

CURRICULUM VITAE



Tarek Ahmed Ibrahim Yousef

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Career Objective: To work in an organization that cherishes the spirit of innovation and rejuvenation, I am looking for a culture that built on principles & development. I am seeking new challenges which effectively utilize and increase my experience and my skills.

Personal Data:

<u>Date of birth</u>	13/3/1978
<u>Place of birth</u>	Saudia Arabia
<u>Country of nationality</u>	Egypt
<u>Gender</u>	Male
<u>Address</u>	Egypt, Dakahlia Governorate, El Mansoura, Mogma Elmahakm 19 El safa St.
<u>Country</u>	Egypt
<u>Military Status</u>	Passed
<u>Marital status</u>	Married

Education ^{(1, 2):}

<u>High School</u>	El Malek El Kamel
<u>Grade</u>	92 %
<u>University</u>	B. Sc. Science
<u>Degree University</u>	Mansoura University
<u>Faculty</u>	Science
<u>Department</u>	Chemistry
<u>Graduation Project</u>	Iron complexes and their importance in chemistry and Biochemistry (Excellent Grade)
<u>Grade</u>	Very Good with grade honor (79.8 %)
<u>Graduation year</u>	May 1999
	- Post Graduate studies in Inorganic chemistry (2001)
	- Master degree in Inorganic chemistry entitled "Physicochemical studies on some hydrazones and their metal complexes" (12/2005).
<u>Higher Studies</u>	- Ph.D. degree in Inorganic chemistry entitled "Physicochemical studies on some thiosemicarbazides derivatives of some toxic transition metals and their analytical and biological applications". (7/2010)
	Arabic – Mother tongue
<u>Spoken Languages</u>	English – Degree: Fluent (Local TOEFL).

Training:

<u>Computer Courses</u>	<ul style="list-style-type: none">- ICDL.- Internet.- Statistical Orgin pro.8 program- Computational Chemistry Programs (Hyperchem, Chem office, Isis, Chem lab.... etc)
<u>Technical courses</u>	<ul style="list-style-type: none">- Chemicals & fertilizers industry - El Nasr Co for chemicals & fertilizers (Talkha factory).- Different methods of chemicals & fertilizers analysis - El Nasr Co for chemicals & fertilizers.- Different methods of Drugs & poisons separation & analysis - Drugs & poisons labs. In ministry of justic (Mansoura lab.).- Lab management and information system course
<u>Special Skills</u>	<ul style="list-style-type: none">- Have a very good awareness and sensitive handling with various analysis instruments.- Good communication skills.- Analytical thinking.- Fast continual self-developing.- The ability and power to develop people.

Working Experiences:

(1) Faculty of science ^(1,2)

* From 2001 to 2005: (Scholarship for M.Sc. in faculty of science, chemistry department, Mansoura University) as a demonstrator.

Job description (JD):

- Teaching students of faculties of science, and education all practical chemistry courses.
- Sharing in establishing new courses for the faculty of science students.
- Responsible for final evaluation of the students in all laboratory activities.
- Sharing in teaching the students the research and abstract needed for graduation projects.
- Sharing in students' families aiming to increase their awareness of industrial needs.
- Sharing in projects that link the researches with the practical life.
- Managing all labs chemicals and waste.
- Managing all safety rules in the laboratories.

(2) Medicolegal Administration / Egypt ⁽³⁾

From 3/4/2004 till 14/8/2015
Expert in Toxic and Narcotic drug.

(3) Teaching

From 1/9/2010 till 1/6/2015
Teaching in Higher Institute of Engineering and Technology
From 23/8/2015 till now
Teaching as assistant prof in Department of Chemistry, Science College, Al Imam
Muhammad Ibn Saud Islamic University, (IMSIU), Riyadh, Saudi Arabia

Referents:

- 1- **Prof. Dr. Gaber M. I. Abou El Reash; Professor of Inorganic Chemistry, Faculty of Science, Mansoura University, Egypt.**
Tel.: 002 01000373155 E-mail: gaelreash@mans.edu.eg
- 2- **Prof. Dr. Shaban E. Ghazy; Professor of Analytical Chemistry, Faculty of Science, Mansoura University, Egypt.**
Tel.: 002-0105840141 E-mail: shabaneghazy@yahoo.com
- 3- **Prof. Dr. Usama El Ayaan; Professor of Inorganic Chemistry, Faculty of Science, Mansoura University, Egypt.**
Tel.: 00965055901011 E-mail: uelayaan@kfu.edu.sa

Conferences:

- 9th International Conference on Chemistry and its Role in Development
Department of Chemistry, Faculty of Science, Mansoura University,
Mansoura, Egypt 2007.
- Workshop under the title "E- Learning and free resources on line" Nile Academy
for Science Public Relations, Monday 16TH of June 2008
- 10th International Conference on Chemistry and its Role in Development
Department of Chemistry, Faculty of Science, Mansoura University,
Mansoura, Egypt 2009.
- 4th International Conference of the Egyptian Forensic Medicine Authority
Modern Techniques in Forensic Sciences April 2010.
- Workshop under the title "Value of laboratory accreditation in toxicological
analysis" faculty of Medicine, Mansoura University April 2012.

- 11th International Conference on Chemistry and its Role in Development Department of Chemistry, Faculty of Science, Mansoura University, Mansoura, Egypt 2013.
- Forensic Toxicology Traineeship at the Institute of Legal Medicine and Forensic Science, Charite University Berlin Germany 28 May- 7 June 2013.
- Workshop under the title "Molecular Modeling: Theory and Applications" National Research Center, Cairo- Egypt June 2014.

Supervisions of Post Graduate Students

Name of Candidate	Degree	Thesis Title	Date of awarding degree
Reham El Morshedy	M.Sc	Physicochemical and biological studies on the metal complexes of some new thiosemicarbazones	11/2012
Ramy Ahmed	M.Sc	Studies on the ligitional behaviour of thiosemicarbazones toward some transition metal ions	12/2012
Sara Ahmed Fathy	Ph.D	Physicochemical and Biological studies on some nitrogen and sulpher containing compounds	10/2014
Mona Ahmed	M.Sc	Structural, analytical and biological studies on some hydrazones metal complexes	10/2014
Basm Mohamed Ali	M.Sc	Structural, quantum and biological studies on some on metal complexes of hetero cyclic thiosemicarbazide	11/2015
Mohamed Mostafa El Gamil	Ph.D	Structural, theoretical and biological studies on some on metal complexes of some pyridyl and benzoyl thiosemicarbazide derivatives	Under Supervision

List of Publications

1- Flotation separation of mercury(II) from environmental water samples using thiosemicarbazide derivatives as chelating agents and oleic acid as surfactant.

Ghazy, Shaban E.; El-Reash, Gaber Abu M.; Al-Gammal, Ola A.; **Yousef, Tarek**

Chemical speciation and bioavailability, Volume 22, Number 2, June 2010, pp. 127-134(8)

2- Flotation-Separation of Toxic Metal Ions from Aqueous Solutions Using Thiosemicarbazide Derivatives as Chelating Agents and Oleic Acid as Surfactant.

Shaban El-Sayed Ghazy, Gaber Mohamed Abu El-Reash, Ola Ahmed Al-Gammal, and **Tarek Yousef**

European Journal of Chemistry, Vol 1, No 2 (2010)

3- *In vitro* and *in vivo* antitumor activity of some synthesized 4-(2-pyridyl)-3-Thiosemicarbazides derivatives

Tarek A. Yousef, Farid A. Badria, Shabane E. Ghazy, Ola A. El-Gammal and Gaber M. Abu El-Reash

International Journal of Medicine and Medical Sciences Vol. 3(2), 37-46, (2011)

4- Spectral, magnetic, thermal, molecular modelling, ESR studies and antimicrobial activity of (E)-3-(2-(2-hydroxybenzylidene) hydrazinyl)-3-oxo-n(thiazole-2-yl) propanamide complexes

R. R. ZAKY and **T. A. Yousef**

Journal of Molecular Structure 1002, 76-85, (2011)

5- Synthesis, spectroscopic characterization, pH-metric and thermal behavior on Co(II) complexes formed with 4-(2-pyridyl)-3-thiosemicarbazide derivatives

T. A. Yousef, O. A. El-Gammal, S. E. Ghazy, G. M. Abu El-Reash

Journal of Molecular Structure 1004, 271–283, (2011)

6- First row transition metal complexes of (E)-2-(2-(2-hydroxybenzylidene) hydrazinyl)-2-oxo-N-phenylacetamide complexes

T. A. Yousef, G. M. Abu El-Reash, T. H. Rakha, Usama El-Ayaan

Journal of Spectrochimica Acta Part A 83 (2011) 271– 278

7- Synthesis, spectroscopic characterization and thermal behavior of metal complexes formed with (Z)-2-oxo-2-(2-(2-oxoindolin-3-ylidene)hydrazinyl)-N-phenylacetamide (H₂O)

T. A. Yousef, T. H. Rakha, Usama El-Ayaan and G. M. Abu El-Reash

Journal of molecular structure, 1007, 11 (2012) 146–157

8- Heterocyclic substituted thiosemicarbazides and their Cu(II) complexes: Synthesis, spectral characterization, thermal, molecular modeling and DNA degradation studies

O. A. El-Gammal, G. M. Abu El-Reash, S. E. Ghazy and **T. A. Yousef**

Journal of coordination chemistry, Vol. 65, No. 10, (2012), 1655–1671

9- Co(II), Cd(II), Hg(II) and U(VI)O₂ Complexes of o-hydroxyacetophenone[N-(3-hydroxy-2-naphthoyl)] hydrazone: Physicochemical Study, Quantum-Chemical Simulation and Antimicrobial Activity

R. R. Zaky, **T. A. Yousef** and K.M. Ibrahim

Journal of spectrochimica acta, 97, (2012) 683-94.

10- Co(II), Cu(II), Cd(II), Fe(III) and U(VI) complexes containing a NSNO donor ligand: Synthesis, characterization, optical band gap, in vitro antimicrobial and DNA cleavage studies

T. A. Yousef, G. M. Abu El-Reash, O. A. El-Gammal and R. A. Bedier

Journal of molecular structure, 1029, (2012) 149–160

11- Quantum chemical calculations, Experimental investigations and DNA studies on (E)-2-((3-hydroxynaphthalen-2-yl)methylene)-N-(pyridin-2-yl)hydrazinecarbothioamide and their Mn(II), Ni(II), Cu(II), Zn(II) and Cd(II) complexes

T. A. Yousef, G. M. Abu El-Reash and R. M. El Morshedy

Polyhedron, 45, (2012) 71–85

12- Cr(III), Mn(II), Ni(II), Zn(II) and Hg(II) complexes containing a NSNO donor ligand: Synthesis, characterization, optical band gap, in vitro antimicrobial and DNA cleavage studies

T. A. Yousef, G. M. Abu El-Reash, O. A. El-Gammal and R. A. Bedier

Journal of molecular structure, 1035 (2013) 307–317

13- Structural, spectral analysis and DNA studies of heterocyclic thiosemicarbazone ligand and its Cr(III), Fe(III), Co(II) Hg(II), and U(VI) complexes

T. A. Yousef, G. M. Abu El-Reash and R. M. El Morshedy

Journal of Molecular Structure 1045 (2013) 145–159

14- Structural and biological evaluation of some metal complexes of vanillin-4N-(2-pyridyl) thiosemicarbazone

T.A. Yousef, G. M. Abu El-Reash, M. Al-Jahdali and El-Bastawesy R. El-Rakhawy

Journal of Molecular Structure 1053 (2013) 15–21

15- Computational studies of the first order kinetic reactions for mononuclear copper(II) complexes having a hard-soft NS donor ligand

R. R. Zaky, **T. A. Yousef** and A. M. Abdelghany

Journal of Spectrochimica Acta Part A 130 (2014) 178–187

16- Synthesis, spectral characterization and biological evaluation of Mn(II), Co(II), Ni(II), Cu(II), Zn(II) and Cd(II) complexes with thiosemicarbazone ending by pyrazole and pyridyl rings

T. A. Yousef, G. M. Abu El-Reash, M. Al-Jahdali and El-Bastawesy R. El-Rakhawy

Journal of Spectrochimica Acta Part A 129 (2014) 163–172

17- Structural, spectral, thermal and biological studies on 4-hydroxyacetophenone 4N-(2-pyridyl)thiosemicarbazone (H₂PHAT) and its metal complexes

T. A. Yousef, G. M. Abu El-Reash, M. Al-Jahdali and E. R. El-Rakhawy

Spectrochimica Acta Part A, 133 (2014) 568–578

18- Structural, DFT and biological studies on Cu(II) complexes of semi and thiosemicarbazide ligands derived from diketo hydrazide

T.A. Yousef, O.A. El-Gammal, Sara F. Ahmed, G.M. Abu El-Reash

Polyhedron, 81 (2014) 749–763

19- Structural, DFT and biological studies on Co(II) complexes of semi and thiosemicarbazide ligands derived from diketo hydrazide

T.A. Yousef, O.A. El-Gammal, Sara F. Ahmed, G.M. Abu El-Reash

Journal of Molecular structure, 1076 (2014) 227–237

20- Synthesis, biological and comparative DFT studies on Ni(II) complexes of NO and NOS donor ligands

T.A. Yousef, O.A. El-Gammal, Sara F. Ahmed, G.M. Abu El-Reash

Spectrochimica Acta Part A, 135 (2015) 690–703

21- Structural, spectral, thermal and biological studies on (Z)-N-benzoyl-N'-(2-oxo-2-(phenylamino)acetyl)carbamohydrazonothioic acid (H₂PABT) and its Cd(II), Hg(II), Zn(II) and U(VI)O₂²⁺ complexes

T.A. Yousef, O.A. El-Gammal, Sara F. Ahmed, G.M. Abu El-Reash

Spectrochimica Acta Part A, 146 (2015) 228–239.

22- Synthesis, spectral characterization, computational calculations and biological activity of complexes designed from NNO donor Schiff-base ligand

Ola A. El-Gammal, G.M. Abu El-Reash, **T.A. Yousef** and M. Mefreh

Spectrochimica Acta Part A 146 (2015) 163–176.

23- Comparative ligational, optical band gap and biological studies on Cr(III) and Fe(III) complexes of hydrazones derived from 2-hydrazinyl-2-oxo-N-phenylacetamide with both vanillin and O-vanillin

T.A. Yousef, G.M. Abu El-Reash, M.I. Attia, M.N. El-Tabai

24- Elaborated studies on Nano-sized homo-binuclear Mn(II), Fe(III), Co(II), Ni(II) and Cu(II) complexes derived from N₂O₂ Schiff base, thermal, molecular modeling, drug likeness and spectral

Reem K. Shaha, Khlood S. Abou-Melhab, Fawaz A. Saada, **Tarek Yousef**, Gamil A.A. Al-Hazmi, Marwa G. Elghalban, Abdalla M. Khedr, and Nashwa El-Metwaly

Journal of Thermal Analysis and Calorimetry 123 (2016) 731–743.

25- Characterization, Quantum, Antibacterial, Antifungal, Antioxidant and acute toxicity studies on Hg and Cd complexes of allyl and ethyl thiosemicarbazides derived from 2-aminothiazole-4-yl aceto hydrazide

T. A. Yousef, G. M. Abu El-Reash, H. I. El-Sayad, O. A. El-Gammal and B. M. Sharaa
Egyptian Journal of Basic and Applied Sciences 3 (2016) 44–60.

26- Semi - and thiosemicarbazide Mn(II) complexes: characterization, DFT and biological studies.

T. A. Yousef, O.K. Alduaij, Sara. F. Ahmed, G. M. Abu El-Reash and O. A. El-Gammal
Journal of Molecular structure 1119 (2016) 351-364.

27- Structural, DFT and biological studies on Cr(III) complexes of semi and thiosemicarbazide ligands derived from diketo hydrazide

T. A. Yousef, O.K. Alduaij, Sara. F. Ahmed, G. M. Abu El-Reash and O. A. El-Gammal
Journal of Molecular structure 1125 (2016) 788-799.

28- Semiempirical studies, spectral analysis, in vitro antibacterial and DNA degradation studies of heterocyclic thiosemicarbazone ligand and its metal complexes

T. A. Yousef, O.K. Alduaij, G. M. Abu El-Reash and R. M. El Morshedy
Journal of Molecular liquid 222 (2016) 762–776.

29- Synthesis, Structural, optical band gap and biological studies on iron (III), nickel (II), zinc (II) and mercury (II) complexes of benzyl α -monoxime pyridyl thiosemicarbazone

R. A. Bedier, **T. A. Yousef**, G. M. Abu El-Reash and O. A. El-Gammal
Journal of Molecular structure 1139 (2017) 436–446.

Under publications:

1- Evaluation of cytotoxic, antioxidant and antimicrobial activities of (E)-N`-(1(pyridine-2yl) ethylidene)benzohydrazide complexes

Toxicological and Environmental chemistry, under review

2- Synthesis, spectral characterization, DFT and biological studies on Cr(III) and Fe(II) complexes of allyl and ethyl thiosemicarbazide

European Journal of Medicinal Chemistry, under review

Books:

1-**T. A. Yousef**, G. M. Abu El-Reash and S. E. Ghazy “Comprehensive Bioactive Thiosemicarbazides & Analytical Studies” **ISBN** 978-3-8484-8076-0, Book, LAP Lambert Academic Publishing GmbH & Co. KG, VDM Verlagsservicegesellschaft mbH, Heinrich-Böcking-Straße 6-8, D - 66121 Saarbrücken (2012)

2- **T. A. Yousef**, Gaber Abou El Reash and Mutlak Al-Jahdali “Spectral studies and biological evaluation of some metal complexes” **ISBN:** 978-3-330-05218-5 Book, LAP Lambert Academic Publishing GmbH & Co. KG, VDM Verlagsservicegesellschaft mbH, Heinrich-Böcking-Straße 6-8, D - 66121 Saarbrücken (2017)

Referee in many International Journals:

- *Journal of coordination Chemistry*
- *Journal of spectrochimica acta*
- *Journal of Molecular Structure*
- *European Journal of Medicinal Chemistry*
- *Iranian Polymer Journal*
- *International Research Journal of Pharmacy and Pharmacology*
- *Journal of Petroleum and Gas Exploration Research*