Prof. Essam Abdel-Sattar

Date and place of birth : Jan., 01, 1957, Aswan, Egypt.

Nationality : Egyptian

Marital status : Married with three children.

Present profession : Professor.

Address : Department of Pharmacognosy, Faculty of

Pharmacy, Cairo University, 11562 Cairo, Egypt.

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Web site : <http://scholar.cu.edu.eg/?q=abdelsattar/>

: <https://scholar.google.com.eg/citations?user=qlqel5YAAAAJ&hl=en>

**Education\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**2000 :** JSPS (Japan), post doctor fellowship, from April-2000 to October-2000, Institute of Natural Medicine, Toyama Medical and Pharmaceutical University, Sugitani, Toyama, Japan

**1991** : Ph.D. Pharm. Science (Pharmacognosy).admitted to a Channel Program for Ph. D., Institute fur Pharm. Biol. u Phytochem., Munster, Germany (1988-1990).

A Pharmacognostical Study of Certain Plants belonging to Genera *Ipomoea* and *Iochroma*

**Feb., 1985**: M. Pharm. Science (Pharmacognosy)

A Pharmaconostical Study of *Chrozophora plicata*

**May 1979**: B. Pharm. Science, v. good (honor) grade.

**Scopus**: *h*-Index 21, Citations 1486**; documents:** 124

**Google scholar**: H index 29, i10-index 72, citations 2620

**Researchgate**: Index: 37.49; citations: 2031

**<https://orcid.org/0000-0002-0617-1420>**

**Work Experiences\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

### 2020-till now : Consultant to “Research Ethics Committee” for clinical trials of Herbal Medicine. Ministry of Health.

### 2016-till now : Member of Toyama-Asia-Africa Pharmaceutical Network (TAA-PharmNet)” <http://www.pha.u-toyama.ac.jp/taa-pharmnet/en/outline/index.html>

### 2013-2017 : Director of Natural Products Research Center (NPRC), Faculty of Pharmacy, Cairo University.

### 2012-2017 : Professor and chairman of department of Pharmacognosy, Faculty of Pharmacy, Cairo University, Cairo.

**2012 till now :** Advisory board of Bulletin of Faculty of Pharmacy Cairo University (B-FOPCU)

**2015 till now:** Member ofPromotion Committee for professor and associate professor, NODCAR

**2013-2016 :** Vice director of Promotion Committee, Pharmacy, for Pharmacognosy

**2003- 20**12 **:** Professor**,** Department of Natural products and Alternative Medicine, College of Pharmacy, King Abdulaziz University, Jeddah, Saudi Arabia.

### 2002-2003 :Professor, Pharmacognosy Department, College of Pharmacy, Cairo University, Cairo.

**2000-2003 :** Consultant at R & D department in Sekem Herbal Company

**1997-2002 :** Associate professor, Pharmacognosy Department, College of Pharmacy, Cairo University, Cairo.

**1991-1997** : Researcher of Pharmacognosy, Pharmacognosy Department, College of Pharmacy, King Saud University, Saudi Arabia.

**1985-1991** : Assistant lecturer of Pharmacognosy, Pharmacognosy Department, College of Pharmacy, Cairo University, Cairo.

**1979-1985** : Instructor of Pharmacognosy, Pharmacognosy Department, College of Pharmacy, Cairo, University, Cairo.

**Editorial board\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Bulletin of Faculty of Pharmacy Cairo University (B-FOPCU)

## Alternative, Complementary and Integrative Medicine Journal

**Journals’ Reviewer \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Acta Tropica; African Journal of Pharmacy and Pharmacology; Journal of Ethnopharmacology; Evidence-Based Complementary and Alternative Medicine; Journal of Food Measurement and Characterization; International Journal of Food Sciences & Nutrition; J Functional foods; Molecules; Natural Products Research; Pharmacutical Biology; Journal of Biophysics and Structural Biology

**Projects’ Reviewer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Academy for Scientific Research and Technology (ASRT), Britch University in Egypt, Beni Soief University; Mansoura University; South Valley University; Interdisciplinary Research grant (FOPCU); Science & Technology Development (STDF); King Abdulaziz City for Science and Technology (KACST); King Saud University (Deanship for Scientific Research); King Abdulazizi University (Deanship for Scientific Research).

**Scientific Awards\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Cairo University: International Publication Awards: rears 2012-2019.

King Abdulaziz University International Publication Awards: 2005-2011.

**Teaching Activities\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Teaching the following courses:

**Faculty of Pharmacy, Cairo University:**

* Natural products chemistry (Viz. volatile oil, Alkaloids, glycosides, carbohydrates), Chromatography, Pharmacognosy (micro and macromorphology).
* Spectral analysis for postgraduate students.

**Private Universities in Egypt**

**1998-1999**: **Faculty of Pharmacy, Misr for Science and Technology University**: Chromatography

**1999-2003**: **Faculty of Pharmacy, 6th October University**: Phytochemistery I, II and III.

**2015 till 2017:** **Faculty of Pharmacy and Biotechnology, German University in Cairo (GUC)**: Phytochemistry and Pharmacognosy -II

**King Saud University, KSA**

**1985-1986**: Instructor of Phytochemistry l

**1991-1997**: lecturer of phytochemistry.

**King Abdulaziz University**, KSA

#### 2003-2011: Professor in Faculty of Pharmacy, Natural Product and Evidence Based Herbal Medicine-I and II.

**Languages \_**

Arabic: Mother tongue

English: Very good.

German: fair

#### Research of interests \_

###### Isolation, purification and identification of different natural compounds from their natural sources.

###### Structural elucidation of natural products (MS, 1D and 2D NMR)

###### Search for Biologically active natural products through biologically guided fractionation

###### Quality control of herbal drugs.

**Granted projects in Egypt (8 projects, 2003, 2011-2020)**

1. **Integrated Pharmaceutical Alliance**. Funded by Academy of Scientific Research and Technology (**PI,** **ASRT, 2017, ongoing, Egypt**), KTA-C2-2.10, 9,989,910.00 LE
2. Biodiesel production from algae as a renewable energy source in Egypt. Research, Development & Innovation Programme (RDI2/S1/299). (**CO-PI, 2014**, **Egypt**).
3. Ultrasonic extraction with instantaneous spray drying-Innovation in Egyptian rice bran formulation. Research, Development &Innovation Program (RDI 2/S2/26). (**CO-PI, 2014, Egypt**).
4. High value Pharmaceutical Raw Material from Food Processing Waste”. Ministry of Scientific Research, Science & Technology Development Fund, **STDF:NRG 5730 (CO-PI, 2014, Egypt).**
5. “Innovative Green Extraction Technology for Medicinal Plants”. Ministry of Scientific Research, Science& Technology Development Fund, **STDF-NRG 5767 (CO-PI, 2014,Egypt).**
6. Reuse of food by-products in the development of Nutraceuticals to combat cancer and to modulate the oxidative stress. Agence universitaire de la Francophonie (AUF, France). **(PI: 2012, AUF, France).**
7. Development of Flax seeds Lignans as nutraceutical in prevention and treatment of cancers (**Deanship of Scientific research, Cairo University, Cairo 2011,** **(CO-PI, Cairo University, Egypt**).
8. Study of Hypocholesterolemic and Antiatherosclerotic Properties of *Medicago sativa* l. Cultivated in Egypt, Cairo, Egypt (**PI**, **2003, Egypt**).

**Granted projects in Kingdom of Saudi Arabia (17 projects, 2003-2011)**

1. Targeting Vascular Endothelial Dysfunction in Diabetes by Active Constituents from Saudi Plants, funded by KACST, Saudi Arabia, **(KAU 2014, Consultant, Saudi Arabia)**.
2. "Studies on the anticancer and antimicrobial activity of locally isolated *Streptomyces* from West Area of Saudi Arabia". (Deanship of Scientific research, King Abdulaziz University, Jeddah, Funded by Deanship of Scientific research, **(Consultant, KAU, 2013, Saudi Arabia).**
3. Effect of different non-antimicrobial agents on the initial adherence of *E. coli* to the surface of prostate cell culture (Deanship of Scientific research, King Abdulaziz University, Jeddah, Funded by Deanship of Scientific research, **(CO-PI, KAU, 2011, Saudi Arabia).**
4. Anti-oxidant and cytotoxic compounds from Launaea spinosa. (**SDR, KAU,** **CO-PI, KAU, 2013, Saudi Arabia).**
5. Modulatory effects of some Saudi medicinal plants on reproductive dysfunction induced by polychlorinated biphenyl (Aroclor 1260) in male rats. **(CO-I, KAU 2012, Saudi Arabia).**
6. Chemical and Biological Evaluation of *Viscum schimperi* (Saudi mistletoe) growing in Saudi Arabia. (Deanship of Scientific research, KingAbdulazizUniversity, Jeddah, Funded by Deanship of Scientific research, **(CO-PI, KAU).**
7. Screening of Saudi Arabian plants for anti-inflammatory activity, Jeddah, Saudi Arabia, Funded by Deanship of Scientific research **(CO-PI, KAU 2011, Saudi Arabia)**.
8. Preparation of standardized olive leaf extract using wild olive species growing in Kingdom of Saudi Arabia: Chemical and biological standardization, Jeddah, Saudi Arabia, Funded by Deanship of Scientific research **(PI, KAU 2011, Saudi Arabia)**.
9. Chemical and biological evaluation of *Caralluma tuberculata* growing in Saudi Arabia, Jeddah, Saudi Arabia, Funded by Deanship of Scientific research (**PI, KAU 2011, Saudi Arabia**).
10. Assessment of some plants and natural products used to treat cancer in folk medicine in Saudi Arabia, Jeddah, Saudi Arabia, Funded by **KACST** (**CO-PI, KACST, 2010, Saudi Arabia**).
11. Evaluation of the potential cardioprotective activity of some Saudi plants against doxorubicin toxicity, Jeddah, Saudi Arabia, Funded by Deanship of Scientific research (**CO-PI, KAU, 2009, Saudi Arabia**).
12. Screening for antimicrobial, antioxidant and anti-inflammatory activities of some medicinal plants of Almadinah Almunawarh, University of Taibah, Funded by Deanship of Scientific research **(CO-PI, Taibah University, 2009, Saudi Arabia).**
13. Mohamed H. Fetahi’ scientific chair in: **Prostate Research**, Jeddah, Saudi Arabia, Funded by Fetahi group (**CO-PI, KAU, 2009, Saudi Arabia**).
14. El-Zamel's scientific chair in: **Cancer Research**, Jeddah, Saudi Arabia, Funded by El-Zamel's group (**CO-PI**, **KAU, 2008, Saudi Arabia**).
15. Nanoparticles in Camel Urine Can Attack Cancer Cells, Jeddah, Saudi Arabia , Funded by **KACST** (**CO-PI**, **2007-2008, KACST, Saudi Arabia**)**.**
16. Biological Screening of Some Plants Growing in the Western Region of the Kingdom of Saudi Arabia for their Antidiabetic and Antihepatotoxic activity, Jeddah, Saudi Arabia, Funded by Deanship of Scientific research (**CO-PI**, **2007-2008, KAU, Saudi Arabia**).
17. Biological Screening of Some Plants Collected from Saudi Arabia (antimalarial, antitrypanosomal, antiviral and antihelicobacter), Jeddah, Saudi Arabia. Funded by Deanship of Scientific research (**PI**, **2006-2007, KAU, Saudi Arabia**).

**Books and Book chapters \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* **Essam Abdel-Sattar**\*, Soheir M. El Zalabani and Maha M. Salama,2014. Herbal and Microbial Products for the Management of Obesity. In:Atta-ur-Rahman and M. Iqbal Choudhary (Eds.). *Anti-Obesity Drug Discovery and Development,* Bentham science Publishers Ltd Vol. 2.
* **DOI:** **10.2174/9781608059140114020005**
* **Essam Abdel-Sattar\***, Soheir M. El Zalabani and Manal Sabry, 2017. The Role of Dietary Supplements in Cardiovascular Diseases. In: Goutam Brahmachari (Ed.), Cardioprotective Natural Products: Promises and Hopes. World Scientific, Singapore.
* [**Doi.org/10.1142/9789813231160\_0006**](https://doi.org/10.1142/9789813231160_0006)
* Ezzat, S. M., El-Halawany, A. M., Hamed, A. R., & **Abdel-Sattar, E**. (2018). Role Phytochemicals Play in the Activation of Antioxidant Response Elements (AREs) and Phase II Enzymes and Their Relation to Cancer Progression and Prevention. In: Atta-ur-Rahman (Ed.), *Studies in Natural Products Chemistry*: Chapter 9, Vol. 60, pp. 345-369). FRS Elsevier Science Publishers, The Netherlands. [**Doi.org/10.1016/B978-0-444-64181-6.00009-7**](https://doi.org/10.1016/B978-0-444-64181-6.00009-7)
* **Essam Abdel-Sattar** (2020). 36. Cucurbitaceae. In: Abdel-Fattah Rizk (Ed.). Phytochemistry of the Flora of Egypt. Dar El Kotoub, Cairo, Egypt.
* *Shahira M. Ezzat, Riham Adel and* ***Essam Abdel-Sattar\*****(2020) Pumpkin Bio-Wastes as Source of Functional Ingredients. In:* Mediterranean Fruits Bio-wastes, Eds: Ramadan, MF; Farag, MA. Springer (submitted).
* Reham Hassan Mekky, **Essam Abdel-Sattar**, Antonio Segura-Carretero and María del Mar Contreras (2020). Phenolic Compounds from Sesame Cake and Antioxidant Activity: A New Insight for Agri-Food Residues’ Significance for Sustainable Development. In: María del Mar Contreras and Eulogio Castro (Eds.). Extraction Strategies to Recover Bioactive Compounds, Incorporation into Food and Health Benefits. MDPI. (<http://www.mdpi.com/books/pdfview/book/2301>).

**Conferences\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Essam Abdel-Sattar. **3st International Symposium on Toyama-Asia-Africa Pharmaceutical Network (TAA-Pharm Symposium),** September 10-12, 2018 **(Invited speaker**).
2. Essam Abdel-Sattar. **Toyama-Asia-Africa Pharmaceutical Network (TAA-Pharm) Joint Seminar on “Recent Advances in Drug Discovery and Biopharmaceutics”.** **Jan 22, 2018** (**Chairman**).
3. Essam Abdel-Sattar, Doaa Abdelhady, Emad Ghazi, Walied Abdo, Zizy Elbialy, Mustafa Shukry, Engi Mahrous. Modulating effects of *Calligonum comosum* extract against doxorubicin-induced renal and hepatotoxicity in rats. **30th International Symposium on the Chemistry of Natural Products and the 10th International Congress on Biodiversity (ISCNP30 & ICOB10), November 25th -29th 2018, Athens, Greece (Poster)**.
4. Nehad M.Salah, Engy A. Mahrous, Manal M. Shams, **Essam Abdel-Sattar**.Phytochemical investigation of *Limonium axillare* (Kuntze.) growing in Egypt, **The 9th International Scientific Conference Of Faculty of Pharmacy Cairo University, Cairo, 25-26 April, 2018** **(Poster)**.
5. Mareena Thabet, Dina Elnaggar, Engy Mahrous, **EssamAbdel-Sattar**. A Comparative Study of the Anti-inflammatory Activity of Seeds and Sprouts from Three Egyptian Cultivars of *Vicia faba* L. **The International Scientific Conference of Faculty of Pharmacy, Egyptian Russian University, 28-29 April 2018 (Poster).**
6. Eman Mehanna, Sabah El-Ghaiesh, Hala Mohammad, Sawsan Zaitone, **Essam Abdelsattar**. Russelioside B, a pregnane glycoside reduces weight gain, improves insulin resistance and modulates expression of adiponectin and visfatin in rats fed with high fat diet. **International Conference on Science and Society, Phytomedicine and Biopiracy” ICSS-2017, 24-28 July, Mainz, Germany (Poster)**.
7. **Essam Abdelsattar. 29th International Symposium on the Chemistry of Natural Products and the 9th International Conference on Biodiversity which will be held in 24–27 September 2016. in Kaya Thermal Hotel and Convention Hotel, İzmir-Turkey (Poster)**.
8. **Essam, Abdel-Sattar**. The role of natural products in cardiovascular diseases. **In: 3rd Annual Cardiology Conference of Suez Canal Authority. Cairo, April 27-29, 2016** (**Key Note Speaker)**.
9. Reham Hassan Mekky, Mohamed Roshdi El-Gindi, Azza R. Abdel-Monem, María del Mar Contreras, Antonio Segura-Carretero, Mostafa R. Fayed and **Essam Abdel-Sattar**. Biological Assessment of Selected Egyptian Chick Pea Cultivars. **16th International Conference on Medical, Biological and Pharmaceutical Sciences. Bangkok, Thailand, Feb. 14, 2016** **(Poster)**.
10. Shohda EL-Maraghy, Reham Salah El-Dine, Sherine Rizk, **Essam Abdel-Sattar**. Russelioside B from *Caralluma quadrangula* Improved Hepatic Glucose Metabolism in Diabetic Rats. **IWPP - 2015, 2nd International Workshop on Pharmacology and Pharmacy. Istanbul, Turkey, July** **21-22, 2015** (**Oral presentation**).
11. Shahira Ezzat, Maha Salam, Engy Mahrous Louis Maes, Cheol-Ho Pan, **Essam Abdel-Sattar**. Antiprotozoal Activity of major constituents from the bioactive of *Verbesina encelioides*”. **The 4th Euro-Mediterranean Conference of Natural Products and Drug Discovery; Back to Mother Nature, Sharm- El Sheikh, 3-7 March 2015** **(Poster)**..
12. Tzanova T, Evain-Bana E, Salah El Dine R, Abou-Hussein D, Bagrel D, **Essam Abdel-Sattar**. Evaluation of antioxidant properties, cytotoxicity and CDC25 inhibitory potential of by-products of Olive and black seed extracts. **Workshop NutriOx 2014, Nutrition and Aging, Metz Technopôle, France, 1-3 October 2014.**
13. Hossam Abdallah, Mohamed Farag,Ashraf Abdel-Naim, Salah Gharib, **Essam** **Abdel-Sattar**. **2nd International Conference on Advances in Plant Sciences (ICAPS), 18-22 November 2014, Kuching, Sarawak, Malaysia (Poster)**.
14. **Essam Abdel-Sattar**, **Mohamed Farag, Engy Mahrous.** Chemical constituents from *Solanum glabratum* Dunal var. *sepicula*. **61st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), September 1 - 5, 2013 in Münster, Germany (Poster).**
15. Koshak A, Alfaleh A, **Essam Abdel-Sattar**, Koshak E. Medicinal Plants in the Holy Quran and their Therapeutic Benefits. **11th Annual Oxford International Conference on the Science of Botanicals (ICBS), Oxford, Mississippi, April 16-19, 2012 (Poster)**.**.**
16. Abdulaziz A. Alghaithy, Hesham A. El-Beshbishy, Ashraf B. Abdel-Naim, Ayman A. Nagy, **Essam Abdel-Sattar**. **Anti-inflammatory effects of the chloroform extract of *Pulicaria guestii* ameliorated the neutrophil infiltration and nitric oxide generation in rats. The 8th International Conference, Functional Foods for Chronic Diseases: Science and Practice,** [**University of Nevada,**](http://www.unlv.edu/) **Las Vegas, USA. March 15th-17th, 2011 (Poster).**
17. Khorshid F, Shaker A, Aboarik, **Essam Abdel-Sattar** and Fouad J. A new alterative medicine can cause selective cell death in cancer cells. **Medic Res, World Congress on “GOOD MEDICAL RESEARCH”, Holfburg Plalace, Vienna, Austria I June 6-9, 2012.**
18. **Essam Abdel-Sattar.** "Saudi plants, future for drug discovery", **20th International Symposium and Annual Meeting of the KSABC. Korea, ICC Jeju, 20-22 October,** **2011 (Invited speaker).**
19. ,**Essam Abdel-Sattar**. **CIPAM, 5th international congress of Medicinal and aromatic plants, Morocco, Fez, 14-16 October** **2010 (Invited speaker).**
20. Ahmed Elberry, Fathalla Harraz, Salah Ghareib, Ayman Nagy, Salah Gabr, **Essam Abdel-Sattar**\*. Antidiabetic and antidyslipidemic effects of the methanolic extract of *Viscum schimperi* Engl. growing in Saudi Arabia. 2nd Scientific Conference of Faculty of Pharmacy, Cairo University, Cairo, Egypt, April, 26th, **2010 (Poster).**
21. **Essam Abdel-Sattar**, Faten Khorshid, Abdel-Moneim Osman. Cytotoxic activity of Bioactive Fractions of PM 701. **The 4th International Conference of Pharmaceutical and Drug Industries Division, Cairo, Egypt, March** **2009 (Poster)**.
22. Sahar El-Mekkawy, **Essam Abdel-Sattar**, Masao Hattori, Takuya Kawahata,and Toru Otake. Screening of Egyptian Medicinal Plant Extracts for Anti-Human Immunodeficiency Virus Type-1 (HIV-1) Activity. **The 4th International Conference of Pharmaceutical and Drug Industries Division, NCR, Cairo, Egypt, March** **2009 (Poster)**.
23. Ahmed Elberry, Osama Ashour, **Essam Abdel-Sattar**, Ayman Nagy, Ahmed Mohamadin, Hisham Mosli, Ashraf Abdel-Naim. Cranberry (*Vaccinium macrocarpon*) Protects Against Doxorubicin-Induced Cardiotoxicity in Rats. **Euro-Med Symposium, Plant Natural Products from Biodiversity to Bioindustry (BioNat-1), NCR, Cairo, Egypt,8-10 Dec** **2009 (Poster)**.
24. **Essam Abdel-Sattar**, Louis Maes and Maha Salama. In vitro activities of plant extracts from the Kingdom of Saudi Arabia against malaria, leishmania and sleeping sickness and chagas disease. **Euro-Med Symposium, Plant Natural Products from Biodiversity to Bioindustry (BioNat-1), NCR, Cairo, Egypt, 8-10 December 2009 (Poster)**.
25. **Essam Abdel-Sattar**, Fathalla M. Harraz, Salah A. Ghareib, Ahmed A. Elberry. Hypoglycemic and hypolipidemic effects of the methanolic extract of *Caralluma tuberculata* in streptozotocin-induced diabetic rats. **Euro-Med Symposium, Plant Natural Products from Biodiversity to Bioindustry (BioNat-1), NCR, Cairo, Egypt,8-10 December** **2009 (Poster)**.
26. **Essam Abdel-Sattar**, Fathala Harraz, Soliman Mohammed Abdullah Al-ansari, Chikara Ichino, Hiroaki Kiyohara, Kazuhiko Otoguro, Satoshi Omura, Haruki Yamada. Antiplasmodial and Antitrypanosomal Activity of Medicinal Plants from Saudi Arabia. **1st Scientific Conference of Faculty of Pharmacy-CairoUniversity, March 29,** **2008 (Poster)**..
27. Fathalla harraz, **Essam Abdel-sattar**, Mansour Sulaiman and salah Gharieb Atteih. Antidiabetic activity of selected medicinal palnts from the western region of Saudi Arabia. **1st** **Euro-Mediterranean Conference on Marine Natural Products (EMCMNP-I), Sharm El Sheikh, Egypt, October 31st-November 4th,** **2008 (Poster)**.
28. **Essam Abdel-Sattar\***, Fathala Harrz, Sahar El-Mekkawy, Chikara Ichino, Hiroaki Kiyohara, Haruki Yamada, Kazuhiko Otoguro, Satoshi Omura. New acylated pregnane glycosides from *Caralluma tuberculata*. **The 7th InternationalSaudi Pharmaceutical Conference, Riyadh, 19-21 March** **2007 (Poster)**.
29. **Essam Abdel-Sattar\*** and Sahar El-Mekkawy. New Sulfide and Phthalic acid derivatives from *Ferula rutabensis.* **The 7th InternationalSaudi Pharmaceutical Conference, Riyadh, 19-21 March 2007 (Poster)**.
30. Fathalla Harraz, **Essam Abdel-Sattar**, Zohair Al-Marzouki and Mohamed Abdul-Rahim Shaheen. Determination of the hormonal composition (estrone) of the date pits of selected date palm cultivars growing in Saudi Arabia. **The 7th  International Saudi Pharmaceutical Conference, Riyadh, Saudi Arabia, 19-21 March** **2007 (Poster)**.
31. Fathalla Harraz, **Essam Abdel-Sattar\***, Sabah El Gayed. Screening for antimicrobial activity of some selected plants in Saudi Arabia, **The 7th  International Saudi Pharmaceutical Conference, Riyadh, Saudi Arabia, 19-21 March** **2007 (Poster)**.
32. Hiroaki Kiyohara，Aki Ishiyama，Chikara Ichino, Sachi Namatame，Aki Nishihara，Noppamas Soonthornchareonnon，Wongsatit Chuakul，**Essam Abdel-Sattar**，Fathala Harrz，Sahar El-Mekkawy，Kazuhiko Otoguro，Satoshi Omura，Haruki Yamada. Seeking of anti-African trypanosomiasis substances from plant origins. **The 54th Annual Meeting of the Japanese Society of Pharmacognosy, Nagoya, Japan, September 14-15**, **2007 (Poster)**.
33. Faten Khorshid, **Essam Abdel-Sattar**, Soad Sahker, Gehan Abdel-Raouf, Ahmed Shaker, Sawsan Rahim-Aldeen, Wadiah Baker, Nagwa El-Sawi, Huda Abu-Aurki. Nano-Particles in Camel Urine Can Attack Cancer Cells. “Nano Research at Universities: **The Road Toward Fulfilling the Vision of the Custodian of the Two Holy Mosques” – 1st workshop on Nanotechnology, 28-30 Oct 2007, King Saud University, Riyadh, King Saudi Arabia (Poster)**.
34. **Essam Abdel-Sattar**, Hesham El-Askary and Sahar El-Mekkawy. Iridoid, Phenylethanoid and Diterpene Glycosides from *Eremostachys Laciniata.* **The 28th International Annual Meeting of the Egyptian Pharmaceutical Society. XXX Conference of Egyptian Pharmaceutical Sciences. Cairo, Egypt, 19-21 December, 2006 (Poster)**.
35. Soheir El Zalabani, **Essam Abdel-Sattar**, Fify Fathy and Naglaa Shehab (**2002**). Investigation of *Cryptostegia grandiflora* Br. Cultivated in Egypt. **Par-II: Botanical Study of Different organs. The 28th International Annual Meeting of the Egyptian Pharmaceutical Society. (Poster)**.
36. Mahmoud Assaf and **Essam Abdel-Sattar**, “Phenolic constituents from *Pulicaria crispa* and their Anti-HIV activity”. **International Congress and 49th Annual Meeting of the Society for Medicinal Plant Research”. September 2-6, 2001 Erlangen, Germany** **(Poster)**.
37. **Essam Abdel-Sattar**\*, M. A. Kohiel, I. A. Shehata, O.A. Rashwan and Hesham I. E.-A. Phenolic Constituents of *Gymnarrhena micrantha* Desf. (2000). **5th Scientific Conference of National Organization for Drug Control & Research. 1-3 March 2000**, **Cairo, Egypt** **(Poster)**.
38. Al-Yahya, M. A., **Essam Abdel-Sattar**\* and Guittet, E. (**2000**). Pregnane Glycosides from *Caralluma russeliana.* **5th Scientific Conference of National Organization for Drug Control & Research. 1-3 March 2000.** **Cairo, Egypt (Poster).**
39. **Essam Abdel-Sattar** (**1999**). Saponin Glycosides from *Osteospermum vaillantii.* **The 3rd Annual Meeting of the Association of Colleges of Pharmacy in the Arab World, 14-16 October 1999, Tanta, Egypt** **(Poster)**.

**Seminars and Workshops**

1. Business Intelligence in Life sciences’ Workshop, Carivate Analytics, Academy of Scientific Research and Technology. 26-27 Nov 2019.
2. Participate in arrangement of: **Toyama-Asia-Africa Pharmaceutical Network** (TAA-Pharm ), A joint seminar On Recent Advances in Drug Discovery and Biopharmaceutics, Jannd 2018.
3. Think Green with Seniors Sixteen. Misr International University. 4 April 2016.
4. Vita Foods/Finished Products Europe 2015, Palexpo, Geneva, Switzerland, 5th- 7th May 2015.
5. Seminar on Joint Cooperation between Cairo University, Egypt; Lorriane University, Metz, France, and Sidi Mohammed ben Abdellah University, Fes, Morocco, Project:  Valorisation de résidus alimentaires dans le développement deNutraceutiques à potentiel anticancéreux et/ou modulateur redox A joint Project between Cairo University, Lorriane University, Metz, France and Sidi Mohammed ben Abdellah University-Fes: Funded by AUF, Egypt. April 20, 2015.
6. Utilization of algae for the production of biodiesel and nutraceuticals. May 18-2015- NRC, Cairo- Egypt.
7. The first International workshop on “Recent trends in Natural Products Drug Discovery and Analysis. Natural Product Center, Cairo, Dec 8-9, 2014.
8. Workshop on Herbal Medicine, regulations and registration in Ministry of Health. Natural Product Center. April 23, 2013Workshop: “Recent advances in natural products and biotechnology. On joint cooperation between Cairo University, Faculty of Pharmacy and University of Toyama, Japan. **Arranged by International Cooperation Centre Office (ICCO) and Natural product center, Cairo**, Oct 31, **2012**.
9. Seminar on: “Helmy Institute of Medical Sciences at Zewail City; Achievements, Challenges, and Hopes” Prof. Sameh Saad Ali, Nov 25, 2013.

#### List of Publications\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_TOTAL IF 262.99 (12-12-2020)

**Under publication (8)**

1. Marwa K., Dalia E-T, Amany E-G, Essam Abdel-Sattar, Helmy M. (2020). *Morus alba* leaves extract ameliorates paracetamol-induced oxidative stress and liver injury in rats via amending Nrf2/HO-1/JNK signaling pathway (**Under submission**).
2. Catherine Karim Boutros Zakhari, Samir Mohamed Osman, Nadia M Mahfouz, Camilia George Michel, Essam Abdel-Sattar (2021). Hepatoproptective Effects of Kombucha Tea in Carbon Tetrachloride-Induced Hepatotoxicity: An in Vivo and Molecular Docking Studies (In review: Tropical Journal of Natural Product Research).
3. Shrouq H. Sweilam, Fatma M. Abdel Bar, Omayma D ElGindi, Moshera M. El- Sherei and Essam Abdel-Sattar (2021). Chemical and *In Vitro* Anti-inflammatory Assessment of *Echinops erinaceus* Growing in Saudi Arabia” for consideration by **Journal of Taibah University for Science** as short communication
4. Engy Mahrous; Essam Abdel-Sattar, Manal M Shams; Marwa M Abd-Rabo; Nehad Mahmoud, A Comparative study of the anti-diabetic effect of Limonium axillare root and stem: Isolation of a novel ligand for ATP citrate lyase (**Under submission**).
5. Walaa S. Nasser, Micheal William Mikhail, Marwa Yousry Issa, Essam Abdel-Sattar (2020). Comparative rodenticide activity of three agro waste materials in combat of the Norway rat (*Rattus norvegicus*) under laboratory conditions. (**Under submission).**
6. Walaa S. Nasser, Micheal William Mikhail, Marwa Yousry Issa, Essam Abdel-Sattar (2020). Epidemiological survey of zoonotic pathogens among domestic rodents in Egypt and the antimicrobial effect of essential oil against them. (**under submission**).
7. Mohamed A. Salem, Shahira M. Ezzat\*, Patrick Giavalsico, Nebal El Tanbouly and Essam Abdel Sattar (2020). Application of a comprehensive metabolomics approach for the selection of flaxseed varieties with the highest nutritional and medicinal attributes (**under review:**  **Journal of Food and Drug Analysis**).
8. Meselhy R. Meselhy, Shahira M. Ezzat, Dalia El-Sheikh Ali, Mohamed El-Adl,Reham A. El-Shafei, Marwa M. Abd el-Aziz, Essam Abdel-Sattar(2019). Chemical and Biological Assessment of High Value Pharmaceutical Raw Material from Egyptian Orange Peel (*Citrus sinensis*) (**under review Ind J of Exp Biology**).

**TOTAL IF 269.302 (12-12-2020)**

**Publication 2021 (8) IF= 14.757**

1. Riham A. El-shiekh, Sahar El Mekkawy, samar Mounier, Azza Hassan (**2021**). Therapeutic Potential of Russelioside B as Anti-Arthritic Agent in Freund’s Adjuvant-Induced Arthritis in Rats (**in press J Ethnopharmacology**) **IF= 3.414**
2. Reham Hassan Mekky, Essam Abdel-Sattar, Antonio Segura-Carretero and María del Mar Contreras (2021). Metabolic Profiling of the oil of sesame of the Egyptian cultivar  
   ‘Giza 32’ employing LC-MS and tandem MS-based untargeted method. **Foods. In press IF 3.701**
3. Riham A. El-shiekh, Mohamed A. Salem, Samar M. Mouneir, Azza Hassan, Essam A. Abdel-Sattar\* (**2021**). A Mechanistic Study of Solenostemma argel as Anti-rheumatic Agent in Relation to its Metabolite Profile Using UPLC/HRMS. **J Ethnopharmacology 265, 113341.** <https://doi.org/10.1016/j.jep.2020.113341> **IF= 3.414**
4. Riham A. El-shiekh, Dalia A. Al-Mahdy, Mohamed S. Hifnawy, Essam A. Abdelsattar (**2021**). **Biological and Chemical Assessment of Ochrosia elliptica Labill Leaves.** **Arabian J Science & Engineering** <https://doi.org/10.1007/s13369-020-04986-6>. **IF=1.5**
5. Riham A. El-shiekh, Abeer Salama, Asmaa K. Al-Mokaddem, Amar Bader, **Essam A. Abdel-Sattar (2021)**. Russelioside B Protects Against Ethanol-Induced Gastric Ulcer via Modulation of Heat Shock Protein-70 and Vascular Endothelial Growth Factor. **Steroids:** **165**, 108759 **IF=1.948**
6. **Essam Abdel-Sattar**, Azza Ramy Abdel-Monem,Mohamed Elamir F. Hegazy, Ali M. El-Halawany, Sherif Mahmoud Afifi (2021). Genetic Diversity, LC-ESI-MS Chemical Profile and In Vivo Antitumor Activity of Three Egyptian Soybean Cultivars. **Natural Product Research** doi: **35** (1) 135-139. DOI.10.1080/14786419.2019.1610955. **IF= 2.158**
7. Riham A. El-shiekh, Abeer Salama, Asmaa K. Al-Mokaddem, **Essam A. Abdel-Sattar** (**2021**). Gastroprotective Effect of Mucilage Fraction from *Solenostemma argel* via Cytoprotection and Attenuation of Oxidative Stress, Inflammation and Apoptosis.  **J Herbmed Pharmacology 10(2), 232-240. IF= 0.78**
8. Salma Hago, Engy A. Mahrous, Mohamed Moawad, Samia Abdel-Wahab, **Essam Abdel-Sattar**

(2021). Evaluation of Antidiabetic Activity of *Morus nigra* L. and *Bauhinia variegata* L. Leaves as Egyptian Remedies Used for the Treatment of Diabetes **Natural Product Research 35 (5)** doi: 10.1080/14786419.2019.1601094**.** **IF= 2.158**

**Publication 2020 (14) Total IF 38.371**

1. Tarek Kamal Abouzed, Kadry M. Sadek, Emad waded Ghazy, Walied Abdo, Mohmed Atef Kassab, Salma Hago, Engy A. Mahrous, Samia Abdel-Wahab, Essam Abdel-Sattar (2020). Black Mulberry Fruit Extract Alleviates Streptozotocin-Induced Diabetic-Nephropathy in rats: Targeting TNF-α inflammatory pathway. **J Pharm and Pharmacology 72: 1615-1628.**

**DOI: 10.1111/JPHP.13338 IF= 2.571**

1. Ali El Halawany \*, Shanaz Mohamed, Ahmed El Desoky, Meselhy Zayed, **Essam Abdel-Sattar**, Sobhy Mohsen, Ola Essam, Sahar El Mekkawy (2020). Preparation of lignans-rich extract from the aerial parts of Phyllanthus niruri using non-conventional methods. **Molecules** **2020**, **25**(5), 1179; <https://doi.org/10.3390/molecules25051179>. **IF 3.267**
2. Akram Shalabi , Ali El-Halawany, Mouchira Choucry, Fatma Elsakhawy, Hiroyuki Morita, Ki kun, **Essam Abdel-Sattar** (2020). New pregnane glycosides from Caralluma hexagona Lavranos and their α-glucosidase and pancreatic lipase inhibitory effects. **Phytochemistry letter** **36**, 49-57. **IF= 1.459**
3. El-Berry A; Shagufta Mufti, Al-MaghrabiJ, GhareibS, Mosli S, El-Halawany A, Essam Abdel sattar(2020). The Protective Effect of *Sophora japonica* on the prostatic hypertrophy and inflammation in rat. **Inflammopharmacology** **Journal** 28, 1525–1536.

DOI: 10.1007/s10787-020-00723-5 **IF=3.238**

1. El Sayed, A. M., Basyoni, M. M., ElGayed, S. H., El-Badry, A. A., & **Essam Abdel-Sattar** (2020). Pregnane glycoside from *Huernia saudi-arabica* as latent schistosomicidal mediator. ***Natural Product Research*** **34**, 311-316. **IF= 2.158**
2. Dalia El-Sheikh Ali, Rehab S. Abdelrahman, Rania A. El Gedaily, Shahira M. Ezzat , Meselhy R. Meselhy,Essam Abdel-Sattar (2020). Evaluation of the Anti-inflammatory and Antioxidant Activities of Certain Resin Exudates. **Tropical Journal of Natural Product Research 4 (7), 255-261. Scopus**
3. Mona M. Okba, An Matheeusse, Essam Abdel-Sattar, Miriam F. Yousif, Kadriya S. El Deeb   
   and Fathy M. Soliman (2020). Entada rheedii phaseoloidin, protocatechuic acid and entadamide A against protozoal diseases: trypanosomiasis and   
   leishmaniasis. **Jordan Journal of Pharmaceutical Sciences,** 13 (3), 283-289. **Scopus**
4. Mareena M. Thabet, Reham Hassan Mekky, Celia Rodríguez-Pérez, Dina M. Yousry Elnaggar, Engy A. Mahrous, Antonio Segura-Carretero, Essam Abdel-Sattar (2020). Comparative metabolite profiling and antioxidant potentials of seeds and sprouts of three Egyptian cultivars of *Vicia faba* L. **Food Research International** **136**, **109537 IF= 4.972**

<https://doi.org/10.1016/j.foodres.2020.109537>

1. Ayat Emad; Sherifa ali; Engy Abdel-Rahman; sameh ali; Meselhy Meselhy; Mohamed Farag; Essam Sattar (2020). Anti-inflammatory and antioxidant effects of Apium graveolans extracts can mitigate against fatal acetaminophen-induced acute liver toxicity. **Journal of Food Biochemistry 44 (10): e13399**. DOI: 10.1111/jfbc.13399 **IF= 1.662**
2. **Essam Abdelsattar**, Hossam Mohamed Abdallah, Sahar El-Mekkawy, Chikara IchinoHiroaki Kiyohara, Haruki Yamada (2019). Antimalarial Alkaloid from *Hypoestes forskaolii,*  **Experimental Parasitology: 211: 107851**

**(**<https://doi.org/10.1016/j.exppara.2020.107851>**). IF: 1.719**

1. Abeer Mohamed El Sayed, Mohammed Nabil Khalil, Essam Abd El Sattar (2020). New calogenin glycoside derivative from *Hurenia saudi arabica* and itsLipase and α-Glucosidase Inhibitory Activities*.* **Biomedicine and Pharmacotherapy 127: 110143.** **IF 4.545**
2. Rehab Ashour, Riham El-shiekh, Enas Abd El-Haleim, Kawkab A. Ahmed Essam abdelsattar (2020). *Hibiscus sabdariffa* L.: A Potent Natural Neuroprotective Agent for the Prevention of Streptozotocin-Induced Alzheimer’s Disease in Mice. **Biomedicine & Pharmacotherapy** **128**: **110303**.<https://doi.org/10.1016/j.biopha.2020.110303> **IF 4.545**
3. Riham Adel, Fatema Reda and Essam Abdel-Sattar (2020). In vitro anti-hypertensive activity of *Jasminum grandiflorum* subsp. floribundum (Oleaceae) in relation to its metabolite profile as revealed via UPLC-HRMS analysis. **J Chromatography B,**  **1158**: **122334.**

<https://doi.org/10.1016/j.jchromb.2020.122334> **IF= 3.04 150th**

1. Essam Abdel-Sattar, Engy A. Mahrous, Mareena M. Thabet, Dina M.Yousry Elnaggar, Amal M. Youssef, Reda Elhawary, Sawsan A. Zaitone, Celia Rodríguez-Pérez, Antonio Segura-Carretero, Reham Hassan Mekky (2020). Methanolic extracts of a selected Egyptian *Vicia faba* cultivar mitigate the oxidative/inflammatory burden and afford neuroprotection in a mouse model of Parkinson’s disease. **Inflammopharmacology Journal** DOI 10.1007/s10787-020-00768-6 **IF: 3.45**

**2019 (8) Total IF 13.186**

1. Riham A. El-shiekh, Dalia A. Al-Mahdya, Samar M. Mouneir, Mohamed S. Hifnawy, Essam Abdel-Sattar (2019). Anti-obesity Effect of Argel (*Solenostemma argel*) on Obese Rats Fed a High Fat Diet. (**Journal of Ethnopharmacology,** *238*, 111893. doi: 10.1016/j.jep.2019.111893) **IF=3.414**
2. Reham Hassan Mekky, Essam Abdel-Sattar, Antonio Segura-Carretero and María del Mar Contreras (2019). Phenolic Compounds from Sesame Cake and Antioxidant Activity: A New Insight for Agri-Food Residues’ Significance for Sustainable Development (**Foods 2019, 8, article No. 432** doi:10.3390/foods8100432).  **IF 3.701**
3. Ayat M. Emad, Sherifa F. Ali, Meselhy R. Meselhy, Sameh S. Ali, Essam A. Sattar (2019). Comparative antioxidant study of Agro waste product of selected Apiaceous plants using EPR technique **Pharmacognosy Journal 2019; 11(6):1359-1364. Scopus**
4. Essam Abdel-Sattar, Doaa H.Abdelhady, Emad W Ghazi, Walied Abdo, Zizy I Elbialy, Mustafa Shukry, Engi Mahrous, (2019). Proanthocyandins-Rich Extract of *Calligonum comosum* Ameliorates Doxorubcin-Induced Immunosuppression and Hepatorenal Toxicity **Pharmaognosy magazine** 15 (66), 545-552. **IF= 1.31**
5. Heba Abd El Hady El Gizawy, Mohammed Abdalla Hussein and Essam Abdel-Sattar (2019). Biological activities, isolated compounds and HPLC profile of *Verbascum nubicum*. **Pharm Biology 57(1), 485-497. IF= 2.971**
6. Amira El Senousy, Sabah El Gayed, Saber Mostafa, Saeed Zidan, Mohamed Hariri, Nebal El Tanbouly, Essam Abdel-Sattar (2019). Optimization of linseed cultivation, a promising way to obtain high flax lignan. **International Journal of Research in Pharmaceutical Sciences (IJRPS)** **10**, **1698-1710. Scopus**
7. Riham A. El-shiekh, Dalia A. Al-Mahdy, Mohamed S. Hifnawy, Essam Abdel-Sattar (2019). Pharmacognostical study of Ochrosia elliptica Labill. (Apocynaceae). **Journal of Applied Pharmaceutical Science, 9 (5): 49-57. Scopus**
8. Riham A. El-shiekh, Dalia A. Al-Mahdy, Mohamed S. Hifnawy, Essam Abdel-Sattar (2019). *In-vitro* Screening ofSelected Medicinal Plants for their Anti-obesity and Anti-oxidant Activities. **South African Journal of Botany 123**:4**3–50**. **IF= 1.79**

**2018 (12) Total IF 23.776**

1. Ibrahim A Shehata; Essam El-harshany ; Hossam M Abdallah; Ahmed Esmat, Essam A Abdel-sattar (2018). Anti-inflammatory activity of Kleinia odora **European Journal of Integrative Medicine 23: 64-69**. **IF=0.974**
2. Khaled A Nematallah; Nahla A Ayoub; **Essam Abdelsattar**; Meselhy R Meselhy; Mohey M Elmazar; Ahmed H El-Khatib; Michael W Linscheid (2018). Polyphenols LC-MS2 profile of Ajwa date fruit (Phoenix dactylifera L.) and their microemulsion: Potential impact on hepatic fibrosis. **Journal of Functional food 49**: 401–411. **IF 3.701**
3. **Essam Abdel-Sattar**, Eman T. Mehanna, Sabah H. El-Ghaiesh, Hala M.F. Mohammad, Hanan A. Elgendy, Sawsan A. Zaitone (2018). Pharmacological action of a pregnane glycoside, russelioside B, in dietary obese rats: impact on weight gain and energy expenditure (**Frontiers in Pharmacology 9, article 990. ( DOI:** 10.3389/fphar.2018.00990). **IF 4.225**
4. 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 (2018). Cytotoxicity of abietane diterpenoids from *Salvia multicaulis* towards multidrug-resistant cancer cells, **Fitoterapia** 130: 54-60.[DOI.org/10.1016/j.fitote.2018.08.002](https://doi.org/10.1016/j.fitote.2018.08.002). **IF 2.527**
5. Akram Shalabi, Fatma El-Sakhawy, Mouchira Choucry, Sally EL Awdan and Essam Abdel-Sattar\* (2018). Assessment of biological activities of *Cissus rotundifolia* (Forssk.) Vahl. Growing in Yemen. **Research Journal of Pharmaceutical, Biological and Chemical Sciences** (RJPBCS) 9(4): 430-440. **Scopus**
6. Tarek Kamal Abouzed, María del Mar Contreras, Kadry Mohamed Sadek, Moustafa Shukry, Doaa Abdel Hady, Wael Mohamed Gouda, Wailed Abdo,  Nasr Elsayed Nasr, Reham Hassan Mekky, Antonio Segura-Carretero, Khaled Abdel-Aleim Kahilo and Essam Abdel-Sattar(2018). Red onion scales ameliorated streptozotocin-induced diabetes and diabetic nephropathy in Wistar rats in relation to their metabolite fingerprint. **Diabetes research and clinical practice** 140: 253-264. **IF: 4.232**
7. Abeer El Sayed; Shahira Ezzat; Saber Mostafa; Saeid Zedan; Essam Abdelsattar; Nebal El Tanbouly (2018). Inter Simple Sequence Repeat Analysis of Genetic Diversity and Relationship in Four Egyptian Flaxseed Genotypes. **Pharmacognosy research** 10: 166-172. **Scopus**
8. Shahira Mohammed Ezzat, Ph.D; Samia Shouman; Yasmin Attia; Mohamed El Sesy; Amira El Senousy; Mouchira Choucry; Sabah Hussein; Abeer El Sayed; Essam Abdel Sattar; Nebal El Tanbouly.(2018) Anticancer potentiality of lignan rich fraction of six Flaxseed cultivars. **Scientific Reports** Article number: 544. **IF= 3.998**
9. Riham Salah El Dine, Denyse Bagrel, Dalila Bousta, Dina R. Abou-Hussein, Smahane Boukhira, Emilie Evain-Bana*,* Nebal DarwishEl-Tanbouly, Stéphanie Philippot, Latifa El Mansourai, Tzvetomira Tzanova, Essam Abdel-Sattar\* (2018).Valorization of Egyptian Food Byproducts in the Development of Biologically Active Nutriceuticals.  **Int J Pharmacognosy 5 (3) 144-157.**
10. Mona M. Okba, Omar M. M. Sabry, Louis Maes, Essam Abdel-Sattar (2018). *In vitro* antiprotozoal Activity of Some Medicinal Plants Against Sleeping Sickness, Chagas Disease, and Leishmaniasis. **Future Medicinal Chemistry** **10** (22), 2607-2617

DOI: 10.4155/fmc-2018-0180, **IF= 3.607**

1. Essam Abdel-Sattar, Azza Ramy Abdel-Monem, Mohamed Elamir F. Hegazy, Ali M. El-Halawany, Sherif Mahmoud Afifi (2018). *In Vitro* Cytotoxic Activity of three Egyptian Soybean Cultivars. **International Research Journal of Pharmacy** 9 (12), 43-46.
2. Engy A Mahrous, Essam Abdel-Sattar (2016). Cytotoxicity and antibacterial activity of the bioactive components isolated from *Asparagus officinalis* L: A bioguided study. **Wulfenia** 25: (7) 50-75. **IF= 0.512**

**2017 (10) Total IF 10.815**

1. Essam Abdel-Sattar, Azza Ramy Abdel-Monem, Mohamed Elamir F. Hegazy, Ali M. El-Halawany, Sherif Mahmoud Afifi (2017). Isoflavones, phenolics and antioxidant activity of three Egyptian soybean cultivars**. Az. J. Pharm Sci.** 56: 67-74.
2. El Tanbouly, Nebal, Abeer M. El Sayed, Zeinab Y. Ali, Samia Abdel Wahab, Sabah H. ElGayed, Shahira M. Ezzat, Amira Safwat El Senousy, Mouchira Choucry, and Essam Abdel-Sattar (2017). "Antidepressant–Like Effect of Selected Egyptian Cultivars of Flaxseed Oil of a Rodent Model of Postpartum Depression. **Evidence-Based Complementary and Alternative Medicine** 2017, Article ID 6405789, 15 pages <https://doi.org/10.1155/2017/640578>. **IF 2.064**
3. Essam Abdel-Sattar\*, Shohda A. EL-Maraghy, Riham Salah El-Dine and Sherine M. Rizk (2017). Antihyperglycemic activity of *Caralluma quadrangula* in Streptozotocin-induced diabetic rats. (**Bulletin of Faculty of Pharmacy, Cairo University** 55 (2), 269-272.[doi.org/10.1016/j.bfopcu.2017.07.002](https://doi.org/10.1016/j.bfopcu.2017.07.002)).
4. Alaa M. Shaheen, Ibrahim A. Saleh, El-Sayeda A. El-Kashoury, Wafaa A. Tawfik, Sayed A. Omar, Mohamed-Elamir F. Hegazy, Essam Abdel-Sattar. Microwave-assisted extraction as an alternative tool for extraction of *Stachys aegyptiaca* essential oil. **Egyptian Pharmaceutical Journal** 16:98-102l.
5. Dina R. Abou-Hussein, Ahmed M. Galal, Ikhlas A. Khan, Essam Abdel-Sattar. 2017. Commicarpiflavonol glucosides A and B; two new 5-deoxyflavonol glucosides from *Commicarpus grandiflorus*. **Records of Natural products 11: 141-146. IF 1.311**
6. Shahira M Ezzat, Maha M Salama, Engy A Mahrous, Louis Maes, Cheol-Ho Panand Essam AbdelSattar1\*. 2017. Antiprotozoal activity of major constituents from the bioactive fraction of *Verbesina encelioides*. **Natural Products Research** 31: 676-680. **IF 1.928**
7. Hamdy A.A. Aly, Ayman A. Nagy, Memy H. Hassan, Hossam M Abdallah, **Essam Abdel-Sattar** (2017). Lipoic acid and *Calligonum comosumon* attenuate Aroclor 1260-induced testicular toxicity in adult rat. **Environmental Toxicology** 1147-1157. **IF 2.49**
8. Hilal Zaid, Michael Silbermann, Alaa Amash, Dan Gincel, Essam Abdel-Sattar and Nazli B. Sarikahya (2017). Medicinal Plants and Natural Active Compounds for Cancer Chemoprevention/Chemotherapy. **Evidence-Based Complementary and Alternative Medicine** 2017: ID 7952417. **IF= 2.064**
9. Riham A. El-shiekh, Dalia A. Al-Mahdy, Mohamed S. Hifnawy, Tzvetomira Tzanova, ‎Emilie Evain-Bana, Stéphanie Philippot, Denyse Bagrel, Essam Abdel-Sattar (2017). Chemical and biological investigation of *Ochrosia elliptica* Labill. Cultivated ‎in Egypt. **Records of Natural Products** 11: 552-557. **IF 1.311**
10. Mohamed-Elamir F. Hegazy, Ahmed R. Hamed, El-Sayeda A. El-Kashoury, Alaa M. Shaheen, Wafaa A. Tawfik, Paul W. Pare, Essam Abdel-Sattar (2017). Stachaegyptin A-C: *neo-*Clerodane diterpenes from *Stachys aegyptiaca.* **Phytochemistry letter** 21: 151–156. **IF 1.575**

**2016 (6) Total IF 12.786**

1. **Hossam Abdallah**, Mohamed A Farag, Samir M Osman; Da Kim; Kyungsu Kang; Cheol H Pan, Essam  A Abdel-Sattar, (2016). Isolation of major phenolics from *Launaea spinosa* and their protective effect on HepG2 cells damaged with t-BHP. **Pharmaceutical Biology** **54**: 536-41.

**IF 2.971**

1. Wael Abdelmoez‚ Eman Ashour‚ Shahenaz M. Naguib, Amr Hilal, Dalia A. Al Mahdy, Engy A. Mahrous, Essam Abdel-Sattar (2016). Kinetic and Thermodynamics studies for Castor Oil Extraction Using Subcritical Water Technology. **Journal of oleo science 65**: 477-485. **IF 1.305**
2. Shohda A. EL-Maraghy, Reham Salah El-Dine, Sherine M. Rizk, Essam Abdel-Sattar. Russelioside B from *Caralluma quadrangula* Improved Glucose Metabolism in the Liver of Streptozotocin- Diabetic Rats **Chemico-Biological Interactions** **252**: 47-53. **IF 3.723**
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4. MM Shabana, MH Gonaid, MM Salama, AA Sleem, Essam Abdelsattar (2016). Lipid profile and biologicalactivity of the different extracts of Stapelia hirsuta L. **Future Journal of Pharmaceutical sciences** **2**: 76-81.(doi:10.1016/j.fjps.2016.09.001). **IF 0.00**
5. Hossam Mohamed Abdallah, Doha Omar ALGhamdi , Maab Siddiq Al-Salem, Maryam Alattas, Hany Mohamed El-Bassossy, Abdulrahman Mohammed Alahdal, Ibrahim Ateya Shehata1 and **Essam Abdel-Sattar** (2016). Effect of Viscum schimperi on advanced glycation endproducts formation. **Pak. J. Pharm. Sci. 29: 2307-2316. IF 0.562**

**2015 (9) Total IF 13.395**

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2. Azza R. Abdel-Monem, Zeinab A. Kandil, Ashraf B. Abdel-Naim, and **Essam Abdel-Sattar** (2015). A new triterpene and protective effect of *Periploca somaliensis* Browicz fruits against CCl4-induced injury on human hepatoma cell line (Huh7). **Natural Product Research 29:**423-429. **IF 2.158**
3. Essam Abdel-Sattar, **Mohamed A Farag, Engy Mahrous (2015).**Chemical Constituents from *Solanum glabratum* Dunal var. *sepicula.* **Rec. Nat. Prod** 9 (1), 94-104. **IF 1.268**
4. Reham Hassan Mekky, María del Mar Contreras, Mohamed Roshdi El-Gindi, Azza R. Abdel-Monem, **Essam Abdel-Sattar** and Antonio Segura-Carretero (2015). Profiling of phenolic and other compounds from Egyptian cultivars of chickpea (*Cicer arietinum* L.) and antioxidant activity: a comparative study. **Royal society of chemistry Advances 5:** 17751–17767**. IF 3.119**
5. Essam Abdel-Sattar, Dina R. Abou-Hussein , Frank Petereit (2015). Chemical Constituents from the Leaves of *Euphorbia ammak*. **Pharmacognosy research 7:** 14-17. **Scopus**
6. Hossam M Abdallah, Fahad M Almowallad Ahmed Esmat, Ibrahim  A Shehata, Essam Abdel-Sattar (2015). Anti-inflammatory activity of *Chrozophora tinctoria* growing in Saudi Arabia. P**hytochemistry letters 13:74-80. IF 1.459**
7. Ahmed A. Elberry, Fathalla M. Harraz, Salah A. Ghareib, Ayman A. Nagy, Salah A. Gabr, **Essam Abdel-Sattar** (2015). Methanolic extract of *Marrubium vulgare* ameliorate hyperglycemia and dyslipidemia in streptozotocin-induced diabetic rats. **International Journal of Diabetes Mellitus** **3**: 37-44. **Scopus**
8. Walied Abdo, Mostafa Shukry, Tarek Kamal, **Essam Abdelsattar**, Engi Mahrous (2015). *Calligonum comosum* Extract Inhibits Diethylnitrosamine-Induced Hepatocarcinogenesis in Rats. **Oncology letters 10: 716-722.**  **IF 2.311**
9. **Hossam M. Abdallah**, Mohamed A. Farag, Ashraf B. Abdel-Naim, Salah, Gharib, Essam A. Abdel-Sattar (2015). Mechanistic evidence of *Viscum schimperi* (Viscaceae) antihyperglycemic activity: from a bioactivity guided approach to comprehensive metabolite profiling. **Phytotherapy Research 29: 1737-1743. IF 4.078**

**2014 (6) Total IF 4.996**

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