

# Rana Ahmed Mohammed Elsaied Elfitiany

## PERSONAL DATA

Full Name : Rana Ahmed Mohammed Elsaied Elfitiany.  
Date of Birth : 19<sup>th</sup> of June 1991.  
Nationality : Egyptian.  
Marital Status : Married.  
Location (1ry) : Al-Ain city, Abu Dhabi, United Arab Emirates.  
(2ry) : 6<sup>th</sup> of October city, Giza, Egypt.



## CONTACT INFO

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Web of Science : GLU-8757-2022.  
ResearcherID  
Google Scholar : <https://scholar.google.com/eg/citations?user=j1ffAp8AAAAJ&hl=en&oi=ao> .  
Research Gate : [https://www.researchgate.net/profile/Rana\\_El-Fitiany](https://www.researchgate.net/profile/Rana_El-Fitiany) .  
ORCID : <https://orcid.org/0000-0002-4477-1873> .  
Web of Science : <https://www.webofscience.com/wos/author/rid/GLU-8757-2022>  
LinkedIn : <https://www.linkedin.com/in/rana-elfitiany-437361111/>.  
Facebook : <https://www.facebook.com/marmar.elfitiany>.  
Skype : live:.cid.74db89d30ef05813

## RESEARCH AREAS

Natural Products – Phytochemistry – Metabolomics – Chromatography – Spectroscopy – Nanomedicine - Green synthesis of nanoparticles.

## RESEARCH INTERESTS

My research studies deal with phytochemical and pharmacognostical study of medicinal plants, including isolation and identification of their bioactive constituents using different analytical and chromatographic techniques, such as NMR, HPLC, QTOF LC/MS/MS, GC/MS, TLC, flash, and traditional column chromatography, with the aim of their applications in the pharmaceutical industry. Also, I am interested in using plant extracts and their derived phytochemicals in the formation of green nanomedicines and their characterization using UV-VIS spectrophotometry, FT-IR, XRD, SEM, EDAX, and TEM.

## EDUCATION

15 Aug 2021 to Present **PhD in Chemistry, Specialty: Natural Product Chemistry (Fellowship Basic Package Award)**, College of Science, United Arab Emirates University, Al Ain, Abu Dhabi, United Arab Emirates.  
▪ **Supervisor:** Mohammad Khasawneh.

September 2015- July 2019 **M.Sc. in Pharmacy and Pharmaceutical Science, Specialty: Pharmacognosy.** Faculty of Pharmacy, Cairo University, Giza, Egypt.  
▪ **Title:** “Pharmacognostical study of *Malpighia glabra* Linn. Family Malpighiaceae and *Prunus persica* Linn. cultivars Family Rosaceae”.

- **Supervisors:** Seham El-Hawary, Ola Mohamed Mousa, Rania Ahmad El-Gedaily.

- 2014 – 2015     **Premaster in Pharmaceutical Science, Specialty: Pharmacognosy.**  
Faculty of Pharmacy, Cairo University, Giza, Egypt.
- 2008 – 2013     **B.Sc. in Pharmacy and Pharmaceutical Science.**  
Faculty of Pharmacy, Ahram Canadian University (ACU), 6th October City, Egypt.  
Ranked at the 8<sup>th</sup> place on class of July 2013 according to the cumulative GPA, Overall Grade: Excellent with honor (Cum. GPA: 3.959 / 4).
- 2005-2008     **Secondary School.**  
Masr El Gadida Ideal School for Girls, Cairo, Egypt (Thanawya Amma: 95.1%).
- 2002-2005     **Prep School.**  
Masr El Gadida Ideal School for Girls, Cairo, Egypt.
- 1998-2002     **Primary School.**  
El Nozha Language School, Cairo, Egypt.
- 1997-1998     **Primary School.**  
Jazan International School, Jazan, Saudi Arabia.

## PROFESSIONAL EXPERIENCE

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### • PAID WORK:

- 27 Sep 2020 to Present     **Assistant lecturer in Pharmacognosy department, Faculty of Pharmacy at Egyptian Chinese University.**  
Cairo, Egypt.
- Routine responsibilities:**
- 1- Registration of the student courses and academic advising for the students.
  - 2- Teaching the practical part of the lower-level courses.
  - 3- Meeting the course instructor and preparing the course material needed for the classes and labs.
  - 4- Preparing and proctoring examinations.
  - 5- Explaining the assignments for the students and discussing the tasks needed to fulfill the course.
- Taught courses (Practical part):**
- 1- Medicinal plants.
  - 2- Pharmacognosy-1.
  - 3- Organic Chemistry-1.
  - 4- Organic Chemistry-2.
  - 5- Information Technology.
  - 6- Cell Biology.

- 14 Sep 2013 to 21 Sep 2017  
(Full time employment) **Teaching assistant, Pharmacognosy department, Faculty of Pharmacy at Ahram Canadian University.**  
Giza, Egypt.
- Routine responsibilities:**
- 1- Registration of the student courses and academic advising for the students.
  - 2- Teaching the practical part of the lower-level courses.
  - 3- Preparing the lab-manual for the students.
  - 4- Meeting the course instructor and preparing the course material needed for the classes and labs.
  - 5- Preparing and proctor examinations.
  - 6- Explaining the assignments for the students and discussing the tasks needed to fulfill the course.
  - 7- Helping stumbling students during their activity hours in studying.
  - 8- Supervising and Participate in Students activities.
  - 9- Preparing transcripts for graduating students.
  - 10- Preparing course equivalent documents for transferred students.
- Extra responsibilities:**
- 1- Quality assurance coordinator for Pharmacognosy department (fall 2015 to spring 2017).
  - 2- Quality assurance coordinator in the Standard of the Community participation and environmental development (12 September 2017 to 20 September 2017).
  - 3- Member in questionnaires committee (from 8 to 22 of July 2017).
  - 4- Quality assurance coordinator in the Standard of the Students and Graduates (From June 2014 to April 2016).
  - 5- Member in Faculty of Pharmacy control for the academic semesters Fall 2013 and Spring 2014.
- Taught courses (Practical part):**
- 1- Botany and medicinal plants.
  - 2- Pharmacognosy-1.
  - 3- Pharmacognosy-2.
  - 4- Phytochemistry-1.
  - 5- Phytochemistry-2.

1 Jul 2013 to 1 Oct 2013  
(Full time employment) **Pharmacist at El-Fitiany Pharmacy.**  
Cairo, Egypt.

● **INTERNSHIPS:**

21 Oct 2019 to 7 November 2019 **Patient educator at Life Style Company (Fast, cumulative blood glucose levels and lipid profile)**  
Dokki, Giza, Egypt

2 Sep 2012 to 13 Sep 2012 **Trainee at Al-Zahraa Hospital**  
Abdou Pasha, Cairo, Egypt

● **EXTRACURRICULAR ACTIVITIES:**

July 2022 to Present **Peer reviewing in international journals; Phytotherapy Research**

6 Dec 2017 to Present **Editorial board member and reviewer in International Research**

(Volunteer)	<b>Journal of Pharmacy and Medical Sciences.</b>
12 Oct 2017 to Present (Volunteer)	<b>Editorial board member in Universal Journal of Pharmaceutical Research.</b>
30 Mar 2017 (Volunteer)	<b>Co-Founder in Alumni Association of Faculty of Pharmacy, Ahram Canadian University.</b> Giza, Egypt.
28 to 29 May 2016 (Volunteer)	<b>Organizer in the 1st ACU International Conference of Pharmaceutical Sciences On New Trends in Pharmaceutical and Medical Research at Ahram Canadian University.</b> Giza, Egypt. <b><u>Responsibilities:</u></b> 1- Prepare lists of VIPs, invited guests, speakers posters presenters, attendees. 2- Prepare and fix seat codes. 3- Design conference labels. 4- On-site registration. 5- Give the conference IDs to the attendees. 6- Distribute certificates to the attendees in the last day of the conference.
1 Feb 2014 to 4 Feb 2014 (Volunteer)	<b>Ibn Sina Medical Convoy 4 of Ahram Canadian University.</b> Beni Suef, Egypt. <b><u>Responsibilities:</u></b> Head of the awareness team and a member in the Laboratory team 1- Choose the coordinating awareness team from the students by holding interviews. 2- Choose the topics and activities which should be prepared by the awareness team to be presented to the public (as Hygiene, 1st Aid, hepatitis A and C, anticancer drugs, carcinogenic, breast cancer, hypertension, swine and avian flu, pregnancy, diabetes, folk medicine, bilharzia). 3- Revise the prepared material. 4- Prepare the time schedule and missions of each individual in the team. 5- Prepare the financial budget of the awareness services. 6- Supervise the team to ensure goals are achieved. 7- Problem solving and decision making. 8- Write urine and stool final reports and revise them in the laboratory team.
31 Jan 2013 to 2 Feb 2013 (Volunteer)	<b>Ibn Sina Medical Convoy 3 of Ahram Canadian University.</b> Helwan, Egypt. <b><u>Responsibilities:</u></b> Member in the Laboratory team. 1- Write urine and stool analysis final reports and revise them. 2- Performing specific laboratory tests (hepatitis C, hepatitis B and urine analysis). 3- Problem solving and decision making.
26 Jun 2012 to 29 Jun 2012	<b>Ibn Sina Medical Convoy 2 of Ahram Canadian University.</b> Fayoum, Egypt.

(Volunteer)

**Responsibilities:**

Member in the Laboratory team.

- 1- Write urine and stool analysis final reports and revise them.
- 2- Performing specific laboratory tests (hepatitis C, hepatitis B and urine analysis).
- 3- Problem solving and decision making.

Social media and networking

**PAGES:**

- An editor in ([Herbaland Egypt](#)) a medical page on Facebook.
- An admin in (ISMC "[Ibn Sina Medical Convoy](#)") a medical page on Facebook.
- An admin in "[Pharma 13](#)", a medical page on Facebook.
- An admin in ([تذكر أن الله يراك](#)) a religious page on Facebook.

**GROUPS:**

- An admin in "[Pharmacy ACU 2013](#)" group on Facebook which provides helping for my colleagues in their study and career.
- An admin in ([مع بعض نقدر نختم القرآن كل أسبوع](#)) a religious group on Facebook.
- An admin in ([ACU girls 2013](#)) a social group for girls on Facebook.
- An admin in ([ACU 2013 T.A.s](#)) a private social group on Facebook.
- An admin in ([Ph.ACUC 2013 photoday organizers](#)) a private group on Facebook for organizing the photoday event for ACU class of 2013.
- An admin in ([ACU Families Spring 2015 لجنة الأنشطة والفنون](#)) a private group on Facebook for organizing ACU students' activities.
- An admin in ([ACU adm ph 13](#)) a private group on Facebook.

**BLOGS:**

- Founder in a blog which provides helping for my ACU colleagues in their study.  
<http://pharmacyacu2013.blogspot.com/>

## PROJECTS

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- United Arab Emirates University, SURE Plus funding program, "Physicochemical and Biological Study of Green Synthesized Metal Nanoparticles using Emirati *Lawsonia inermis*", AED 46K over one year (2022), intern with Dr. Mohammad Khasawneh.
- Cairo University, Master's thesis project, "Pharmacognostical study of *Malpighia glabra* Linn. Family Malpighiaceae and *Prunus persica* Linn. cultivars Family Rosaceae", EGP 150K over four years (2016-2019), Sole Applicant.

## ACHIEVEMENTS & PUBLICATIONS

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<b>Peer review publications</b>	<ol style="list-style-type: none"><li>1. Rana Ahmed El-Fitiary &amp; Mohammad A. Khasawneh (2022): <i>Leptadenia Pyrotechnica</i> (Forsk.) Decne: From Edibility to Drug Discovery (A Comprehensive Review), <i>Food Reviews International</i>, DOI: 10.1080/87559129.2022.2126853.</li><li>2. El-Hawary, S. S., El-Fitiary, R. A., Mousa, O. M., Salama, A. A., &amp; El Gedaily, R. A. (2021). Metabolic profiling and in vivo hepatoprotective</li></ol>
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	<p>activity of <i>Malpighia glabra</i> L. leaves. <i>Journal of Food Biochemistry</i>, 45(2), e13588.</p> <p>3. El-Hawary, S. S., Mousa, O. M., El-Fitiany, R. A., &amp; El Gedaily, R. A. (2020). Cytotoxic, antimicrobial activities, and phytochemical investigation of three peach cultivars and acerola leaves. <i>Journal of Reports in Pharmaceutical Sciences</i>, 9(2), 221.</p>
<b>Posters</b>	<p>1. Seham S. El-Hawary, Ola Mohamed Mousa, Rania Ahmad El-Gedaily and Rana Ahmed El-Fitiany (2016). Comparative HPLC analysis of the flavonoid and phenolic contents for three Egyptian <i>Prunus persica</i> L. cultivars. Poster presented at the 1st ACU International Conference of Pharmaceutical Sciences On New Trends in Pharmaceutical and Medical Research, NTPMR, held at Ahrum Canadian University, 6th October City, Egypt, 28-29 May. Abstract number 157.</p>
<b>Thesis</b>	<p>1. Mohammed, R. A. (2019). Pharmacognostical study of <i>Malpighia glabra</i> Linn. Family Malpighiaceae and <i>Prunus persica</i> Linn. cultivars Family Rosaceae. CU Theses.</p>
<b>Awards</b>	<p>1. Fellowship Basic Package Award in the PhD program, College of Science, United Arab Emirates University, Al Ain, Abu Dhabi, United Arab Emirates (30 June 2021).</p>

## ATTENDED CONFERENCES AND EVENTS

- Sciex and Misr Medical Technology Seminar in Egypt “Answers for Science, knowledge for life”, held in Hotel Sofitel Cairo Nile El-Gezira, Giza, Egypt, 17<sup>th</sup> July 2019.
- 1<sup>st</sup> ACU International Conference of Pharmaceutical Sciences On New Trends in Pharmaceutical and Medical Research, NTPMR, held in Ahrum Canadian University, 6<sup>th</sup> October City, Egypt, 28-29<sup>th</sup> May 2016.
- TEDx Ahrum Canadian University, x= independently organized TED event, held in hall 2, Ahrum Canadian University, 6th October City, Egypt, Wednesday-8<sup>th</sup> March 2017.

## WORKSHOPS AND TRAINING PROGRAMMES

<b>Research and publishing related</b>	3 November 2022	<b>Designing Graphical Abstracts</b> at United Arab Emirates University, Al Ain, Abu Dhabi, UAE ( <b>Sponsored by College of Graduate Studies, United Arab Emirates University</b> ).
	28 September 2022	<b>Biomedical illustrations using BioRender</b> at United Arab Emirates University, Al Ain, Abu Dhabi, UAE ( <b>Sponsored by College of Graduate Studies, United Arab Emirates University</b> ).
	23 September 2021	<b>Get Started with Systematic Reviews- Search Strategies and Method Requirements</b> , online webinar at United Arab Emirates University, Al Ain, Abu Dhabi, UAE ( <b>Sponsored by College of Graduate Studies, United Arab Emirates University</b> ).

- 21 September 2021 **Coherence in Writing Workshop**, online webinar at United Arab Emirates University, Al Ain, Abu Dhabi, UAE (**Sponsored by College of Graduate Studies & Writing Center of Student Success Unit, United Arab Emirates University**).
- 16 September 2021 **External Grant Writing**, online webinar at United Arab Emirates University, Al Ain, Abu Dhabi, UAE (**Sponsored by College of Graduate Studies, United Arab Emirates University**).
- 14 September 2021 **Literature Review Workshop**, online webinar at United Arab Emirates University, Al Ain, Abu Dhabi, UAE (**Sponsored by College of Graduate Studies & Writing Center of Student Success Unit, United Arab Emirates University**).
- 9 September 2021 **How to Write a Review/Research Paper to Publish in High Impact Journals**, online webinar at United Arab Emirates University, Al Ain, Abu Dhabi, UAE (**Sponsored by College of Graduate Studies, United Arab Emirates University**).
- 6 September 2021 **Reference formatting with Zotero**, online webinar at United Arab Emirates University, Al Ain, Abu Dhabi, UAE (**Sponsored by College of Graduate Studies, United Arab Emirates University**).
- 2 September 2021 **Thesis/Dissertation Formatting**, online webinar at United Arab Emirates University, Al Ain, Abu Dhabi, UAE (**Sponsored by College of Graduate Studies, United Arab Emirates University**).
- 30 August 2021 **Project Management for Research Studies**, online webinar at United Arab Emirates University, Al Ain, Abu Dhabi, UAE (**Sponsored by College of Graduate Studies, United Arab Emirates University**).
- 16 February 2021 **Systematic Reviews and Meta-analyses**, online webinar in **Nature Research Academies** in Collaboration with the Egyptian Knowledge Bank.
- 11 February 2021 **Being an Effective Reviewer**, online webinar in **Nature Research Academies** in Collaboration with the Egyptian Knowledge Bank.
- 10 February 2021 **Logical Manuscript Structure**, online webinar in **Nature Research Academies** in Collaboration with the Egyptian Knowledge Bank.
- 8 February 2021 **Effective Academic Writing**, online webinar in **Nature Research Academies** in Collaboration with the Egyptian Knowledge Bank.
- 21 November **Funded projects (Themes and Management)**, online webinar

	2020	<b>(Sponsored by Research Support Center at Helwan University).</b>
	4-5 October 2020	<b>How to write project proposal</b> at Egyptian Chinese University, Cairo, Egypt <b>(Sponsored by Egyptian Chinese University).</b>
	9 January 2019	<b>Introduction to Scholarly publishing (Elsevier Researcher Academy On Campus)</b> at National Research Centre, Giza, Egypt.
	3-4 May 2017	<b>International Publication of Scientific Research</b> at Faculty and Leadership Development Center (FLDC), Cairo University, Cairo, Egypt <b>(Sponsored by Ahram Canadian University).</b>
<b>Natural products</b>	16 September 2021	<b>Advanced NMR applications in Chemistry, Biology and Physics,</b> online webinar at United Arab Emirates University, Al Ain, Abu Dhabi, UAE <b>(Sponsored by Department of Chemistry, Faculty of Science, United Arab Emirates University).</b>
	11-12 July 2021	<b>Bioequivalence guidelines and bioanalytical methods: Development and validation</b> at Egyptian Chinese University, Cairo, Egypt <b>(Organized by Egyptian Chinese University).</b>
	13-15 September 2020	<b>Nuclear Magnetic Resonance (NMR): Basics and Applications</b> at Nawah Scientific research center, Giza, Egypt.
	4 March 2019	<b>Recent trends in natural product and medicinal plants research</b> at National Research Centre, Giza, Egypt.
	20 February 2019	<b>Recent advanced mass spectrometric tools for general analysis</b> at National Research Centre, Giza, Egypt.
	4-5 February 2019	<b>1<sup>st</sup> Joint Egyptian-Italian Workshop on Innovative Scientific Research</b> at National Research Centre, Giza, Egypt.
	27 October 2018	<b>Chromatographic separation using PuriFlash</b> at Nawah Scientific research center, Giza, Egypt.
<b>Quality assurance of higher education</b>	8 November 2020	<b>Strategic planning</b> at Egyptian Chinese University, Cairo, Egypt <b>(Sponsored by Egyptian Chinese University).</b>
	27 September - 28 September 2020	<b>Quality assurance system in higher education institutions - Academic advising system</b> at Egyptian Chinese University, Cairo, Egypt <b>(Sponsored by Egyptian Chinese University).</b>
	Feb 2016	<b>Protocols of external evaluation visit</b> at the National Authority to ensure the quality of education and accreditation, Quality Assurance of higher education, Cairo, Egypt <b>(Sponsored by</b>



		<b>Ahram Canadian University).</b>
	14-16 Sep 2014	<b>Educational programs and courses specifications and evaluation of learning outcomes</b> at The National Authority to ensure the quality of education and accreditation, Quality Assurance of higher education, Cairo, Egypt <b>(Sponsored by Ahram Canadian University).</b>
	2-3 Mar 2014	<b>Pharmacy NARS and program ILOs</b> at The National Authority to ensure the quality of education and accreditation, Quality Assurance of higher education, Cairo, Egypt <b>(Sponsored by Ahram Canadian University).</b>
	16-17 Feb 2014	<b>How to write self-study report</b> at the National Authority to ensure the quality of education and accreditation, Quality Assurance of higher education, Cairo, Egypt <b>(Sponsored by Ahram Canadian University).</b>
<b>Higher education</b>	1-2 February 2021	<b>Students' evaluation and examination systems-Online webinar (Organized by Egyptian Chinese University).</b>
	1 October 2020	<b>Learning management system</b> at Egyptian Chinese University, Cairo, Egypt <b>(Sponsored by Egyptian Chinese University).</b>
	29 September - 30 September 2020	<b>Credit hour system - Objectives of interviews</b> at Egyptian Chinese University, Cairo, Egypt <b>(Sponsored by Egyptian Chinese University).</b>
<b>Others</b>	20 October 2019	<b>Induction training for third party patient educators</b> at AstraZeneca head office, Cairo, Egypt <b>(Sponsored by AstraZeneca and Life Style Company).</b>
	27-29 Jan 2013	<b>Step on the way course of Egyptian Pharmaceutical Students' Federation "Marketing, selling, Communication and interviewing skills"</b> in Ahram Canadian University, 6th October City, Egypt.
	2-13 Sep 2012	<b>First Aid</b> at International Cultural Center, Giza, Egypt.
	24 Feb 2011	<b>International Computer Driver's License in Cairo, Egypt.</b> (Score: +90 out of 100).

## LANGUAGE TESTS

9 Oct 2020 **Academic IELTS Test (Computer-based)** at British Council, Agouza, Giza, Egypt.  
**Listening: 6 - Reading: 7 - Writing: 6.5 - Speaking: 6.5- Overall: 6.5.**

1 Jun 2015 **Academic Test of English as a Foreign Language - ATEFL** at the Center of Foreign Languages and Professional Translation, Cairo University, Giza, Egypt (Score: 574).

## LANGUAGE

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Arabic : Advanced (Mother tongue).  
English : Fluent.

## HOBBIES

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Graphic Designing, Content creating, Digital Marketing.

## REFERENCES

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Available upon request.