

Curriculum Vitae

• Personal Info:

Name		Nationality	Birth Date	Age	Birth Place
Hassan Muhammad Muhammad Mustafa		Egyptian	28-09-1988	29	Abu Kebir – Sharkia - Egypt
Nickname	Hassan Abu Hashish	Address	Al Sheikh Island - Abu Kabir – Al Sharkia - Egypt		
Home phone	002 055 35 771 33	Mobile	002 0100 88 99 248		
Function	Assistant Researcher	Workplace	National Research Centre - Dokki - Giza - Egypt		
Work Telefax	002035903730	Official Email	HM.AbuHashish@NRC.sci.eg		
Website	WwW.HassanAbuHashish.Com	Email	HassanAbuHashish@Gmail , Hotmail, Yahoo.com		

• Qualifications and Degrees:

N	Qualification	Date	Degree	University \ Institute	College \ Division	Specialization
1	MSc.	2017		Al Azhar University	Faculty of Engineering	Mechanical Engineering
Thesis Title		DESIGN OF A BIODIESEL PRODUCTION SYSTEM AND THE PERFORMANCE OF A DIESEL ENGINE BURNING THE PRODUCED FUEL				
2	Pre-Master	2013	Very Good	Cairo University	Faculty of Engineering	Mechanical Design and Production
3	BSc in Energy Eng.	2012	Very Good	Aswan University	Faculty of Energy Eng.	Mechanical Design and Material Engineering
Graduate Project		DESIGN OF A SIMPLE MILLER TO GRINDING POWDER AND TRANSFER TO NANO STRUCTURE				

• Publications

N	Title of the Publication	Journal Name	Year	Note
1	Parametric study and experimental investigation of hydroxy (HHO) production using dry cell	Fuel	2020	Scopus + ISI
2	Comparison of different methods for producing bio oil from Egyptian jatropha seeds	Biofuels	2020	Scopus + ISI
3	Experimental study on the effect of preheated Egyptian Jatropha oil and biodiesel on the performance and emissions of a diesel engine	International Journal of Mechanical and Mechatronics Engineering	2020	Scopus
4	Encapsulation techniques of food bioproduct	Egyptian Journal of Chemistry	2020	Scopus
5	Design, Manufacturing and Testing of a Hydraulic Press to Produce Oil from Egyptian Jatropha Seeds	Journal of International Society for Science and Engineering	2019	International
6	Characterization of the extracted oil by screw press from Egyptian Jatropha seeds	Journal of International Society for Science and Engineering	2019	International
7	Soybean oil and soy flakes production simultaneous using newly screw press design	Bioscience Research	2019	Scopus
8	Effect of Egyptian Roselle Biodiesel on Performance and Emissions of Diesel Engine	Egyptian Journal of Chemistry	2018	Scopus
9	Comparative study of performance and exhaust emissions of a diesel engine fueled with algal, used cooked and Jatropha oils biodiesel mixtures	International Journal of Mechanical and Mechatronics Engineering	2017	Scopus
10	Optimize the Roselle (Hibiscus Sabdariffa L.) Seeds Oil Extraction Using Screw Press	Egyptian Journal of Nutrition	2017	International
11	Optimum Oil Yield from Egyptian Jatropha Seeds Using Screw Press	International Journal of Mechanical and Mechatronics Engineering	2017	Scopus

• Conferences

N	Title of the Publication	Conference Name	Year	Note
1	Effect of Egyptian Roselle Biodiesel on Performance and Emissions of Diesel Engine	21st International Conference on Petroleum, Mineral Resources and Development PMRD 2018	2018	
2	Soybean Biofuels and Soy Flakes Production Simultaneous Using Newly Screw Press Design	21st International Conference on Petroleum, Mineral Resources and Development PMRD 2018	2017	

• Projects

N	Title of the Projects	Funder	Project type	Year
1	Biodiesel production from algae as a renewable energy source	Research Development and Innovation programme (RDI)	International	2014 2017
2	Design, manufacturing and test of a Press to produce oil from Egyptian Jatropha	National Research Centre	Internal	2016 2019
3	Hydrogen produced from sun energy as alternative fuel in engines	National Research Centre	Internal	2016 2019
4	Assessment of diesel engine performance and exhaust emissions using biodiesel and its blends with several petrol fuels	National Research Centre	Internal	2016 2019
5	Community outreach approach for having a model of a village controlled from diabetes with improved quality of life: El Ibrahimia El Qebliya village- Damietta governorate- Egypt	Australian Embassy Cairo	International	2017 2018
6	Local technology for Production & immobilization of industrial enzymes: Novel Carrier for Binding Enzymes and Active Materials for Production of Food and dairy-product with Economic Prices	Academy of Scientific Research and Technology	Local	2017 2019

• Inventions:

N	Title of the invention	Number	Date
1	Optimum Bio-Oil Yield from Egyptian Jatropha Seeds Using New Screw Press Design	1935-2016	2016
2	2. Design, Manufacturing and Testing of a Bio-Fuel Preheating System Utilizing Automatically Controlled Exhaust Heat of a Diesel Engine Burning Bio-Oil and Biodiesel to Increase Its Efficiency	1450-2017	2017
3	Station Name Viewer in Metro and Train	2012050812	2012/5/3
4	Mechanical circle conversion from DC to AC	2012020338	2012/2/26
5	Metro high ground	2012020337	2012/2/26
6	Squeezer, dryer and iron immediate clothes	2012020336	2012/2/19
7	An electronic device to cast in the election	2011071208	2011/7/18
8	Electronic box from iron material for elections	2011071194	2011/7/14
9	Modifications to the refrigerator to get a new device works as a coolant and heater at the same time	2011050785	2011/5/18
10	Automatic control of doors with anti-robberies alarm and fire	2011050711	2011/5/8

• Scientific certificates:

N	Certificate	Date	Location
1	The representative of Egypt in the creative student forum 16th at Imam Muhammad bin Saud Islamic University	17 to 21 November 2010	Kingdom of Saudi Arabia
2	College team leadership and get the team to first place at the University of South Valley and qualify for the competition between the Egyptian universities for the second time in the history of the university in the international competition (Robocon 2012) organized by the Hong Kong, China and the outstanding participation of the University of reach semifinals	24 to 28 July 2012	Radio and Television Union and the Ministry of Higher Edu.
3	College team leadership and a third manufacturing robot at the university and get the team the first position at the University of South Valley and qualify for the competition between the Egyptian universities for the second time in the history of the university in the Fifth the scientific Forum (Robot) and get the team to fifth position armor	8 to 12 April 2012	Helwan University
4	Leadership team South Valley University Aswan Branch, who participated for the first time in the name of the Aswan University and get the team on the armor Cup and finished second in the second forum for presentation skills (Presentation) also obtained the honor of providing the word of the forum and provide Egyptian universities, Sohag University	25 to 28 March 2012	Sohag University
5	Leadership team South Valley University team and get on the armor Cup and second Position at the crossroads of science clubs Egyptian universities the fifth	4 to 8 March 2012	Cairo University
6	College team leadership and get the team the first position at the University of South Valley and Qualification for competition between the Egyptian universities for the first time in the history of the university in the international competition (Robocon 2011) organized by the Thailand and outstanding shareka for access to University before finals	24 to 28 July 2011	Radio and Television Union and the Ministry of Higher Edu.
7	College team leadership and manufacture of the first robot at the university and get the team the first position at the University of South Valley and qualify for the competition between the Egyptian universities for the first time in the history of the university in the Fourth Scientific Meeting (Robot) and get the team to fifth place shield	15 to 19 May 2011	Helwan University
8	Leadership team South Valley University team and get on the armor Cup and second Position at the crossroads of science clubs Egyptian universities fourth	1 to 5 May 2011	Cairo University
9	Leadership team (25 JUN) in the competition (TRD) between the faculties of the University of South Valley and get the best design team	1 December 10 To 18 April 11	Faculty of Energy Engineering
10	Outstanding participation in the organization of the Second World Conference of Power Engineering (ICEE-2) Conference oversees the presence of a huge number of professors in the field of power engineering in the world	27 to 29 December 2010	Faculty of Energy Engineering
11	Leadership team South Valley University team and get the shield first position in the first forum for presentation skills (Presentation)	25 to 28 December 2010	Sohag University
12	Leadership team South Valley University and get the team to second position in the shield Festival of Science and clubs mobile for the first Egyptian Universities	20 to December 24, 2010	University of Kafr El-Sheikh
13	Get the Second World Award for the best project idea in the Global Entrepreneurship Week thought of self-employment	4 to 11 November 2010	Arab Republic of Egypt

• **Teacher and trainer for the following engineering courses:**

N	Session	Date	Center
1	Robot Design	5/2012	FEE SVU
2	PLC	4/2012	FEE SVU
3	WIN CC	3/2012	FEE SVU
4	Welding	1/2012	FEE SVU
5	Hydraulic Machine	12/2011	FEE SVU
6	ICDL	2011/8	FEE SVU
7	Photoshop	2010/10	FEE SVU
8	AutoCAD	2010/8	FEE SVU

• **Engineering training courses:**

N	Session	Date	Center
1	PLC	2/2012	ITC Egypt
2	WIN CC	2/2012	ITC Egypt
3	Welding	2/2011	FEE SVU
4	Hydraulic Machine	2/2011	FEE SVU
5	Photoshop	2/2010	FEE SVU
6	AutoCAD	2/2009	FEE SVU

• **General training courses:**

N	Session	Date	Center
1	Human Resource Development (7 Habits)	2012	Winning Egypt
2	Strategic Change	2012	Resaltak Eah
3	Time Management	2012	Resaltak Eah
4	Setting Goals - Starting Dream - Optimism	2012	Resaltak Eah
5	Self Confidence – Success	2012	Resaltak Eah
6	Positive Thinking - Control of Your Life	2012	Resaltak Eah

• **Practical experience:**

Position	Deputy General Manager	Company	Hatoon	Period	From 01/01/2012 to 01/06/2014
Tasks	Project planning and supervision of the production as well as design				
Position	Site manager	Company	AG	Period	From 05/07/2010 to 15/09/2010
Tasks	Adjust the work area and completion of digging and changing work and construction project my son home in 6 October City and some other projects				
Position	Site manager	Company	Egyco	Period	From 02/09/2009 to 07/10/2009
Tasks	Adjust the work area and completion of digging and changing work and construction in the project of 3024 residential units of the first project care				
Position	Site manager	Company	AG	Period	From 15/07/2009 to 01/09/2009
Tasks	Adjust the work area and completion of digging and changing work and construction in a special project Suez cement factory and some other projects				
Position	Site manager	Company	AG	Period	From 15/07/2008 to 01/09/2008
Tasks	Adjust the work area and completion of digging and changing work and construction in a special project company Damac in New Cairo and some other projects				

• **Sports Certificate:**

N	Certificate	Date	Location
1	Winning the first place in the Sharkeya Open Wushu (Kung Fu) and qualified for the championship of the Republic	2005/2/19	Egyptian Union of Wushu (Al Shariqya Region)

• **Superiority Certificates:**

N	Certificate	Date	Location	Degree
1	The scientific excellence (first student) fourth year	2012/ 2011	Faculty of Energy Engineering	Very Good
2	The scientific excellence (first student) third year	2011/ 2010	Faculty of Energy Engineering	Very Good
3	The scientific excellence (first student) second year	2010/ 2009	Faculty of Energy Engineering	Very Good
4	The scientific excellence (first student) first year	2009/ 2008	Faculty of Energy Engineering	Very Good

• **Co-memberships and committees:**

N	Committee or the Assembly	Membership Type	Phone
1	Arab Organization for public relations and public diplomacy	Director of International Relations and Foreign	01145115592
2	Egypt Foundation Committee	Founder and Chairman of the Board	01110694042
3	Resala Association	Blood Bank volunteer convoys and sorting	19450

• **Other Skills**

Quality of skill	Skills			
Technical offices	Computer and Internet in addition to the professionalism of many software programs and			
Languages	Language	Speaking	Reading	Writing
	Arabic	Excellent	Excellent	Excellent
	English	Good	Very good	Good
Others	Professionalism of the following programs Cyber Link Power Director – Sony Vegas - Movie Maker - Photo Shop - Auto CAD – Audio Mixer And many other programs			

• **References:**

N	Name	position	Mobile
1	Prof. Dr: Said Muhammad Ali	Professor of Energy – Faculty of Engineering – Azhar University	01062578395
2	Prof. Dr: Kamal Ahmmad Aabed	Head of Engineering division – National Research centre	01003581940
3	Prof. Dr: Mahmoud Abdel Sadek	Chairman of the Department of Physics at the University of South Valley	01001741726
4	Eng:Hatem Sebaey	Chairman of the Board of Management AG	01007963110
5	Dr: Walid Khalaf Allah	Chairman of the Board of Directors of the Arab Organization for public relations and public diplomacy	01145115592
6	Eng: Ahmed Tawfik	General Manager EGYCO	0127377948
7	Eng: Yousef Mansour	Chairman of the Board of Directors of Hatton	01122438888
8	Prof. Dr:Montaser Marassi	Head of Department of Mechanics (Materials Engineering and Design) at the University of Aswan	01062578395
9	Prof. Dr:Mohamed ourani	Head of Department of Mechanics (Materials Engineering and Design) at the University of South Valley	01003581940