



## (Curriculum Vitae Ahmed Farouk Al-Hossainy)

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Name **Ahmed Farouk Al-Hossainy**  
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Title Lecturer in Chemistry Department, Faculty of Science Aswan 2005, Lecturer in Science and Mathematics Department, Faculty of Education, New Valley, Assiut University 2010. Assistant Professor in Science and Mathematics Department, Faculty of Education New Valley Branch, Assiut University 10/2010, and Assistant Professor in Chemistry Department, Faculty of Science, New Valley Branch, Assiut University 2013 until 2018. Professor of Inorganic & Applied Nanotechnology, Chemistry Department, Faculty of Science, New Valley University, New Valley, El-Kharga, from 2018 till now.

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**Within the American Stanford University list of the best 2% of the world's scholars for the three years corresponding 2020, 2021, 2022.**

### Qualifications:

Qualification	Date	General Specialization	Specific Specialization	Institution	Place
Professor	27/11/2018	Chemistry	Inorganic & Applied Nanotechnology	New Valley	Egypt
Assistant Professor	31/10/2010	Chemistry	Inorganic & Analytical Environment	Assiut	Egypt
Lecture	23/5/2005	Chemistry	Inorganic Chemistry – Phosphine compounds	South Valley	Egypt
Assistant Lecture	25/3/2001	Chemistry	Inorganic Chemistry	South Valley	Egypt
Teaching Assistant	4/1/1996	Chemistry	Inorganic Chemistry	South Valley	Egypt

### Experiences:

Title	Place	Institution	College	Dept.	From D/M/Y	To D/M/Y
Professor	New Valley	New Valley	Science	Chemistry	27/11/2018	now
Assistant Professor	Assiut	Assiut	Science	Chemistry	31/10/2010	27/11/2018
Lecture	Assiut	Assiut	Science	Chemistry	1/6/2010	31/10/2010
Assistant Lecturer	Aswan	South Valley	Science	Chemistry	23/5/2005	15/4/2007
Instructor	Aswan	South Valley	Science	Chemistry	25/3/2001	23/5/2005
	Aswan	South Valley	Science	Chemistry	4/1/1996	25/3/2001



## Scientific Researches: Single and Joint Researches (130 Papers)

- [1] M.H. Abdel-Aziz, H.A. Maddah, M. Sh. Zoromba, **A. F. Al-Hossainy**, One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications, Alexandria Engineering Journal, Available online 18 November (2022).
- [2] A. R. Ghazy, M. G. Shalaby, A. Ibrahim, A. ElShaer, Y. A-G. Mahmoud, **A. F. Al-Hossainy**, Synthesis, structural and optical properties of Fungal biosynthesized Cu<sub>2</sub>O nanoparticles doped Poly methyl methacrylate -co- Acrylonitrile copolymer nanocomposite films using experimental data and TD-DFT/DMOl3 computations, Journal of Molecular Structure, 1269 (2022)133776 .
- [3] A.R. Ghazy, **A.F. Al-Hossainy**, H.F. Rizk, S. Shendy, Synthesis, characterization, TD-DFT method, and optical properties of novel nanofiber conjugated polymer, Synthetic Metals 291(2022) 117206.
- [4] M. Ahmed, Y. M. Al-Hadeethi, A. Alshahrie, A. T. Kutbee, **A. F. Al-Hossainy**, E. R. Shaaban, The role of cobalt to control the synthesis of nanoscale Co/UiO-66 composite for photocatalysis, Journal of the American Ceramic Society, 105 (2022) 7043-7052.
- [5] S.M. Ibrahim, **A.F. Al-Hossainy**, B. Saha, M.A. El-Aal, Removal of bromothymol blue dye by the oxidation method using KMnO<sub>4</sub>: Accelerating the oxidation reaction by Ru (III) catalyst, Journal of Molecular Structure 1268 (2022) 133679.
- [6] N. Almutlaq, M. M. Elshanawany, M. Sayed, O. Younis, M. Ahmed, J. Wachtveitl, M. Braun, M. S. Tolba, **A. F. Al-Hossainy**, A. A. Abozeed, Synthesis, structural, TD-DFT, and optical characteristics of indole derivatives, Current Applied Physics, 45 (2022) 86-98.
- [7] W. Jamshed, M.R. Eid, **A.F. Al-Hossainy**, Z. Raizah, E.S.M. Tag El Din, T. Sajid, Experimental and TDDFT materials simulation of thermal characteristics and entropy optimized of Williamson Cu-methanol and Al<sub>2</sub>O<sub>3</sub>-methanol nanofluid flowing through solar collector, Scientific Reports, 12 (2022), 1-23.
- [8] E.M.F. Halium, H. Mansour, N. Alrasheedi, **A.F. Al-Hossainy**, TD-DFT calculations and two-dimensional poly (ortho phenylenediamine-co-meta-phenylene diamine) for polymeric solar cell applications, Chemical Papers, 76 (2022), 6175-6191.
- [9] A. A. Abozeed, O. Younis, **A. F. Al-Hossainy**, N. Abd El-Mawla, M. Sayed, A. M. Kamal El-dean, M. S. Tolba, Combined experimental and TD-DFT/DMOl3 investigations, optical properties, and photoluminescence behavior of a thiazolopyrimidine derivative, Scientific Reports, 12 (2022) 1-16.
- [10] R. T. Mogharbel, **A. F. Al-Hossainy**, A. Ibrahim, M. A. El-Aal, M. Sh. Zoromba, S. M. Ibrahim, A. Yahia, N. Farhan, Synthesis, structural and optical characterizations of ZrO<sub>2</sub>-bromothymol blue nanocomposite thin-film [ZrO<sub>2</sub>+ BTB]<sup>C</sup> and its application: experimental and TDD-DFT computations, Journal of Materials Science: Materials in Electronics, 33 (2022) 20556-20576.
- [11] A. Abozeed, M. Sayed, O. Younis, M. S. Tolba, R. Hassanien, A. M. Kamal El-Dean, S.M. Ibrahim, A. Salah, A. Shakir, R. El-Sayed, Y. A El-Ossaily, **A. F. Al-Hossainy**, Characterization and optical behavior of a new indole Schiff base using experimental data and TD-DFT/DMOl3 computations, Optical Materials, 131 (2022) 112594.
- [12] A. Ibrahim, **A. F. Al-Hossainy**, Study of the structural characteristics, optical properties, and electrical conductivity of doped [P(An-MMa)/ZrO<sub>2</sub>]TF nanofiber composite using experimental data and TD-DFT/DMOl<sup>3</sup> computations, Environmental Science and Pollution Research, (2022) 1-19.
- [13] H. Mansour, E. M.F. Abd El Halium, N. F.H. Alrasheedi, M. Sh. Zoromba, **A.F. Al-Hossainy**, Physical properties and DFT calculations of the hybrid organic polymeric nanocomposite thin film [P (An+ o-Aph)+ Glycine/TiO<sub>2</sub>]/HNC with 7.42% power conversion efficiency, Journal of Molecular Structure, 1262 (2022)133001 .
- [14] M.G. Shalaby, **A.F. Al-Hossainy**, A.M. Abo-Zeid, H. Mobark, Y.A.G. Mahmoud, Combined Experimental Thin Film, DFT-TDDFT Computational Study, structure properties for [FeO+ P<sub>2</sub>O<sub>5</sub>] bio-nanocomposite by Geotrichum candidum and Environmental application, Journal of Molecular Structure, 1258 (2022) 132635.
- [15] M.S. Zoromba, H.A. Maddah, M.H. Abdel-Aziz, **A.F. Al-Hossainy**, Physical structure, TD-DFT computations, and optical properties of hybrid nanocomposite thin film as optoelectronic devices, Journal of Industrial and Engineering Chemistry, 112 (2022) 106-124.



- [16] O. Younis, **A.F. Al-Hossainy**, M. Sayed, A.M.K. El-dean, M.S. Tolba, Synthesis and intriguing single-component white-light emission from oxadiazole or thiadiazole integrated with coumarin luminescent core, *Journal of Photochemistry and Photobiology A: Chemistry*, 431 (2022)11399 .
- [17] H.M. Ali, S.M. Ibrahim, E.F.A. Zeid, **A.F. Al-Hossainy**, M. Abd El-Aal, A comparative study of Cu-anchored 0D and 1D ZnO nanostructures for the reduction of organic pollutants in water, *RSC Advances*, 12 (2022) 16496-16509
- [18] H. M. Ali, M. A. El-Aal, **A. F. Al-Hossainy**, S. M. Ibrahim, Kinetics and mechanism studies of oxidation of dibromothymolsulfonphthalein toxic dye by potassium permanganate in neutral media with the synthesis of 2-bromo-6-isopropyl-3-methyl-cyclohexa-2,5-dienone, *ACS Omega*, (2022) 1-7.
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- [21] A. Attar, R. D. Alharthy, M. Zwawi, M. Algarni, F. Albatati, M. Bassyouni, M. H. Abdel-Aziz, M. Sh. Zoromba, **A.F. Al-Hossainy**, Fabrication, characterization, TD-DFT, optical and electrical properties of poly (aniline-co-para nitroaniline)/ZrO<sub>2</sub> composite for solar cell applications, *Journal of Industrial and Engineering Chemistry*, 109 (2022) 230-244.
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- [41] **A.F. Al-Hossainy**, M.S. Zoromba, Synthesis, structural, time-dependent density-functional theory, thermal annealing and optical properties for doped polymer nanostructured thin films as optoelectronic devices, *POLYMER-KOREA*, 45 (2021) 541-551.
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- [44] M.R. Eid, K.L. Mahny, **A.F. Al-Hossainy**, Homogeneous-heterogeneous catalysis on electromagnetic radiative Prandtl fluid flow: Darcy-Forchheimer substance scheme, *Surfaces and Interfaces*, 24 (2021) 101119.
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## Written and Translated Books:

1. General Chemistry for The Preparatory Year Student, King of Saudi Arabia, Northern Border University, Deanship of Preparatory Year and Supportive Studies, Basic Science Department. **2<sup>nd</sup> Edition 2017.**
2. General Chemistry for The Preparatory Year Student, King of Saudi Arabia, Northern Border University, Deanship of Preparatory Year and Supportive Studies, Basic Science Department. **1<sup>st</sup> Edition 2015.**
3. All course syllabus in inorganic and Organometallic compound, King of Saudi Arabia, Northern Border University, Faculty of Science, Chemistry Department, **2011- 2012.**
4. All course syllabus in Inorganic Chemistry, Assiut University, Faculty of Education in New Valley, Egypt, Science and Mathematics department, **2010-2011.**
5. All course syllabus in inorganic and Organometallic compound, Volumetric analysis, Hodeida University, Faculty of Education in Zabid, Yemen, **2007-2009.**
6. All course syllabus in Organometallic compound, South Valley University – Faculty of Science-Aswan- Egypt, **2005- 2007.**



7. All course syllabus in practical's chemistry, Inorganic branch, South Valley University, Faculty of Science, Chemistry Department, Aswan, Egypt, **2005- 2007**

## Training Courses:

1. Training Course in "Teaching with Technology and Electronic Learning" Nov., 7-11 2005 at South Valley University, Aswan Egypt.
2. Training Course in "Effective Communication Skills" June, 18-23 2005 South Valley University, Aswan, Egypt.
3. Training Course in "Effective Teaching Skills" Oct., 9-13 2004 South Valley University, Aswan, Egypt.
4. Training course in "Methods of Scientific Research" Oct., 3-5 2004 at South Valley University, Aswan, Egypt.
5. The first level of Dutch language 2003, May, 15 to June, 15 2003 at Dutch Language Center, South Valley University.
6. The leadership preparation course Oct., 30 to Nov., 11 2002 at Helwan Institute of Leaders Preparation, Ministry of Higher Education, Helwan, Egypt.
7. The training course in "Preparation of the University Teaching Staff Members" May, 16-26 1998, Faculty of Education, South Valley University, Aswan, Egypt.

## Supervision of P.G Research:

No	Degree	Title of Thesis	Supervised by
1-	Master	Recent trends in the determination of heavy and trace metals in some kinds of the Egyptian and imported meat by stripping voltammetry analysis and atomic absorption.	Farouk Abd Alkarium, Mahasen M. A., <b>Ahmed F. Al-Hossainy</b>
2-	Master	Electroanalytical Studies on Some Drugs.	Adila E. Mohamed <b>Ahmed F. Al- Hossainy</b>
3-	Master	Determination some heavy metals in serum of patients with chronic hepatitis C and chronic hepatitis B using differential pulse adsorptive stripping voltammetric measurement and atomic absorption spectrophotometry.	Mohamed N. R., Mahasen M. A., <b>Ahmed F. Al-Hossainy</b>
4-	Master	Physico studied of some transition element compound and application.	Gehad G. Mohamed Fatma S. M. Hassan, <b>Ahmed F. Al-Hossainy</b>
5-	Master	Determination some heavy metals in serum of patients with Cancer using differential pulse adsorptive stripping voltammetric measurement and atomic absorption spectrophotometry.	Adila E. Mohamed <b>Ahmed F. Al- Hossainy</b>



## Papers in Conferences, Seminars, Symposiums and Workshops:

Paper	Event	Place	Date
Simultaneous determination of Cd, Pb, Cu, Sb, Bi, Zn, Mn, Ni, Co and Fe in water samples of Nile River (Egypt) for the years 2006-2007 by differential pulse stripping voltammetry	Oral in International Conference on chemistry Chem06 "Contemporary chemistry and Environment"	Cairo	1-4 March 2010
Synthesis and optical properties for crystals of a novel inorganic semiconductor [Co(Cl) <sub>2</sub> {(Ph <sub>2</sub> P) <sub>2</sub> CHC(R <sub>1</sub> R <sub>2</sub> )NHNH <sub>2</sub> }	Oral in International Conference in Chemistry	Makkah	15-16 April 2007
Electroanalytical studies of azo sulpha drugs. Application to novel P[P <sup>-</sup> -(2-Pyrimidino-) sulfonamide benzene]-(4-az0-3-methyl-N-Phenyl-2 pyrazoline-5-one)]	Organizing and attending Oral in the fifth international conference of electrochemistry (ICEV)	Luxor	13-16 February, 2006
The 2 <sup>nd</sup> Scientific Conference of Chemistry (ASCC), Faculty of Science, South Valley University,	Organizing and attending	Aswan	March, 25 2005.
The 1 <sup>st</sup> Scientific Conference of Chemistry (ASCC), Faculty of Science, South Valley University,	Organizing and attending	Aswan	March, 25 2004.
Synthesis and Cyclic Voltammetric Studies of Novel Cyclic Diphosphine Carbon in their Complexes	Poster in 7th ICCRD Mansoura & Sharm El-Sheikh, Papers published in other Periodicals	Mansoura	April 14-17, 2003
Potentiometric studies on Mixed Ligand Complexes of Some Platinum Group Metal Ions".	The 6th International Conference on Chemistry and Its Role Development Faculty of Science, University of Mansoura	Mansoura	April 16-19, 2001

## Scientific Organizations Membership:

Name of Organization	Arabic/Foreign
1. Member of the American Chemical Society	America
2. Member of the Egyptian Chemical Society	Cairo, Egypt
3. Member of "The Quality Assurance and Accreditation Program" (QAAP)	South Valley University, Aswan, Egypt
4. Researcher in the Allaqi Biosphere Reserve, Allaqi project	South Valley University, Aswan, Egypt
5. Member of The Scientific Advisor Committee (SAC) Aswan governorate	Aswan Egypt



## Activities:

1. **Lecturer in the "Educational Quality Program"** for Science Teachers, Ministry of Education, Egypt.
2. **Lecturer in Teaching with Technology Program and chemical software learning**, Chemistry Department, Aswan Faculty of Science, Aswan, Egypt.
3. Operator of the Spectral Analysis instruments (IR, NMR, UV-Visible spectrometer, LCMS, GCMS, GC. GPC) and analytical instruments (Stripping voltammetry and Atomic absorption).
4. The **first level of Dutch language** 2003, May 15 to June 15 2003 at Dutch Language Center, South Valley University.
5. **The leadership preparation course** Oct. 30 to Nov. 11 2002 at Helwan Institute of Leaders Preparation, Ministry of Higher Education, Helwan, Egypt.

## Administrative Experiences:

Position	Institution	From M / Y	To M / Y
<b>Dean of Vice International Ranking of New Valley University</b>	New Valley University, El-Kharga New Valley, Egypt.	72511, 20/11/2022	Till now
<b>Dean of Faculty of Pharmacy</b>	New Valley University, El-Kharga New Valley, Egypt.	72511, 15/11/2022	Till now
<b>Vice Dean for Education and Student Affairs</b>	Faculty of Pharmacy, New Valley University, El-Kharga 72511, New Valley, Egypt.	6/2021	15/11/2022
<b>Head of Department</b>	King of Saudi Arabia, Northern Border University, Deanship of Preparatory Year and Supportive Studies, Basic Science Department	11/5/2017	4/2021
<b>ISO 9001:2008 Quality Internal Auditor Course</b>	Northern Border University	20/4/2014	21/4/2014
<b>Head of Section Assiut University, Assiut, Egypt</b>	1-Vice President the Quality Assurance and Accreditation Program" (QAAP) in Continuous Improvement and Qualifying for Accreditation Program (CIQAP)	22/11/2010	10/8/2012
	2-Head of Scientific research group in (CIQAP)	1/9/2010	15/12/2010
	3- Head of Academic standards group in (CIQAP)	15/12/2010	10/8/2011
<b>South Valley University, Aswan, Egypt</b>	1-Vice President the Quality Assurance and Accreditation Program" (QAAU) in Continuous Improvement and Qualifying	5/10/2006	5/10/2009





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2- Coordinator of the Department of Chemistry in (QAAU) 23/11/2004 5/10/2006

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## Certifications and Academic Experiences:

- 1- Certificate of Achievement for satisfactory completion the training program “**How to get Publish**” The Saudi Digital Library, by Dr. Abdul hamed M. Al Suliman. 09 December 2015.
- 2- Certificate of Achievement for satisfactory completion the training program “**Royal Society of Medicine Journals**” The Saudi Digital Library, by Dr. Abdul hamed M. Al Suliman. 10 November 2015.
- 3- Certificate of Achievement for satisfactory completion the training program “**Springer eBooks and SpringerLink**” The Saudi Digital Library, by Dr. Abdul hamed M. Al Suliman. 4 November 2015.
- 4- Certificate of Achievement for satisfactory completion the training program “**Taylor and Francis eBooks**” The Saudi Digital Library, by Dr. Abdul hamed M. Al Suliman. 25 November 2015.
- 5- Certificate of Achievement for satisfactory completion the training program “**The basics of scientific research**” The Saudi Digital Library, by Dr. Abdul hamed M. Al Suliman. 17 November 2015.
- 6- Certificate of Achievement for satisfactory completion the training program “**The Saudi Digital Library Your Gateway to the Knowledge World**” The Saudi Digital Library, by Dr. Abdul hamed M. Al Suliman. 22 November 2015.
- 7- Certificate of Achievement for satisfactory completion the training program “**Oxford online academic studies have not been tested before**” The Saudi Digital Library, by Dr. Abdul hamed M. Al Suliman. 18 November 2015.
- 8- Certificate of Achievement for satisfactory completion the training program “**Organizer indexes**” The Saudi Digital Library, by Dr. Abdul hamed M. Al Suliman. 27 November 2015.
- 9- Certificate of Achievement for satisfactory completion the training program “**The role of virtual platforms in the management and knowledge economy**” The Saudi Digital Library, by Dr. Abdul hamed M. Al Suliman. 24 July 2018.
- 10- Certificate of Achievement for satisfactory completion the training program “**Skills and review of research literature**” The Saudi Digital Library, by Dr. Abdul hamed M. Al Suliman. 22 July 2018.

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