching the Phytochemistry in Helwan University (2008)
- Participated in teaching the following courses in Faculty of Pharmacy, Nahda University in Benisuif (NUB) (2010-2012)
 - 1- Pharmacognosy (herbal products from leaves and flowers)
 2. Phytochemistry I and II (Chemistry of volatile oil, carbohydrates, alkaloids and glycoside content of herbal medicine)
 3. Phytotherapy
- Postgraduate course of plant biotechnology; Faculty of Pharmacy, Cairo University 2011/2012.
- Postgraduate course of advanced phytochemistry; Faculty of Pharmacy, Cairo University 2018 till now
- Postgraduate course of plant tissue culture 2013~2106 (King Abdulaziz University).

Training Courses

Educational and administrative training

- 1- Managing research teams (FLDC; Faculty and Leadership Development Center)(2012)
- 2- Financial aspects and university legal (FLDC)(2012)
- 3- Research ethics (FLDC)(2012)
- 4- Examination Techniques and Student Evaluation (FLDC) (2012)
- 5- Code of Ethics and Ethical Conduct (FLDC) (2012)
- 6- International Publishing of Research (FLDC)(2011)
- 7- How to Compete for a Research Fund (FLDC) (2011)
- 8- Communication Skills (FLDC)(2010)
- 9- Educational Credit Hour System (FLDC)(2010)
- 10-Conference Organization (FLDC)(2008)

11-International Accreditation parameters and requirements for Educational Systems (CIQAP, Faculty of Pharmacy)(2010)

12-OSCE and OSPE examination systems (King Abdulaziz University, 2013)

13-Electronic learning system and its role in educational development (King Abdulaziz University, 2013)

14-Blackboard training workshop (King Abdulaziz University, 2014)

Scientific training workshops

1- 3D human cell culture techniques. Colors for research (clinilab) 2012.

2- Web endnote as reference management software (King Abdulaziz University, 2013)

3- Computer aided drug design and its applications in drug discovery (King Abdulaziz University, 2013)

4- Marine cyanobacteria in drug discovery, Marine biotechnology and drug discovery and symbiosis and marine microbial natural products; Nov; 10-12, 2014. King Abdulaziz University, Jeddah, KSA.

Training Experiences

- October Pharm pharmaceutical company: one month at the production and quality control departments from July to August 1993.
- T3A pharmaceutical company: as medical representative

Scientific Activities

Reviewer in some natural product journals such as

- Pharmacognosy research (Pharmacog.net)
- JAR (Journal of Advanced Research, Elsevier)
- African journal of biotechnology
- Natural product research (Taylor and Francis)
- Journal of food analysis
- Journal of agriculture and food chemistry
- Journal of food sciences
- Plos one
- Phytotherapy research
- Phytochemistry

Associate editor in

- Bulletin Faculty of Pharmacy Cairo University (B-FOPCU, Elsevier)
- Journal of pharmacognosy and natural products (Hilaris publisher)

Research Projects

Principal Investigator in the following Projects:

- 1- **Development of biotechnological approach to utilize buckwheat as a platform to produce herbal markers of high purity for pharmaceutical industry applications.** National academy of scientific research, Egypt 2019.(2 years)
- 2- **Hepatoprotective Activity of *Aframomum melegueta* Against CCl₄-Induced Damage on the Rat Hepatocytes; Possible Role of the inhibition of Apoptosis and Pro-inflammatory Cytokines.** (DSR, King Abdulaziz University)
- 3- **Anti-Alzheimer Effect of Gingerol and Paradol, Major Constituents of Ginger,; Emphasis on Inhibition of β -Amyloid, COX-2 and Secretases** (DSR, King Abdulaziz University)
- 4- **Development of natural Leads as Carcinogenesis and Inflammation Blockers.** (DSR, King Abdulaziz University)

Co- Investigator in the following Projects

1. **Bioactive Natural Products from Egyptian Marine Endophytic Red Sea Fungi** (STDF) (STDF, Grant No. 990)
2. **Production of Fibrinolytic Enzyme from a Natural Source** (STDF)
3. **Anti-osteoporotic effect of constituents from *Sophora japonica*** (King Abdulaziz university DSR, 2013)
4. **A co-investigator in Medicinal Plant research group funded by the deanship of scientific research** (DSR) in King Abdulaziz University
5. **Targeting Vascular Endothelial Dysfunction in Diabetes by Active Constituents from Saudi Plants** (King Abdulaziz city for science and technology (KACST), 2013)
6. **Development of novel therapeutics through natural product libraries targeting truncated Adenomatous Polyposis Coli (APC) as a new prevention and intervention strategy for cancer treatment** (King Abdulaziz city for science and technology (KACST), (2014)
7. **Exploring the Egyptian natural resources for conventional and unconventional antimicrobial agents using in-silico, chemical and biological screening, STDF NEWTON MUSHARAF fund, as COI**

8. **Deploying Nutritional Immunity via Chemical and Natural Compounds to Fight *Acinetobacter baumannii* Infections Associated with Obesity and Hyperlipidemia. IRG 3rd cycle, COI.**

Conferences

1. The 53th annual meeting of the pharmacognosy society of Japan, Saitama, Japan.2006, Oral presentation “**New phenolic constituents of *Cassia tora* seeds and estrogenic activity of some naphthalenes and anthraquinones on ER α and ER β .**”
2. The 54th annual meeting of the Pharmacognosy Society of Japan, Nagoya, Japan. 2007, Poster presentation “**Antiestrogenic mansorins and mansonones from *Mansonia gagei*.Drumm.**”
3. The 54th annual meeting of the Pharmacognosy Society of Japan, Nagoya, Japan. 2007, **HCV protease inhibitory effects of the leaves of *Phaleria nisidai*, a Palauan folk medicine.**
4. The 54th annual meeting of the Pharmacognosy Society of Japan, Nagoya, Japan. 2007, **Anti-HIV lanostane triterpenes from the Vietnamese mushroom *Ganoderma colossum* (Fr). C. F. Baker.**
5. The 7th international Symposium on Natural Medicine and Microflora (2008) (ISNMM) As an **Invited Lecturer** (title: **Estrogenic activity of some naturally occurring phenolics**)
Two poster presentations “*Mechanism based inhibition of anti-HIV-1 protease compounds isolated from the Vietnamese mushroom Ganoderma colossum*” & “*Estrogenic activity of hydroxyphenyl alkanes and diarylheptanoids from Aframomum melegueta*”
6. The 50th annual meeting of the American Society of Pharmacognosy june27th~july^{1st} 2009. Poster presentation “**A new benzophenone rhamnoside from *Phaleria nisidai* with estrogenic activity**”
7. The 56th annual meeting of the Japanese Society of Pharmacognosy (Kyoto, 2009). Poster presentation “**Design and semisynthesis of HCV NS3/4A protease inhibitors based on Antrodin B nucleus**”.
8. The 1st International Symposium on Functional Foods and Natureceuticals (2010), Toyama, Japan. Poster presentation “**Design and semisynthesis of alpha- keto-amides HCV NS3/4A protease inhibitors based on Antrodin B nucleus**”

9. **3rd Scientific Conference of Faculty of Pharmacy Cairo University about "Good Pharmacy Practice". (2012)** (poster presentation) “A comparative botanical study and phytochemical screening of walnut and four different cultivars of pecan belonging to family Juglandaceae”
10. **3rd world congress on cancer science and therapy, USA, (2013).** Cytotoxic activity of acyl phloroglucinols isolated from the juvenile leaves of *Eucalyptus cinerea* F. Muell. ex Benth. cultivated in Egypt.
11. **International Conference of antibiotic research, October (2014),** “Anti-tuberculous activity of treponemycin produced by *Streptomyces* strain MS-6-6 isolated from Saudi Arabia” **Madrid/ Spain.**
12. **International Conference on the Marine Environment of the Red Sea 10 – 13 November, (2014).** *Bioactive metabolites from the Egyptian Red Sea fungi with potential anti-HCV protease effect.*
13. **The 5th International Conference on Natural Products for Health and Beauty (NATPRO 5), 6-8 May 2014.** *Comparative fibrinolytic activities of Nattokinases from Bacillus subtilis var. natto.*
14. **25th European Meeting on Hypertension and Cardiovascular Protection Milan, June 1215, 2015.** *Psiadia punctulata and Garcinia mangostana have potent vasorelaxant activity on isolated rat aorta.*
15. **American association of cancer research, AACR, 2015.** *Chemotherapeutic and chemomodulatory effects of naturally occurring O-naphthoquinone and related coumarins against solid tumor cells in-vitro*
16. **American association of cancer research, AACR, 2016.** *Colosolactone-G enhances the anticancer properties of 5-fluorouracil and gemcitabine against colorectal cancer cells.* Rinad A Aljohani, Gehan A Hegazy, Aliaa A Alamoudi, Ali M El-Halawany, Riham S Eldine, Ghada Agabnoor, Ahmed M Al-Abd
17. **American association of cancer research, AACR, 2016. LB-073: Mansonone-G is more potent antiproliferative against liver cancer cells than its coumarin derivative (mansorin-A) despite their antagonistic interaction with 5 ...** Hanadi G Aljohani, Gehan A Hegazy, Aliaa A Alamoudi, Ghada M Agabnoor, Ali M El-Halawany, Ahmed M Al-Abd.
18. **American association of cancer research, AACR, 2017.** *Rubrofusarin and toralactone sensitize resistant MCF-7^{adr} cell line to paclitaxel via inhibiting P-*

glycoprotein efflux activity. Salwa D Alqahtani, Hanan A Assiri, Fahad A Al-Abbasi, Ali M El-Halawany, Ahmed M Al-Abd.

19. **American association of cancer research, AACR, 2017**. Chemotherapeutic effects of naturally occurring *colossolactones* against solid tumor cells in-vitro. Mohammed A Baghdadi, Fahad A Al-Abbasi, Ali M El-Halawany, Ahmed M Al-Abd
20. **American association of cancer research, AACR, 2016**. Chemotherapeutic and chemomodulatory effects of naturally occurring tetrahydrofuran type terpenoid. Eman M Atiya, Fahad A Al-Abbasi, Mohamed-Elamir F Hegazy, Ali M El-Halawany, Ahmed M Al-Abd
21. **American association of cancer research, AACR, 2016**. Gingerol, paradol and shogaol overcome colorectal cancer cell resistance to sorafenib via enhancing its cellular uptake, entrapment and intracellular metabolism. MG Mehanna, FA Al-Abbasi, T Elawady, AM El-Halawany, AM Al-Abd
22. **American association of cancer research, AACR, 2015**. Chemotherapeutic, chemomodulatory and vascular protective effects of naturally occurring hydroxyphenylalkanes and diarylheptanoids. MA Baghdadi, EA Al-Ghamdi, AJ Alamoudi, FA Al-Abbasi, Ali El Halawany, Ahmed AlABd.
23. **American association of cancer research, AACR, 2015**. Isolation and anticancer properties of some naturally occurring sesquiterpene lactones from *Pulicaria undulate*. MM Arab, FA Al-Abbasi, MEF Hegazy, AM El-Halawany, AM Al-Abd

Publications: (Hindex=19)

1. Anti-adhesive activity of *Aframomum melegueta* major phenolics on lower respiratory tract pathogens. El Dine, Riham Salah; Elfaky, Mahmoud A; Asfour, Hany; **El Halawany, Ali M**. **Natural product research (2021);35:**
2. Genetic diversity, LC-ESI-MS chemical profile and in vivo antitumor activity of three Egyptian soybean cultivars. Abdel-Sattar, Essam; Abdel-Monem, Azza Ramy; Hegazy, Mohamed Elamir F; **El-Halawany, Ali M**; Afifi, Sherif Mahmoud. **Natural product research (2021);35:135-139**
3. Protective effect of 6-paradol in acetic acid induced ulcerative colitis in rats Misbahuddin Rafeeq, Hussam Aly Sayed Murad, Hossam Mohammed

- Abdallah and **Ali M. El-Halawany**. BMC complementary medicines and therapies; (20121);21:28.
4. Natural Peroxisome Proliferator-Activated Receptor γ (PPAR γ) Activators for Diabetes. Abdallah, HM; El Dine, RS; Mohamed, GA; Ibrahim, SRM; Shehata, IA; **El-Halawany, AM**. **Alternative therapies in health and medicine**, (2020); 26:28-44.
 5. 6-Shogaol suppresses the growth of breast cancer cells by inducing apoptosis and suppressing autophagy via targeting notch signaling pathway. Azizah S Bawadood, Fahad A Al-Abbasi, Firoz Anwar, **Ali M El-Halawany**, Ahmed M Al-Abd. Biomedicine and pharmacotherapy, 128: 2020.
 6. The protective effect of Sophora japonica on prostatic hypertrophy and inflammation in rat. Ahmed Elberry, Shagufta Mufti, Jaudah Al-Maghrabi, Salah Ghareib, Hisham Mosli, **Ali El-Halawany**, Essam Abdel-Sattar. Inflammopharmacology, 2020.
 7. Nutritional Evaluation, Chemical Investigation of Phenolic Content and Antioxidant Activity of *Ferocactus Glaucescens* Ripe Fruits. Seham S. El-Hawary; Rana M. Ibrahim ; Ahmed R. Hamed; **Ali M. El-Halawany**. Egyptian Journal of Chemistry 63 (7) 2020.
 8. **Bioassay Guided Isolation and Docking Studies of a Potential β -Lactamase Inhibitor from Clutia myricoides**. Molecules, 25; 11, 2020.
 9. Preparation of Lignan-Rich Extract from the Aerial Parts of Phyllanthus niruri Using Nonconventional Methods. Meselhy R Meselhy, Ola E Abdel-Sattar, Sahar El-Mekkawy, Ahmed M EL-Desoky, Shanaz O Mohamed, Sobhy M Mohsen, Essam Abdel-Sattar, **Ali El-Halawany**. **Molecules** (2020)
 10. Major flavonoids from Psidia punctulata produce vasodilation via activation of endothelial dependent NO signaling. Hossam M Abdallah, Noura A Hassan, **Ali M El-Halawany**, Gamal A Mohamed, Martin K Safo, Hany M El-Bassossy. **Journal of advanced research**; (2020).

11. New pregnane glycosides from *Caralluma hexagona* Lavranos and their in vitro α -glucosidase and pancreatic lipase inhibitory effects. Akram A Shalabi, **Ali M El Halawany**, Mouchira A Choucry, Fatma S El-Sakhawy, Hiroyuki Morita, Dae-Won Ki, Essam Abdel-Sattar. **Phytochemistry letters**; (36); 49-57. (2020)

12. *Psiadia punctulata* major flavonoids alleviate exaggerated vasoconstriction produced by advanced glycation end products. Abdallah, Hossam M; Zakaria, Esraa M; **El-Halawany, Ali M**; Mohamed, Gamal A; Safo, Martin K; El-Bassossy, Hany M; **Plos one** e0222101 (2019)

13. In vitro cytotoxic activity of three egyptian soybean cultivars. Essam Abdel-sattar, **Ali M. El Halawany**, Azza Ramy Abdel Monem, Sherif Mahmoud Afifi. International Research Journal of Pharmacy 9(12):43-46

14. Furanoeremophilanes from *Euryops arabicus* alleviate metabolic syndrome-associated exaggerated vasoconstriction via direct vasodilatation. Abdallah, Hossam M; **El-Halawany, Ali M**; El-Bassossy, Hany M. **Phytochem. Let.** 2019

15. Investigation of In-Vitro Antioxidant and Electrochemical Activities of Isolated Compounds from *Salvia chamelaeagnea* PJ Bergius Extract. Etsassala, Ninon GER; Adeloje, Adewale O; **El-Halawany, Ali**; Hussein, Ahmed A; Iwuoha, Emmanuel I. **Antioxidants** 98; 4-8. (2019)

16. Cytotoxicity of abietane diterpenoids from *Salvia multicaulis* towards multidrug-resistant cancer cells. Mohamed-Elamir F Hegazy, Ahmed R Hamed, **Ali M El-Halawany**, Taha A Hussien, Sara Abdelfatah, Shinji Ohta, Paul W Paré, Essam Abdel-Sattar, Thomas Efferth. **Fitoterapia**, 130, 54-60 (2018).

17. Phenolics from *Barleria cristata* var. Alba as carcinogenesis blockers against menadione cytotoxicity through induction and protection of quinone reductase. **Ali M El-Halawany**, Hossam M Abdallah, Ahmed R Hamed, Hany Ezzat Khalil, Ameen M Almohammadi. **BMC complementary and alternative medicine**. (2018)

18. Anticancer Profiling for Coumarins and Related O-Naphthoquinones from *Mansonia gagei* against Solid Tumor Cells In Vitro. Mohammed A Baghdadi, Fahad A Al-Abbasi, **Ali M El-Halawany**, Ali H Aseeri, Ahmed M Al-Abd. **Molecules** (2018)
19. Garcixanthonones B and C, new xanthonones from the pericarps of *Garcinia mangostana* and their cytotoxic activity. Sabrin RM Ibrahim, Hossam M Abdallah, **Ali M El-Halawany**, Mohammed F Radwan, Ibrahim A Shehata, Essam M Al-Harshany, Mohamed F Zayed, Gamal A Mohamed. (2018)
20. Mangostanaxanthone VIII, a new xanthone from *Garcinia mangostana* and its cytotoxic activity. Sabrin RM Ibrahim, Hossam M Abdallah, **Ali M El-Halawany**, Alaa M Nafady, Gamal A Mohame. (2018)
21. Cytotoxic constituents from *Vicia monantha* subsp. *monantha* seeds. **Ali M El-Halawany**, Samir M Osman, Hossam M Abdallah. **Nat. Prod. Res.** (2018)
22. Rutin Isolated from *Chrozophora tinctoria* Enhances Bone Cell Proliferation and Ossification Markers. Ashraf B Abdel-Naim, Abdullah A Alghamdi, Mardi M Algandaby, Fahad A Al-Abbasi, Ahmed .M Al-Abd, Basma G Eid, Hossam M Abdallah, **Ali M El-Halawany**
23. Saudi plants as a source of potential β -lactamase inhibitors. Hossam M Abdallah, Hani Z Asfour, **Ali M El-Halawany**, Mahmoud A Elfaky.
24. Thiotagetin B and tagetannins A and B, new acetylenic thiophene and digalloyl glucose derivatives from *Tagetes minuta* and evaluation of their in vitro antioxidative...Sabrin RM Ibrahim, Hossam M Abdallah, **Ali M El-Halawany**, Ahmed Esmat, Gamal A Mohamed.
25. Phenolics isolated from *Aframomum melegueta* enhance proliferation and ossification markers in bone ce.lls. AB Abdelnaim, AA Algandabi, AM Al Abd and **Ali M. El Halawany**. **Molecules** 22(9), 1467, 2017.
26. HPLC-ESI-MS/MS characterization of phenolics in *Prunus amygdalus*, cultivar "umm alfahm" and its antioxidant and hepatoprotective activity. **J Food Measur. and Charcter.** 1-12, 2017.
27. Protective effect of gingerol on streptozotocin-induced sporadic Alzheimer's disease: emphasis on inhibition of B-amyloid, COX-2, alpha-, beta-secretases and APH. **El Halawany Ali M.**, El Sayed Nesrine, Abdallah HM, El Dine RS. **Sci Rep.** 7, 2017.

28. New xanthenes and cytotoxic constituents from *Garcinia mangostana* fruit hulls against human hepatocellular, breast, and colorectal cancer cell lines. Gamal A Mohamed, Ahmed M Al-Abd, **Ali M El-halawany**, Hossam M Abdallah, Sabrin RM Ibrahim. *J Ethnopharmacology*, (2017): 302-312
29. Mangostanaxanthenes III and IV: advanced glycation end-product inhibitors from the pericarp of *Garcinia mangostana*. Hossam M Abdallah, Hany M El-Bassossy, Gamal A Mohamed, **Ali M El-Halawany**, Khalid Z Alshali, Zainy M Banjar. *J Nat. Med.* (2017): 216-226.
30. Phenolics from *Garcinia mangostana* alleviate exaggerated vasoconstriction in metabolic syndrome through direct vasodilatation and nitric oxide generation. Hossam M Abdallah, Hany M El-Bassossy, Gamal A Mohamed, **Ali M El-halawany**, Khalid Z Alshali, Zainy M Banjar. *BMC Complementary and Alternative Medicine*. 16;1; 359 (2016).
31. Antiproliferative Scalarane-Based Metabolites from the Red Sea Sponge *Hyrtios erectus*. Sameh S Elhady, Ahmed M Al-Abd, **Ali M El-Halawany**, Abdulrahman M Alahdal, Hashim A Hassanean, Safwat A Ahmed. *Marine drugs*. 14;7; 130; (2016)
32. Gingerol Synergizes the Cytotoxic Effects of Doxorubicin against Liver Cancer Cells and Protects from Its Vascular Toxicity. Fahad A Al-Abbasi, Eman A Alghamdi, Mohammed A Baghdadi, Abdulmohsin J Alamoudi, **Ali M El-Halawany**, Hany M El-Bassossy, Ali H Aseeri, Ahmed M Al-Abd. *Molecules*, 21-7;2016.
33. Mangostanaxanthenes III and IV: advanced glycation end-product inhibitors from the pericarp of *Garcinia mangostana*. Hossam M Abdallah, Hany M El-Bassossy, Gamal A Mohamed, **Ali M El-Halawany**, Khalid Z Alshali, Zainy M Banjar. *J Natural Medicines* (2016)
34. Phenolics from *Garcinia mangostana* Inhibit Advanced Glycation Endproducts Formation: Effect on Amadori Products, Cross-Linked Structures and Protein Thiols. Abdallah, hossam m.; El-Bassossy, h; Mohamed, GA; **El-Halawany, Ali M.**; Alshali, Khalid Z.; Banjar, Zainy M. *Molecules*. 21(2): 251-251: 2016

35. Bioactive Metabolites from the Egyptian Red Sea Fungi with Potential Anti-HCV Protease Effect. Hawas, U.W. Ahmed, E.F., **El-Halawany, A.**, Atif, A., Ahmed, W., El-Kassem, L.T.A. ***Chemistry of Natural Compounds***, 16 January 2016, Pages 1-7
36. A New Bioactive Metabolite Isolated from the Red Sea Marine Sponge *Hyrtios erectus*, Elhady, Sameh S., **El-Halawany Ali M.**, Alahdal Abdulrahman M., Hassanean Hashim A., and Ahmed Safwat A. , ***Molecules***, Volume 21, Number 1, p.82, (2016)
37. Gingerol protects against experimental liver fibrosis in rats via suppression of pro-inflammatory and profibrogenic mediators. Algandaby, Mardi M., **El-Halawany Ali M.**, Abdallah Hossam M., Alahdal Abdulrahman M., Nagy Ayman A., Ashour Osama M., and Abdel-Naim Ashraf B. , ***Naunyn-Schmiedeberg's archives of pharmacology***, 2016 Jan 26, (2016)
38. S. Ali, A. R. Hamed, M. M. Soltan, **A. M. El-Halawany**, U. M. Hegazy and A. A. Hussein. Kinetics and Molecular Docking of Vasicine from *Adhatoda vasica*: an Acetylcholinesterase Inhibitor for Alzheimer's Disease. ***South African journal of botany***. (2016, in press).
39. N. M. Ammar, S. S. El-Hawarry, D. A. Mohamed, **A. M. El-Halawany**, A. A. El-Ansary, L. T. Aboul Kasim, R. A. Hussein, G. A. Abdel Jaleel⁵ and A. H. El-Dosoky. Estrogenic Activity Including Bone Enhancement and Effect on Lipid Profile of Luteolin-7-Oglucoside Isolated from *Trifolium alexandrinum* L. in Ovariectomized Rats. ***Phytotherapy res.*** (2016, in press)
40. MF Hegazy, Abeer Y Ibrahim, Tarik A Mohamed, Abdelaaty A Shahat, **Ali M El Halawany**, Nahla S Abdel-Azim, Mansour S Alsaid, Paul W Paré. Sesquiterpene Lactones from *Cynara cornigera*: Acetyl Cholinesterase Inhibition and In Silico Ligand Docking. ***Planta medica***, Volume 82, Number 1-02, p.138–146, (2016)
41. Seham S El Hawary, Soumaya Saad, **Ali Mahmoud El Halawany**, Zeinab Y Ali, Mahitab El Bishbishy. Phenolic content and anti-hyperglycemic activity of pecan cultivars from Egypt. ***Pharmaceutical Biology***, (2016,54(5); 788-798)
42. Sabrin RM Ibrahim, Hossam M Abdallah, **Ali M El-Halawany**, Gamal A Mohamed. Naturally occurring thiophenes: isolation, purification,

- structural elucidation, and evaluation of bioactivities. *Phytochemistry Reviews* (2016).
43. Mahmoud A Yassien, Hossam M Abdallah, **Ali M El-Halawany**, Asif AM Jiman-Fatani. Anti-Tuberculous Activity of Treponemycin Produced by a Streptomyces Strain MS-6-6 Isolated from Saudi Arabia. *Molecules*, 2015, 2576-2590.
 44. Rana M Ibrahim, **Ali M El-Halawany**, Dalia O Saleh, Abd El-Rahman O El-Shabrawy, Seham S El-Hawary. HPLC-DAD-MS/MS profiling of phenolics from *Securigera securidaca* flowers and its anti-hyperglycemic and anti-hyperlipidemic activities. *Revista Brasileira de Farmacognosia*; 2015, 25; 134–141.
 45. Amira Abdel Motaal, Inas Fahmy, **Ali El-Halawany**, Nahed Ibrahim. Comparative fibrinolytic activities of Nattokinases from *Bacillus subtilis* var. natto. *Pharm. Sci. & Res.* Vol. 7(2), 2015, 63-66.
 46. Hossam M. Abdallah, Ahmed M. Al-Abd, Riham Salah El-Dine, **Ali M. El-Halawany**. P-glycoprotein inhibitors of natural origin as potential tumor chemo -sensitizers: A review. *Journal of Advanced Research*, 6, 2015, 45–62.
 47. Seham S. El Hawary, Nadia M Sokkar, **Ali M. El Halawany**, Zeinab A. Kandil, Sahar A. Tawab, Helmi A. Mokbel. Phytochemical Screening, Botanical Study And DNA Fingerprinting Of *Prunus Amygdalus* Batsch “Umm Alfahm” Cultivar Cultivated In Egypt. *International Journal of Pharmacy and Pharmaceutical Sciences*, (12/2014).
 48. **El-Halawany, A.M.**, El Dine, R.S., El Sayed, N.S. & Hattori, M. Protective Effect of *Aframomum melegueta* phenolics Against CCl₄-Induced Rat Hepatocytes Damage; Role of Apoptosis and Pro-inflammatory Cytokines inhibition. *Sci.Rep.* 4, 5880; DOI:10.1038/srep05880 (2014).
 49. Fathy M Soliman, Magda M Fathy, Maha M Salama, Ahmed M Al-Abd, Fatema R Saber, **Ali M El-Halawany**. Cytotoxic activity of acyl phloroglucinols isolated from the leaves of *Eucalyptus cinerea* F. Muell. ex Benth. cultivated in Egypt. *Scientific Reports* (2014) 4, Article number: 5410; doi:10.1038/srep05410
 50. Riham Salah El Dine, Qiong Ma, Zeinab A. Kandil & **Ali M. El-Halawany***. Triterpenes as uncompetitive inhibitors of α -glucosidase from flowers

- of *Punica granatum* L. **Natural Products Research**. (2014)
DOI:10.1080/ 14786419.2014.928292
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Book chapters

1. Role Phytochemicals Play in the Activation of Antioxidant Response Elements (AREs) and Phase II Enzymes and Their Relation to Cancer Progression and Prevention. Shahira M Ezzat, **Ali M El-Halawany**, Ahmed R Hamed, Essam Abdel-Sattar. **Studies in Natural Products Chemistry**. 2018/1/1
2. **Chemo-sensitizing agents from natural origin for colorectal cancer: pharmacodynamic and cellular pharmacokinetics approaches**. Rasha M. Allam, Ali M. El-Halawany, and Ahmed M. Al-Abd. (2020)

Patents

- 1- **Compounds from *Antrodia cinnamomea* and Use Thereof**. Masao Hattori, **Ali M. El-Halawany**, Megumi Mizuno, Chia-Chin Sheu. US Patent (US PATENT APP. US 20130225649 A1, AUG 29, 2013)
- 2- **Compounds from *Antrodia cinnamomea* and Use Thereof**. Masao Hattori, **Ali M. El-Halawany**, Megumi Mizuno, Chia-Chin Sheu. US Patent (US Patent App. US8703968 B2, Apr 22, 2014)
- 3- Hypericum revolutum extract as a vasodilator, Abdallah, Hossam M and Timraz, Noha Z and Ibrahim, Sabrin RM and El-Halawany, Ali and Shehata, Ibrahim A and Elbassossy, Hany M, {2020}, US Patent 10,780,139.

