

# Rofaida Abdelmoaty Salem

## PERSONAL DATA

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- **Position:** Associate professor of Pharmaceutical Chemistry, Faculty of Pharmacy, Kafrelsheikh University, Kafr El-Sheikh, Egypt.
- **Nationality:** Egyptian.
- **Date of birth:** 4/3/1983.
- **Total Citation:** 27 (As per Scopus)
- **H-index:** 3 (As per Scopus)

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**Google Scholar:** <https://scholar.google.com/citations?hl=ar&user=SOkgEfgAAAAJ>

**Researchgate:** <https://www.researchgate.net/profile/Rofaida-Salem>

## EDUCATION

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**Associate professor** of Pharmaceutical Chemistry, Faculty of Pharmacy, Kafrelsheikh University, Kafr El-Sheikh, Egypt.

**Ph.D., 2016:** Department of Pharmaceutical Chemistry, El-Zagazig University, El-Zagazig, Egypt.

*Dissertation:* "Development of Various Instrumental Analysis Techniques for Determination of Certain Antipsychotics Pharmaceutical Compounds and Their Applications in Pharmaceutical Formulations"

**M.Sc., 2011:** Department of Pharmaceutical Chemistry, Tanta University, Tanta, Egypt.

*Dissertation:* " Development and Validation of Suitable Analytical Methods for Quality and Efficacy Assurance of Certain Health Care Products "

**B.Sc., 2006:** Faculty of Pharmacy, Tanta University, Cairo, Egypt.

## PROFESSIONAL EXPERIENCE

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- **Lecturer** (Aug. 2017– Now):  
Pharmaceutical Chemistry Department, Faculty of Pharmacy, Kafrelsheikh University, Kafrelsheikh, Egypt.

- **Assistant Lecturer** (May 2012– Sep. 2013):  
Pharmaceutical Chemistry Department, faculty of pharmacy, Tanta University, Tanta, Egypt.
- **Assistant Lecturer** (Sep 2013– Aug. 2017):  
Pharmaceutical Chemistry Department, Faculty of Pharmacy, Kafrelsheikh University, Kafrelsheikh, Egypt.
- **Demonstrator** (Sep 2004– May. 2012):  
Pharmaceutical Chemistry Department, faculty of pharmacy, Tanta University, Tanta, Egypt.

## CONFERENCES

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1. **3<sup>rd</sup> Scientific Conference of Faculty of Pharmacy**, Tanta University Annual Conference, 15-18 March, 2010.
2. **5<sup>th</sup> Scientific Conference of Faculty of Pharmacy**, October 2018, Kafrelsheikh, Egypt.
3. **The Annual Meeting of SPS (Saudi Pharmaceutical Society) | SIPHA (Saudi International Pharmaceutical science) 2019** “Novel Histone Deacetylase-2 (HDAC2) Inhibitors: Design, Synthesis and Biological Evaluation” January, 23-24, 2019, Jeddah, Saudi.
4. **6<sup>th</sup> Scientific Conference of Faculty of Pharmacy**, "Recent trends in the pharmaceutical field", December 2019, Kafrelsheikh, Egypt.
5. **7<sup>th</sup> Scientific Conference of Faculty of Pharmacy**, "The evolution of the role of the pharmacist in the 21<sup>st</sup> century", October 2020, Kafrelsheikh, Egypt.

## WORKSHOPS

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1. **1<sup>st</sup> Computer-Assisted Drug Design Workshop (1<sup>st</sup> CADD-W)**, Faculty of Pharmacy, Kafrelsheikh University, September 11 & 13, **2017, Kafrelsheikh, Egypt.**
2. **2<sup>nd</sup> Computer-Assisted Drug Design Workshop (2<sup>nd</sup> CADD-W)**, Faculty of Pharmacy, Kafrelsheikh University, July 2 & 4, **2018, Kafrelsheikh, Egypt.**
3. **“Flash Column Chromatography: Purification using Puriflash”** training and workshop at Faculty of Pharmacy, Kafrelsheikh University, August 9, **2018, Kafrelsheikh, Egypt.**
4. **3<sup>rd</sup> Computer-Assisted Drug Design Workshop (3<sup>rd</sup> CADD-W)**, Faculty of Pharmacy, Kafrelsheikh University, September 16 & 18, **2019, Kafrelsheikh, Egypt.**

5. *4<sup>th</sup> Computer-Assisted Drug Design Workshop (4th CADD-W)*, Faculty of Pharmacy – Kafrelsheikh University, (06/11 & 07/11/2021), Kafrelsheikh, Egypt.

6. "First Aid in partnership" workshop with the Egyptian Red Crescent, Faculty of Pharmacy - Kafr El-Sheikh University 2017
7. "Chromatographic Separation" workshop, Faculty of Pharmacy - Kafrelsheikh University 2017
8. Seminar on "Challenges Facing Egyptian National Security" Faculty of Pharmacy - Kafr El-Sheikh University 2017
9. Specifications of the exam paper of the Faculty of Pharmacy - Kafrelsheikh University 2017
10. A workshop on "institutional performance development " at the Faculty of Pharmacy - Kafr El-Sheikh University on 31/10/2017.
11. A course on the Internet, Faculty of Pharmacy - Kafr El-Sheikh University on 13/11/2017.
12. A course on the Egyptian Knowledge Bank, Faculty of Pharmacy - Kafr El-Sheikh University on 3/7/2018, 1/11/2018.
13. A course on academic advising, Faculty of Pharmacy - Kafr El-Sheikh University on 3/7/2018.
14. A workshop on international scientific publishing, Faculty of Pharmacy - Kafr El-Sheikh University on 17/7/2018.
15. A workshop on total quality and the development of administrative thought, Faculty of Pharmacy - Kafr El-Sheikh University on 10/24/2018.
16. A course on activating the academic email, Faculty of Pharmacy - Kafr El-Sheikh University, on 19/11/2018.
17. A lecture on "X-ray analysis", Faculty of Pharmacy - Kafr El-Sheikh University 2018
18. A lecture on "modern trends in cancer treatment", Faculty of Pharmacy - Kafr El-Sheikh University 2018
19. Seminar "Support Zewail's Dream", Faculty of Pharmacy - Kafrelsheikh University 2018
20. Symposium on "New Directions for the Treatment of Diabetes", Faculty of Pharmacy - Kafr El-Sheikh University 2018

- 21.** Seminar on "Puriflash chromatography", Faculty of Pharmacy, Kafrelsheikh University 2018
- 22.** A symposium entitled "Linking Scientific Research with Industry" Faculty of Pharmacy - Kafr El-Sheikh University 8/1/2018
- 23.** New Trends in Cancer Therapy Symposium delivered by Prof. Dr. Ajay Kumar Konomakara (Professor of Molecular Biology, Department of Biosciences and Engineering at the Indian Institute of Technology Ghawaty) Faculty of Pharmacy- Kafrelsheikh University 17/4/2018
- 24.** A workshop on "taiko" Faculty of Pharmacy - Kafrelsheikh University 21/5/2019.
- 25.** A workshop on "electronic Exams", Faculty of Pharmacy - Kafr El-Sheikh University on 5/21/2019.
- 26.** A workshop on "The trend towards smart systems", Faculty of Pharmacy - Kafrelsheikh University on 20/5/2019.
- 27.** A workshop on "academic standards", Faculty of Pharmacy - Kafr El-Sheikh University on 14/5/2019.
- 28.** A workshop on "strategic planning", Faculty of Pharmacy - Kafrelsheikh University on 19/5/2019.
- 29.** A workshop on "time management", Faculty of Pharmacy - Kafr El-Sheikh University, on 11/15/2017, 5/23/2019.
- 30.** A workshop on "course descriptions", Faculty of Pharmacy, Kafr El-Sheikh University, on 3/31/2019.
- 31.** A workshop on "preparing the course files" at the Faculty of Pharmacy - Kafrelsheikh University on 9/7/2019.
- 32.** A workshop on electronic Exams , Faculty of Pharmacy - Kafr El-Sheikh University on December 22, 2019.
- 33.** A workshop on credit hours, Faculty of Pharmacy - Kafr El-Sheikh University on 11/16/2019.
- 34.** "Research proposals" workshop, Faculty of Pharmacy - Kafrelsheikh University 2019
- 35.** A workshop on course descriptions in the merit system, Faculty of Pharmacy - Kafr El-Sheikh University, on 7/28/2020.
- 36.** Workshop on the Knowledge Bank, Faculty of Pharmacy - Kafrelsheikh University 23/8/2020
- 37.** Workshop on Microsoft team on 1/9/2020

38. - Workshop on "competencies in pharmaceutical education and graduate specifications online", the Ministry of Education in partnership with the Egyptian Knowledge Bank  
12/4/2022
39. Workshop to develop and accredit the Bachelor of Pharmacy program from the  
American ACPE Authority 29/3/2022

## AWARDS

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- Award of the Kafrelsheikh University for International Publishing, 2022.

## PUBLICATIONS

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- 1) Haytham O. Tawfik, Moataz A. Shaldam, Alessio Nocentini, **Rofaida Salem**, Hadia Almahli, Sara T. Al-Rashood, Claudiu T. Supuran & Wagdy M. Eldehna; "Novel 3-(6-methylpyridin-2-yl)coumarin -based chalcones as selective inhibitors of cancer-related carbonic anhydrases IX and XII endowed with anti-proliferative activity", *Journal of Enzyme Inhibition and Medicinal Chemistry*, 37 (1), (2022) 1043-1052.
- 2) Diaaeldin M. Elimam, Wagdy M. Eldehna, **Rofaida Salem**, Alessandro Bonardi, Alessio Nocentini, Sara T. Al-Rashood, Mahmoud M. Elaasser, Paola Gratteri, Claudiu T. Supur and Heba Abdelrasheed Allam; " Natural inspired ligustrazine-based SLC-0111 analogues as novel carbonic anhydrase inhibitors", *European Journal of Medicinal Chemistry*, 228 (2022) 114008.
- 3) Moataz Shaldam , Alessio Nocentini, Zainab M. Elsayed, Tamer M. Ibrahim, **Rofaida Salem**, Ramadan A. El-Domany, Clemente Capasso, Claudiu T. Supuran and Wagdy M. Eldehna; " Development of Novel Quinoline-Based Sulfonamides as Selective Cancer-Associated Carbonic Anhydrase Isoform IX Inhibitors", *Int. J. Mol. Sci.* 2021, 22, 11119.
- 4) Wagdy M Eldehna , **Rofaida Salem** , Zainab M Elsayed, Tarfah Al-Warhi, Hamada R Knany, Rezk R Ayyad, Thamer Bin Traiki, Maha-Hamadien Abdulla, Rehan Ahmad, Hatem A Abdel-Aziz, Radwan El-Haggag; " Development of novel benzofuran-isatin conjugates as potential antiproliferative agents with apoptosis inducing mechanism in Colon cancer, *Journal of Enzyme Inhibition and Medicinal Chemistry*, 37 (1), 2021, 1043-1052.
- 5) Ahmed Faried Abdel Hakiem, Ahmed Mohsen Kamal, Al Montaser Bellah H. Ali, **Rofaida A. Salem** and Ahmed Safwat Aboaraia; Predictive retention study of  $\beta$ -blockers in different chromatographic systems as potential tool for lipophilicity screening based on QSRR approach", *Journal of Liquid Chromatography & Related Technologie*, 44 (1-2), (2021), 12-24.
- 6) Moataz Shaldam, Wagdy M. Eldehna, Alessio Nocentini, Zainab M. Elsayed, Tamer M. Ibrahim, **Rofaida Salem**, Ramadan A .El-Domany, Clemente Capasso, Hatem A. Abdel-Aziz, Claudiu T. Supuran; Development of novel benzofuran-based SLC-0111 analogs as selective cancer-associated carbonic anhydrase isoform IX inhibitors", *European journal of medicinal chemistry*, 216 (5), (2021) 113283.

- 7) Mohammad Alsanea, Bahaa G.M. Youssif, Mamdouh F. A. Mohamed and **Rofaida Salem**; "Novel Histone Deacetylase-2 (HDAC2) Inhibitors: Design, Synthesis and Biological Evaluation.," *Conference Paper: SIPHA 2019, At: Jeddah*.
- 8) Abdalla Ahmed Elshanawany, Abdelmotalb Mosaad Ramadan and **Rofaida Abdelmoaty Salem**; "Synthesis, Spectrophotometric and Stoichiometric Studies of Metal Complexes of Four Antipsychotic Drugs in Bulk, Spiked Human Plasma and Pharmaceutical Dosage Forms", *Der Pharma Chemica*, 2016, 8(6):143-157.
- 9) Abdalla Ahmed Elshanawany, Abdelmotalb Mosaad Ramadan and **Rofaida Abdelmoaty Salem**; " Development, validation and stoichiometric studies of spectrophotometric methods for determination of six antipsychotic drugs in bulk, spiked human plasma and pharmaceutical formulations based on charge transfer complexation", *Journal of Chemical and Pharmaceutical Research*, 2016, 8(2):397-412
- 10) **Rofaida A. Salem**, Mohamed A. Eldawy, Mohamed A. Elkersh and Mervat H. El-Hamamsy; "Spectrofluorometric determination of drugs containing  $\alpha$ -methylene carbonyl functional group using N<sup>1</sup>-methylnicotinamide chloride as a fluorogenic agent", *ACAIJ*, 16(2) 2016 [071-079].

## **Gained experiences:**

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Teaching different courses of pharmaceutics for undergraduate and postgraduate students:

### **I. Undergraduates courses**

- Pharmaceutical Organic chemistry 1 (for 1<sup>st</sup> level pharm D program, 1<sup>st</sup> level pharm D clinical program, 1<sup>st</sup> year, for 1<sup>st</sup> level Clinical pharmacy, B.sc. of pharmacy program, 2016 bylaw and 1<sup>st</sup> year, B.sc. of pharmacy program, 2012 bylaw) for academic years; 2017,2018,2019,2020,2021,2022
- Pharmaceutical Organic chemistry 2 (for 1<sup>st</sup> level pharm D program, 1<sup>st</sup> level pharm D clinical program, 1<sup>st</sup> year, B.sc. of pharmacy program, 2016 bylaw and 1<sup>st</sup> year, B.sc. of pharmacy program, 2012 bylaw) for academic years; 2017, 2018, 2019, 2020, 2021, 2022.
- Medicinal chemistry 1 (for 3<sup>rd</sup> level pharm D program, 4<sup>th</sup> level Clinical pharmacy) for academic years; 2017, 2018, 2019, 2020, 2021, 2022.
- Medicinal chemistry 2 (for 3<sup>rd</sup> level pharm D program, 4<sup>th</sup> level Clinical pharmacy) for academic years; 2017, 2018, 2019, 2020, 2021, 2022.
- Pharmaceutical chemistry (for third year, B.sc. of pharmacy program, 2012 bylaw) for academic years; 2017, 2018, 2019, 2020, 2021, 2022.
- Pharmaceutical chemistry 1 (for third year, B.sc. of pharmacy program, 2016 bylaw) for academic years; 2017, 2018, 2019, 2020, 2021, 2022.
- Pharmaceutical chemistry 2 (for third year, B.sc. of pharmacy program, 2016 bylaw) for academic years; 2017, 2018, 2019, 2020, 2021, 2022.

- Pharmaceutical chemistry 3 (for fourth year, B.sc. of pharmacy program, 2016 bylaw) for academic years; 2017, 2018, 2019, 2020, 2021, 2022.

## **2. Post Graduate**

1. Participation in the teaching of **Advanced Organic Pharmaceutical Chemistry 2 and Advanced Medicinal Chemistry 2** courses within the doctoral courses for the academic year 2018-2019.
2. Master's Supervisor/ Moataz Ahmed Shalldam, in a course on selected topics in Pharmaceutical Chemistry within the doctoral courses for the academic year 2018-2019.
3. Supervising the preparation of a scientific symposium in the specialization for students of the master's program in the Department of Pharmaceutical Chemistry, in the academic years from 2020 until now
4. Participation in the teaching of **advanced medicinal chemistry 1** courses for students of the master's program in the Department of Pharmaceutical Chemistry, in the academic years from 2019 until now.
5. Participation in the teaching of **advanced organic pharmaceutical chemistry 1 and advanced drug design courses** within the master's courses in the academic years from 2019 until now
6. Participation in teaching the courses of **the spectral identification of organic compounds** for students of the master's program in the Department of Pharmaceutical Chemistry, in the academic years from 2019 until now
7. Contribute to the committee for supervising master's and doctoral theses on students

## **Administrative Activities**

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1. Director of the "**Measurement and Evaluation Unit**" at Faculty of Pharmacy - Kafr El-Sheikh University since 2019 until now
2. Participation in the work of the **Quality Assurance Unit** and responsible for academic standards since 2017 until now, and the college obtained accreditation by the National Quality Assurance Authority.
3. **Quality management standard** coordinator in the quality assurance unit at Faculty of Pharmacy - Kafr El-Sheikh University since 2019 until now
4. Participation as a working member of the College's Community "**Service and Environmental Development Committee**"
5. Participation as an active member of the "**Academic Advising Committee**".
6. Participation as an active member of the "**Post Graduate Studies**" Committee