

CURRICULUM VITAE



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Associate Professor of Inorganic and Analytical Chemistry
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Personal Data :
Date of Birth: July 1st, 1972
Citizenship: Yemen
Status: Married (2 sons, 1 daughter)

Education:

Ph.D. in Inorganic and Analytical Chemistry University of Minoufia, Science college, Egypt.	April. 2011
M.Sc. in Inorganic and Analytical Chemistry University of Minoufia, Science college, Egypt.	Dec. 2006
B.Sc. in Chemistry/Biology, University of Sana'a, Science college, Yemen	July 1994

Employment Record:

Head of Chemistry Department, Science College. Ibb University, Yemen	Nov. 2019
Head of Chemistry Department, Education College. Ibb University, Yemen.	
Manager of high study Chemistry Department, Faculty of Science	Oct. 2014
Assistant Professor, Chemistry department, Science College, Ibb University	Feb, 2012
Associate Professor, Chemistry department, Science College, Ibb University	May. 2011
Vice of dean for academic development and quality in science college, (30/10/2016-present)	Sep, 2017
Head of Pharmacy Department, Medical College. I.M.U, Yemen.	Aug, 2019

Key Academic Skills:

- 1-Good Computer and Internet Skills.
- 2-Good Speaking and Writing knowledge of English and Excellent in Mother Tongue of Arabic.

Current areas of research

1- ISEs Technique:

A PVC membrane electrode for magnesium ion based on 2,3,5-tri phenyl tetrazolium chloride as ionophore, dibutyl sebacate (DBS) as plasticizer and sodium tetraphenylborate (NaTPB) as anion discriminator. The liquid membrane electrode exhibits a rapid and almost Nernstian response for Mg^{+2} ion over a wide concentration range 1×10^{-6} to 1×10^{-1} M with the slope of 29 ± 1 mV per decade.

2- Water Analysis:

The concentration of different heavy metals on drinking water by analysis the different samples of water using Spectrophotometer, Atomic Absorption and comparison between different data for five years using statistical method.

3- Electropolymerisation :

Poly 2,7-diaminofluorene (PDAF)/Au modified electrode was prepared using 2,7-diaminofluorene (DAF) dissolved in acetonitrile (ACN) containing 0.1 M $LiClO_4$ using consecutive multisweep cyclic voltammetry (CV) and controlled potential electrolysis (CPE) techniques. Factors affecting the film formation, such as limits of potential cycling, sweep rate, number of sweeping cycles, monomer concentration, and also polymerization techniques were examined in detail. It was found that the optimum conditions, using a potentiodynamic technique on Au electrode as the working electrode, are by sweeping the potential between -200 mV and 800 mV at a sweep rate of 50 mV/s for 10 cycles using 5 mM DAF monomer solution.

3- Complexes formation:

Study the formation of new ligands and complexes from Aminofluorenone as monomer. Study the mechanism on these complexes with calculation the bond lengths, bond angles, charges.

University Service:

- 1- Member of the Council of Science college, Ibb University (oct.2016- present).
- 2- Member of the Council of Faculty of Science, Ibb University, (May.201- present).
- 3- Member in post graduate at chemistry department (2012- 2015)
- 4- Member in post graduate council in Ibb University (2016)
- 5-Head of the Council of Department of Chemistry , Education college, Ibb University (Nov. 2014 - 2016).
- 6-Member of the Council of Faculty of Education, Ibb University, (Nov. 2014 - 2016).

Teaching Experience:

Undergraduate Courses

Course	Department	College	University	Year
1- General chemistry (1)	Chemistry	Science, Education	Ibb	2011
2- General chemistry (2)	Microbiology	Science	Ibb	2011
3- Atomic structure	Chemistry	Science	Ibb	2011- present
4- Radioactive chemistry	Chemistry	Science, Education	Ibb	2011- present
5- Representative element	Chemistry	Science, Education	Ibb	2011-now
6- Transition elements	Chemistry	Science, Education	Ibb	2012-now
7- Industrial chemistry	Chemistry	Science	Ibb	2012-now
8- Pollution chemistry	Chemistry	Science	Ibb	2013
9- Bioinorganic chemistry	Chemistry	Science	Ibb	2014-2015
10- General chemistry	Dentistry	Dentistry	Ibb	2015-2016
11- General chemistry	Pharmaceutical	Pharma	Al-Jazeera	2015
12- General chemistry	Pharmaceutical	Pharma	Nationality	2015
13- General chemistry	Dentistry	Medical coiiege	I.M.U	2018-Now
14- General chemistry	Pharmaceutical	Medical coiiege	I.M.U	2018-Now
15- General chemistry	Health food	Medical coiiege	I.M.U	2018-Now
16- General chemistry	lab	Medical coiiege	I.M.U	2018-Now
17- Analytical chemistry	Lab	Laboratory college	Ibb	2018-2019
18- Analytical chemistry	Lab	Medical coiiege	I.M.U	2018-Now

Post graduate Courses

Course	Department	College	Year
1- Lanthanides and actinides	Chemistry	Science	2013-present
2- Advanced inorganic analysis	Chemistry	Science	2014 -present
3- Advanced inorganic chemistry	Chemistry	Science	2015-present

Memberships:

- 1- Editorial board member in journal of applied sciences, London, British
- 2- Professional education member in American Chemical society
- 3- Member in Yemeni Chemical Society& Safety.
- 4- Editorial board member and reviewer in journal of Science publishing group, USA
- 5- Editorial board member in journal of Science Alert.

Publications:

Papers included in Ph.D thesis and the others are:

- 1- **F.A. Asswadi^{a,*}**, U.S. Yousef ^a, A.S. Hathoot ^a, M. Abdel Azzem ^a, A. Galal, Arabian journal of chemistry ((Electropolymerization of diamino fluorene and its electrochemical properties (Accepted 27 March, on line 2012).
- 2- **F.A. Asswadi^{a,*}**, U.S. Yousef ^a, A.S. Hathoot ^a, M. Abdel Azzem ^a, A. Galal, American Journal of analytical chemistry (Electrochemical preparation and characterization of diamino fluorene , Accepted 13/1/2011 and published, vol. 2, No 8).
- 3- **Fuad Ali Asswadi^{a,*}**, Magdi Abdel Azzem^a, Journal of International Institute of Chemical, Biological & Environmental Engineering, New Electrochemical polymerization of 1-amino fluorenone, conference 30 Dec).
- 4- **F.A. Asswadi^{a,*}**, M. Abdel Azzem^a, A. Al-Hinai, (International Journal of Emerging Technology and Advanced Engineering, Theoretical study on the electrochemical behavior of 2,7-Diamino fluorene) (Accepted, September 23, 2013) .
- 5- **Fuad. A. Asswadi^{*}**, Esam.Y. Al- naham, Fathy.A. Abeed, (International Journal of Emerging Technology and Advanced Engineering, ISEs use to determine Mg(II) ion based on active substance as carriers, V 4, 2014.
- 6- **Asswadi FA¹**, Abeed FA¹, AL- Naham EY¹, International Journal of Pharmaceutical research and Bio-Science, Volume 3(5), 330-340,2014.
- 7- **F. A. Asswadi^{*}**, International Journal of Scientific & Engineering Research, ISEs use to determine (Vitamin B₆) , 7, Issue 8, August-2016, ISSN 2229-5518
- 8- **Fuad A. Asswadi^{*}**, Ali H. Aldhamri, Fathy A. Abeed, Science Journal of Chemistry, Novel anodic oxidation of 1-amino-9-fluorenone and its electrochemical behavior, 2015; 3(2): 18-22
- 9- Nashwa M. H. Rizk, Fathy A. EL-Sayed, Ayman M. M. Sawan, **Fuad A.A.Asswadi**. " Haemostatic agent as new ionophore for selective determination of copper in waste water". The 2nd International Conference on Biotechnology and Environmental Safety (ICBES), 6-8 May (2014).

Others:

1- The theses

- 1-Supervisor on M.Sc thesis in ion selective electrodes 31/12/2014, Ibb University.
- 2-Examination committee on M.Sc degree in inorganic chemistry 12/1/2015, Ibb University
- 3- Examination committee on M.Sc degree in inorganic chemistry 16/7/2017, Sana'a University
- 3- Examination committee on M.Sc degree in Biochemistry /5/2019, Ibb University

2- Reviewer of paper publication at journals

- 1- Electrochemical high energy deposition of CdSe nano structure modeling, synthesis and characterization, Authors name: Liubov Maliy, Anatoliy Mamaev, Vera Mamaev, published in Journal of applied electrochemistry, Springer Publisher
- 2- Novel carbon porous material with nanostructural for separation of Arsenic(III) from water with highest adsorption capacity, Authors name: H. Ghafourian, M. Rabbani, Z. Ghazanfari, International journal of Environmental Chemistry, Science PG.
- 3- Reviewer articles for Associate Professor from Sana'a University
Dr. Yassmen Jameel, Inorganic chemistry
- 4- Reviewer articles for Associate Professor from Hodidah University
Dr. Mohammed Ghalib, Inorganic chemistry

3- Awards of papers

- 1- International Publications Awards of Cairo university on the paper title Electropolymerization of diaminofluorene, Authors name: F. A. Asswadi, U.S. Yousef, A.S. Hathoot, M. Abdel Azzem and A. Galal, Arabian Journal of Chemistry Vol. 10 Issue 2, Nov. 2016.

Certificates:

- 1- Certificate from EduSystems in the operation of computers in Chemistry experiments in 1998.
- 2- Certificate from G.T. Z in P.R.A in 1998.
- 3- Certificate from Ibb University in 22-5-1999.
- 4- Certificate from faculty of Science – Ibb University 6-4-2000.
- 5- Certificate from Ibb University in 8-6-2000.
- 6- Certificate from faculty of Science – Ibb University 2000-2001.
- 7- Certificate from Chemistry department –Science College –Ibb University 2002.
- 8- Certificate from Medical Microbiology 2003.
- 9- Certificate from Ebnal-Yemen in Egypt for M. Sc. 2006.

- 10- Certificate from Yemen Embassy in Egypt- Cairo 22-5- 2009.
- 11- Certificate from Ebnal-Yemen in Egypt for Ph.D. in 2010.
- 12- Participation certificate in the work shop for developing the faculty of education strategy, 4-6 /6 /2016.
- 13- Participation certificate in the work shop for evaluation and design of the university entrance examination , 12-14 / 7 /2016.
- 14- Participation certificate in course titled(the effectiveness teaching skills, 12-14/12 /2016.
- 15- Certificate of appreciate of biochemistry students in 2016
- 16- Certificate of appreciate of education chemistry students in 2016
- 17- Certificate of appreciate of science chemistry students in 2016

Website

- 1-www.researchgate.com
- 2-www.pscipub.com
- 3-www.Yemen society of chemical safety and security
- 4- www.sciencepublishinggroup.com
- 5- www.scienceAlert.com