

## C.V.



### PERSONAL DATA:

**NAME:** Wegdan M. Lotfi Abdel-Khalek  
**BIRTHDATE:** 11/01/1958  
**NATIONALITY:** Egyptian  
**ADDRESS:** 76 Green Heights Compound  
6<sup>th</sup> October- Cairo  
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### EDUCATION:

- **Ph.D. in Physical Chemistry** from the Faculty of Science, Cairo University, 1999. Title of thesis; “ Physico-chemical Studies on the Formation and Structure of TiO<sub>2</sub> Gel in Different Media”. Supervised by Prof.Dr. Motaza Khater and Prof. Dr. Farkhonda Hassan. Approved by Prof. Dr. Laurie Ninesto, University of Finland, Finland, and Prof. Dr. Pilar Malet, University of Seville, Spain.
- **Member of the Egyptian Society of Analytical Chemistry since 1999.**
- **M.Sc. in Solid State Physics** from The American University in Cairo, 1990. Title of thesis; “Crystallographic Transformations in Amorphous Titania Gels to the Anatase and Rutile Modifications”. Supervised by Prof. Dr. Jehane Ragai.
- **B.Sc. in Chemistry** from the American University in Cairo, 1979.
- **Thanaweya Amma** from Port-Said School, Zamalek.

## **WORK EXPERIENCE:**

- **2005 –present; Full-time faculty member at the Ahrm Canadian University, Faculty of Pharmacy.** Teaching Pharmaceutical Analytical I for PharmD for first year Pharmacy students and the Scientific Thinking course for second year students.
- **Teaching Critical Thinking for the Faculty of Oral and Dental Medicine.**
- **Director of the Office of International Relations – OIR at the Ahrm Canadian University.**
- Vice president of the Organizing Committee of the 2<sup>nd</sup> International Pharmaceutical Conference in the Faculty of Pharmacy, IPCACU-2018, "*Challenges in Future Pharmaceutical Trends*", November 14-15, 2018 Cairo, Egypt.
- One of the organizing members responsible for the Faculty of Pharmacy acquiring the National Quality Accreditation Certificate. Which was bestowed on the Faculty in May 2019.
- Initiated and is the official coordinator of the first diploma in our Faculty of Pharmacy. The PPD “Professional Pharmaceutical Diploma” targets fresh graduates and employees in the pharmaceutical industry to improve their skills for the job requirements.
- Initiated and implemented an English course for Pharmacy students together with the English Department at ACU.
- The official LOTUS USAID Scholarship Program coordinator for the Ahrm Canadian University. Full supervision of an exceptional group of 30 students covered by a USAID scholarship in all the four faculties of the university.
- Member of the Organizing Committee of the First International Conference at Al Ahrm Canadian University...NTPMR 2016. Carried out the negotiations needed to include Bayer... Eva... Sedico...Pharmamix and Veolia as official sponsors for the Conference. Was able to invite as prominent Speakers Prof. Dr. Wahid Doss [Head of the National Institute for Liver Diseases]...Prof. Dr. Ayman Nour ELDin [Associate Dean Of School of Pharmacy Chapman University South California.
- Head of the Emergency/Disaster Committee at the Faculty of Pharmacy since 2010-2014.
- Reviewer for Talanta and the “Journal of Chromatographic Science”- JCS.
- Co-supervised a Ph.D. student Omar Zaki for thesis titled “Use of TiO<sub>2</sub> Gels and other Physical and Chemical Means to Activate Carbon

- Prepared from Organic Matter”.
- Responsible and general supervisor of the Faculty of Pharmacy Magazine “ACUPA” since the University was established.
  - Initiated a Protocol of Cooperation with the Ministry of Environment and helped establish, on the ACU premises, the first air monitoring station in the 6<sup>th</sup> of October that covers the Industrial Zone.
  - Totally responsible for the 2010 ACU Job Fair. Established the team and executed/ implemented a system for the process.
  - 1999- Spring 2017; Adjunct faculty member at the Chemistry Department of the American University in Cairo.
  - Teaching Astronomy 109 “ Exploration of the Universe” Science 109 course. Prepared the contents of the course, course material and text book. Organized trips to visit the Library of Alexandria including the Planetarium and sky watching in Sakkara.
  - Teaching chemistry 104 “Man and Environment” course. Aiming at teaching science to non-science students. Organized field trips for the students to visit protected areas in Egypt as well as recycling plants and National Cement factories. Established course contents and chose textbook and all materials for the course.
  - Consultant at LIFE: a US-aid environmental project "Lead Pollution Clean-Up in Qalyoubia" targeting lead pollution in industrial zones, till 2007.
  - March 2005; Part-time faculty member at MSA University at the Faculty of Dentistry and Pharmacy, responsible for putting the analytical chemistry syllabus for the Pharmacy Accreditation/validation with Greenwich University. Teaching general chemistry for first year undergraduates.
  - Author of an educational children’s environmental book “GAIA and Me” under the Ministry of Environmental Affairs.
  - Author of a series of environmental books with ELIAS Publishing Company.
  - February 2003-June 2004; Consultant at CAIP, Cairo Air Improvement Project, and EEPP – Egyptian Environmental Policy Program; working on the Lead Abatement Project, U.S.AID. During the project’s work I was directly involved in a number of reports; On Site and Off site Lead Contamination Assessment of a Secondary Smelter – Sampling and Analysis plan – Site Characterization Report - Study of Remediation Alternatives – Blood Lead Screening Epidemiological Study – Risk Assessment – National Remediation Guidelines.
  - 1995-1999; Instructor, at The American University in Cairo teaching the following labs; freshman chemistry [chem.115], sophomore analytical chemistry [chem.216], junior in-organic and analytical chemistry [chem.318] and instrumental chemistry [chem.311].
  - 1982-1995; Laboratory assistant teaching many different chemistry labs at AUC.

## **PUBLICATIONS:**

1. *Wegdan Lotfi, Omar Zaki, Nahed Yacoub, Adham Ramadan, Motaza Khater, Jehane Ragai.*

**“Preparation and Characterization of Chemically Activated Carbon Prepared from Doum Seeds Grown in Egypt and their Potential as Phenol Adsorbents”**  
**International Journal of Green Chemistry and Bioprocess, 8(1):1-8 [2018].**

2. *Wegdan Lotfi, Omar Zaki, Nahed Yacoub, Adham Ramadan, Motaza Khater, Jehane Ragai.*

**“Preparation and Activation of Carbon Originating from Roselle Stalk Agricultural Raw Material Grown in Egypt: Physical and Chemical Activation”**  
**International Journal of Porous Materials, 6(1):1-12 [2018].**

3. *Zeinab Safar, Mounir Labib, Wegdan Lotfi, Mohamed Khalil.*

**“Characterization of Contamination around the Largest Lead Smelter in Egypt done through a Cooperation Program between USA and Egypt”,**  
**FACTS Reports, Field Actions Science Reports: The Journal of Field Actions-Veolia Environment Institute, Volume 7 [2014].**

4. *Fatma Sami , Wegdan L. Abdel Khalek, Wafaa A. Tawfik, Amira A. Habib, A.A. Abdel Migid.*

**“Ecophysiological and Chemical Studies on Haematoxylum Campechianum Trees Cultivated in Egypt”,**  
**Egypt. Pharm. J. (NRC), Vol.9, No.2, pp. 105-116 [2010].**

5. *Wegdan Lotfi, Rasmia A. Hassan, Wafaa A. Tawfik, Amira A. Habib.*

**"Determination of Natural Colors by Thin Layer Chromatography",**  
**Journal of Applied Sciences Research, 4(12): 2013-2017, [2008].**

6. *Amira A. Habib, Nahla S. Abdel-Azim, Wegdan Lotfi, Khaled A. Shams and Nahed M. Hassan.*

**"Evaluation of Narcissus tazetta Under Different Habitats",**  
**Asian Journal of Chemistry, Vol. 19, No. 6, 4586-4592, [2007].**

7. *Zeinab Safar, Wegdan Lotfi.*

“ Screening Epidemiological Study: blood lead levels in the vicinity of a lead smelter”

WIT Transactions on Ecology and the Environment, The Air Pollution XVI, WIT Press,

Vol 86, 761-776 [2006].

8. *Jehan Ragai, Wegdan Lotfi.*

“Effect of Preparative pH and Aging Media on the Crystallographic Transformation of Amorphous Titania to Anatase and Rutile”, Colloids and Surfaces Journal, [1991].

9. *Wegdan Lotfi.*

“Saving Shoubra El-Kheima”, Daring to Care: Environmental Concerns, A Publication of the Association of International Civil Servants (AFICS-Egypt),[2011].

## **LIST OF CONFERENCES**

- 1. Omar Zaki, Motaza Khater, Adham Ramadan, Wegdan Lotfi, Jehane Ragai.**  
**“Preparation and Activation of Carbon originating from Agricultural Waste Material**  
**[Doum Seed, Date palm Stalk and Roselle Stalk],**  
**PACN Congress on Agricultural Productivity, Water and Waste, Addis Ababa, Ethiopia [November 2012].**
- 2. Zeinab Safar, Mounir Labib, Wegdan Lotfi, Mohamed Khalil.**  
**“Characterization of Contamination around the Largest Lead Smelter in Egypt done through a Cooperation Program between USA and Egypt”**  
**A & W M A's – Air and Waste Management Association - 99th Annual Conference , New Orleans, USA, [June 2006].**
- 3. Zeinab Safar, Wegdan Lotfi.**  
**“ Screening Epidemiological Study: blood lead levels in the vicinity of a lead smelter”**  
**Air Pollution XVI - Southampton, U.K. [May 2006].**
- 4. Wegdan Lotfi, Motaza Khater, Farkhonda Hassan.** **“ Kinetic Studies on the Crystallographic Transformation of Titania Gels”**  
**The Sixth International Symposium on Kinetic Studies In Analytical Chemistry in Kassandra, Greece, sponsored by University of Ioannina, [Septmber 1998].**

## **PROFESSIONAL ACTIVITIES:**

- 1. Supervised Ph. D. Thesis by Omar Zaki and is acknowledged. The thesis is entitled “ Use of Titania Gels and other Physical and Chemical Means to Activate Carbon Prepared from Organic Matter”, Faculty of Science, Cairo University [2012].**
- 2. Delivered two lectures for the General Lecture Series at AUC attended by six hundred students taking the Scientific Thinking course. The Lecture was titled "The Universe and Us", April [2009].**
- 3. Presented a paper on "Identification of Natural Products by TLC Scanning", at The Third International Conference of Pharmaceutical and Drug Industries Division, the National Research Center, March, [2007].**
- 4. Presented a study “Environmental Assessment of a Secondary Lead Smelter Situated in Shoubra El Kheima – A Case Study” at the National Research Center First International Environmental Conference in Cairo – 6<sup>th</sup> of June [2004].**
- 5. Presented the “ Methodology for Collection of the Blood and Environmental Samples” according to the sampling scheme of the blood lead study and domestic environmental sampling of the exposed area surrounding a secondary smelter, May [2004].**
- 6. Presented the “Site Investigations Required for the Risk Assessment” under CAIP during the Lead Remediation and Risk Assessment Seminar in September [2003].**
- 7. Presented a paper on “Effect of Aging Media on the Crystalline Transformation of Titania Gels; Infrared Studies” in the Fifth International Symposium on Analytical Chemistry at Cairo University in cooperation with the European Division of Analytical Chemistry, January [2000].**

**MEMBER OF:**

- **Member of the Ahrum Canadian University Council from Spring 2019 till present.**
- **Member of the Ahrum Canadian University Faculty of Pharmacy Council since the establishment of the Faculty 2005 – till Fall 2012.**
- **Member of the Egyptian Society of Analytical Chemistry since 1999 – till present.**
- **Member of VWS University Club since 2009 – till 2014. Veolia is a multinational Water company with the Head Office in Paris. The VWS Club has members of academia from Europe and only one representative from Africa - Egypt. Workshops are attended every year to review the latest developments in water technologies.**
- **Member of Egypt's International Economic Forum [2009 – 2010].**
- **Member of the Eisenhower Fellowships Nominating Committee [March 2004- 2007].**
- **Member of the Shoubra El Kheima Environmental Committee at the National Council for Women – during 2005.**

**LANGUAGES:**

**Fluent Arabic and English, written and spoken.  
Average French.**

**COMPUTER SKILLS:**

**Word and Net Surfing, Power Point and Excel.**



