

## PERSONAL INFORMATION

## Mostafa Shawky Eraky Mohamed



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✉ [mostafashawki87@yahoo.com](mailto:mostafashawki87@yahoo.com)

Sex: **Male** | Date of birth: **01/03/1987** | Nationality: **Egypt**

Marital status: **Married** | Military status: **Exemption**

### EDUCATION

### (Reverse Chronological)

From 03 / 2017 12 / 2020	<b>PhD Studies</b> in physical chemistry (Solar Cell Applications) – <a href="#">Menoufia University</a> & <a href="#">CMRDI</a>
From 02 / 2019 To 09 / 2019	<b>PhD Fellowship</b> at Opto Lab.- Institute of Institute of Electronic, Microelectronic and Nanotechnology ( <a href="#">IEMN</a> ) – Lille – France.
From 09 / 2013 To 01 / 2016	<b>Master of Science</b> in physical chemistry (Solar Cell Applications) – <a href="#">Menoufia University</a> & <a href="#">CMRDI</a> (1/2016)
From 9 / 2011 To 05 / 2013	<b>Pre-master Studies</b> – <a href="#">Monoufia University</a> – Chemistry Department – Good in (9 / 2008)
From 09 / 2004 To 09 / 2008	<b>Bachelor of Science</b> – <a href="#">Menoufia University</a> – Chemistry Department – Excellent with degree of honor (88.6 %) in (9 / 2008)

### WORK EXPERIENCE

### (Reverse Chronological)

From 04 / 2016 Up to now	<b>Job title: Assistant Researcher</b> <b>Place:</b> Central Metallurgical Research and Development Institute ( <a href="#">CMRDI</a> ), El- Tebeen - Helwan – Cairo – Egypt
From 07 / 2012 To 04 / 2016	<b>Job title: Researcher Assistant</b> <b>Place:</b> Central Metallurgical Research and Development Institute ( <a href="#">CMRDI</a> ), El- Tebeen - Helwan – Cairo – Egypt
From 02 / 2012 To 07 / 2012	<b>Job title: Chemist</b> <b>Place:</b> Blood Bank, <a href="#">Menoufia University Hospital</a> – Monoufia – Egypt
From 04 / 2011 To 01 / 2012	<b>Job title: Specialist (chemist)</b> <b>Place:</b> Egyptian Atomic Energy Authority ( <a href="#">AEA</a> )
From 11 / 2008 To 10 / 2010	<b>Job title: Quality Engineer</b> <b>Place:</b> International Company for Mining and Investment ( <a href="#">ICMI</a> ), El-Sadat town - Menoufia

**TRAINING****(Chronological)**

DATE	COURSE NAME	PLACE
(6,7)/2008	Peptide Synthesis	Peptide chemistry department National Research Center ( <a href="#">NRC</a> ) - Egypt
(9-12)/2010	Cycle of Human Development	National Research Center ( <a href="#">NRC</a> ) - Egypt
(24-27)/12/2010	Biological Safety	American Research Institute ( <a href="#">NAMERO 3</a> ) - Abasyia - Cairo - Egypt
(4-12)/1/2011	Nanotechnology	Central Metallurgical Research and Development Institute ( <a href="#">CMRDI</a> ), Helwan - (Egypt)
(14-18)/1/2011	Renewable Energy	New and Renewable Energy Authority ( <a href="#">NREA</a> ) - Cairo - Egypt
(20-25)/1/2011	Analytical and Organic Chemistry Basics	Petroleum Research Institute ( <a href="#">EPRI</a> ) - Cairo - Egypt
(26-30)/1/2011	Fermentation Processes	<a href="#">VACSERA</a> - Giza - (Egypt)

**PERSONAL SKILLS**

Mother tongue	Arabic				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
English	Listening	Reading	Spoken Interaction	Spoken Production	
	B1	B2	B2	B1	B2
<b>IELTS Certificate (Score 5.5), 18-06-2016</b>					
French	A1	A2	A2	A1	A2
Communication Skills	<ul style="list-style-type: none"> <li>Good communication skills gained through my experience in previous work</li> <li>Good command of quality control processes</li> </ul>				
Job-Related Skills	<ul style="list-style-type: none"> <li>Worked also as a lecturer in special centers, give lectures in Physical Chemistry, Thermodynamics, Solid State Chemistry, Inorganic Chemistry, Electrochemistry, Analytical Chemistry</li> </ul>				
Career Related Experience Processes	<ul style="list-style-type: none"> <li>Chemical Precipitation, Filtration, Titration, Chemical Bath Deposition (CBD), Hydro/Solvothermal, Sol-Gel Solid State, Dipping, Calcination Processes, Cyclic voltammetry, Galvanostatic, Potentiostatic Electrodeposition, Electrochemical Impedance Spectroscopy (EIS) Measurements, Magnetron Sputtering Physical Vapor Deposition (PVD), Lithography, Current Voltage Characteristics (I-V) Measurements, Spin Coating, Print Screening, Thin Films Thickness Measurement, Annealing Processes</li> </ul>				
Equipments & Tools	<ul style="list-style-type: none"> <li>SEM, Different Models Of UV-VIS-NIR Spectrophotometers, Different Models Of Potentiostat/Galvanostat EIS, Conductivity Meter, Different Models Of Solar Simulators, Different Models Of Glove Boxes, Thickness Measurement Apparatus, Lithography, Different pH Meters, Thermal Annealing &amp; Heat Treatment Machines, Tube Furnaces &amp; Ovens</li> </ul>				
Hobbies	<ul style="list-style-type: none"> <li>Reading scientific and literature books, playing football and listening to music</li> </ul>				

## **ADDITIONAL INFORMATION**

**Conferences** ▪ I've participated in **Five** international conferences and **many** workshops:-

1. The First International Conference on Advanced Basic & Applied Sciences (**ABAS**) including Egyptian-Sweden Workshop on Advanced Materials - Hurghada - Egypt (6-8 November 2012), **Participation with a poster** (<http://allevents.in/hurghada/1st-international-conference-on-advanced-basic-and-applied-sciences-abas-including-egyptian-sweden-w/415892041779248>)
2. The Fifth International Conference for Water, Energy, Climate and Food Nexus in the Arab Countries - (15, 16 March, 2015) Cairo University – Cairo, Egypt, **Oral presentation** (Synthesis of  $\text{Cu}_2\text{SnSe}_3$  nanostructure for solar cell energy applications (<http://www.ausde.org/>))
3. The 9<sup>th</sup> International Conference on Nano-Technology in Construction (NTC) (17-21 March, 2017), Sharm El-Sheikh, Egypt, **Oral presentation** (Synthesis, Characterization and Photo-electrochemical Performance of  $\text{Cu}_2\text{SnSe}_3$  and  $\text{Ag}_8\text{SnSe}_6$  Nano-powders for Solar Cell Applications) (<http://www.ntchbrc.com/>)
4. The 4<sup>th</sup> International Conference on Advanced Sciences (ICAS4), (7-10 November, 2017), Hurghada, Egypt, **Oral presentation** (Synthesis, Characterization and Performance of  $\text{Cu}_2\text{SnSe}_3$  for Solar Cell Application) (<http://icas4.webs.uvigo.es/>)
5. The 10<sup>th</sup> international on Nano-Technology in Construction (NTC) (13-17 April 2018), Hurghada, Egypt, **Oral presentation** (Synthesis, Characterization and Photoelectrochemical Performance of  $\text{Cu}_2\text{SnSe}_3$  and  $\text{Ag}_8\text{SnSe}_6$  Nanopowders for Solar Cell Applications) (<http://www.ntchbrc.com/>)

**Presentations** ▪ I've performed more than **Ten** presentations in different scientific events including M.Sc., PhD thesis registration, discussion, and three internal projects.

### **Workshops**

- **German Science Day** workshop at The German Academic Exchange Service (**DAAD**) in Egypt (28th May 2016) (<http://www.dwz-kairo.de/content/german-science-day-2016>)
- **Italian-Egyptian** Workshop in solar energy and related materials (17-19/10/2016), **Participation with a poster**, (Synthesis, characterization and electrochemical performance of  $\text{Cu}_2\text{SnSe}_3$  and  $\text{Ag}_8\text{SnSe}_6$  for solar cell application) (<http://images.usc.edu/uploads2/files/Brochure%20Registration%20Form.pdf>)
- **Egyptian National Research Centre (NRC)** workshop about writing , Papers, Theses, Proposal for Grants
- I've attended **six scientific modules** in the German Academic Exchange Service (**DAAD**) in Cairo about Academic Skills, Soft Skills and Intercultural Competence by experienced German and Egyptian trainer staff
- The new trends in Nanotechnology Workshop, CMRDI, Cairo, Egypt
- Academy of Scientific and Research Development (ASRT) workshop in using Endnote and Mendeley programs for references, ASRT, Cairo, Egypt

## Publications

▪ I've published **Four** papers in impacted journals and **One** in conference: -

1. **Mostafa Shawky**<sup>1,\*</sup>, Atef Shenouda<sup>1</sup>, El-said El-shereafy<sup>2</sup>, and Ibrahim Ahmed Ibrahim<sup>1</sup>, Synthesis, Characterization and Performance of  $\text{Cu}_2\text{SnS}_3$  for Solar Cell Application, International Journal of Scientific & Engineering Research, Volume 6, Issue 7, July-2015, 1447, [ISSN 2229-5518](#) (**Frist & Corresponding author**)
2. **Mostafa Shawky**<sup>1,\*</sup>, Atef Shenouda<sup>1</sup> and Ibrahim Ahmed Ibrahim<sup>1</sup>, Synthesis, characterization and electrochemical performance of  $\text{Cu}_2\text{SnSe}_3$  for solar cell application, Journal of Renewable Energy and Sustainable Development (RESO), Volume 3, Issue 3, December 2017 - ISSN 2356-8569, [doi: 10.21622/RESO.2017.03.3.244](#) (**Frist & Corresponding author**)
3. Mostafa Shawky<sup>1,\*</sup>, Atef Shenouda<sup>1</sup> and Ibrahim Ahmed Ibrahim<sup>1</sup>, Synthesis, Characterization and Photoelectrochemical Performance of  $\text{Cu}_2\text{SnSe}_3$  and  $\text{Ag}_8\text{SnSe}_6$  Nano-powders for Solar Cell Application, ICAS4 conference (**Frist & Corresponding author**)
4. **Mostafa Sh. Eraky**<sup>1,a,\*</sup>, Atef Y. Shenouda<sup>2,b</sup> and Ibrahim A. Ibrahim<sup>3,c</sup>, El-Sayed E.El-Shereafy<sup>4,d</sup>, [Synthesis, Characterization and Photoelectrochemical Performance of  \$\text{Cu}\_2\text{SnSe}\_3\$  and  \$\text{Ag}\_8\text{SnSe}\_6\$  Nanopowders for Solar Cell Applications](#) (**Frist & Corresponding author**)
5. **M. S. Eraky**,<sup>1</sup> M. M. S. Sanad,<sup>1,a,\*</sup> E. M. El-Sayed,<sup>1</sup> Atef Y. Shenouda,<sup>1</sup> and El-Sayed El-Shereafy<sup>2</sup>, Phase transformation and photoelectrochemical characterization of Cu/Bi and Cu/Sb based selenide alloys as promising photoactive electrodes, AIP Advances, Volume 9, October 2019, [doi: 10.1063/1.5120318](#) (**Frist author**)

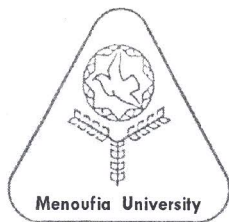
## Projects

▪ I've Completed **Three** indoor research projects and enrolled in another **Two**: -

1. Synthesis and Characterization of  $\text{Cu}_2\text{SnS}_3$  and  $\text{Ag}_2\text{SnS}_3$  Compounds for Solar Cells Energy Application
2. Synthesis and characterization of copper and silver tin selenide compounds for solar cells application
3. A study on the physical and electrochemical properties of  $\text{CuBi}_x\text{Sb}_{1-x}\text{Se}_2$  Compound for Solar Cells Energy Application
4. Processing and characterization of different chalcogenide compounds for photo-electrochemical applications

## Scholarships

- I've acquired a full two years **M. Sc. scholarship** entitled **Scientists of Next Generation (SNG)**, fully funded by the Egyptian Academy of Scientific Research and Technology ([ASRT](#)) at the Egyptian Atomic Energy Authority ([EAEA](#)), Anshas, El Sharkeya, Egypt in October 2010, I did not complete it because I've employed at CMRDI.
- I've acquired a full three years **PhD scholarship** funded by **Taiwan** government, but not enrolled in it due because of financial obstacles.
- I've completed a **six months PhD fellowship** funded by the Egyptian Ministry of Higher Education and Scientific research ([MHESR](#)), at the **Institute of Electronic, Microelectronic and Nanotechnology (IEMN)**, Lille, France (from 02-2019 to 09-2019).



Menoufia University

Faculty of Science

**STUDENT ACADEMIC RECORDES IN B.S.C., STUDIES**

Student No : -- / 2004 / 1

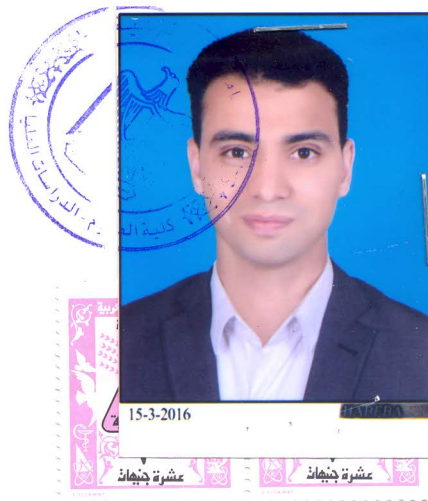
Department : **Chemistry.**

Student Name : **Mostafa Shawky Eraky Mohamed .**

Date and place of Birth : **1/3/1987 , Shobrabass , Shebin El-Kom , Menoufia , EGYPT .**

Date of joining the University : **2004/2005 .**

Date of Graduation : **May 2008 .**



( 1 ) Academic Year : 2004 / 2005						Term ( 1 )					
No	Course	Code	Hours	Degree	Grade	No	Course	Code	Hours	Degree	Grade
1	Principles of Physical Chemistry	CH111	4	385	Excellent	1	Thermodynamic (1)	CH211	2	170	Excellent
2	Principles of Inorganic Chemistry	CH122	2	186	Excellent	2	Non Transition Elements Chemistry	CH223	2	178	Excellent
3	Analytical Chemistry (1)	CH135	2	179	Excellent	3	Fundamentals of Physical Organic Chemistry	CH245	2	150	Very Good
4	Qualitative Chemistry	CH134	1	93	Excellent	4	Practical Analytical Chemistry (1)	CH126	2	197	Excellent
5	Principles of Organic Chemistry	CH143	2	143	(Good)	5	Analytical Chemistry (2)	CH234	2	175	Excellent
6	Practical Organic Chemistry (1)	CH147	2	180	Excellent	6	Aliphatic Chemistry	CH246	2	171	Excellent
7	General Mathematics (1)	M119	2.5	213	Excellent	7	Aromatic Chemistry	CH247	2	169	Very Good
8	Photography (1)	F141	2	178	Excellent	8	Kinetics Chemistry	CH312	2	170	Excellent
9	History of Science	F110	2	150	Very Good	9	English (1)	F111	1	65	(Good)
10	Doaa					10	Environmental studies	F151	1	72	(Good)
11						11	Human Rights	U190	2	160	Very Good
<b>Term Rate : 87.54 %</b>						<b>Grade : ( Excellent )</b>					
<b>Accumulated Rate : 87.54 %</b>						<b>Grade : ( Excellent )</b>					

( 2 ) Academic Year : 2004 / 2005						Term ( 2 )					
No	Course	Code	Hours	Degree	Grade	No	Course	Code	Hours	Degree	Grade
1	Thermodynamic (1)	CH211	2	170	Excellent	1	Thermodynamic (2)	CH212	2	183	Excellent
2	Non Transition Elements Chemistry	CH223	2	178	Excellent	2	Instrumental Analysis (1)	CH335	2	176	Excellent
3	Fundamentals of Physical Organic Chemistry	CH245	2	150	Very Good	3	Properties of Matter	P111	3	295	Excellent
4	Practical Analytical Chemistry (1)	CH126	2	197	Excellent	4	Practical Physics (1)	P189	3	265	Excellent
5	Analytical Chemistry (2)	CH234	2	175	Excellent	5	Chemistry of Enzyme and Metabolism	CH4523	2	195	Excellent
6	Aliphatic Chemistry	CH246	2	171	Excellent	6	Chemistry of biomacromolecules	CH4413	1	96	Excellent
7	Aromatic Chemistry	CH247	2	169	Very Good	7	Practical Organic Chemistry (2)	CH249	2	170	Excellent
8	Kinetics Chemistry	CH312	2	170	Excellent	8	Egyptology (1)	F181	2	150	Very Good
9	English (1)	F111	1	65	(Good)	9	Doaa	U131			Withdrawal
10	Environmental studies	F151	1	72	(Good)	10					
11	Human Rights	U190	2	160	Very Good						
<b>Term Rate : 84.28 %</b>						<b>Grade : ( Very Good )</b>					
<b>Accumulated Rate : 85.97 %</b>						<b>Grade : ( Excellent )</b>					

Doaa

( 3 ) Academic Year : 2004 / 2005						Term ( Summer )					
No	Course	Code	Hours	Degree	Grade	No	Course	Code	Hours	Degree	Grade
1	Mechanisms of inorganic Chemistry	CH423			Compulsive Excuse	1	Mechanisms of inorganic Chemistry	CH423			Compulsive Excuse
2	Solid state Chemistry	CH429	1	78	Very Good	2	Solid state Chemistry	CH429	1	78	Very Good
3	Statistics (1)	F161	1	75	Very Good	3	Statistics (1)	F161	1	75	Very Good
4	General Mathematics (2)	M120	2.5	240	Excellent	4	General Mathematics (2)	M120	2.5	240	Excellent
<b>Term Rate : 87.33 %</b>						<b>Grade : ( Excellent )</b>					
<b>Accumulated Rate : 86.12 %</b>						<b>Grade : ( Excellent )</b>					

Doaa

( 4 ) Academic Year : 2005 / 2006						Term ( 1 )					
No	Course	Code	Hours	Degree	Grade	No	Course	Code	Hours	Degree	Grade
1	Chemistry of Carbohydrates	CH3510	2	165	Very Good	1	Chemistry of Carbohydrates	CH3510	2	165	Very Good
2	Alicyclic Chemistry	CH349	2	186	Excellent	2	Alicyclic Chemistry	CH349	2	186	Excellent
3	Chemistry of transition Elements	CH323	1	87	Excellent	3	Chemistry of transition Elements	CH323	1	87	Excellent
4	Stereochemistry	CH347	1	95	Excellent	4	Stereochemistry	CH347	1	95	Excellent
5	Chromatography	CH4420	2	180	Excellent	5	Chromatography	CH4420	2	180	Excellent
6	Insecticides Chemistry	CH4628	2	200	Excellent	6	Insecticides Chemistry	CH4628	2	200	Excellent
7	Introduction of Computer Programming	M139	3	243	Very Good	7	Introduction of Computer Programming	M139	3	243	Very Good
8	Islamic Studies (1)	F121	1	78	Very Good	8	Islamic Studies (1)	F121	1	78	Very Good
9	Pericyclic Reactions	CH4422	1	99	Excellent	9	Pericyclic Reactions	CH4422	1	99	Excellent
10	Practical Analytical Chemistry (2)	CH228	2	172	Excellent	10	Practical Analytical Chemistry (2)	CH228	2	172	Excellent
<b>Term Rate : 88.53 %</b>						<b>Grade : ( Excellent )</b>					
<b>Accumulated Rate : 86.81 %</b>						<b>Grade : ( Excellent )</b>					

Doaa

( 5 ) Academic Year : 2005 / 2006						Term ( 2 )					
No	Course	Code	Hours	Degree	Grade	No	Course	Code	Hours	Degree	Grade
1	Thermodynamic (2)	CH212	2	183	Excellent	1	Thermodynamic (2)	CH212	2	183	Excellent
2	Instrumental Analysis (1)	CH335	2	176	Excellent	2	Instrumental Analysis (1)	CH335	2	176	Excellent
3	Properties of Matter	P111	3	295	Excellent	3	Properties of Matter	P111	3	295	Excellent
4	Practical Physics (1)	P189	3	265	Excellent	4	Practical Physics (1)	P189	3	265	Excellent
5	Chemistry of Enzyme and Metabolism	CH4523	2	195	Excellent	5	Chemistry of Enzyme and Metabolism	CH4523	2	195	Excellent
6	Chemistry of biomacromolecules	CH4413	1	96	Excellent	6	Chemistry of biomacromolecules	CH4413	1	96	Excellent
7	Practical Organic Chemistry (2)	CH249	2	170	Excellent	7	Practical Organic Chemistry (2)	CH249	2	170	Excellent
8	Egyptology (1)	F181	2	150	Very Good	8	Egyptology (1)	F181	2	150	Very Good
9	Doaa	U131			Withdrawal	9	Doaa	U131			Withdrawal
10						10					
<b>Term Rate : 90 %</b>						<b>Grade : ( Excellent )</b>					
<b>Accumulated Rate : 87.53 %</b>						<b>Grade : ( Excellent )</b>					

( 6 ) Academic Year : 2006 / 2007						Term ( 1 )					
No	Course	Code	Hours	Degree	Grade	No	Course	Code	Hours	Degree	Grade
1	Practical Organic Chemistry (3)	CH312	4	371	Excellent	1	Practical Analytical Chemistry (3)	CH3111	4	380	Excellent
2	Electrochemistry (1)	CH311	1	88	Excellent	2	Lubricants Chemistry	CH4632	1	86	Excellent
3	Radiation Nuclear Chemistry	CH411	1	94	Excellent	3	Quantum Chemistry	CH417	1	85	Excellent
4	Chemistry of High Polymer	CH464	2	184	Excellent	4	Groups theory	CH4214	1	85	Excellent
5	Chemistry of Petroleum	CH4419	1	87	Excellent	5	Coordination Chemistry	CH324	1	90	Excellent
6	Catalysis	CH413	1	83	Very Good	6	Organ Metallic Chemistry	CH4429	2	177	Excellent
7	Photochemistry	CH4471	1	70	(Good)	7	Corrosion Chemistry	CH4119	1	93	Excellent
8	Chemistry of Natural Products	CH4410	1	96	Excellent	8	Spectroscopy	CH443	3	248	Very Good
9	Instrumental analysis (2)	CH4311	2	180	Excellent	9	Mechanisms of Inorganic Chemistry	CH4230	2	170	Excellent
10	Mineralogy	G112	Compulsive Excuse			10	Bioinorganic Chemistry	CH4231	2	200	Excellent
11	Islamic Studies (2)	F122	1	100	Excellent	11	Computer (1)	U131	2	121	Pass
12	Computer (1)	U131	Compulsive Excuse			12	Doaa				
<b>Term Rate : 90.2 %</b>						<b>Grade : ( Excellent )</b>					
<b>Accumulated Rate : 87.97 %</b>						<b>Grade : ( Excellent )</b>					

Doaa

( 7 ) Academic Year : 2006 / 2007						Term ( 2 )					
No	Course	Code	Hours	Degree	Grade	No	Course	Code	Hours	Degree	Grade
1	Practical Analytical Chemistry (3)	CH3111	4	380	Excellent	1	Organic reaction mechanism (1)	CH346	2	192	Excellent
2	Lubricants Chemistry	CH4632	1	86	Excellent	2	Hormones & vitamins Chemistry	CH4524	1	95	Excellent
3	Quantum Chemistry	CH417	1	85	Excellent	3	Practical Analytical Chemistry (4)	CH415	4	351	Excellent
4	Groups theory	CH4214	1	85	Excellent	4	Organic reaction mechanism (2)	CH442	2	189	Excellent
5	Coordination Chemistry	CH324	1	90	Excellent	5	Electrochemistry (2)	CH4116	2	174	Excellent
6	Organ Metallic Chemistry	CH4429	2	177	Excellent	6	Research and Essay	CH000	2	163	Very Good
7	Corrosion Chemistry	CH4119	1	93	Excellent	7	Computer (3)	U230	2	119	Pass
8	Spectroscopy	CH443	3	248	Very Good	8	Doaa				
9	Mechanisms of Inorganic Chemistry	CH4230	2	170	Excellent	9					
10	Bioinorganic Chemistry	CH4231	2	200	Excellent	10					
11	Computer (1)	U131	2	121	Pass						
12	Doaa										
<b>Term Rate : 89.67 %</b>						<b>Grade : ( Excellent )</b>					
<b>Accumulated Rate : 88.25 %</b>						<b>Grade : ( Excellent )</b>					

( 8 ) Academic Year : 2006 / 2007						Term ( Summer )					
No	Course	Code	Hours	Degree	Grade	No	Course	Code	Hours	Degree	Grade
1	Organic Reaction Mechanism (1)	CH346	Compulsive Excuse			1	Organic reaction mechanism (1)	CH346	2	192	Excellent
2	Electromagnetic	P144	3	284	Excellent	2	Hormones & vitamins Chemistry	CH4524	1	95	Excellent
3	English (2)	F112	1	93	Excellent	3	Practical Analytical Chemistry (4)	CH415	4	351	Excellent
<b>Term Rate : 94.25 %</b>						<b>Grade : ( Excellent )</b>					
<b>Accumulated Rate : 88.46 %</b>						<b>Grade : ( Excellent )</b>					

Doaa

( 9 ) Academic Year : 2007 / 2008						Term ( 1 )					
No	Course	Code	Hours	Degree	Grade	No	Course	Code	Hours	Degree	Grade
1	Principles of Applied Organic Chemistry	CH3613	2	186	Excellent	1	Organic reaction mechanism (1)	CH346	2	192	Excellent
2	Textile and Dye Chemistry	CH468	1	94	Excellent	2	Hormones & vitamins Chemistry	CH4524	1	95	Excellent
3	Chromatographic applications for organic compounds	CH4633	2	167	Very Good	3	Practical Analytical Chemistry (4)	CH415	4	351	Excellent
4	Ceramics	CH4627	2	186	Excellent	4	Organic reaction mechanism (2)	CH442	2	189	Excellent
5	Heterocyclic Chemistry	CH348	3	268	Excellent	5	Electrochemistry (2)	CH4116	2	174	Excellent
6	Mineralogy	G112	3	278	Excellent	6	Research and Essay	CH000	2	163	Very Good
7	Detergents Chemistry	CH4626	1	82	Very Good	7	Computer (3)	U230	2	119	Pass
8	Practical organic Chemistry (4)	CH446	4	344	Excellent	8	Doaa				
9	Computer (2)	U132	2	143	(Good)	9					
<b>Term Rate : 89.17 %</b>						<b>Grade : ( Excellent )</b>					
<b>Accumulated Rate : 88.56 %</b>						<b>Grade : ( Excellent )</b>					

( 10 ) Academic Year : 2007 / 2008						Term ( 2 )					
No	Course	Code	Hours	Degree	Grade	No	Course	Code	Hours	Degree	Grade
1	Organic reaction mechanism (1)	CH346	2	192	Excellent	1	Organic reaction mechanism (1)	CH346	2	192	Excellent
2	Hormones & vitamins Chemistry	CH4524	1	95	Excellent	2	Hormones & vitamins Chemistry	CH4524	1	95	Excellent
3	Practical Analytical Chemistry (4)	CH415	4	351	Excellent	3	Practical Analytical Chemistry (4)	CH415	4	351	Excellent
4	Organic reaction mechanism (2)	CH442	2	189	Excellent	4	Organic reaction mechanism (2)	CH442	2	189	Excellent
5	Electrochemistry (2)	CH4116	2	174	Excellent	5	Electrochemistry (2)	CH4116	2	174	Excellent
6	Research and Essay	CH000	2	163	Very Good	6	Research and Essay	CH000	2	163	Very Good
7	Computer (3)	U230	2	119	Pass	7	Computer (3)	U230	2	119	Pass
8	Doaa					8	Doaa				
9						9					
10						10					
<b>Term Rate : 89.54 %</b>						<b>Grade : ( Excellent )</b>					
<b>Accumulated Rate : 88.65 %</b>						<b>Grade : (Excellent With Honor Rank)</b>					

**Total Degree of the Student : 12765/14400 (Only Twelve thousand, Seven hundred and Sixty-Five degree ) .**

**With Percentage : 88.65 %**

**General Grade : ( Excellent With Honor Rank )**

**The Faculty Certifies that Mr : Mostafa Shawky Eraky Mohamed . has got the degree of B.Sc. : In Chemistry in May 2008**

**With Percentage : 88.65 %**

**General Grade : ( Excellent With Honor Rank )**

This Certificate has been issued upon his request to be submitted to whom it may concern .

**Student Affairs** **Vice Dean** **Dean**  
 Doaa osama  
 Abou Elmagd

<b>Chemistry Department</b>	
<b>Physics Department</b>	
<b>Geology Department</b>	
<b>Mathematics Department</b>	
<b>Botany Department</b>	
<b>Zoology Department</b>	
<b>Faculty Requests</b>	

**Notes : -**

1. The Faculty works with the credit hour system .
2. Term Rate = sum degrees / no. of hours .
3. Accumulated Rate = sum Terms rate / no. of terms hours .
4. Scientific observer means that the student holds a Accumulated Rate of less than 60 % .



Postgraduate Faculty of Science



15-3-2016

# MINUFIA UNIVERSITY

## CERTIFICATE

To whom it may concern

05217



This is to certify that **Mostafa Shawky Eraky Mohamed**  
 born on **1/3/1987** , in **Shobrabas, Shben El-kom, Menoufia**  
 was awarded **M.Sc. " Physical Chemistry "**

### Thesis Title

**"A Study on Synthesis and Characterization of Some ( I-IV-VI ) Groups Compounds for Solar Cells Energy Application "**

By the Faculty Council on **16/2/2016**

Approved by the University Council on **24/2/2016**

This certificate has been issued upon his/her request.

*Marwa Azzu Mervat*  
*3-5-2016*  
Vice Dean

*M T*  
Prof Dr. M.Tawfik Shaaban

Dean  
*M E*  
Prof. Dr. AHIsmael

Date: **21/4/2016**





جامعة

المنوفية

شهادة مؤقتة

018178



تشهد الكلية أن / مصطفى شوقي عراقى محمد

المولود فى : شبراياص / مركز شبين الكوم / المنوفية بتاريخ : ١٩٨٧/٣/١

قد حصل على : درجة الدكتوراه / دكتور الفلسفة فى : العلوم

التخصص : ( الكيمياء الفيزيائية ) .

فى موضوع :

( معالجة و توصيف مركبات الكالوجينيد المختلفة للتطبيقات الكهروكيميائية الضوئية ) .

تاريخ موافقة مجلس الكلية : ٢٠٢٠/١٢/٢٢

تاريخ اعتماد مجلس الجامعة : ٢٠٢٠/١٢/٢٩

وقد تحررت هذه الشهادة بناء على طلبه لتقديمها لن يهمة الأمر ،،،

قائم بعمل

مدير الإدارة

(أ/ رانيا على شراياش)

عميد الكلية

(د.أ/ عادل عبد الهادى نصار)

رئيس القسم



المختص بالدراسات العليا

(أ/ م.ع.ع)

وكيل الكلية للدراسات العليا

(د.أ/ مجدي زكي مطر)

٢٠٢١/١/١٧





Postgraduate Faculty of Science

MINOUFIYA UNIVERSITY

CERTIFICATE

To whom it may concern

008304



This is to certify that Mostafa Shawky Eraky Mohamed.

born in Shobrabas, Shbien El-koom, El Menoufia on 1/3/1987 .

be awarded the doctorate /philosophy doctor degree in: Science.

Major: " Physical Chemistry " field: Chemistry.

grade: percentage: rate:

Subject: " Processing and characterization of different chalcogenide compounds for photo-electrochemical applications ."

By the Faculty Council on 22/12/2020

Approved by the University Council on 29/12/2020

This certificate has been issued upon his/her request.

Azza  
R. Alw  
Vice Dean  
18/1/2021

Prof. Dr. Magdy Zaky Mattar

Date: 18/1/2021



Dean  
2021  
Prof. Dr. Adel Abdel-Hady Nassar

