

Curriculum Vitae



Name	Jihan Mohamed Badr Ibrahim
Date of Birth	July 16, 1965
Citizenship	Egyptian
Marital Status	Married
Language Proficiency	Arabic, English
Appointment	Professor, Department of Pharmacognosy, Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt
E-mail	ijhanbadr2010@hotmail.com gihan96@hotmail.com
Address	No 4, Saint Geini street, Alexandria, Egypt.
Mobile number	00201091332451

Academic and Professional Qualifications

Bachelor Degree in Pharmaceutical Science, Alexandria University, Egypt (1987).

Master Degree in Pharmaceutical Sciences (Pharmacognosy), Alexandria University, Egypt (1999).

Title of the thesis: " Further investigation on the quinonoid contents of *Crucianella maritima* L. growing in Egypt"

Ph.D. Degree in Pharmaceutical Sciences (Pharmacognosy), Alexandria University, Egypt (2003).

Title of the thesis: " Further investigation on the chemical constituents of *Crucianella maritima* L. growing in Egypt".

Working Experience and Positions held

1987-2004: Research Pharmacist, Pharmacognosy Department, Alexandria University, Egypt.

2004-2009: Lecturer, Pharmacognosy Department, Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt.

2010 – 2016: Associate Professor, Natural Products Department, Faculty of Pharmacy, King Abdulaziz University, Jeddah, Saudi Arabia.

Current: Professor, Head of Pharmacognosy Department, Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt.

Current : Chief editor of the journal “Records of pharmaceutical and biomedical sciences”

Main Research Topics

- 1- Discovery of pharmacologically active natural metabolites.
- 2- Isolation of active metabolites from natural sources using different chromatographic techniques
- 3- Structure elucidation of active metabolites isolated from natural products based on different spectroscopic techniques.
- 4- Marine natural products: isolation and structure elucidation.
- 5- Analysis of the main constituents of naturally derived metabolites in medicinal plants and in pharmaceutical preparation.

Teaching Experience

- 1- Teaching of practical courses in Pharmacognosy and Applied Pharmacognosy for the First, Second and Fourth year (1988- 2004).
- 2- Participated in the teaching of Pharmacognosy for the first year students ; general introduction, leaves, flowers, barks, woods (2004 – 2009).
- 3- Participated in the teaching of Pharmacognosy for the second year students; fruits, herbs (2004 – 2009).
- 4- Participated in the teaching of Phytochemistry for the third year students; chromatography (2008 – 2009).
- 5- Participated in the teaching of Applied Pharmacognosy for the fourth year students; spectroscopy (2008 – 2009).
- 6- Participated in the teaching of Pharmacognosy for the Clinical Pharmacy students (PG202); leaves, flowers, barks, woods (2007 – 2009).
- 7- Participated in the teaching of Pharmacognosy for the Clinical Pharmacy students (PG303); fruits, herbs, seeds, roots, rhizomes, unorganized drugs (2008 – 2009).

- 8- Participated in the teaching of Spectroscopy courses for the Graduated students (2004 – 2007).
- 9- Participated in the teaching of Plant Taxonomy & Phytochemical screening for the Graduated students (2008 – 2009).
- 10- Teaching the introduction to Pharmacognosy for the third year students in Faculty of Pharmacy, King Abdulaziz University (2009 – 2012).
- 11- Teaching Pharmacognosy (flowers, barks, subterranean organs) for the third year students in Faculty Of Pharmacy, King Abdulaziz University (2009 – 2012).
- 12- Teaching the tumor inhibitor natural products for the third year students in Faculty of Pharmacy, King Abdulaziz University (2009 – 2012).
- 13- Teaching Phytochemistry (carbohydrates) for the fourth year students in Faculty of Pharmacy, King Abdulaziz University (2009 – 2015).
- 14- Teaching Phytochemistry (Glycosides) for the fourth year students in Faculty of Pharmacy, King Abdulaziz University (2009 – 2015).
- 15- Teaching Phytochemistry (volatile oils) for the fourth year students in Faculty of Pharmacy, King Abdulaziz University (2009 – 2015).
- 16- Teaching Applied Pharmacognosy (structure elucidation and spectroscopic techniques) for the fourth Year students in Faculty of Pharmacy, King Abdulaziz University (2009 – 2015).
- 17- Teaching Structure Elucidation of Natural Products for the Graduated students in Faculty of Pharmacy, King Abdulaziz University (2012 – 2014).
- 18- Teaching Selected Topics in Recent Advances in the Field of Natural Products for the Graduated students in Faculty of Pharmacy, King Abdulaziz University (2012 – current).
- 19- Teaching herbal medicine (digestive, respiratory, renal systems) for fourth year students in Faculty of Pharmacy, King Abdulaziz University (2012 – 2015).
- 20- Teaching herbal medicine (digestive, respiratory, renal systems, hepatoprotective, hypoglycemic, Antiobesity, antirheumatic) for third year students in Faculty of Pharmacy, King Abdulaziz University (2015 – 2015).
- 21- Teaching Phytochemistry (volatile oils, resins, bitter principles) for third year students, Faculty of Pharmacy, Suez Canal University (2016-Current).
- 22- Teaching Phytotherapy course (digestive, respiratory, hepatoprotective, reproductive) for fourth year

- students, Faculty of Pharmacy, Suez Canal University (2017-2019).
- 23- Teaching medicinal plants course for first year students, Faculty of Pharmacy, Suez Canal University (2017- Current).
- 24- Teaching Herbal Medicine and Aromatherapy for postgraduate students, Faculty of Pharmacy, Suez Canal University (2017- Current).
- 25- Teaching nutraceutical course for Professional Master of Clinical Nutrition students, Faculty of Pharmacy, Suez Canal University (2020- Current).
- 26- Teaching functional food course for Diploma of Clinical Pharmacy students, Faculty of Pharmacy, Suez Canal University (2020- Current).
- 27- Teaching Therapeutic Nutrition (1) course for Professional Master of Clinical Nutrition students, Faculty of Pharmacy, Suez Canal University (2020- Current).
- 28- Teaching Scientific Writing course for postgraduate students, Faculty of Pharmacy, Suez Canal University (2019- Current).

Conferences

- 1- Conference of the Pharmaceutical Society of Egypt, Cairo, Egypt.
- 2- The 1st International Congress of Pharmaceutical & drug Industries Division, Cairo, Egypt.
- 3- *BioVision* 2008, Held during 12 – 16 April 2008, Alexandria, Egypt.
- 4- 1st Euro-Mediterranean Conference on Marine Natural Products, Held during 31st October – 4th November 2008, Sharm El-Sheikh, Egypt.
- 5- Egyptian Pharmaceutical Society XXXI Conference of Pharmaceutical Sciences, Held in December 2008, Cairo, Egypt.
- 6- *BioVision* Alexandria 2012, Held during April 2012, Alexandria, Egypt.
- 7- *BioVision* Alexandria 2014, Held during April 2014, Alexandria, Egypt.
- 8- 23^o Silae Congress” [23^o Scientific Italo-Latinamerican Asian & African Congress of Ethnomedicine], held during 7/9/2014 to 12/9/2014, Marsala, Italy.
9. *First PUA International Conference* on “Advances in Pharmaceutical Sciences” held during 27-29 October 2015, Alexandria, Egypt.
10. *First international conference for pharmaceutical and medical sciences* organized by Faculty of pharmacy, Suez Canal University held during 1-2 April 2017 in Cairo, Egypt.

11. *First Clinical Pharmacy Conference* held during 25 November 2017, Suez Canal University, Ismailia, Egypt.
12. *Fourth annual student conference* organized by faculty of pharmacy, Suez Canal University held during 2 April 2018, Ismailia, Egypt.
13. *The first annual conference for post graduate* organized by faculty of pharmacy, Suez Canal University held during 4 December 2018, Ismailia, Egypt.
14. *6th International Conference and Exhibition on Natural Products and Medicinal Plants Research* (Natural Products 2019) during June 24-25, 2019 at Vienna, Austria
15. *"1st Pharmaceutical and Healthcare Sciences"* held on November 6-7, 2019 at Hilton Green-Plaza, Alexandria, Egypt.
16. 2nd conference of the Faculty of Pharmacy, Suez Canal University "Phramaceuticals used in internal medicine" held on 8-9th December, 2019, Ismailia, Egypt.
17. *"2nd Pharmaceutical and Healthcare Sciences"* held on November 23-24, 2022 at Hilton Green-Plaza, Alexandria, Egypt.

Seminars and workshops

- 1- Attending the program of "Teaching evaluation" held at University Education Development Center at Suez Canal University during 18 /4/ 2007 – 21/ 4/ 2007.
- 2- Attending the program of "Applying technology in teaching" held at University Education Development Center at Suez Canal University during 12 /4/ 2007 – 15/ 4/ 2007.
- 3- Attending the program of "Skills of communication" held at University Education Development Center at Suez Canal University during 29 /6/ 2005 – 3/ 7/ 2005.
- 4- Attending the program of "Thinking skills" held at University Education Development Center at Suez Canal University during 15 /6/ 2005 – 19/ 6/ 2005.
- 5- Attending the program of "Job Ethics" held at University Education Development Center at Suez Canal University during 21 /2/ 2006– 23/ 2/ 2006.
- 6- Attending the program of "New trends in Teaching" held at University Education Development Center at Suez Canal University during 14 /2/ 2006 – 16/ 2/ 2006.

- 7- Attending the program of "Education enhancement of Pharmacy courses" held at University Education Development Center at Suez Canal University during 10 /9/ 2007.
- 8- Attending "Production Academic Forum" held at University Education Development Center at King Abdul Aziz University during 11 /11/ 2009.
- 9- Attending "First Scientific meeting of health Sciences Colleges for girls" held at King Fahd Center for Medical Research, King Abdul Aziz University during 8 /6/ 2010.
- 10- Attending the program of "Skills of communication in conversation" held at Community service and continuous education, King Abdul Aziz University held on 30 /10/2010.
- 11- Attending "Production Academic Forum" held at University Education Development Center at King Abdul Aziz University during 22 /12/ 2010.
- 12- Attending workshop of " Database MD Consult" at King Abdul Aziz University held on 23 /10/2011.
- 13- Attending "Production Academic Forum" held at University Education Development Center at King Abdul Aziz University during 14 /12/ 2011.
- 14- Attending workshop of Database "science direct . scopus. sage. gale) " held at King Fahd Center for Medical Research, King Abdul Aziz University during 6 /12/ 2011.
- 15- Attending workshop of "Program and course ILO's" held at Smart room, faculty of Pharmacy, King Abdul Aziz University on 7 /1/ 2012.
- 16- Attending workshop of "Assessment Made Easy " held at Smart room, faculty of Pharmacy, King Abdul Aziz University on 26 /2/ 2012.
- 17- Attending workshop of Database "SDL site" held at King Fahd Center for Medical Research, King Abdul Aziz University during 10-11/3/ 2012.
- 18- Attending workshop of "How to prepare your ILO's & liaisons between assessment and course ILO's" held at Lecture room, faculty of Pharmacy, King Abdul Aziz University on 25 /4/ 2012.
- 19- Attending workshop of "Saudi Digital Library & ISI WEB of Knowledge" Health College Library, building 13, King Abdul Aziz University on 18 /12/ 2012.
- 20- Attending "Production Academic Forum" held at University Education Development Center at King Abdul Aziz University on 19 /12/ 2012.
- 21- Attending "Production Academic Forum" held at University Education Development Center at King Abdul Aziz University on 6 /2/ 2014.

- 22- Attending a workshop of “OSCE & OSPE” held at Faculty of Pharmacy at King Abdul Aziz University on 17/2/ 2013.
- 23- Attending a workshop of “Active blackboard” held at Center for Distance Education at King Abdul Aziz University on 6-7/4/ 2014.
- 24- Attending a workshop of “Transdermal drug delivery systems: promising applications” held at Faculty of Pharmacy at King Abdul Aziz University on 16/9/ 2014.
- 25- Attending a workshop “Designing research studies” held at Center for teaching and learning development on 3-4/11/2014.
- 26- Attending a workshop of “Marine Biotechnology & Drug Discovery” held at Faculty of Pharmacy, King Abdul Aziz University on 10/11/ 2014.
- 27- Attending a workshop of “Marine Cyanobacteria in Drug Discovery” held at Faculty of Pharmacy, King Abdul Aziz University on 11/11/ 2014.
- 28- Attending a workshop of “Symbiosis & Marine Microbial Natural Products” held at Faculty of Pharmacy, King Abdul Aziz University on 12/11/ 2014.
- 29- Attending a training course of “Organizing scientific conferences” held at faculty and leadership developing center at Alexandria University on 19-20/1/2015.
- 30- Attending a training course of “Quality standards in education” held at faculty and leadership developing center at Alexandria University on 21-22/1/2015.
- 31- Attending a training course of “Research team management” held at faculty and leadership developing center at Alexandria University on 28-29/1/2015.
- 32- Attending a training course of “International publishing of research” held at faculty and leadership developing center at Alexandria University on 25-26/3/2015.
- 33- Attending a training course of “Strategic planning” held at faculty and leadership developing center at Alexandria University on 24-25/10/2015.
- 34- Attending a training course of “University legal and financial aspects” held at faculty and leadership developing center at Alexandria University on 28-29/10/2015.
- 35- Attending the workshop entitled “Recent advanced techniques for general analysis and green technology” held at Faculty of Veterinary Medicine, Suez Canal University, on 24/2/2020

Awards

1. The best poster award from the *1st Euro-Mediterranean Conference on Marine Natural Products*, Held during 31st October – 4th November, 2008. Title of the poster: “Chemical and Pharmacological investigation of the Red Sea sponge *Pseudoceratina arabica*”
2. Award from Suez Canal University for the excellent research articles in the year 2007 for the research article entitled “Determination of lawsone in henna powders using HPTLC”.
3. Award from Suez Canal University for the excellent research articles in the year 2008 for the research article entitled “Phytochemical and antimicrobial investigation of latex from *Euphorbia abyssinica* Gmel.”
4. Award from King Abdulaziz University for the excellent research articles in the year 2012 for the research article entitled “First Detailed Quantification of Silymarin Components in the Leaves of *Silybum marianum* Cultivated in Egypt during Different Growth Stages
5. Award from King Abdulaziz University for the excellent research articles in the year 2012 for the research article entitled “ Application of high performance thin layer chromatography for determination of nicotine in different brands of cigarettes”
6. Award from King Abdulaziz University for the excellent research articles in the year 2013 for the research article entitled “A validated high performance thin layer chromatography method for determination of yohimbine hydrochloride in pharmaceutical preparations”
7. Award from King Abdulaziz University for the excellent research articles in the year 2013 for the research article entitled “Loranthin: A new polyhydroxylated flavanocoumarin from *Plicosepalus acacia* with significant free radical scavenging and antimicrobial activity”
8. Award from King Abdulaziz University for the excellent research articles in the year 2014 for the research article entitled “Didemnaketals D and E, bioactive terpenoids from a Red Sea ascidian *Didemnum* species”
9. Award from King Abdulaziz University for the excellent research articles in the year 2015 for the research article entitled “Theonellamide G, a Potent Antifungal and Cytotoxic Bicyclic Glycopeptide from the Red Sea Marine Sponge *Theonella swinhoei*”
10. Awards from Suez Canal University for the excellent research articles in the years 2016, 2017, 2019, 2020, 2021, 2022.

Supervision

Master Thesis

1. "Chemistry and biology of *Achillea fragrantissima* present in Sinai"
Inas El-Sayed El- Tamany from 27/8/2006 to 13/7/2010
2. "Determination of certain natural compounds in certain pharmaceutical products of the Egyptian market"
Khalid El-Nahreery from 14/7/2008 to 10/2/2013
3. "Biologically active compounds from selected marine fungi"
Samar Sameer Mourshid from 18/5/1433 (10/4/2012) to 30/4/1436 (19/2/2015)
4. "Assessment of marine sponge – derived fungi for biological activities"
Ibrahim Al-Hussein Asiri from 15/7/1433 (5/6/2012) to 30/4/1436 (19/2/2015)
5. " Phytochemical study and biological impact evaluation of certain natural extracts"
Ahmed Khedr Elsayed **Completed in 2021**
6. "Isolation and Structure Elucidation of active metabolites of (*Carrichtera annua*) DC . Cruciferae (Brassicaceae)"
Haidy Abdelkader Ahmed **Completed in 2022**
7. "Chemical and Biological Investigation of Selected Naturally Derived Compounds"
Aya Hassan Hassan El-Tanahy **Completed in 2022**
8. "Phytochemical Screening and Biological Studies of Some Plants of Common Existence in Egypt"
Salma Ahmed Ibrahim Ramzi **current**
9. "Chemical and Biological Appraisal of some Elected Natural Extracts"
Nada Adel Mahmoud Abdellatif **current**
10. "Chemical, Biological and Analytical Evaluation of Selected Promising Natural Products"
Abdelaziz Farrag Sayed Mohamed **current**
11. "Investigation of Biologically Active Metabolites from Selected Native Fungi"
Mohamed Ahmed Mohamed Ahmed Abdel Azeem **current**
12. "Chemical profiling and biological properties of selected natural extracts"
Marwa Fathy Saad Helal Soliman **current**

PhD Thesis

1. "Biologically active metabolites from selected Red Sea sponges"
Lamiaa Ahmed El- Nady Shalaa from 9/6/2005 to 13/2/2008
2. "Phytochemical investigation of secondary metabolites from Egyptian natural sources"
Basma Mosilhy Kassem Awad **Completed in 2022**
3. "Phytochemical and Biological Studies on Some Chosen Plants Abundant in Egypt"
Hanan Samir Ibrahim Khalil **Completed in 2022**
4. "Chemical Investigation and Biological Assessment of Chemical Constituents from Some Promising Natural Sources "
Dina Mohamed Mohamed Hal **current**
5. "Investigation of a Selected Number of Natural Products and Their Efficacy as Biologically Active Drug Lead"
Ahmed Khedr Elsayed Ibrahim **current**

A referee in the following journals

1. *Journal of Medicinal Plants Research.*
Title of the reviewed article "Evaluation of the chemical, nutritional, antimicrobial and antioxidant vitamin profiles of *Piliostigma thonningii* leaves" (2010).
2. *Journal of Natural Products Research.*
Title of the reviewed article "Antidepressant, anxiolytic and adaptogenic activity of torvanol A, an isoflavonoid from seeds of *Solanum torvum*" (2011).
"New potential allelochemicals from *Galinsoga purviflora* CAV" (2014)
3. *Journal of Liquid Chromatography & Related Technologies.*
Title of the reviewed article: "Quantitative determination of glutathione and its degradant in a pharmaceutical preparation using HPLC-DAD and identification by LC-ESI-MS" (2012).
4. *Scientia Pharmaceutica.*
Title of the reviewed article:" Quality by Design based Development of a Stability Indicating RP-HPLC Method for Simultaneous Determination of Methylparaben, Propylparaben, Diethylamino Hydroxybenzoyl Hexyl Benzoate and Octinoxate in Topical Pharmaceutical Formulation" (2013).
5. *Pakistan Journal of Pharmaceutical Science.*
Title of the reviewed article: "Development of Cetyl Dimethicone Based Water-in-Oil Emulsion

Containing Botanicals: Physical Characteristics and Stability” (2014).

6. *Zeitschrift für Naturforschung C*.

Title of the reviewed article: “Volatile Oil Profile of Some Labiaceous Plants Growing in Saudi Arabia and Their Biological Activities” (2015).

7. *Fitoterapia*

Title of the reviewed article: “Integracides H-J: New tetracyclic triterpenoids from the endophytic fungus *Fusarium* sp.” (2016).

8. *Saudi Journal of Biological Sciences*. Title of the reviewed article: “Effect of harvest season on chemical composition and antioxidant activity of mistletoe extracts (*Viscum album* subsp. *album*)” (2016).

Projects

A co-investigator in the following projects:

1. “Natural products from Egyptian plants with hypoglycemic effect” Awarded by the MENA – Swedish Research Links Program (2009).
2. “Biotechnological Approaches for Drug Discovery and Development from Red Sea Marine Organism” Code: 11-BIO1556-03 (2012).
3. “Antiproliferative and Antiangiogenic Agents from Verongid Sponges” Code: 11-BIO2056-03 (2013).
4. “Bioactive Secondary Metabolites and Biosynthetic Genes from Red Sea Actinomycetes” Code: 12-BIO2551 (2013).
5. “Evaluation of hepatoprotective activity of *Adansonia digitata* extract on paracetamol-induced hepatotoxicity in rats” funded by Deanship of Scientific Research, King Abdulaziz University, Jeddah, Saudi Arabia. Code: 166-896-D1435 (2014).

A principle investigator in the following projects:

1. Anticonvulsant and neuroprotective activity of *Phragmanthera austroarabica* extract in pentylenetetrazole-kindled mice. Code: 166-10-D1437 (2015).

List of Publications

Articles

- 1- Abdalla M. El-Lakany, Maha A. Aboul-Ela, Nagwa S. El Shaer, **Jihan M. Badr**, Nawal N. Sabri (2001). "Anthraquinones from the roots of *Crucianella maritima* L." *Alex. J. Pharm. Sci.*, 15 (2), 91-94.
- 2- Abdalla M. El-Lakany, Maha A. Aboul-Ela, Maged S. Abdel-Kader, **Jihan M. Badr**, Nawal N. Sabri and Yousry Gohar (2004). "Anthraquinones with antibacterial activities from *Crucianella maritima* L. growing in Egypt" *Natural Product Sciences*, 10 (2), 63 – 68.
- 3- Maha A. Aboul-Ela, Saneya A. Kamal, **Jihan M. Badr**, Nawal N. Sabri (2006). "Effect of plant age and ecological factors on the anthraquinone content of *Crucianella maritima* L. growing in Egypt". *Alex. J. Pharm. Sci.*, 20 (2), 79 – 83.
- 4- Hala M. Hammoda, **Jihan M. Badr**, Diaa T. A. Youssef (2007). "Three antioxidant compounds of the Red Alga *Liagora farinose*". *Natural Product Sciences*, 13 (2), 140 – 143.
- 5- Diaa T. A. Youssef, Mahmoud A. Ramadan, Sabrin R. M. Ibrahim, **Jihan M. Badr** (2007). Cytotoxic Sesquiterpene lactones of the Egyptian *Tanacetum santolinoides*. *Natural Product Communications*, 2 (8), 795-798.
- 6- Sabrin R. M. Ibrahim, **Jihan M. Badr**, Khalid A. El-Sayed, Diaa T. A. Youssef (2007). A New Cytotoxic Sesquiterpene and three Anti-inflammatory flavonoides from Egyptian *Tanacetum santolinoides*. *Natural Product Communications* , 2 (11), 1071-1074.
- 7- Dina R. Abou-Hussein, **Jihan M. Badr**, Diaa T. A. Youssef (2007). "Nucleoside Constituents of the Egyptian Tunicate *Eudistoma laysani*". *Natural Product Sciences*, 13 (3), 229-233.
- 8- Nagwa S. El Shaer, **Jihan M. Badr**, Maha A. Aboul-Ela, Yousry Gohar (2007). "Determination of lawsone in henna powders using HPTLC". *Journal of Separation Sciences*, 30, 3311-3315.
- 9- Mohamed I. Abou-Shoer, Lamia A. Shaala, Diaa T. A. Youssef, **Jihan M. Badr**, Abdel-Azim M. Habib (2008). "Bioactive brominated metabolites from the Red Sea sponge *Suberea mollis*". *Journal of Natural Products*, 71, 1464 – 1467.
- 10- **Jihan M. Badr**, Lamia A. Shaala, Mohamed I. Abou-Shoer, Mona K. Tawfik, Abdel-Azim M. Habib (2008). "Bioactive brominated metabolites from the Red Sea sponge *Pseudoceratina Arabica*". *Journal of Natural Products*, 71, 1472 – 1474.

- 11- Fathy EL- Fiky, Kaleab Asres, Simon Gibbons, Hala Hammouda, **Jihan M. Badr** and Shemsu Umer (2008). "Phytochemical and antimicrobial investigation of latex from *Euphorbia abyssinica* Gmel.". *Natural Product Communications*, 3 (9), 1505 – 1508.
- 12- **Jihan M. Badr** (2008). "Antioxidant and antimicrobial constituents of *Crucianella maritima* L." *Natural Product Sciences*, 14 (4), 227 – 232.
- 13- **Jihan M. Badr** (2009) "Determination of alizarin in *Crucianella maritima* L. using high performance thin layer chromatography" *Egyptian Journal of Biomedical Sciences*, 29, 249-255.
- 14- **Jihan M. Badr**, Faida H. Bamane, and Nawal N. Sabri (2010). "Simple and accurate high performance thin layer chromatographic method for simultaneous determination quercetin and Kaempferol in *Crucianella maritima* L." *Journal of Pharmacy Research*, 3(9), 2155-2157.
- 15- **Jihan M. Badr** and Mona K. Tawfik (2010) "Analytical and Pharmacological Investigation of Amygdalin in *Prunus armeniaca* L. Kernels" *Journal of Pharmacy Research*, 3(9),2134-2137.
- 16- Nabila M. Ghazy, Faida H. Bamane, Nayera A. Moneib, **Jihan M. Badr** (2011). "Investigation of biological activities of different extracts of *Marrubium alysson* L." *Journal of Pharmacy Research*, 4 (12), 4387-4389.
- 17- Lamiaa A. Shaala, Faida H. Bamane, **Jihan M. Badr**, Diaa T. A. Youssef (2011)." Brominated Arginine-Derived Alkaloids from the Red Sea Sponge *Suberea mollis*" *Journal of Natural Products*, 74, 1517–1520.
- 18- **Jihan M. Badr**, Faida H. Bamane, Nagwa S. El-Shaer (2012). "Application of High Performance Thin Layer Chromatography for Determination of Nicotine in Different Brands of Cigarettes". *Journal of Liquid Chromatography & Related Technologies*, 35:1213–1221.
- 19- Abdulla A. Omar, Ghada M. Hadad, **Jihan M. Badr** (2012). First Detailed Quantification of Silymarin Components in the Leaves of *Silybum marianum* Cultivated in Egypt during Different Growth Stages. *Acta Chromatographica*, 24 (3), 463–474.
- 20- Mona K. Tawfik, **Jihan M. Badr** (2012). "Evaluation of hepatoprotective activity of *Plicosepalus acacia* and *Phragmanthera austro arabica* extracts on paracetamol-induced hepatotoxicity in rats" *Wulfenia*, 19 (10), 325 – 337.

- 21- Faida H. Bamane, **Jihan M. Badr**, Omayma Abdel Razek M. Amin (2012). "Antioxidant activities and flavonoid contents of selected plants belonging to Family Loranthaceae". *African Journal of Biotechnology*, 11(78), 14380-14385.
- 22- **Jihan M. Badr**, Lamiaa A. Shaala, Daa T.A. Youssef (2013). "Loranthin: A new polyhydroxylated flavanocoumarin from *Plicosepalus acacia* with significant free radical scavenging and antimicrobial activity". *Phytochemistry Letters*, 6, 113-117.
- 23- **Jihan M. Badr** (2013). "A validated high performance thin layer chromatography method for determination of yohimbine hydrochloride in pharmaceutical preparations". *Pharmacognosy Magazine*, 9 (33), 4- 8.
- 24- Ghada M. Hadad, **Jihan M. Badr**, Khaled El-Nahriry, and Hashem A. Hassanean (2013). "Validated HPLC and HPTLC Methods for Simultaneous Determination of Colchicine and Khellin in Pharmaceutical Formulations". *Journal of Chromatographic Science*, 51:258-265.
- 25- Dina M. Abo-elmatty, Soha S. Essawy, **Jihan M. Badr**, Olov Sterner (2013). "Antioxidant and anti-inflammatory effects of *Urtica pilulifera* extracts in type2 diabetic rats". *Journal of Ethnopharmacology*, 145, 269-277.
- 26- Gamal A. Mohamed, Sabrin R.M. Ibrahim, **Jihan M. Badr**, Daa T.A. Youssef (2014). "Didemnaketals D and E, bioactive terpenoids from a Red Sea ascidian *Didemnum* species". *Tetrahedron*, 70, 35-40.
- 27- Soha S. Essawy, Dina M. Abo-elmatty, Nabila M. Ghazy, **Jihan M. Badr**, Olov Sterner (2014). "Antioxidant and anti-inflammatory effects of *Marrubium alysson* extracts in high cholesterol-fed rabbits". *Saudi Pharmaceutical Journal*, 22, 472-482.
- 28- Osama A. A. Ahmed, Shaimaa M. Badr-Eldin, Mona K. Tawfik, Tarek A. Ahmed, Khalid M. El-Say, **Jihan M. Badr** (2014). "Design and Optimization of Self-Nanoemulsifying Delivery System to Enhance Quercetin Hepatoprotective Activity in Paracetamol-Induced Hepatotoxicity". *Journal of Pharmaceutical Sciences*, 103, 602-612.
- 29- Daa T. A. Youssef, Lamiaa A. Shaala, Gamal A. Mohamed, **Jihan M. Badr**, Faida H. Bamanie, Sabrin R. M. Ibrahim (2014). "Theonellamide G, a Potent Antifungal and Cytotoxic Bicyclic Glycopeptide from the Red Sea Marine Sponge *Theonella swinhoei*". *Marine Drugs*, 12, 1911-1923.
- 30- Dina R. Abou-Hussein, **Jihan M. Badr** and Daa T.A. Youssef (2014). "Dragmacidoside; a new nucleoside from the Red Sea sponge *Dragmacidon coccinea*". *Natural Product Research*, 28 (15), 1134-1141.

- 31- Abeer Hanafy, **Jihan M. Badr** (2014). "Anti-hyperglycaemic effect of *Phragmenthera austroarabica* A.G.Mill. & J.A.Nyberg extract in streptozotocin induced diabetes in rats" *Natural Product Research*, 28 (24), 2351–2354.
- 32- Hibah M. Aldawsari, Abeer Hanafy, Gihan S. Labib, and **Jihan M. Badr**. (2014). "Antihyperglycemic Activities of Extracts of the Mistletoes *Plicosepalus acaciae* and *P. curviflorus* in Comparison to their Solid Lipid Nanoparticle Suspension Formulations" *Z. Naturforsch*, 69c, 391 – 398
- 33- Lamiaa A. Shaala, Daa T.A. Youssef, Sabrin R.M. Ibrahim, Gamal A. Mohamed, **Jihan M. Badr**, April L. Risinger and Susan L. Mooberry (2014). "Didemnaketals F and G, New Bioactive Spiroketal from a Red Sea Ascidian *Didemnum species*". *Marine Drugs*, 12, 5021-5034.
- 34- **Jihan M. Badr**, Ghada M. Hadad, Khaled Nahriry and Hashem A. Hassanean. (2015). "Validated HPLC method for simultaneous estimation of khellol glucoside, khellin and visnagin in *Ammi visnaga* L. fruits and pharmaceutical preparations". *Natural Product Research*, 29(7), 593-601.
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Abstracts

- 1- "Additional anthraquinones from *Crucianella maritima* L."
Conference of the Pharmaceutical Society of Egypt, Cairo, Egypt.
- 2- "Phytochemical and biological investigation of the roots and aerial parts of *Crucianella 20aritime* L"
The 1st International Congress of Pharmaceutical & drug Industries Division, Cairo, Egypt.
- 3- "Chemical and Pharmacological investigation of the Red Sea sponge *Pseudoceratina maritima*"
1st Euro-Mediterranean Conference on Marine Natural Products, Held during 31st October – 4th November 2008, Sharm El-Sheikh, Egypt.

- 4- "Quantification of alizarin in roots and aerial parts of *Crucianella maritime* L. by HPTLC"
Egyptian Pharmaceutical Society XXXI Conference of Pharmaceutical Sciences, Held in December 2008, Cairo, Egypt.
- 5- "Microbiological Activities and Phytochemical Screening of Three Mistletoes Commonly Used in Folk Medicine"
BioVision Alexandria 2012, Held during April 2012, Alexandria, Egypt.
- 6- "Chemical constituents of the Red Sea sponge *Biemna ehrenbergi*"
23^o Silae Congress" [23^o Scientific Italo-Latinamerican Asian & African Congress of Ethnomedicine], held during 7/9/2014 to 12/9/2014, Marsala, Italy.
- 7- "Simultaneous Determination of Khellin, Visnagin and Khellol Glucoside Using Validated HPLC Method"
23^o Silae Congress" [23^o Scientific Italo-Latinamerican Asian & African Congress of Ethnomedicine], held during 7/9/2014 to 12/9/2014, Marsala, Italy.
- 8- "Phytochemical investigation of *Phragmanthera austroarabica*"
23^o Silae Congress" [23^o Scientific Italo-Latinamerican Asian & African Congress of Ethnomedicine], held during 7/9/2014 to 12/9/2014, Marsala, Italy.
- 9- "Chemical constituents of *Penicillium* sp. Isolated from Red Sea ascidian *Didemnum* species"
23^o Silae Congress" [23^o Scientific Italo-Latinamerican Asian & African Congress of Ethnomedicine], held during 7/9/2014 to 12/9/2014, Marsala, Italy.
- 10- "Bioactive Compound from the Red Sea Marine Cyanobacterium *Moorea producens*"
23^o Silae Congress" [23^o Scientific Italo-Latinamerican Asian & African Congress of Ethnomedicine], held during 7/9/2014 to 12/9/2014, Marsala, Italy.
- 11- "Evaluation of Hepatoprotective Activity of a Mistletoe Growing in Saudi Arabia"
[First PUA International Conference on "Advances in Pharmaceutical Sciences] held during 27-29 October 2015, Alexandria, Egypt.
- 12- "Mistletoes: verification of the traditional use" **oral presentation** in *6th International Conference and Exhibition on Natural Products and Medicinal Plants Research (Natural Products 2019) during June 24-25, 2019 at Vienna, Austria*

- 14- "A developed HPTLC method for determination of orlistat in pharmaceutical preparations" *6th International Conference and Exhibition on Natural Products and Medicinal Plants Research* (Natural Products 2019) during June 24-25, 2019 at Vienna, Austria
- 15- "Hepatoprotective activity of selected plants belonging to the order Santalales" "Pharmaceutical and Healthcare Sciences" held on November 6-7, 2019 at in Hilton Green-Plaza, Alexandria, Egypt

Additional activities

Membership in Committees:

- 1- Committee of strategic planning of Faculty of Pharmacy, King Abdulaziz University during 2010-2011.
- 2- Committee of self-study of Faculty of Pharmacy, King Abdulaziz University during 2012-2013.
- 3- Faculty of Pharmacy council, Suez Canal University, Ismailia, Egypt 2016-current.
- 4- Committee of society and community service, Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt 2017-current.
- 5- Committee of credibility and ethics of the profession, Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt 2016-current.

Examiner Committee of the following theses:

- 1- "Biologically active compounds from selected marine fungi"-Master's Degree
By: Samar Sameer Mourshid (2015)
- 2- "Assessment of marine sponge – derived fungi for biological activities" -Master's Degree. By: Ibrahim Al-Hussein Asiri (2015)
- 3- "Isolation and structure elucidation of biologically active compounds from some plants growing in Sinai" -Master's Degree. By: Raed Alaa El-Dein El-Sayed Hashem (2018)
- 4- "Isolation and identification of biologically active metabolites from certain natural products"-PhD. By: Ahmed Mohamed Ahmed Badawy (2019)
- 5-

Activity Lectures:

- 1- "Naturally occurring quinones". Faculty of Pharmacy, Suez Canal University (2006).
- 2- "Psychology". Faculty of Pharmacy, King Abdulaziz University (2010).
- 3- "Hepatoprotective natural products". King Fahd Medical Research Center, King Abdulaziz University (2011).
- 4- "The impact of the sport to ease the daily stress". Faculty of Pharmacy, King Abdulaziz University (2011).
- 5- "Marine natural products and drug discovery". Faculty of Pharmacy, King Abdulaziz University (2012).
- 6- "Different patterns of personality". Faculty of Pharmacy, King Abdulaziz University (2012).
- 7- "The role of sport in building personal leadership". Faculty of Pharmacy, King Abdulaziz University (2012).
- 8- "How to write a successful proposal?". Faculty of Pharmacy, Suez Canal University (2016).
- 9- "HPTLC: an overview and applications". Faculty of Pharmacy, Suez Canal University (2016).
- 10- "The role of medicinal plants in treatment of obesity". Faculty of Pharmacy, Suez Canal University (2017).
- 11- "Intellectual property rights". Faculty of Pharmacy, Suez Canal University (2017).
- 12- "Medicinal plants in treatment of digestive system disorders" Faculty of Pharmacy, Suez Canal University (2018).
- 13- "Medicinal plants in treatment of liver disorders" Faculty of Pharmacy, Suez Canal University (2018).

Supervision of graduation projects (for 5th year students, faculty of Pharmacy, King Abdulaziz University):

- 1- Determination of Yohimbine in different pharmaceutical preparation using UV spectrophotometry **(2011-2012)**
- 2- Antimicrobial activity of plants belonging to family Loranthaceae **(2012-2013)**
- 3- Investigation of the non-polar fraction of *Salsola kali* extract **(2013-2014)**
- 4- Antimicrobial Activity of selected fungi isolated from Red Sea Sponges **(2014 - 2015)**
- 5- Evaluation of biological activities of *Zygophyllum album* extracts **(2015-2016)**