CURRICULUM VITAE

Dr. John Refaat Fahim Mikhael

Associate Professor of Pharmacognosy, Pharmacognosy Department,

Faculty of Pharmacy, Minia University, Egypt.

I- Information

- **Personal Information:**

- Name: John Refaat Fahim Mikhael

- Date of Birth: March 29th, 1982

- Nationality: Egyptian

- Marital Status: Married

- Military Status: Exempt

- Home Address: Alaa El-Din, Bak Street, Minia, Egypt

- Work Address: Pharmacognosy Department, Faculty of Pharmacy, Minia University, Minia 61519, Egypt.

- Position: Lecturer

- General Specialization: Pharmacognosy and Medicinal Plants

- Specific Specialization: Chemistry of Natural Products

- **Contact Information:**

- Mobile: (+2)-01227454025

- Phone: (+2)-086-2344548 (Home); (+2)-086-2347759 (Work); (+2)-086-2335636 (Work)

- E-mail: Johnrefaat82@yahoo.com; J_refat@yahoo.com; John.michael@mu.edu.eg

II- Education

1- B.Sc. of Pharmaceutical Sciences, excellent with the degree of honour, Faculty of Pharmacy, Minia University, Egypt, 2003.

2- M.Sc. of Pharmacognosy, Faculty of Pharmacy, Minia University, Egypt, 2009, entitled "Phytochemical and biological studies of *Crinum augustum* Rox. and *Crinum asiaticum* L. family Amaryllidaceae cultivated in Egypt".

3- Ph.D. of Pharmacognosy, Faculty of Pharmacy, Minia University, Egypt, 2014, entitled "Phytochemical and biological studies of *Chorisia chodatii* Hassl. and *Chorisia speciosa* A. St.-Hil. family Bombacaceae cultivated in Egypt".

III- Positions

1- Demonstrator (2003–2009):

Pharmacognosy Department, Faculty of Pharmacy, Minia University.

2- Assistant lecturer (2009–2014):

Pharmacognosy Department, Faculty of Pharmacy, Minia University.

3- Researcher (November-December 2012):

Graduate School of Life and Environmental Sciences, Tsukuba University, Tsukuba, Japan (A two-month research grant supported by Japan Society of Promotion of Science (JSPS) under the Asia Africa Science Platform Program entitled: "Establishment of Integrative Research Base by Humanities and Sciences on Valorization of Useful Plants for Regional Development in North Africa" under the mutual co-operation with "Alliance for Research on North Africa (ARENA)", Japan).

4- Lecturer (2014–2020):

Pharmacognosy Department, Faculty of Pharmacy, Minia University.

5- Associate professor (2020–2025):

Pharmacognosy Department, Faculty of Pharmacy, Minia University.

6- Associate professor (2025 till now):

Pharmacognosy Department, Faculty of Pharmacy, Minia University.

IV- Experience

- **Teaching Experience:**

a) (2003–2014): participating in teaching the practical courses and laboratory tutorials of:

1- Medicinal plants, General Pharmacognosy, Phytochemistry, Applied Pharmacognosy, Phytotherapy, and Complementary and Alternative Medicine for 1st, 2nd, 3rd, and 4th year students, Faculty of Pharmacy, Minia University.

2- Botany and Medicinal Plants, Pharmacognosy (I), Pharmacognosy (II), Phytochemistry (I), Phytochemistry (II), Quality Control of Medicinal Plants, and Phytotherapy for students of clinical pharmacy programme, Faculty of Pharmacy, Minia University.

b) (2014 till now): participating in teaching the theoretical courses of:

1- Medicinal plants, General Pharmacognosy, Phytochemistry, Applied and Forensic Pharmacognosy, Phytotherapy, and Complementary and Alternative Medicine for 1st, 2nd, 3rd, and 4th year students, Faculty of Pharmacy, Minia University.

2- Botany and Medicinal Plants, Pharmacognosy (I), Pharmacognosy (II), Phytochemistry (I), Phytochemistry (II), Quality Control of Medicinal Plants, Phytotherapy, and Complementary and

Alternative Medicine for students of clinical pharmacy programme, Faculty of Pharmacy, Minia University.

- **Research Experience:**

1- Studying the botanical characters of plants.

2- Isolation of naturally occurring compounds from plant or marine sources using different chromatographic techniques, such as thin layer chromatography, paper chromatography, column chromatography, and high performance liquid chromatography.

3- Structure elucidation of various classes of natural products, such as alkaloids, triterpenes, sterols, phenolic compounds, flavonoids, etc. using different spectroscopic techniques, including UV, IR, 1D and 2D NMR, as well as different types of mass spectrometry.

4- Identification of the volatile constituents of plants by gas chromatography-mass spectrometry.

5- Metabolomics profiling of natural sources using liquid chromatography-mass spectrometry.

6- Biological evaluation of plant extracts and their phytoconstituents, including analgesic, anti-inflammatory, antipyretic, anti-infective, hepatoprotective, cytotoxic, antioxidant activities, etc.

- **Practical Experience:**

1- Morphological studies of medicinal plants.

2- Microscopical studies and identification of medicinal plants.

3- Preliminary phytochemical screening of different plant constituents.

4- Extraction of various active compounds from plants.

5- Organic solvent fractionation of total plant extracts.

6- Isolation and purification of active principles from plants using various chromatographic methods.

7- Determination of physical, chemical, and chromatographic properties of the isolated phytochemicals.

8- Structure elucidation of natural products using different spectroscopic techniques such as IR, UV, different tools of NMR including 1D ^{1}H- and ^{13}C-NMR, and 2D techniques such as ^{1}H-^{1}H COSY, HETCOR, HMQC, HMBC, NOESY, ROESY, TOCSY, in addition to various mass spectrometric analyses such as EI, CI, FD, FAB, ESI methods.

9- Quantification of active constituents of medicinal plants.

10- Determination of total polyphenol and flavonoidal contents of medicinal plants.

11- Preparation and GC/MS analysis of plant volatiles.

12- Preparation and analysis of the unsaponifiable matter and fatty acids content of plants using GC/MS.

13- Biological investigation of total extracts, different fractions, as well as pure compounds.

14- Investigation of the effects of plant extracts and phytoconstituents on adipogenesis using 3T3-L1 cells.

V- Publications:

1) Antifouling alkaloids from *Crinum augustum* (Amaryllidaceae).

John R. Fahim, Ahmed A. Abdel-Lateff, Mohamed S. Kamel, Ahmed A. Ali, Mahmoud A. Ramadan, Tatsufumi Okino, and Yasuyuki Nogata

Pharmacognosy Research, 1(2), 43–52 (2009).

2) GC-MS studies of *Crinum asiaticum* L. leaves and flowers.

John R. Fahim, Mohamed S. Kamel, Mahmoud A. Ramadan, and Ahmed A. Ali

Research Journal of Pharmacognosy and Phytochemistry, 3(5), 232–235 (2011).

3) Analgesic, anti-inflammatory, and antimicrobial activities of *Crinum augustum* Rox. and *Crinum asiaticum* L.

John R. Fahim, Mohamed S. Kamel, Mahmoud A. Ramadan, and Ahmed A. Ali

Research Journal of Pharmacognosy and Phytochemistry, 3(6), 289–296 (2011).

4) *Crinum*; an endless source of bioactive principles: a review. Part 1- *Crinum* alkaloids: lycorine-type alkaloids.

John R. Fahim, Mohamed S. Kamel, Mahmoud A. Ramadan, and Ahmed A. Ali

International Journal of Pharmaceutical Sciences and Research, 3(7), 1883–1890 (2012).

5) *Crinum*; an endless source of bioactive principles: a review. Part 2- *Crinum* alkaloids: crinine-type alkaloids.

John R. Fahim, Mohamed S. Kamel, Mahmoud A. Ramadan, and Ahmed A. Ali

International Journal of Pharmaceutical Sciences and Research, 3(9), 3091–3100 (2012).

6) *Crinum*; an endless source of bioactive principles: a review. Part 3- *Crinum* alkaloids: belladine-, galanthamine-, lycorenine-, tazettine-type alkaloids and other minor types.

John R. Fahim, Mohamed S. Kamel, Mahmoud A. Ramadan, and Ahmed A. Ali

International Journal of Pharmaceutical Sciences and Research, 3(10), 3630–3638 (2012).

7) *Crinum*; an endless source of bioactive principles: a review. Part 4- non-alkaloidal constituents.

John R. Fahim, Mohamed S. Kamel, Mahmoud A. Ramadan, and Ahmed A. Ali

International Journal of Pharmaceutical Sciences and Research, 4(3), 941–948 (2013).

8) *Crinum*; an endless source of bioactive principles: a review. Part 5- biological profile.

John R. Fahim, Mohamed S. Kamel, Mahmoud A. Ramadan, and Ahmed A. Ali

International Journal of Pharmaceutical Sciences and Research, 4(4), 1239–1252 (2013).

9) Bombacaceae: A phytochemical review.

John R. Fahim, Samar Y. Desoukey, Mahmoud A. Ramadan, and Mohamed S. Kamel

Pharmaceutical Biology, 51(1), 100–130 (2013).

10) Bombacaceae between the ethnomedical uses and pharmacological evidences: A review.

John R. Fahim, Samar Y. Desoukey, Mahmoud A. Ramadan, and Mohamed S. Kamel

The Natural Products Journal, 4(4), 254–270 (2014).

11) Comparative polyphenol contents, DPPH radical scavenging properties, and effects on adipogenesis of *Chorisia chodatii* and *Chorisia speciosa*.

John R. Fahim, Samar Y. Desoukey, Mahmoud A. Ramadan, Mohamed S. Kamel, Junkyu Han, and Hiroko Isoda

Journal of Herbal Drugs, 5(4), 193–207 (2015).

12) Chemical constituents from *Chorisia chodatii* flowers and their biological activities.

John R. Fahim, Mamdouh N. Samy, Samar Y. Desoukey, Mahmoud A. Ramadan, Sachico Sugimoto, Katsuyoshi Matsunami, and Mohamed S. Kamel

Medicinal Chemistry Research, 24(7), 2939–2949 (2015).

13) Rhoifolin: A review of sources and biological activities.

John R. Fahim, Samar Y. Desoukey, Mahmoud A. Ramadan, and Mohamed S. Kamel

International Journal of Pharmacognosy, 2(3), 102–109 (2015).

14) Production of rhoifolin and tiliroside from callus cultures of *Chorisia chodatii* and *Chorisia speciosa*

John R. Fahim, Ghada A. Hegazi, Reda E. Abo El-Fadl, Mohamed R. A. Abd Alhady, Samar Y. Desoukey, Mahmoud A. Ramadan, and Mohamed S. Kamel

Phytochemistry Letters, 13, 218–227 (2015).

15) Biological evaluation of *Chorisia chodatii* Hassl. and *Chorisia speciosa* A. St. Hil.

John R. Fahim, Samar Y. Desoukey, Mahmoud A. Ramadan, Mohamed S. Kamel, Junkyu Han, and Hiroko Isoda

The annual book of Alliance for Research on North Africa (ARENA), Tsukuba University, Ibaraki, Japan, 4–18 (2013).

16) Botanical studies of the leaf of *Melissa officinalis* L., Family: Labiatae, cultivated in Egypt.

Waleed A. Abdel-Naime, **John R. Fahim**, Mostafa A. Fouad, and Mohamed S. Kamel

Journal of Pharmacognosy and Phytochemistry, 5(6), 98–104 (2016).

17) Chodatiionosides A and B: two new megastigmane glycosides from *Chorisia chodatii* leaves".

Mamdouh N. Samy, **John R. Fahim**, Sachiko Sugimoto, Hideaki Otsuka, Katsuyoshi Matsunami, and Mohamed S. Kamel

Journal of Natural Medicines, 71(1), 321–328 (2017).

18) The Genus *Rhodococcus* as a source of novel bioactive substances: A review.

Yasmin Elsayed, **John R. Fahim**, Usama R. Abdelmohsen, and Mostafa A. Fouad.

Journal of Pharmacognosy and Phytochemistry, 6(3) 83–92 (2017).

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

Omnia H. Abdel Hafez, **John R. Fahim**, Usama R. Abdelmohsen, and Samar Y. Desoukey

Journal of Pharmacognosy and Phytochemistry, 6(3), 149–153 (2017).

20) Rhodozepinone, a new antitrypanosomal azepino-diindole alkaloid from the marine sponge-derived bacterium *Rhodococcus* sp. UA13.

Yasmin Elsayed, **John R. Fahim**, Usama R. Abdelmohsen, Safwat Ahmed, Mostafa A. Fouad

Medicinal Chemistry Research, 26(11), 2751–2760 (2017).

21) Metabolomic profiling and biological investigation of the marine sponge-derived bacterium *Rhodococcus* sp. UA13.

Yasmin Elsayed, **John R. Fahim**, Usama R. Abdelmohsen, Eman M. Othman, Helga Stopper, and Mostafa A. Fouad

Phytochemical Analysis, 29(6), 543–548 (2018).

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

Omnia H. Abdelhafez, Michael A.Fawzy, **John R. Fahim**, Samar Y. Desoukey, Markus Krischke, Martin J. Mueller, and Usama R. Abdelmohsen

PLoS ONE, 13(8), e0202362 (2018).

23) An overview on the chemical and biological aspects of lycorine alkaloid.

Marwa F. Khalifa, Eman Z. Attia, **John R. Fahim**, and Mohamed S. Kamel

Journal of Advanced Biomedical and Pharmaceutical Sciences, 1(2), 41–49 (2018).

24) The phenolic profile of pea (*Pisum sativum*): a phytochemical and pharmacological overview.

John R. Fahim, Eman Z. Attia, and Mohamed S. Kamel

Phytochemistry Reviews, 18(1), 173-198 (2019).

25) Recent updates on corals from Nephtheidae.

Omnia H. Abdelhafez, **John R. Fahim**, Samar Y. Desoukey, Mohamed S. Kamel, and Usama R. Abdelmohsen

Chemistry and Biodiversity, 16, e1800692 (2019).

26) Antibacterial, antifungal, and GC–MS studies of *Melissa officinalis*.

Waleed A. Abdel-Naime, **John R. Fahim**, Mostafa A. Fouad, and Mohamed S. Kamel
South African Journal of Botany, 124, 228–234 (2019).

27) New antimicrobial triterpene glycosides from lemon balm (*Melissa officinalis*).
Waleed A. Abdel-Naime, **John R. Fahim**, Usama R. Abdelmohsen, Mostafa A. Fouad, Khaled O. Al-Footy, Ahmed A. Abdel-Lateff, and Mohamed S. Kamel
South African Journal of Botany, 125, 161–167 (2019).

28) Metabolomics analysis and biological investigation of three Malvaceae plants.
Omnia H. Abdelhafez, Eman M. Othman, **John R. Fahim**, Samar Y. Desoukey, Sheila M. Pimentel-Elardo, Justin R. Nodwell, Tanja Schirmeister, Ahmed Tawfike, and Usama R. Abdelmohsen
Phytochemical Analysis, 31(2), 204–214 (2020).

29) Botanical studies on the stem and root of *Melissa officinalis* L. (lemon balm).
Waleed A. Abdel-Naime, **John R. Fahim**, Mostafa A. Fouad, and Mohamed S. Kamel
Journal of Advanced Biomedical and Pharmaceutical Sciences, 3(4), 184–189 (2020).

30) Thalassosterol, a new cytotoxic aromatase inhibitor ergosterol derivative from the red sea seagrass *Thalassodendron ciliatum*.
Reda F. A. Abdelhameed, Eman S. Habib, Marwa S. Goda, **John R. Fahim**, Hashem A. Hassanean, Enas E. Eltamany, Amany K. Ibrahim, Asmaa M. AboulMagd, Shaimaa Fayez, Adel M. Abd El-kader, Tarfah Al-Warhi, Gerhard Bringmann, Safwat A. Ahmed, and Usama R. Abdelmohsen
Marine Drugs, 18(7), 354 (2020).

31) Anti-inflammatory potential of green synthesized silver nanoparticles of the soft coral *Nephthea* sp. supported by metabolomics analysis and docking studies.
Omnia H. Abdelhafez, Taha F. S. Ali , **John R. Fahim**, Samar Y. Desoukey , Safwat Ahmed, Fathy A. Behery, Mohamed S. Kamel, Tobias A. M. Gulder, and Usama R. Abdelmohsen
International Journal of Nanomedicine, 15, 5345–5360 (2020).

32) Macro- and microscopical characterization of the stem and flowers of *Malvaviscus arboreus* Cav. (Malvaceae).
Omnia H. Abdelhafez, **John R. Fahim**, Usama R. Abdelmohsen, and Samar Y. Desoukey
Journal of Advanced Biomedical and Pharmaceutical Sciences, 3(4), 198–205 (2020).

33) Mitochondrial targeting in an anti-austerity approach involving bioactive metabolites isolated from the marine-derived fungus *Aspergillus* sp.
Waleed A. Abdel-Naime, Atsushi Kimishima, Andi Setiawan, **John R. Fahim**, Mostafa A. Fouad, Mohamed S. Kamel, and Masayoshi Arai
Marine Drugs, 18(11), 555 (2020).

34) GC–MS analysis of fatty acids of *Malvaviscus arboreus* leaves.

Omnia H. Abdelhafez, **John R. Fahim**, Usama R. Abdelmohsen, and Samar Y. Desoukey

Journal of Advanced Biomedical and Pharmaceutical Sciences, 4(1), 12–15 (2020).

35) Anti-diabetic potential of mucilage from *Hippeastrum vittatum* bulbs in streptozotocin-induced diabetic rats.

Eman Z. Attia, Marwa F. Khalifa, **John R. Fahim**, and Mohamed S. Kamel

South African Journal of Botany, 136, 100–104 (2021).

36) Chemical and biological investigation of the marine bacterium *Rhodococcus* sp. UA13.

Yasmin Elsayed, **John R. Fahim**, Usama R. Abdelmohsen, and Mostafa A. Fouad

Journal of Advanced Biomedical and Pharmaceutical Sciences, 4(1), 1–6 (2021).

37) Headspace volatiles of the leaves and flowers of *Malvaviscus arboreus* Cav. (Malvaceae).

Omnia H. Abdelhafez, **John R. Fahim**, Usama R. Abdelmohsen, and Samar Y. Desoukey

Journal of the Mexican Chemical Society, 65(1), 141–148 (2021).

38) Anti-dormant mycobacterial activity of *Melissa officinalis* L. (Lemon balm).

Waleed A. Abdel-Naime, **John R. Fahim**, Mostafa A. Fouad, Masayoshi Arai, and Mohamed S. Kamel

Journal of Advanced Biomedical and Pharmaceutical Sciences, 4(2), 95–97 (2021).

39) New glucose-6-phosphate dehydrogenase inhibitor from the Red Sea sponge *Echinoclathria* sp.

Reda F. A. Abdelhameed, Eman S. Habib, Nermeen A. Eltahawy, Hashim A. Hassanean, Amany K. Ibrahim, **John R. Fahim**, Ahmed M. Sayed, Omnia M. Hendawy, Usama R. Abdelmohsen, and Safwat A. Ahmed

Tetrahedron Letters, 72, 152986 (2021).

40) Phytochemical investigation of *Amphilophium paniculatum*; an underexplored Bignoniaceae species as a source of SARS-CoV-2 M^{pro} inhibitory metabolites: Isolation, identification, and molecular docking study.

Mamdouh N. Samy, Eman Z. Attia, Mai E. Shoman, Hany E. Khalil, Sachiko Sugimoto, Katsuyoshi Matsunami, and **John R. Fahim**

South African Journal of Botany, 141, 421–430 (2021).

41) Chemical and biological potential of *Ammi visnaga* (L.) Lam. and *Apium graveolens* L.: A review (1963-2020).

Shereen S. T. Ahmed, **John R. Fahim**, Usama R. Abdelmohsen, and Ashraf N. E. Hamed

Journal of Advanced Biomedical and Pharmaceutical Sciences, 4(3), 160–176 (2021).

42) A review on the chemical and biological properties of the Amaryllidaceae alkaloid, narciprimine (1968-2020).

Youstina R. Boshra, **John R. Fahim**, Ashraf N. E. Hamed, and Samar Y. Desoukey

Journal of Advanced Biomedical and Pharmaceutical Sciences, 4(3), 182–185 (2021).

43) Cytotoxic potential of *Allium sativum* L. roots and their green synthesized nanoparticles supported with metabolomics and molecular docking analyses.

Shereen S.T. Ahmed, **John R. Fahim**, Khayrya A. Youssif, Mohamed N. Amin, Hossam M.H. Abdel-Aziz, Alexander O. Brachmann, Jorn Piel, Usama R. Abdelmohsena, and Ashraf N. E. Hamed

South African Journal of Botany, 142, 131–139 (2021).

44) Chemical and biological studies on the soft coral *Nephthea* sp.

Omnia H. Abdelhafez, **John R. Fahim**, Ramy R. El-Masri, M. Alaraby Salem, Samar Y. Desoukey, Safwat Ahmed, Mohamed S. Kamel, Sheila M. Pimentel-Elardo, Justin R. Nodwell, and Usama R. Abdelmohsen

RSC Advances, 11, 23654–23663 (2021).

45) Natural metabolites from the soft coral *Nephthea* sp. as potential SARS-CoV-2 main protease inhibitors.

Omnia H. Abdelhafez, **John R. Fahim**, Muhamad Mustafa, Asmaa M. AboulMagd, Samar Y. Desoukey, Alaa M. Hayallah, Mohamed S. Kamel, and Usama R. Abdelmohsen

Natural Product Research, 36(11), 2893-2896 (2022).

46) Chemical and biological studies on *Allium sativum* L. (1952-2020): A comprehensive review.

Shereen S. T. Ahmed, **John R. Fahim**, Usama R. Abdelmohsen, and Ashraf N. E. Hamed

Journal of Advanced Biomedical and Pharmaceutical Sciences, 5(1), 1–22 (2022).

47) Phytochemical and biological attributes of *Narcissus pseudonarcissus* L. (Amaryllidaceae): A review.

Youstina R. Boshra, **John R. Fahim**, Ashraf N. E. Hamed, and Samar Y. Desoukey

South African Journal of Botany, 146, 437–458 (2022).

48) Metabolomics of the secondary metabolites of *Ammi visnaga* L. roots (family Apiaceae) and evaluation of their biological potential.

Shereen S.T. Ahmed, **John R. Fahim**, Khayrya A. Youssif, Asmaa M. AboulMagd, Mohamed N. Amin, Usama R. Abdelmohsen, and Ashraf N. E. Hamed

South African Journal of Botany, 149, 860–869 (2022).

49) Cytotoxic potential of *Nephthea* sp.-derived actinomycetes supported by metabolomics analysis.

Omnia H. Abdelhafez, **John R. Fahim**, Mostafa E. Rateb, Che J. Ngwa, Gabriele Pradel, Usama R. Abdelmohsen, Samar Y. Desoukey, Mohamed S. Kamel

Natural Product Research, 36(24), 6464–6469 (2022).

50) Comparative study of the chemical composition and anti-proliferative activities of the aerial parts and roots of *Apium graveolens* L. (celery) and their biogenic nanoparticles.

Shereen S.T. Ahmed, **John R. Fahim**, Khayrya A. Youssif, Mohamed N. Amin, Hossam M.H. Abdel-Aziz, Ibrahim A. Khadra, Mostafa E. Rateb, Usama R. Abdelmohsena, and Ashraf N. E. Hamed

South African Journal of Botany, 151 (Part B), 34–45 (2022).

51) In vitro cytotoxic potential of *Nephthea* sp. and its silver nanoparticles against hepatic and colon cancer cells assisted with molecular docking studies.

Omnia H. Abdelhafez, **John R. Fahim**, Asmaa M. AboulMagd, Usama R. Abdelmohsen, Samar Y. Desoukey, and Mohamed S. Kamel

Journal of Advanced Biomedical and Pharmaceutical Sciences, 6(2), 86–89 (2023).

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

John R. Fahim, Ahmed G. Darwish, Amr El Zawily, Jacob Wells, Mohammed A.S. Abourehab, Samar Y. Desoukey, and Eman Z. Attia

Saudi Pharmaceutical Journal, 31(5), 706–726 (2023).

53) Wound healing potential of *Narcissus pseudonarcissus* L. bulbs supported with chemical and molecular docking investigations

Youstina R. Boshra, Yaser A. Mostafa, Ashraf N. E. Hamed, Samar Y. Desoukey, and **John R. Fahim**,

South African Journal of Botany, 157, 490–501 (2023).

54) Anti-HCV potential of the medicinal roots of khella and celery plants.

Shereen S.T. Ahmed, **John R. Fahim**, Usama R. Abdelmohsena, and Ashraf N. E. Hamed

Journal of Advanced Biomedical and Pharmaceutical Sciences, 6(3), 145–149 (2023).

55) Studies on the non-alkaloidal secondary metabolites of *Hippeastrum vittatum* (L'Her.) Herb. bulbs.

Marwa F. Khalifa, **John R. Fahim**, Ahmed Allam, Mai Shoman, Amr El Zawily, Mohamed S. Kamel, Kuniyoshi shimizu, and Eman Z. Attia

ACS Omega, 8(30), 26749–26761 (2023).

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

Youstina R. Boshra, Eman Z. Attia, Ahmed G. Darwish, Maria R. Boshra, Mohamed N. Amin, Ashraf N. E. Hamed, Samar Y. Desoukey, and **John R. Fahim**

South African Journal of Botany, 160, 633–644 (2023).

57) Phytochemical and biological properties of the genus *Chorisia*: A review.

Engy S. Ibrahem, **John R. Fahim**, Mamdouh N. Samy, and Mohamed S. Kamel

Journal of Advanced Biomedical and Pharmaceutical Sciences, 6(4), 188–222 (2023).

58) Phytochemical and biological profiles of the genus *Phragmites* (Family Poaceae): A review.

Omnia Y. Farouk, **John R. Fahim**, Eman Z. Attia, and Mohamed S. Kamel

South African Journal of Botany, 163, 659–672 (2023).

59) Aromatic carboxylic acid esters and cytotoxic potential of *Narcissus pseudonarcissus*.

Youstina R. Boshra, **John R. Fahim**, Ahmed G. Darwish, Ashraf N. E. Hamed, and Samar Y. Desoukey

Chemistry Africa, 7, 1165–1171 (2024).

60) The nitrogenous metabolites of pea (*Pisum sativum* L.): a phytochemical and pharmacological overview.

John R. Fahim

South African Journal of Botany, 175, 426–435 (2024).

61) Chemical and biological investigation of *Ceiba chodatii* Hassl. flowers.

Engy S. Ibrahem, **John R. Fahim**, Ahmed G. Darwish, Mamdouh N. Samy, Samar Y. Desoukey, Mohamed S. Kamel, Samir A. Ross

Chemistry, 7(1), 24 (2025).

62) Hepatoprotective potential of *Ceiba chodatii* Hassl. against carbon tetrachloride-induced chronic liver damage supported with phytochemical investigation.

John R. Fahim, Mamdouh N. Samy, Engy S. Ibrahem, Michael A. Fawzy, Entesar A. Saber, Mohamed S. Kamel, Sachiko Sugimoto, Katsuyoshi Matsunami, Eman Z. Attia

Fitoterapia, 106466 (2025).

VI- Conferences

1- **Two new megastigmane glycosides from *Chorisia chodatii* leaves.**

Mamdouh N. Samy, **John R. Fahim**, Sachiko Sugimoto, Katsuyoshi Matsunami, Hideaki Otsuka, and Mohamed S. Kamel.

The 62nd Annual Meeting of the Japanese Society of Pharmacognosy, Gifu, Japan, 11th -12th September, 2015.

2- **Absolute stereochemistry of a rearranged megastigmane glycoside from *Chorisia chodatii* leaves.**

Mamdouh N. Samy, **John R. Fahim**, Hideaki Otsuka, Mohamed S. Kamel, and Katsuyoshi Matsunami.

The 63rd Annual Meeting of the Japanese Society of Pharmacognosy, Toyama, Japan, 24th-25th September, 2016.

3- **Metabolomics and dereplication-based identification of natural products from three Malvaceae plants.**

Omnia Hesham AbdelHafez, **John Refaat Fahim,** Usama Ramadan Abdelmohsen, Amira Samir Wanas, and Samar Yehia Desoukey

The 17th Annual International Conference on the Science of Botanicals, Mississippi, USA, 3rd – 6th April, 2017.

4- **Metabolomic profiling and green synthesized silver nanoparticles to study cytotoxic activity of *Ammi visnaga* roots using different cell lines.**

Shereen S.T. Ahmed, **John Refaat Fahim**, Khayrya A. Youssif, Asmaa M. AboulMagd, Mohamed N. Amin, Usama R. Abdelmohsena, and Ashraf N. E. Hamed

The 12th International Pharmaceutical Sciences Conference: "Pharmaceutical Sciences between Research and Application", Faculty of Pharmacy, Assiut University. Assiut, Egypt, November, 2020.

5- ***In-vitro* anti-inflammatory and GC-MS studies of *Phragmites communis* rhizomes**.

Omnia Yehia Farouk, **John Refaat Fahim**, Eman Zekry Attia, Ahmed G. Darwish, Mamdouh Nabil Samy, Mohamed Salah Kamel

The 3rd International Conference on Pharmaceutical, Biological Sciences and Applied Chemistry: "The social and developmental role of pharmacy within the framework of Egypt's Vision 2030", Deraya University, Minia, Egypt, December, 2023.

6- **The phytochemistry and biological activities of *Crinum augustum* Rox.: A review**

Hend Gamal Hussien, Nada Mohamed Ahmed, **John Refaat Fahim**, Samar Yehia Desoukey

Minia Pharmacy Scientific Conference (MPSC): "Future Approaches in Pharmaceutical Sciences", Minia University, Minia, Egypt, 25-26 September 2024.

VII- Workshops

Attended and successfully completed the following workshops of the Faculty and Leadership Development Center (FLDC) and Information Technology, Minia University, Egypt:

1- Skills of Thinking (July 2005).

2- Code of Ethics (August 2005).

3- Skills of Effective Communication (May 2007).

4- Skills of Effective Presentation (May 2007).

5- Skills of Effective Teaching (June 2007).

6- Quality Assurance and Accreditation (June 2007).

7- Organization of Scientific Conferences (June 2009).

8- International Scientific Publishing (July 2009).

9- Applying Technology in Teaching (July 2009).

10- Systems of Exams and Students evaluation (July 2009).

11- Meetings and Time Management (July 2009).

12- Strategic Planning (October 2009).

13- EndNote (January 2015).

14- Design of Personal Websites (April 2019).

15- Advanced Power Point (April 2019).

16- University Management (June 2019).

17- Credit Hours System (July 2019).

18- Legal and Financial Aspects in University Environment (August 2019).

19- Dealing with students with special needs (June 2022).

20- Design of Personal Websites (September 2022).

21- Combating corruption (September 2022).

22- Ethics of scientific research and international publishing (November 2022).

23- Statistical Analysis using SPSS (August 2023).

24- EndNote (July 2024).