



Curriculum vitae

Samar Yehia Desoukey Attia { Ph.D }

Professor

Pharmacognosy Department

Faculty of Pharmacy

Minia University

Minia, 61519, Egypt

Personal data:-

Permanent or Mailing Address:-

147 Gesr El Suez Road, 4TH Floor, Flat (11) El Nozha –11351- Cairo, Egypt

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Education:-

Doctor of Philosophy (PhD.)

Minia University

Minia , Egypt

1999-2004

Master of Science (MSc) in Pharmacognosy

Cairo University

Cairo, Egypt

1993-1998

Bachelor of pharmaceutical science

Cairo University

Cairo, Egypt

1987-1991

Teaching Experience:-

- Phytochemistry {alkaloids, glycosides, volatile oils & carbohydrates}
- Botany and medicinal plants ,with Introduction to pharmacognosy
- Flower, leaf ,bark, wood & galls. Also roots & rhizomes with unorganized drugs
- Quality control of herbal drugs and chromatographic techniques
- Applied and forensic pharmacognosy
- Tissue culture and biosynthesis for production of some natural products
- Phytotherapy and aromatherapy.
- Postgraduates (MSc and PhD Students in Pharmacognosy department)

Research interests:-  [0000-0002-4462-9674](https://orcid.org/0000-0002-4462-9674) / QR code



Web of Science Researcher ID is **ABB-3317-2020**.y

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Phytochemistry {extraction, fractionation, isolation, purification and identification}
& pharmacognostical studies.

Tissue culturing of some medicinal plants.

Genetic engineering {silencing & knockout technique} at the School of Chemistry,
Bristol University, U.K.

Cytotoxic and anti-infective {antimicrobial (antibacterial and antifungal), antimalarial and antileishmanial} activities of some medicinal plants at the NCNPR & School of Pharmacy,
Mississippi University, USA.

Theses supervision:-

MSc students

Maida Fouad Abdelwahab Demonstrator at Pharmacognosy dep., Faculty of pharmacy,
Minia University { Pharmacognostical study of *Petrea volubilis* family: Verbenaceae
cultivated in
Egypt} Submitted 2009.

Alyaa Hatem Ibrahim external MSc student {A pharmacognostical study of some Fabaceae plants
cultivated in Egypt } submitted 2012.

Eman Mohamed Maher external MSc student {A pharmacognostical study of *Russelia Equisetiformis*
family: Scrophulariaceae} submitted 2012.

Alshymaa Goma, Demonstrator at Pharmacognosy dep., Faculty of pharmacy, Minia University
{A pharmacognostical study of *Abutilon hirtum*. Fam. Malvaceae cultivated in Egypt} submitted 2016.

Omneya Mohamed Hashim Demonstrator at pharmacognosy dep., Faculty of pharmacy, Deraya
University submitted 2017.
{Pharmacognostical study of *Malvaviscus arboreus* Cav. family Malvaceae, cultivated in Egypt.}
Submitted 2017.

Safwat Mariey Safwat, Demonstrator at pharmacognosy dep., Faculty of pharmacy AL-Azhar
University {Assuit}.

{A pharmacognostical study of *Orobancha crenata* Forssk., Fam.: Orobanchaceae growing in Egypt}.
Submitted 2017

Enas Reda AbdelAleem, Demonstrator at pharmacognosy dep., Faculty of pharmacy, Minia University (Pharmacognostical study of *Cordia myxa* cultivated in Egypt.) submitted May 2018

Nosyba Ahmed AbdelAtey Mansy, Demonstrator at Pharmacognosy dep., Faculty of pharmacy Minia University

{Pharmacognostical study of *Molluccella laevis*, Family Labitae (Lamiaceae) cultivated in Egypt.} submitted October 2019

Yousitina Refaat Boshra, Demonstrator at Pharmacognosy dep., Faculty of pharmacy, Minia University.

{Pharmacognostical study of *Narcissus pseudonarcissus*.L family Amaryllidacea cultivated in Egypt.} Submitted 2023

Naglaa Ahmed Mohamed Younis, Demonstrator of Pharmacognosy, Sohag University

{Pharmacognostical and biological investigations of some selected plants belonging to Family: Amaryllidaceae, cultivated in Egypt.} submitted 10 2024

Ph.D students

Amira S Wanas Ass. Lecturer ,Faculty of pharmacy, Minia University

{ A phytochemical study of *Schefflera actinophylla* and *Clerodendrum glabrum* } channel with Hiroshima university –Japan, submitted 2010

John Refaat Faheem Ass. Lecturer ,Faculty of pharmacy, Minia University

{Chemical studies on *Chorisia chodatti* and *C.speciosa* family:-Bombacaceae cultivated in Egypt} submitted 2013

Wafaa Elkady Lecturer, Faculty of pharmaceutical sciences and pharmaceutical industries, Future University. {Phytochemical study of certain *Gazania* species cultivated in Egypt.} submitted 2014

Eman Zekry Shihata, Lecturer, Faculty of pharmacy, Minia University

{Effect of drought stress and salicylic acid on some *Ruta graveolens* secondary metabolites} submitted 2015

Nada Ahmed Abdel Wahab, Lecturer at Minia University at Faculty of pharmacy, Minia University submitted 2018

{Isolation and structure elucidation of cytotoxic natural products from Fungi}

Miada Fouad Abdel Wahab, Lecturer at Minia University at Faculty of pharmacy, Minia University submitted 2019

{Cytotoxic secondary metabolites from endophytes.}

Alyaa Hatem Ibraheem, Ass. Lecturer at Minia University at Faculty of pharmacy, Sohag University {Isolation of bioactive secondary metabolites from endophytes and Actinomycetes} submitted 2018

Heba Ali Hassan Osman, Lecturer at Minia University at Faculty of pharmacy, Deraya University {A comparative phytochemical and biological study of some *Ficus* species cultivated plants in Egypt}. submitted 2019

Alshymaa Goma, Lecturer, Faculty of pharmacy, Minia University {A phytochemical and biological study of *Zinnia elegans* and *Gazania regines* F. Astraceae cultivated in Egypt.} submitted 2019

Eman Mohamed Maher Lecturer at pharmacognosy dep., Faculty of pharmacy, Deraya University {Phytochemical and biological investigation of certain plants belonging to family lamiaceae} submitted 2019

Omneya Mohamed Hashim, Lecturer at pharmacognosy dep., Faculty of pharmacy, Deraya University {Bioactive natural products from the Red sea soft corals.} submitted 2021

Enas Reda AbdelAleem, Lecturer at pharmacognosy dep., Faculty of pharmacy, Minia University, {Bioactive metabolites from marine organisms and the associated bacteria.}submitted 2023

Current theses supervision

MSc students:

Hend Gamal Hussien Ezat, Demonstrator at Pharmacognosy dep., Faculty of Pharmacy, Minia University. {Investigation of secondary metabolites and biological activities of *Crinum augustum* Rox. belonging to family: Amaryllidaceae, cultivated in Egypt.}

Howida Mahmoud Tohamy Sayed, Postgraduate of Faculty of Pharmacy, Minia University. {Phytochemical and Biological Investigations of *Ajuga iva* (L.), Family: Lamiaceae}

Marina Kamel Nasr, Postgraduate of Faculty of Pharmacy, Deraya University. {Phytochemical and biological studies of *Ageratum houstonianum* mill. (Asteraceae) cultivated in Egypt}

Asmaa Hassan Mahmoud, Demonstrator at Pharmacognosy dep., Faculty of Pharmacy, Sohag University. {Phytochemical and biological studies of *Prunus persica*(L.)Batsch Family:Rosaceae }

PhD students:

Nosyba Ahmed AbdelAtey Mansy, Assistant lecturer at Pharmacognosy dep., Faculty of Pharmacy, Minia University, {Bioactivities of secondary metabolites produced by the *Cladosporium* species.}

Yousitina Refaat Boshra, Assistant lecturer at Pharmacognosy dep., Faculty of Pharmacy, Minia University. {Phytochemical and biological studies of *Euryops pectinatus* (L.) Cass Family: Asteraceae.}

Judgement of MSc thesis

Mohamed Ahmed Ismaeel Roshdey, submission date:- 24-4-2014

Derivition of chemical structures of some cytotoxic natural antioxidants

Basma khalaf Mohamed, submission date:- 29-9-2015

Pharmacognostical study of *Markhamia plantacaliks* f. Bignoniacea cultivated in Egypt

Marwa Mohamed Ismaeel submission date:- 29-5-2018

A comparative phytochemical and biological study of different types of Moassel.

Radwa Mohamed, submission date:- 9-9-2019

Phytochemical and biological studies of L. Family Elaeocarpaceae cultivated in Egypt

Asmaa Abo Elgoud 1-10-2019

Phytochemical and biological studies of *Aptenia cordifolia* L. Family Aizoaceae cultivated in Egypt.

Ahmed Abdulazeem Nasr El Din Mohamed Zaghlol 7-7-2024 **Cairo University**

A phytochemical and biological study of *Euphorbia greenwayi* P.R.O.Bally & S. Carter. Family: Euphorbiaceae.

Engy Saadallah Ibrahim Saleh 29-10-2024

Pharmacognostical study of *Chorisia chodatti* Hassl. Family Bombacaceae cultivated in Egypt.

Judgement of PhD thesis

Noha Mostafa Fathallah Fathi, submission date:-23-2-2021 **Cairo University**

Chemical and biological evaluation of metabolites isolated from fruits, wastes and endophytic fungi of cultivated *Ammi majus* L. plant.

Marwa Ahmed Taher Abd ElHameid, submission date:-19-3-2022 **Beni-suef University**

Comparative pharmacognostical study of different *Tabebuia* species.

Hanan Mahmoud Abd-ALmaksoud, submission date:- 3-11-2022 Cairo University

Phytochemical and biological studies of certain *Sabal* species cultivated in Egypt.

Somaia Ahmed abdu al-Madhagy, submission date 20-5-2023 Cairo University

Phytochemical and biological studies of *Pavetta longiflora* Vahl.F.Rubiaceae and *Otostegia fruticosa* Forssk.F.Lamiaceae growing in Yemen.

Hanaa Bahaa Elkhoully, submission date:- 4-6-2023 Minia University

Isolation and structure elucidation of biologically active secondary metabolites from marine origin

Asmaa AboElgoud Said Abdel-Hamid, submission date 14/1/2024 Minia University

Phytochemical and biological investigations of secondary metabolites from marine origin.

Publications

1. Genetic, molecular, and biochemical basis of fungal tropolone biosynthesis

Jack Davison, Ahmed al Fahad, Menghao Cai, Zhongshu Song, **Samar Y. Yehia**, Colin M. Lazarus, Andrew M. Bailey, Thomas J. Simpson, and Russell J. Cox.

PNAS, 2012; 109 (20): 7642-764 www.pnas.org/cgi/doi/10.1073/pnas.120146910

2. Triterpene Glycosides and Glucosyl Esters and a Triterpene from the Leaves of *Schefflera actinophylla*

Amira Samir WANAS, Katsuyoshi MATSUNAMI, Hideaki OTSUKA, **Samar Yahie DESOUKEY** Mostafa Ahmed FOUAD, and Mohamed Salah KAMAL.

Chem. Pharm. Bull. 2010; 58(12) 1596-1601

3. Comparative Study of the Nutritional Value of Four Types of Egyptian Palm Pollens

Mokhtar Bishr1 and **Samar Y. Desoukey**

Journal of Pharmacy and Nutrition Sciences, 2012; 2, 50-56

4. Flavonoids of *Neotorularia aculeolata* Plant

Fatma A. Ahmed, Inas M. Abd El-Wahab Khamis and **Samar Y. Desoukey**

Journal of Pharmacy and Nutrition Sciences, 2011;1, 134-139

5. Phytochemical and biological study of *Petrea volubilis* {Verbenaceae }

M.F.Abdelwahab, A.Abdel-Lateff ,M.A.Fouad, **S.Y.Desoukey** and M.S.Kamel

Bull.Pharm. Sci.,Assuit University, 2011;341:.9-20

6. Macro-and Micro-Morphology of *Petrea Volubilis* L. Cultivated In Egypt; leaf and stem

Miada F.Abdelwahab , Ahmed Abdel-Lateff , **Samar Y. Desoukey**, Moustafa .A.Fouad, Safaa A. El- Moghazy and M.S.Kamel

Bull.Fac.Pharm.Cairo Univ, 2009; 47(1) :243-258

7. Bombacaceae: A phytochemical review

John Refaat, **Samar Y. Desoukey**, Mahmoud A. Ramadan, and Mohamed S. Kamel

Pharmaceutical Biology, 2012; 51(1) : 100-130

8. Cardiotoxic activity of *Pergularia tomentosa* different extracts, fractions& isolated compounds.

M.S., Hifnawy, M.A. El-Shanawany, M.M., Khalifa , A.K, Youssef & **S.Y., Desoukey**

IOSR journal of pharmacy and biological sciences, 2014; 9(1): 54-60

9. Invitro and invivo cultivation of *Pergularia tomentosa* for cardenolides

M.S., Hifnawy, M.A. El-Shanawany, M.M., Khalifa , A.K, Youssef & **S.Y., Desoukey**

IOSR journal of pharmacy and biological sciences, 2014;9(2); 40-52

10. Bacterial Growth Inhibitory Effect of *Ceratonia siliqua* L. Plant Extracts alone and in Combination with Some Antimicrobial Agents.

Alyaa Hatem, Rehab Mahmoud, Abd El-Baky, **Samar Yehia Desoukey**, Ahmed Abd- Lateff, Mohamed Salah Kamel

Journal of Advanced Biotechnology and Bioengineering 2013;1(1):3-13

11. The effect of soil on *Ammi visnaga*(L) Lam. plant grown in several localities of Egypt and Sudan.

Mokhtar M. Bishr, **Samar Yehia Desoukey** and Mohamed Magdy
IOSR journal of pharmacy and biological sciences 2014;9(3):62-68

12. Chemical composition and biological activity of essential oils of Cumin and coriander fruits from Egypt.

Rasha S Hanafi, Mansour Sobeh, Mohamed L.Ashour, Mahmoud Z.El Rendi, **Samar Y. Desoukey**, Raimund Neiss, Ashraf H. Abadi and Micheal Wink.
The natural products journal, 2014;4(1): 63-69

13. Bombacaceae Between the Ethnomedical Uses and Pharmacological Evidences: A Review

John Refaat, **Samar Y. Desoukey**, Mahmoud A. Ramadan and Mohamed S.Kamal
The Natural Products Journal, 2014;4, 254-270

14. Chemical constituents from *chorisia chodatii* flowers and their biological activities

John Refaat, Mamdouh N.Samy, **Samar Yehia Desoukey**, Mahmoud A.Ramadan, Sachiko Sugimoto, KatSuychi Matsonami, SKM and Momhamed S. Kamel
Medicinal Chemistry Research,2015;24:2939–2949

15. Rhoifolin :-A review of sources and biological activities

John Refaat, **Samar Y. Desoukey**, Mahmoud A. Ramadan and Mohamed S.Kamal
International Journal of Pharmacognosy, 2015;2(3),102-109

16. Production of rhoifolin and tiliroside from callus cultures of *Chorisia chodatii* and *Chorisia speciosa*

John Refaat Fahim, Ghada Abd El-Moneim Hegazi, Reda El-Said Abo El-Fadl, Mohamed Reda Abd Almegid Abd Alhady, **Samar Yehia Desoukey**, Mahmoud Ahmed Ramadan, Mohamed Salah Kamel
Phytochemistry letters. 2015; 13,218–227

17. Comparative DNA profiling, botanical identification and biological evaluation of *Gazania longiscapa* DC and *Gazania rigens* L.

Wafaa M. El Kady, Abeer A.A. Salama, **Samar Y. Desoukey** , Eman G. Hagag, Siham M. El-Shenawy, M.A. El-Shanawany.
Bulletin of Faculty of Pharmacy, Cairo University, 2015;53, 129–145

18. A Pharmacognostical Study of *Russelia equisetiformis* Sch. & Cham.

Eman M. Ahmed, **Samar Y. Desoukey**, Mostafa A. Fouad, Mohamed S. Kamel
IJPPR, 2016;8(1): 174-192

19. Pharmacognostical studies of leaf, stem, root and flower of *Abutilon hirtum* (Lam.) Sweet
Alshymaa Abdel-Rahman Gomaa, Mamdouh Nabil Samy, **Samar Yehia Desoukey**, Mohamed Salah Kamel

IJPPR, 2016;8(1): 199-216

20. Chemical and biological studies of *Russelia equisetiformis* (Sch.&Cham.) aerial parts

Eman M. Ahmed, **Samar Y. Desoukey**, Mostafa A.Fouad , Mohamed S.Kamel.
Journal of applied pharmacy, April 2016, 8 (2):266-276,

21. Glycosides of *Onopordum alexandrinum* Boiss. and its Central Nervous System (CNS) and Some Biological Activities

Heba Ibrahim Abd El-Moaty, A S Wanas, M M Radwan, **Samar Y Desoukey**.

International Journal of Pharmacognosy and Phytochemical Research 2016; 8(7):1088-1098

22. Hepatoprotection and Antioxidant Activity of *Gazania longiscapa* and *G. rigens* with the Isolation and Quantitative Analysis of Bioactive Metabolites

Samar Y Desoukey, Wafaa M El Kady, Abeer A A Salama, Eman G Hagag, Siham M El-Shenawy, M A El-Shanawany

International Journal of Pharmacognosy and Phytochemical Research, 2016; 8(7): 1121-1131

23. Biosynthetic Capacity of Kaempferol from In Vitro Produced Argel (Solenostemma argel (DEL.) HAYNE) Callus

Mohamed R. Abd Alhady, Ghada A. Hegazi, Reda E. Abo El-Fadl, **Samar Y. Desoukey**

Research Journal of Applied Biotechnology (RJAB), **Special volume**

The first International Conference of Genetic Engineering and Biotechnology, Sharm el Sheikh, Egypt. 26-29 April, 2016.

24. Botanical studies of leaves of *Malvaviscus arboreus* Cav. family: Malvaceae, cultivated in Egypt

Omnia Hesham Abdel Hafez, John Refaat, Usama Ramadan Abdelmohsen and **Samar Y Desoukey**

International Journal of Pharmacognosy and Phytochemical Research, 2017; 6(3): 149-153

25. Botanical investigation of *Orobancha crenata*

Safwat M. S. Abo Qotb, Mohammed A. A. Orabi¹, Ahmed M. M. Hassanein and **Samar Y. Desoukey**.

Pharm. J. of Innovative Drug R&D AlAzhar Assuit University, 2017;2(1):8-21

26. Analysis of Cupressuflavone and Amentoflavone from *Cupressus sempervirens* L. and its Tissue Cultured Callus using HPLC-DAD Method

Elsayed Albrahim, **Samar Yehia Desoukey**, Ghada M Hadad, Randa A Abdel Salam, Amany k Ibrahim, Safwat A Ahmed, Mohamed Ahmed Radwan , Amira S Wanas and Mahmoud A Elsohely

Pharmacy and pharmacology international journal 2017; 5(5):2-8

27. Anti-inflammatory, analgesic, antipyretic and antidiabetic activities of *Abutilon hirtum* (Lam.) Sweet

Alshymaa A.-R. Gomaa, Mamdouh N. Samy, **Samar Y. Desoukey** and Mohamed S. Kamel

Clinical Phytoscience 2018;4:11

28. Botanical studies of the leaf of *Cordia myxa* L.

Enas R AbdEl-Aleem, Fatma El-Zahraa F Seddik, Mamdouh N Samy and **Samar Y Desoukey**

Journal of Pharmacognosy and Phytochemistry 2017; 6(6): 2086-2091

29. Natural Product Potential of the Genus *Nocardiosis* (Review)

Alyaa Hatem Ibrahim, **Samar Yehia Desoukey**, Mostafa A. Fouad, Mohamed Salah Kamel, Tobias A. M. Gulder , and Usama Ramadan Abdelmohsen .

Mar. Drugs, 2018; 16, 147

30. Lipid profiling, phenolic content and antioxidant activity of the endophytic fungus *Alternaria* sp. isolated from *Dracaena* sp. plant

Alyaa Hatem Ibrahim, Eman Zekry Attia, Usama Ramadan Abdelmohsen, **Samar Yehia Desoukey**, Ehab Saad Elkhayat, Mostafa Ahmed Fouad, Mohamed Salah Kamel

JABPS, 2018; 1(1):13-16

31. Total phenol content and antioxidant activities of the fungus *Ulocladium botrytis*

Nada Mohamed Abdel-Wahab, Dina Faek El-kashef, Eman Zekry Attia, **Samar Yehia Desoukey**, Ehab Saad Elkhayat, Mostafa Ahmed Fouad, Mohamed Salah Kamel

JABPS, 2018; 1(1):17-19

32. Hepatoprotective potential of *Malvaviscus arboreus* against carbon tetrachloride-induced liver injury in rats

Omnia Hesham Abdelhafez, Michael Atef Fawzy, John Refaat Fahim, **Samar Yehia Desoukey**, Markus Krischke, Martin J. Mueller, Usama Ramadan Abdelmohsen.

PLoS ONE, 2018; 13(8):1-18

33. New Cytotoxic Cyclic Peptide from the Marine Sponge-Associated *Nocardiosis* sp. UR67

Alyaa Hatem Ibrahim, Eman Zekry Attia, Dina Hajjar, Mohamed A. Anany, **Samar Yehia Desoukey**, Mostafa Ahmed Fouad, Mohamed Salah Kamel, Harald Wajant, Tobias A. M. Gulder, and Usama Ramadan Abdelmohsen.

Mar. Drugs, 2018; 16, 290: 1-13

34. Chemical Composition and Antimicrobial Activities of Essential Oils of *Ruta graveolens* Plants Treated with Salicylic Acid Under Drought Stress Conditions

Eman Attia, Rehab mahmoud Abd El-Baky, **Samar desoukey**, Mahmoud Abd El Hakeem Mohamed, Mokhtar Bishr, Mohamed Salah Kamel

Future Journal of Pharmaceutical sciences, 2018;4:254–264

35. Characterization of some garlic clones using morphological, cytological, molecular and chemical techniques

Gehan Mohamed Anwar, Fatma Fawzy Farag, **Samar Yehia Desoukey**

J. Adv. Biomed. & Pharm. Sci., 2018;1: 50-55

36. New bioactive metabolites from the elicited marine sponge-derived bacterium *Actinokineospora spheciospongiae* sp. nov.

Ahmed Tawfike, Eman Zekry Attia, **Samar Yehia Desoukey**, Dina Hajjar, Arwa A. Makki, Peter J. Schupp, RuAngelie Edrada-Ebel, and Usama Ramadan Abdelmohsen.,

AMB Express, 2019;9:12

37. Recent updates on corals from Nephtheidae.

Omnia Hesham Abdelhafez, John Refaat, **Samar Yehia Desoukey**, Mohamed S Kamel, and Usama Ramadan Abdelmohsen.

Chemistry & Biodiversity, 2019,16(6) DOI: 10.1002/cbdv.201800692

38. Quantitative Analysis of Total Phenolic and Total Flavonoid Constituents of some *Ficus* species

Heba Hassan, Eman Attia , **Samar Desoukey**, Khaled Mohamed, Mohamed Kamel.,

J. Adv. Biomed. & Pharm. Sci., 2019;2 :38-40

39. A comprehensive review of phytoconstituents and biological activities of genus *Zinnia*.,

Alshymaa Abdel-Rahman Gomaa, Mamdouh Nabil Samy, **Samar Yehia Desoukey** , Mohamed Salah Kamel., *J. Adv. Biomed. & Pharm. Sci.*, 2019; 2(1): 29-37

40. Isolation of Sesquiterpene–Amino Acid Conjugates, Onopornoids A–D, and a Flavonoid Glucoside from *Onopordum alexandrinum*

Sachiko Sugimoto, Yoshi Yamano, **Samar Y. Desoukey**, Kazuaki Katakawa, Amira S. Wanas, Hideaki Otsuka, and Katsuyoshi Matsunami. *J. Nat. Prod.* 2019; 82: 1471–77

41. Local anaesthetic potential, metabolic profiling, molecular docking and in silico ADME studies of *Ocimum forskolei*, family Lamiaceae (published online: 30 Jan 2020)

Eman Maher Zahran, Usama Ramadan Abdelmohsen, Mahmoud. M. Shalash, M. Alaraby Salem, Hany Ezzat Khalil, **Samar Yehia Desoukey**, Mostafa Ahmed Fouad, Markus Krischke, Martin Mueller & Mohamed Salah Kamel { short communication }

Natural Product Research, 2021; 35(22):4757–63 <https://doi.org/10.1080/14786419.2020.1719489>

42-Anti-Inflammatory Potential of Green Synthesized Silver Nanoparticles of the Soft Coral *Nephthea* Sp. Supported by Metabolomics Analysis and Docking Studies

Omnia Hesham Abdelhafez, Taha Farouk Shehata Ali, John Refaat Fahim, **Samar Yehia Desoukey**, Safwat Ahmed, Fathy A Behery, Mohamed Salah Kamel, Tobias AM Gulder, Usama Ramadan Abdelmohsen.

International Journal of Nanomedicine;2020, 15: 5345-60

43. *Ammi Visnaga* L., a Potential Medicinal Plant: A Review

Noha Khalil, Mokhtar Bishr, **Samar Desoukey**, Osama Salama. *Molecules*, 2020; 25: 301

44. Metabolomics analysis and biological investigation of three Malvaceae plants

Omnia Hesham Abdelhafez, Eman Maher Othman, John Refaat Fahim, **Samar Yehia Desoukey**, Sheila Marie Pimentel-Elardo, Justin R. Nodwell, Tanja Schirmeister, Ahmed Tawfike, Usama Ramadan Abdelmohsen.

Phytochemical Analysis, 2020;31(2) 204-214 DOI: 10.1002/pca.2883

45. Metabolomic profiling and biological investigation of *Tabebuia Aurea* (Silva Manso) leaves, family Bignoniaceae Short communication,

Basma Khalaf Mahmoud, Ashraf Nageeb Elsayed Hamed, Mamdouh Nabil Samy, Usama Ramadan Abdelmohsen, Eman Zekry Attia, Michael Atef Fawzy, Rana Hosny Refaey, Mohammad Alaraby Salem, Sheila Marie Pimentel-Elardo, Justin R. Nodwell, **Samar Yehia Desoukey** & Mohamed Salah Kamel.

Natural Product Research 2021, 35(22): 4632-4637 doi.org/10.1080/14786419.2019.1698571

46. Potential of *Ficus microcarpa* metabolites against COVID-19 virus main protease supported by docking studies

Heba Ali Hassan, Usama Ramadan Abdelmohsen, Omar M. Aly, **Samar Y. Desoukey**, Khaled M. Mohamed, and Mohamed S.Kamel.

Natural Product Research 2022, 36(4):994-998. doi: 10.1080/14786419.2020.1839452

47. The soft coral *Nephthea* sp. as a source of potential inhibitors of COVID-19 main protease: An *in-silico* approach *Natural Product Research* 2021,{under publication}

Omnia Hesham Abdelhafez, Muhamad Mustafa, John Refaat Fahim, Usama Ramadan Abdelmohsen , **Samar Yehia Desoukey**, Alaa M. Hayallah , Mohamed Salah Kamel

48. Isolation and characterization of novel acetylcholinesterase inhibitors from *Ficus benghalensis* L. leaves

Heba A. Hassan, Ahmed E. Allam, Dalia H. Abu-Baih, Mamdouh F. A. Mohamed, Usama Ramadan Abdelmohsen, Kuniyoshi Shimizu, **Samar Y. Desoukey**, Alaa M. Hayallah, Mahmoud A. Elrehany, Khaled M. Mohamed, and Mohamed S. Kamel

RSCAdv.,2020, **10**,36920-36929

49. Anti-epileptic potential, metabolic profiling and in silico studies of the aqueous fraction from *Ocimum menthiifolium* benth, family Lamiaceae

Eman Maher Zahran, Usama Ramadan Abdelmohsen, Ahmed Kolkeila, M. Alaraby Salem, Hany Ezzat Khalil, **Samar Yehia Desoukey**, Mostafa Ahmed Fouad & Mohamed Salah Kamel

Natural Product Research, short communication, 2021,35(24) 5972-5976

DOI: [10.1080/14786419.2020.1809396](https://doi.org/10.1080/14786419.2020.1809396)

50. Phytochemical investigation of saponifiable matter & volatile oils and antibacterial activity of *Moluccella laevis* L., family Lamiaceae (Labiatae)

Ashraf N. E. Hamed , Nousiba A. Abdelaty, Eman Z. Attia, **Samar Y. Desoukey**

JABPS, 3(4) 2020; 213-220

51-Diversity, phytochemical and medicinal potential of the genus *Ocimum* L.(Lamiaceae)

Eman Maher Zahran, Usama Ramadan Abdelmohsen, Hany Ezzat Khalil, **Samar Yehia Desoukey**, Mostafa Ahmed Fouad & Mohamed Salah Kamel.

Phytochem Rev. 2020;19 : 907–953 <https://doi.org/10.1007/s11101-020-09690-9>

52. Metabolic profiling, histopathological anti-ulcer study, molecular docking and molecular dynamics of ursolic acid isolated from *Ocimum forskolei* Benth. (family Lamiaceae)

Eman Maher Zahran, Usama Ramadan Abdelmohsen, Ahmed Taha Ayoub, M. Alaraby Salem, Hany Ezzat Khalil, **Samar Yehia Desoukey**, Mostafa Ahmed Fouad, Mohamed Salah Kamel.

South African Journal of Botany, 2020; 131: 311-319

53. Metabolomics profiling and anti-infective potential of *Zinnia elegans* and *Gazania rigens* (Family Asteraceae)

Alshymaa Abdel-Rahman Gomaa, Mamdouh Nabil Samy, Usama Ramadan Abdelmohsen, Markus Krischke, Martin J. Muller, Amira Samir Wanas, **Samar Yehia Desoukey**, Mohamed Salah Kamel. *Natural products research*, short communication, 2020;34(18):2612-2615

54. Marine natural products from sponges (Porifera) of the order Dictyoceratida (2013 to 2019); a promising source for drug discovery (Review)

Enas Reda Abdelaleem, Mamdouh Nabil Samy, **Samar Yehia Desoukey**, Miaomiao Liu, Ronald J. Quinn and Usama Ramadan Abdelmohsen
RSC Adv., 2020, 10(57):34959-76

55. In vivo anti-inflammatory and hepatoprotective activities of *Orobancha crenata* aerial parts in relation to its phytomolecules. (Short Communication)

Safwat M. S. Abo-Qotb, Ahmed M. M. Hassanein, **Samar Y. Desoukey**, Amira S. Wanas, Heba M. Tawfik & Mohammed A. A. Orabi
Natural products research, 2022, 36(4):1067-1072

56. Multitarget in silico studies of *Ocimum menthiifolium*, family Lamiaceae against SARS-CoV-2 supported by molecular dynamics simulation

Amgad Albohy, Eman Maher Zahran, Usama Ramadan Abdelmohsen, M. Alaraby Salem, Tarfah Al-Warhi, Mohammad M. Al-Sanea, Narek Abelyan, Hany Ezzat Khalil, **Samar Yehia Desoukey**, Mostafa Ahmed Fouad & Mohamed Salah Kamel
Journal of Biomolecular Structure & Dynamics.2020:1-11

57. In vitro production of some secondary metabolites from *Cupressus sempervirens*.

Mohamed Reda Abd Almegid Abd Alhady, Reda El-Said Abo El-Fadl, Ghada Abd El-Moneim Hegazi, **Samar Yehia Desoukey**
JABPS., 2020, 3: 127-134

58. Antiproliferative potential of *Moluccella laevis* L. aerial parts family lamiaceae (labiateae), supported by phytochemical investigation and molecular docking study

Ashraf N. E. Hamed, Nousiba A. Abdelaty, Eman Z. Attia, Mohamed N. Amin, Taha F. S. Ali, Ahmed H. Afifi, Usama R. Abdelmohsen, and **Samar Y. Desoukey**
Natural products research, 2021:1-5

59. Natural metabolites from the soft coral *Nephthea* sp. as potential SARS-CoV-2 main protease inhibitors. Abdelhafez, O. H., Fahim, J. R., Mustafa, M., AboulMagd, A. M., **Desoukey, S. Y.**, Hayallah, A. M., Kamel, M. S. and Abdelmohsen, U. R.

Natural Product Research, 2022,36(11):2893-2896. doi: 10.1080/14786419.2021.1925892

60. Natural products potential of Dictyoceratida sponges-associated micro-organisms, review E.R. Abdelaleem, M.N.Samy, U.R. Abdelmohsen, **S.Y. Desoukey**.

Letters in Applied Microbiology, 2022,74(1):8-16

61. Phytochemical and biological attributes of *Narcissus pseudonarcissus* L. (Amaryllidaceae): A review. Youstina Refaat Boshra, John Refaat Fahim, Ashraf Nageeb Elsayed Hamed, **Samar Yehia Desoukey**. *South African Journal of Botany*, 2021, 146 :1-22

62. NS3 helicase inhibitory potential of the marine sponge *Spongia irregularis*.

Enas Reda Abdelaleem, Mamdouh Nabil Samy, Taha F. S. Ali, b Muhammad Mustafa, Mahmoud A. A. Ibrahim, Gerhard Bringmann, Safwat A. Ahmed, Usama Ramadan Abdelmohsen and **Samar Yehia Desoukey**.
RSC Advances, 2022, 12 :2992–3002

63. Exploring the volatile metabolites of three *Chorisia* species: comparative headspace GC–MS, multivariate chemometrics, chemotaxonomic significance, and anti-SARS-CoV-2 potential

John Refaat Fahim, Ahmed G. Darwish, Amr El Zawily, Jacob Wells, Mohammed A.S. Abourehab, **Samar Yehia Desoukey**, Eman Zekry Attia

Saudi Pharmaceutical Journal, 2023, doi: <https://doi.org/10.1016/j.jsps.2023.03.012>

64. *Narcissus pseudonarcissus* L. (Amaryllidaceae) bulbs metabolite profiling and biological activities

Youstina Refaat Boshra, Eman Zekry Attia, Ahmed G. Darwish, Maria Refaat Boshra, Mohamed N. Amin, Ashraf Nageeb Elsayed Hamed, **Samar Yehia Desoukey**, John Refaat Fahim.

South African Journal of Botany, 2023, 160:633-644

65. Phytochemical characterization and biological evaluation of *Agapanthus africanus*: A combined experimental and in silico study.

Alshymaa Abdel-Rahman Gomaa, Naglaa Ahmed Mohamed Younis, Heba A. Hofny, **Samar Yehia Desoukey**, Alyaa Hatem Ibrahim Selim.

South African Journal of Botany, 2024, 170: 297-307 <https://doi.org/10.1016/j.sajb.2024.05.026>

66. Ursolic acid inhibits NF- κ B signaling and attenuates MMP-9/TIMP-1 in progressive osteoarthritis: a network pharmacology-based analysis

Eman Maher Zahran, Soad A. Mohamad, Mohamed M. Elsayed, Mohamed Hisham, Sherif A. Maher, Usama Ramadan Abdelmohsen, Mahmoud Elrehany, **Samar Yehia Desoukey** and Mohamed Salah Kamel.

RSC Adv., 2024, 14: 18296-182310

Participation and Attendance of conferences and symposiums

Current trends in medicinal plant research and microbiological applications conducted at the faculty of Science, Alexandria University, Egypt, October 2010

Medicinal plants and their therapeutic effects symposium conducted at the faculty of Pharmacy, Beni Suef University, Egypt, April 2010

FUE International conference on pharmaceutical technologies,{ICPT} conducted at the intercontinental –City Stars, Cairo, Egypt. Feb. 2012 <http://icpt.fue.edu.eg/>

Assuit university international pharmaceutical sciences conference, faculty of pharmacy, Assuit University, Assuit, Egypt 2014

1st International Conference of Genetic Engineering and Biotechnology. ``Integrative science and biotechnology ``Sharm el Sheikh April 26-29/2016, Egypt. www.gebri.org

The International Conference of Pharmaceutical and Medical Sciences. Faculty of pharmacy, Suez Canal University, 1-2 April 2017

17th Annual International Conference on the Science of Botanicals, Oxford, MS, USA 3-6 April 2017

Participated in 4 poster entitled

- 1- Phytochemical and biological investigations of *Orobancha crenata* Forssk., Fam.: Orobanchaceae growing in Egypt.
- 2- Antimicrobial Activity of Isolated Compounds From *Abutilon Hirtum* (LAM.) Sweet leaves Cultivated in Egypt.
- 3- Metabolomics and dereplication-based identification of natural products from three Malvaceae plants.

- 4- Effect of Salicylic acid and drought stress on the secondary metabolites and gene expression of key enzymes involved in flavonoid and coumarins biosynthesis pathway in the leaves of *Ruta graveolens* L.

The 138th Annual Meeting of the Pharmaceutical Society of Japan, Kanazawa, 25-28 March 2018-
And

18th Annual International Conference on the Science of Botanicals, Oxford, MS, USA, Apr 09 - 12, 2018

New Sesquiterpene Alkaloids from *Onopordum alexandrinum* Boiss.

Attendance of workshops

TOT {training of trainers} & TOT Master Trainer workshop conducted by FLDP {Faculty and Leadership Development Project} 2004 and 2005

Also FLDP workshops for writing scientific research {R2} and for organizing a research project {R3} 2006 and effective learning {C2}2010

“Fundamentals of Bioinformatics”, July, 2011, Medical Technology Centre, University of Alexandria

“Next generation sequencing {NGS} Technologies and Applications” National Research Centre. March, 2012

“Bioinformatics workshop” Women`s College, Ain Shams University, June, 2012

“Leadership program” {communication skills, problem solving, strategic planning, decision making and quality assurance} **Ain Shams University, January 2016**

Information technology center (ITC) workshops

Statistical analysis using SPSS 17/9 to 19/9/ 2017 (ITC)

Creation of electronic personal sites 13/9/ to 14/9/2017 (ITC)

Searching international data bases and Management of scientific references 24/9 to 26/9/2017 (ITC)FLDC

University administration {L2} 11 to 1/10/ 2017

Exam systems and students assessment {T3} 30 /5 to 31/5/2018

Using technology in teaching 22/8 to 23/8/2017 {Ain Shams University}

Preparing competitive research projects 17/7 to 18/7/2017 {Ain Shams University}

Awards and prizes:-

MEPACO prize for the best MSc. study in the field of natural products in Egypt for the year 1998
Professor ABDEL AZEM HIFENY SABER prize for the best Ph.D. in {Pharmacognosy} in the Egyptian Universities for the year 2004.

Academic visit to the school of Chemistry, Bristol University, Bristol, U.K. 2008

Trials for silencing and gene knockout, to demonstrate the role of specific biosynthetic gene

Minia university prize for international publication for years: 2015, 2016, 2018, 2019 and 2020

Academic visit to National Centre for Natural products Research (NCNPR), Mississippi University, Oxford, Mississippi, USA. 2016

Memberships

Member of the Egyptian syndicate for pharmacists

The Egyptian Botanical society

Activities:

Faculty:

Ex-Head of Pharmacognosy Department

Member of the faculty council

Member of the postgraduates' affairs committee
Academic adviser for both regular and clinical pharmacy students

Department:

A member of the Pharmacognosy department committee.

Participated in the preparation and establishment of the herbarium & medicinal plants museum of the Pharmacognosy department.

Participation in the preparation and renewal of both the research lab and the students' lab.

Participating in the ordering and inspection committee for both chemicals and equipment.

Participated in the development of the course specifications and reports for both regular and clinical programs for the department.

Supervision of the research green house and farm of the Pharmacognosy department

Participation in the supervision of the students activities as:- posters, researches and presentations of students of both programs {Regular ,Pharm D, and Pharm D clinical}

Participation in the Pharmacognosy annual students` conference

Establisher of colour festival for pharmaceutical herbal preparations for undergraduate students {the phytotherapy and aromtherapy project}

Present as one of the Editorial board of JABPS {The Journal of Advanced Biomedical and Pharmaceutical Sciences}. The Academic journal of the faculty of pharmacy, Minia University

Reviewer in

Annals of agricultural sciences AOAS journal

Current Drug Targets journal

BMC Complementary Medicine and Therapies journal