

# Mohammed Morad Salama Mohammed

Assistant professor at Higher Institute of Engineering & Technology, New  
Minya (MHIET)  
Mobile: 01000621959



Name:	Mohammed Morad Salama Mohammed			Birth date:	18/11/1990
Current job:	Assistant professor of electrical engineering at Higher Institute of Engineering & Technology, New Minya (MHIET)			Date of appointment:	27/4/2013
Scientific specialization:			Electrical engineering		
<b><u>First: Occupational data</u></b>					
The date and number of the ministerial decision	First: for the position of assistant professor	Ministerial decision No.:	642	Decision date:	22/2/2021
	Second: for the position of assistant lecturer	Ministerial decision No.:	2324	Decision date:	10/6/2017
	Third: for the position of demonstrator	Ministerial decision No.:	1020	Decision date:	27/4/2013
<b><u>Second: Academic degrees</u></b>					
<b><u>1- Doctoral degree data</u></b>					
PhD dissertation title:		"Optimum Planning and Operation Assessment of a Microgrid"			
Specialization:		electrical power systems			
PhD registration date:	15/11/2016	PhD completion date:	29/9/2020	University:	El-Minya University
<b><u>2- Master's degree data</u></b>					
PhD dissertation title:		"Design and Simulation of a Microcontroller-Based Inverter and DC-DC Converter"			
Specialization:		power electronics			
Master's registration date:	9/10/2012	Master's completion date:	31/10/2016	University:	El-Minya University
<b><u>3- Bachelor's degree details</u></b>					
Educational qualification:	Bachelor's degree of electrical and computers Engineering	University:	Higher Institute of Engineering & Technology, New Minya (MHIET)		
Graduation Year:	2012	Grade:	Excellent, (percentage 94%)		

### Third: Academic and research activities

<b>Published research:</b>	<p>[1] Said A. Kotb, Magdy M. Zaky, Adel A. Elbaset, <b>Mohammed Morad</b>, "Application of hybrid renewable energy for supplying the emergency power supply system in case of station blackout in nuclear power plant", Annals of Nuclear Energy, Volume 175 (109222), 2022. #URL: <a href="https://www.sciencedirect.com/science/article/pii/S0306454922002572?dgcid=coauthor#!">https://www.sciencedirect.com/science/article/pii/S0306454922002572?dgcid=coauthor#!</a></p> <p>[2] A. Makram, <b>M. Morad</b>, A. Sayed and M. Nayel, "Assessment of PV Penetration Impacts on Assiut International Airport Long Distribution Feeder Using Multi-Objective Performance Index," 2021 22<sup>nd</sup> International Middle East Power Systems Conference (MEPCON), 2021, pp. 96-103, doi: 10.1109/MEPCON50283.2021.9686269. #URL: <a href="https://ieeexplore.ieee.org/document/9686269">https://ieeexplore.ieee.org/document/9686269</a></p> <p>[3] <b>Mohammed Morad</b>, Hossam S. Abbas, Mohamed Nayel, Adel A. Elbaset and A. I. A. Galal, Forecasting electrical energy consumption using efficient Gaussian processes: A case study, Journal of Electrical Systems 16 (1) (2020), pp. 30-49. #URL: <a href="https://journal.esrgroups.org/jes/edition-2020.php">https://journal.esrgroups.org/jes/edition-2020.php</a></p> <p>[4] M. Nayel, <b>M. Morad</b> and W. Mohamed, "Monitoring of Electric Distribution Grids: Existing, Priority, and Objective," 2019 IEEE Sustainable Power and Energy Conference (ISPEC2019), Beijing, China, 2019, pp. 2182–2186. #DOI: 10.1109/iSPEC48194.2019.8975343 #URL: <a href="http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8975343&amp;isnumber=8974850">http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8975343&amp;isnumber=8974850</a></p> <p>[5] <b>M. Morad</b>, M. Nayel, A. A. Elbaset and A. I. A. Galal, "Sizing and Analysis of Grid-Connected Microgrid System for Assiut University Using HOMER Software," 2018 Twentieth International Middle East Power Systems Conference (MEPCON), Cairo, Egypt, 2018, pp. 694-699. #URL: <a href="http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8635166&amp;isnumber=8635101">http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8635166&amp;isnumber=8635101</a></p> <p>[6] <b>M. Morad</b>, H. S. Abbas, M. Nayel, A. A. Elbaset and A. I. A. Galal, "Electrical Energy Consumption Forecasting Using Gaussian Process Regression," 2018 Twentieth International Middle East Power Systems Conference (MEPCON), Cairo, Egypt, 2018, pp. 292-297. #URL: <a href="http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8635244&amp;isnumber=8635101">http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=8635244&amp;isnumber=8635101</a></p> <p>[7] Adel A. Elbaset, Hamdi Ali Mohamed and <b>Mohamed Morad</b>, "Design and Implementation of Microcontroller based Non-inverting DC/DC buck-boost converter", 17<sup>th</sup> International Middle-East Power System Conference (MEPCON), Mansoura University, Egypt, December 15-17, 2015.</p>
<b>Published books:</b>	<p>"Planning and Operation Assessment of a Microgrid", <b>Mohammed Morad</b>, Mohamed A. E. I. Nayel, Adel A. Elbaset, Hossam E. M. S. Abbas, and Ahmed I. A. Galal, by LAP LAMBERT Academic Publishing, 2021. #URL: <a href="https://www.morebooks.shop/bookprice_offer_230c1abdc8d4151ec47020fbf25e2d9162df63be?locale=gb&amp;currency=EUR">https://www.morebooks.shop/bookprice_offer_230c1abdc8d4151ec47020fbf25e2d9162df63be?locale=gb&amp;currency=EUR</a></p>
<b>Training courses, conferences and workshops:</b>	<ol style="list-style-type: none"> <li>1- The twenty-second international conference on electrical power systems in the Middle East (MEPCON) - Faculty of engineering - Assiut University. (Period: from 14 to 16 December 2021).</li> <li>2- The third international conference on engineering sciences and technology (ICEST 2021). (Period: from 28 to 29 July 2021).</li> <li>3- Examination systems and student assessment course, Minya University. (Period: from 17 to 19 May 2020).</li> </ol>

	<ol style="list-style-type: none"> <li>4- Course entitled "Educational programs and courses specifications and evaluation of learning outcomes for colleges and institutes of higher education". From the national authority for quality assurance and accreditation of education. (Period: from 2 to 4 September 2019).</li> <li>5- "Searching in global databases and managing scientific references - EndNote" course. Information technology center - Minya University. (Period: from 16 to 17 September 2019).</li> <li>6- The 20<sup>th</sup> international conference on electrical power systems in the Middle East (MEPCON) - Faculty of engineering - Cairo University. (Period: 18-20 December 2018).</li> <li>7- The seventeenth international conference on electrical power systems in the Middle East (MEPCON) - Faculty of engineering - Mansoura University. (Period: December 15-17, 2015).</li> <li>8- A workshop entitled "Automation system" at Siemens Company - Cairo - Mohandessin area. (Period: January 30-31, 2012).</li> </ol>
<b>Teaching courses:</b>	<ol style="list-style-type: none"> <li>1- Electrical engineering fundamentals laboratory (DC circuit experiments).</li> <li>2- Electrical engineering fundamentals laboratory (AC circuits experiments).</li> <li>3- Electronic circuits laboratory: (Diodes circuits, transistors circuits, operational amplifiers circuits, IC timer 555 circuits).</li> <li>4- Components of control systems.</li> <li>5- Wave shaping circuits.</li> <li>6- Switching circuits.</li> <li>7- Systems analysis.</li> <li>8- Shaping circuits.</li> <li>9- Digital control systems.</li> </ol>
<b>Administrative responsibilities:</b>	<ol style="list-style-type: none"> <li>1- Executive manager vice of the quality assurance unit, since 9/13/2021, till now.</li> <li>2- Head of civil engineering department examinations control since 4/9/2021, till now.</li> </ol>
<b>Work experience and skills:</b>	<ol style="list-style-type: none"> <li>1- Member of the teaching and learning standard team in the education quality assurance and accreditation unit.</li> <li>2- Member of the academic standards and educational programs team in the education quality assurance unit.</li> <li>3- Participation in the development of a self-study for the teaching and learning standard in the education quality assurance unit.</li> <li>4- Contribute to the organization of electrical engineering laboratories exams.</li> <li>5- Participation in making courses specifications and reports.</li> <li>6- A member in the examination control for 5 years.</li> </ol>
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