

Dr. Ali M. Eltamaly, Professor (Full)

Distinguished Professor from Egyptian Supreme Council of Universities,
Mansoura University, Egypt,

King Saud University, Riyadh, Saudi Arabia

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Google Scholar:<https://scholar.google.co.in/citations?user=1RC55cwAAAAJ&hl=en>

Research gate: https://www.researchgate.net/profile/Ali_Eltamaly;

Mendeley:<https://www.mendeley.com/profiles/ali-eltamaly2/>

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PERSONAL

Name: Ali Mohamed Eltamaly
Occupation: Professor, Sustainable Energy Technology Center, College of Engineering, King Saud University
Nationality: Egyptian
Current Address: Sustainable Energy Technology Center, Electrical Engineering Department, College of Engineering, King Saud University, P.O.Box 800, Riyadh 11421, Saudi Arabia
Date of Birth: 28/06/1969

EDUCATION

PhD.	Electrical Engineering Channel system between Elminia University, Egypt and Power Electronics & Power Quality Laboratory, Texas A&M University, College Station, Texas, USA. Title of Ph.D. Thesis: "Power Quality Consideration for Interconnecting Renewable Energy Power Converter Systems to Electric Utility"	Sept. 2000
MSc.	Electrical Engineering Elminia University, Egypt. Title of M.Sc. Thesis: "Study on the Interconnection of Wind Turbine Generators with Utility Grid"	Feb. 1996
BSc.	Electrical Engineering (Excellent with Honor Degree) Elminia University, Egypt.	May. 1992

PROFESSIONAL EXPERIENCES

From	To	Academic and Professional Experiences
July 2012	Till Now	Professor at Sustainable Energy Technologies, King Saud University, Saudi Arabia.
Feb. 08	July 2012	Associate Professor at Faculty of Engineering, King Saud University, Saudi Arabia.
Oct. 05	Feb. 08	Assistant Professor at Department of Electrical Engineering, Faculty of Engineering, King Saud University, Saudi Arabia.
June 05	Oct. 05	Assistant Professor at El-Mansoura University, Dakahlia, Egypt.

Sept. 2000	June 05:	Assistant Professor at Elminia University, Elminia, Egypt. And working as a Lecturer and Training manager of International British Institute (IBI) for computer science and translation.
Dec. 1997	May 2000	Experimental Work for PhD degree at Power Electronics & Power Quality Laboratory (Under supervision of Professor Dr. P. N. Enjeti), Texas A&M University, College Station, Texas, USA.
March 1996	Dec. 1997	Assistant Lecturer of Electrical Engineering, Faculty of Engineering, Elminia University, Egypt.
April 1992	Feb. 1996	Demonstrator of Electrical Engineering, Faculty of Engineering, Elminia University, Egypt.

AWARDS

- **Professor Award for Distinguished Scientific Excellence**, Egyptian supreme council of Universities, Egypt, June, 2017.
- **The World Energy Best Book in Year 2022** by bookauthority, CNN, and Forbs. ([Link](#))
- **Scientific distinction award**
College of engineering, Minia University, Egypt, May, 2005.
- **Honoring for teaching a workshop** Titled: "Adjustable Frequency Drives" Feb. 2002
Saudi Aramco Chair in Electrical Power

Journals Editorial Board Memberships

Prof. Eltamaly is contributing as an Editor or associate editor of the following Journals

- Frontiers in Energy Research - Smart Grids (Frontiers) (<https://loop.frontiersin.org/people/1595372/overview>)
- Insight--Energy Science (PiscoMed Publisher) (<https://insight.piscomed.com/index.php/i-es/about/editorialTeam>)
- Green Technology, Resilience, and Sustainability (Springer) (<https://www.springer.com/journal/44173/editors>)
- Journal of Technology Innovations in Renewable Energy (Lifescience global) (<https://www.lifescienceglobal.com/journals/journal-of-technology-innovations-in-renewable-energy>)
- Trends in Electrical Engineering (STM Journals) (<http://stmjournals.com/editorial-team-Trends-in-Electrical-Engineering.html>)
- International Journal of Applied Engineering Research (IJAER) (Research India Publications) (<http://www.ripublication.com/ijaer.htm>)

UNIVERSITY TEACHING EXPERIENCES

Prof. Eltamaly has been taught more than 25 years in many universities like: (in EGYPT) Minia University, Al-Azhar university, Mansoura University, South Valley University, etc. Outside Egypt, Texas A&M University as Teaching Assistant, Almagab University, in Al-Khoms, Libya, High Institute for Skills, Mesalata, Lybia, and King Saud University, Riyadh, Saudi Arabia.

Prof. Eltamaly taught many courses but not limited to the following:

- Experienced In Teaching Electrical Machines
- Power Electronics,
- Motor Drives,
- Power System Analysis, Protection, Quality, and stability
- Digital Signal Processor (DSP),
- Renewable Energy (Wind, Photovoltaic, Tidal, Etc.),
- Energy Conversion,
- Computer Simulations, Many Software Programs And Computer Languages,
- Engineering Mathematics, And,
- Expert in teaching many workshops in electric power system, power electronics, protection, renewable energy, and electric machines.

GRADUATE THESIS SUPERVISED

- MSc."Modeling and Performance of Wind Turbine Generator Systems" Elmansoura University 2005.
- Ph.D."Interconnection of Photovoltaic/Wind Hybrid Electric Power System to Electric Utility using Artificial Intelligence" Alminia University, Alminia, Egypt, 2006.
- MSc."Applications of Power Electronics on Interfacing WTG with PV to Build Hybrid Electric Power System." Alminia University, Alminia, Egypt, 2006.
- MSc."Maximum Power Extraction from Electric Utility Interfaced Wind Turbine System", King Saud University, KSA, 2011.
- MSc."Wind Energy use in Agricultural in Saudi Arabia", King Saud University, KSA, 2011.
- Ph.D. "Modeling and Simulation of Smart Grid Integrated with Hybrid Renewable Energy System" King Saud University, KSA, 2015.
- Ph.D. "Photovoltaic partial shading mitigation using interleaved boost converter and hybrid intelligent techniques" UNIVERSITI TEKNOLOGI MALAYSIA UNIVERSITI TEKNOLOGI MALAYSIA, Feb 2019.
- Ph.D "Renewable Distributed Generation for Quality and Reliability Improvement of Power Distribution Systems" King Saud University, KSA, 2020.
- Ph.D. "Enhancement of Power System Quality Using Advanced Control Techniques" Alminia University, Alminia, Egypt, 2020.
- MSc. " Economical study of Load Shifting & Load shaving of PV Implementation using Dynamic Tariff in Riyadh" King Saud University, KSA, 2020.
- MSc. " Optimal Size and Location of PV Distributed Generation in Transmission System Using Particle Swarm Optimization" King Saud University, KSA, 2020.
- Msc." Efficient Power Point Tracking (EPPT) for Photovoltaic Systems (PV) having Partial Shading Conditions by Applying Enhanced Cuckoo Search (CS) Algorithm using Matlab Simulation" King Saud University, KSA, 2020.

ATTENDANCE OF TRAINING COURSES

- Training Course on microprocessor in Texas Instruments (TI) In Houston, Texas, USA, May 18, 1998 to Oct 17 1998.
- Training Course on Teaching Technology, 80 hours, 2 weeks, Oct., 2000 Faculty of Education, Elmonefia University, Egypt.
- Training Course in University Developing Center, Mansoura University, Egypt, under title " Skills of Effective

Presentation" for three days (15 Hours) starts in 18 June, 2006.

- Training Course in University Developing Center, Mansoura University, Egypt, under title " Quality Standards of Educational Process" for three days (15 Hours) starts in 12 June, 2009.
- Training Course in University Developing Center, Mansoura University, Egypt, under title " Scientific Publications" for three days (15 Hours) starts in 19 June, 2009.
- Training Course in University Developing Center, Mansoura University, Egypt, under title " Law and Financial Issues in Universities" for three days (15 Hours) starts in 6 June, 2009.
- Training Course in University Developing Center, Mansoura University, Egypt, under title " Strategic Planning" for three days (15 Hours) starts in 19 June, 2009.
- Training Course in University Developing Center, Mansoura University, Egypt, under title " Scientific Research Ethics " for three days (15 Hours) starts in 26 June, 2009.

PROFESSIONAL ACTIVITIES AND PARTICIPATING IN COMMITTEES

- Member in the Organizing Committee of the 2nd Minia International Conference for Advanced Trends in Engineering, "MICATE'2002, Elminia, Egypt, March 2002.
- Member in the Organizing Committee of the 7th Saudi Engineering Conference (SEC07), 1-3 Nov. 2007.
- Coordinator of Electrical Machines and Power Electronics Group in Electrical Engineering Department, College of Engineering, King Saud University From Ramadan 1426H till Now.
- Head of the Students Registration Committee Electrical Engineering Department, College of Engineering, King Saud University.
- Associate Editor of "Journal of Trends in Electrical Engineering", STM Journals
- Member in academic accreditation (ABET) in Electrical Engineering Department, College of Engineering, King Saud University.
- Wind Energy Research Group Coordinator in Sustainable Energy Technology Program at King Saud University, <http://set.ksu.edu.sa/English/WindEnergy.aspx> .
- Conducting a Workshop " Photovoltaic Overview" at Saudi Telecommunication Company, May 2007.
- Conducting a Workshop " Adjustable Frequency Drives" at Saudi Aramco Chair in Electrical Power, KSU, Feb. 2011.
- Head of International Advisory committee of this conference " the 2014 International Conference on Advancements in Electrical, Electronics and Computer Technologies(ICAEECT'14). The ICAEECT'14 will be held during March 27-28, 2014 in Cape Institute of Technology, India, http://www.icaeect14.co.in/icaeect14_003.htm
- Head of committee for Electrical Engineering Profesional Exam for the Kingdom of Saudi Arabia, 2020.
- Chair professor of of Saudi Electricity Company Chair in power system reliability and security, King Saud University, Riyadh, Saudi Arabia.

FUNDED RESEARCH PROJECTS

- | | |
|---|---------------|
| • (PI) "Power quality & Energy Savings" Project with Mansoura University and Egyptian Electricity Authority. | FINISHED 2005 |
| • (PI) "Improvement of Utility Interconnection of Wind Energy Systems" With Sabic Company and King Saud University, Saudi Arabia. | FINISHED 2008 |
| • (PI) " Digital Implementation of Smart Maximum Power Point Tracker for Photovoltaic System " With Sabic Company and King Saud University, Saudi Arabia. | FINISHED 2009 |
| • (PI) " Using of CFL Instead of using Incandescent Lamp", Ministry of Water and Electricity, Saudi Arabia, 2011. | FINISHED 2012 |
| • (Co-Author) "Study of Improving the electric power supply in the industrial, commercial, and residential loads" with Ministry of Water and Electricity | FINISHED 2013 |

- (Co-Author) "Economic Evaluation of Renewable Energy Options for Rural Electrification and Farms in Saudi Arabia " with the long-term comprehensive National Plan for Science, Technology and Innovation, Saudi Arabia, Started Jan. 2010. FINISHED 2012
- (PI) "Design and Implementation of Wind Energy System in KSA" with the long-term comprehensive national plan for science, Technology and Innovation. FINISHED 2013
- (Co-Author) "Piezoelectric Generator for Self-Powered Micro/Nano devices" with the long-term comprehensive national plan for science, Technology and Innovation. FINISHED 2013
- (PI) "Optimal Allocation and Sizing of Distributed Generation and the Impact of Hosting Capacity" British Council, Institutional Links/Gulf Grants STARTED 2016
- (Co-PI) " A Development of PV System Performance and Fault" with Korea Agency for Infrastructure Technology Advancement, Korea Institute of Civil Engineering and Building Technology, and Sustainable Energy Technology Center, King Saud University STARTED 2017
- (PI) "Testing and evaluation of Lithium-ion Batteries for renewable energy systems in Saudi Arabia" King Abdullah City for Atomic and Renewable Energy STARTED 2018
- (PI) " Design and Implementation of Smart Grid for Hybrid Renewable Energy System in KSA " with the long-term comprehensive national plan for science, Technology and Innovation. STARTED 2019
- (Co-PI) "Feasibility study of groundwater desalination by reverse osmosis using wind energy in specific places in the KSA" with the long-term comprehensive national plan for science, Technology and Innovation. STARTED 2019

ATTENDING CONFERENCES

Dr. Eltamaly attended more than 50 conferences and contribute as a head and as a one of advisory committee of many conferences, here a sample of these conferences.

- AMSE conference in system analysis, control & design, Czech Republic, July 3-5, 1995
- Minia First Conference in Engineering and Technology, Elminia, Egypt, 8-10 Oct., 1995
- IEEE, Applied Power Electronics Conference, Dallas, Texas, USA 14-18, March 1999
- IEEE, Applied Power Electronics Conference, Anaheim, California, USA 6 – 10, Feb., 2000
- IEEE, Applied Power Electronics Conference, New Orleans, LA, USA 2000, pp.1059-1065
- MEPCON, 2001, Helwan, Egypt Dec. 16-18, 2001
- " 2nd Minia International Conference for Advanced Trends in Engineering, (MICATE'2002) Elminia, Egypt 16-18 March 2002
- IEEE Power Electronics Specialists Conference, PESC'02, Cairns, Australia, June 2002
- MEPCON, 2003, IEEE, Elminofya, Egypt Dec. 16-18, 2003
- 2nd Minia International Conference for Advanced Trends in Engineering, (MICATE'2005) Elminia University, Elminia, Egypt 3-5 April 2005
- Minia International Conference "Towards a Safe and Clean Environment", (TSCE05), Elminia University, Elminia, Egypt 15-18 April, 2005
- International Conference on Electrical Machines, ICEM06, Chania, Crete Island, Greece Sept. 2006
- ACEMP'07 international conference in ELECTROMOTION'07 Bodrum, Turkey 2007
- International Conference on Power Electronics and Power Engineering, Paris, France 24-26 June 2009
- Solar Future 2010, Istanbul, Turkey Feb. 2010
- ICREPQ 2010', Granada, Spain March 2010
- Speedam 2010, Italy 14-16 June 2010
- AIS 2010, Povo de Varzim, Portugal June 21-23, 2010
- IEEE/ASME International Conference on Advanced Intelligent ... Symposium on Industrial Electronics ISIE 2011, Gdansk, Poland. June 27-30, 2011
- ICREE 2012 Conference, Singapore 26- 28 Feb. 2012
- IEEE International Conference, on Control System, Computing and Engineering, (ICCSCE Nov. 2012

- 2012), Penang, Malaysia
- 2013 4th International Conference on Intelligent Systems, Modelling and Simulation, (ISMS 2013), Bangkok, Thailand 29-31 Jan. 2013
- The Asian Conference on Sustainability, Energy and the Environment 2014, ACSEE2014, Osaka, Japan 12-15 June 2014
- Head of International Advisory committee of this conference " the 2014 International Conference on Advancements in Electrical, Electronics and Computer Technologies (ICAECT'14). The ICAECT'14, in Cape Institute of Technology, India, March 27-28, 2014
http://www.icaect14.co.in/icaect14_003.htm
- IEEE Int'l Conference on Smart Energy Grid Engineering (SEGE 2015), Oshawa, Canada Aug. 2015

PUBLICATIONS:

Prof. Eltamaly has published:

- More than **20 books** and book chapters
- Two patents
- More than **100 Journal Papers**
- More than **50 Conferences papers**

A list of his publications is shown in the following:

PUBLISHED BOOKS AND BOOK CHAPTERS

- [B1] **Ali M. Eltamaly**, et al. "Control and Operation of Grid-Connected Wind Energy Systems" eBook ISBN: 978-3-030-64336-2, Hardcover ISBN, 978-3-030-64335-5, Springer., 2020. **Book**
- [B2] Saad Motahhir, **Ali M. Eltamaly** "Advanced Technologies for Solar Photovoltaics Energy Systems", eBook ISBN:978-3-030-64565-6, Hardcover ISBN: 978-3-030-64564-9 Springer., 2020. **Book**
- [B3] **Ali M. Eltamaly**, et al. "Solar Photovoltaic Energy: From Semiconductor to the advanced use", Under publication, Springer, 2020 **Book**
- [B4] **Ali M. Eltamaly**, et al. "Hybrid Renewable Energy Systems and Power Quality", Under publication, CRC textbook, 2020 **Textbook**
- [B5] **Ali M. Eltamaly** "Fundamental of Power Electronics" Textbook Under Publication, Springer Cham, 2020 **Book**
- [B6] **Eltamaly, Ali M.** et. al, "Modern Maximum Power Point Tracking Techniques for Photovoltaic Energy Systems". Springer., 2020. **Book**
- [B7] **Eltamaly, Ali M.**, and Hassan MH Farh. "PV Characteristics, Performance and Modelling." In " Modern Maximum Power Point Tracking Techniques for Photovoltaic Energy Systems. Springer, Cham, 2020. 31-63. **Book Chapter**
- [B8] Farh, Hassan MH, and **Ali M. Eltamaly**. "Maximum Power Extraction from the Photovoltaic System Under Partial Shading Conditions." Modern Maximum Power Point Tracking Techniques for Photovoltaic Energy Systems. Springer, Cham, 2020. 107-129. **Book Chapter**
- [B9] **Eltamaly, A.M.** and Mohamed, M.A., **2018**. Optimal Sizing and Designing of Hybrid Renewable Energy Systems in Smart Grid Applications. In Advances in Renewable Energies and Power Technologies, Elsevier 2018, (pp. 231-313). **Book Chapter**
- [B10] **Eltamaly, A.M.**, 2018. Performance of MPPT Techniques of Photovoltaic Systems Under Normal and Partial Shading Conditions. In Advances in Renewable Energies and Power Technologies, Elsevier 2018, (pp. 115-161). **Book Chapter**
- [B11] Mohamed, M. A., and **Ali M. Eltamaly**. "Modeling and Simulation of Smart Grid Integrated with Hybrid

- Renewable Energy Systems." Springer, (2018). Softcover, ISBN 978-3-319-87874-4, Softcover, ISBN 978-3-319-64796-8 [Book](#)
- [B12] Mohamed, M.A. and **Eltamaly, A.M.**, 2018. Modeling of Hybrid Renewable Energy System. In Modeling and Simulation of Smart Grid Integrated with Hybrid Renewable Energy Systems(pp. 11-21). Springer, Cham. [Book Chapter](#)
- [B13] Mohamed, M.A. and **Eltamaly, A.M.**, 2018. Modeling and Simulation of Smart Grid Integrated with Hybrid Renewable Energy Systems. Springer, 2018 [Book Chapter](#)
- [B14] Mohamed, M.A. and **Eltamaly, A.M.**, 2018. Sizing and Techno-Economic Analysis of Stand-Alone Hybrid Photovoltaic/Wind/Diesel/Battery Energy Systems. In Modeling and Simulation of Smart Grid Integrated with Hybrid Renewable Energy Systems (pp. 23-38). Springer, Cham. [Book Chapter](#)
- [B15] Mohamed, M.A. and **Eltamaly, A.M.**, 2018. A PSO-Based Smart Grid Application for Optimum Sizing of Hybrid Renewable Energy Systems. In Modeling and Simulation of Smart Grid Integrated with Hybrid Renewable Energy Systems(pp. 53-60). Springer, Cham. [Book Chapter](#)
- [B16] Mohamed, M.A. and **Eltamaly, A.M.**, 2018. A Novel Smart Grid Application for Optimal Sizing of Hybrid Renewable Energy Systems. In Modeling and Simulation of Smart Grid Integrated with Hybrid Renewable Energy Systems (pp. 39-51). Springer, Cham. [Book Chapter](#)
- [B17] **Ali M. Eltamaly**, "Power Quality in Interconnecting Renewable Energy to Electric Utility", Lambert Academic Publishing., Deutschland, 2011, ISBN: 978-3-8465-9012-6. [Book](#)
- [B18] **Ali M. Eltamaly** "Engineering Mathematics" Abou_Helal Publisher, Code Number in Egyptian books house is 16814-2003, [Book](#)
- [B19] **Ali M. Eltamaly** "Electrical Machines" Abou_Helal Publisher, Code Number in Egyptian books house is 16813-2003. [Book](#)
- [B20] Book Chapter under title " Harmonics Reduction Techniques in Renewable Energy Interfacing Converters , Book Title "Renewable Energy", intechweb publisher, Renewable Energy, ISBN 978-953-7619-52-7, publishing date: December 2009. [Book Chapter](#)
- [B21] Book chapter by "**Ali M. Eltamaly**, A I. Alolah, and Hassan M. Farh "Maximum Power Extraction from Utility-Interfaced Wind Turbines" intechweb publisher, ISBN 978-953-51-1040-8, , Published: March 13, 2013, license pp. 159-192, [Book Chapter](#)
- [B22] Eltamaly, A.M., Mohamed, Y.S., El-Sayed, A.H.M. and Elghaffar, A.N.A., 2021. AC Microgrid Protection Coordination. Microgrid Technologies, pp.197-226. [Book Chapter](#)
- [B23] Eltamaly, A.M., Photovoltaic Maximum Power Point Trackers: An Overview. Advanced Technologies for Solar Photovoltaics Energy Systems, p.117. [Book Chapter](#)
- [B24] Eltamaly, A.M., Mohamed, M.A. and Abo-Khalil, A.G., Design and Comprehensive Analysis of Maximum Power Point Tracking Techniques in Photovoltaic Systems. Advanced Technologies for Solar Photovoltaics Energy Systems, p.253. [Book Chapter](#)
- [B25] Eltamaly, A.M., 2021. New software for matching between wind sites and wind turbines. Control and Operation of Grid-Connected Wind Energy Systems, pp.275-317. [Book Chapter](#)
- [B26] Sayed, K., Abo-Khalil, A.G. and Eltamaly, A.M., 2021. Wind Power Plants Control Systems Based on SCADA System. Control and Operation of Grid-Connected Wind Energy Systems, pp.109-151. [Book Chapter](#)
- [B27] Eltamaly, A.M., Zaki Diab, A.A. and Abo-Khalil, A.G., 2021. Robust Control Based on H_{∞} and Linear Quadratic Gaussian of Load Frequency Control of Power Systems Integrated with Wind Energy System. Control and Operation of Grid-Connected Wind Energy Systems, pp.73-86. [Book Chapter](#)
- [B28] Eltamaly, A.M., Mohamed, Y.S., El-Sayed, A.H.M., Elghaffar, A.N.A. and Abo-Khalil, A.G., 2021. D-STATCOM for Distribution Network Compensation Linked with Wind Generation. Control and Operation of Grid-Connected Wind Energy Systems, pp.87-107. [Book Chapter](#)
- [B29] Eltamaly, A.M., Mohamed, M.A. and Abo-Khalil, A.G., 2021. Maximum power point tracking strategies of grid-connected wind energy conversion systems. Control and Operation of Grid-Connected Wind Energy Systems, pp.193-225. [Book Chapter](#)
- [B30] Abo-Khalil, A.G., Eltamaly, A.M. and Sayed, K., 2021. Different Approaches for Efficiency Optimization of DFIG Wind Power Generation Systems. Control and Operation of Grid-Connected Wind Energy Systems, pp.35-56. [Book Chapter](#)

- [B31] Abo-Khalil, A.G. and Eltamaly, A.M., 2021. Voltage Source Converter Control Under Unbalanced Grid Voltage. Control and Operation of Grid-Connected Wind Energy Systems, pp.57-72. [Book Chapter](#)
- [B32] Eltamaly, A.M., Mohamed, Y.S., El-Sayed, A.H.M. and Elghaffar, A.N.A., 2021. AC Microgrid Protection Coordination. Microgrid Technologies, pp.197-226. [Book Chapter](#)
- [B33] Eltamaly, A.M., Mohamed, Y.S., El-Sayed, A.H.M. and Elghaffar, A.N.A., 2021. Wind Distributed Generation with the Power Distribution Network for Power Quality Control. In Enabling Machine Learning Applications in Data Science (pp. 131-149). Springer, Singapore. [Book Chapter](#)

PATENTS:

1. U.S.A Patent # 9,548,680. **"Self Power SSHI Circuit for Piezoelectric Energy Harvester"**, 2017. **Eltamaly, A.M.** and Addoweesh, K., King Saud University, 2017. Self power SSHI circuit for piezoelectric energy harvester. U.S. Patent 9,548,680.
2. U.S.A Patent # 9,752,556 **"Multi-rotor vertical axis wind turbine"**, 2017 Al-Saud, M.S.T., **Eltamaly, Ali.M.A.** and Al-Ahmari, A.M.A., King Saud University, 2017. Multi-rotor vertical axis wind turbine. U.S. Patent 9,752,556.

There are more three patents under publications in the USA patent office.

JOURNAL PUBLICATIONS

- [J1] Ali M. Eltamaly, H. H. El-Tamaly and M. Hamada (1995)" **Computer Simulation of Wind Energy System and Applications**", System analysis, control & design vol. 4, Brno, Czech Republic, , pp. 84-94, 1995.
- [J2] Ali M. Eltamaly **"FPGA Based Speed Control of Three-Phase Induction Motor Using Stator Voltage Regulator"** Mansoura Engineering Journal, (MEJ), vol.32, No.2, pp.E93-E100, June 2007.
- [J3] Ali M. Eltamaly **"Improved Control Strategy for Three-Phase AC Choppers under Induction Motor Load"** Mansoura Engineering Journal, (MEJ), vol.32, No.2, pp. E86-E92, June 2007.
- [J4] Ali M. Eltamaly, and A. I. Alolah, and R. M. Hamouda **"MATLAB Simulation of Three-Phase SCR Controller For Three Phase Induction Motor"** Mansoura Engineering Journal, (MEJ), vol.31, No.3, Sep. 2006.
- [J5] Ali M. Eltamaly **"Modeling of Wind Turbine Driving Permanent Magnet Generator with Maximum Power Point Tracking System"** Journal of King Saud University, Engineering Science, vol. 19, pp.223-237, Riyadh, 2007.
- [J6] Ali M. Eltamaly **"Harmonics Reduction of Three-Phase Boost Rectifier by Modulating Duty Ratio"** Electric Power Systems Research Journal (ELSEVIER), vol. 77, pp. 1425-1431, 2007. [Q2 \[IF:3.414\]](#)
- [J7] Ali M. Eltamaly **"A Modified Harmonics Reduction Technique of Three-Phase Controlled Converter"** IEEE Transaction Industrial Electronics, vol.55, No.3 March. 2008, pp.1190-1198. [Q1 \[IF :8.236\]](#)
- [J8] Ali M. Eltamaly, A. I. Alolah, R. Hamouda, M. Y. Abdulghany**"A Novel Digital Implementation of AC Voltage Controller for Speed Control of Induction Motor"** International Journal of Power and Energy Conversion, Vol.2 #1, 2010, pp.78-94. [Q4\[IF :0.223\]](#)
- [J9] A. Alsalloum, and R.M. Hamouda, and A.I. Alolah and Ali.M. Eltamaly **"Transient Performance of an Isolated Induction Generator under Unbalanced Loading Conditions"** Journal of Energy and Power Engineering, ISSN 1934-8975, USA, Vol.4, # 5, May 2010, 30, pp. 52-57.
- [J10] Ali M. Eltamaly, A. I. Alolah, M. H. Abdel-Rahman, **"Improved Simulation Strategy for DFIG in Wind Energy Applications"**, International Review on Modeling and Simulations (I.RE.MO.S.), Vol. 4, no. 4, April. 2011, pp.525-532.
- [J11] Ali M. Eltamaly, **"Power Quality Considerations of High Penetration of CFL on Distribution Power System"**, International Review on Modeling and Simulations (I.RE.MO.S.), Vol. 4, no. 1, Feb. 2011, pp.125-132.
- [J12] Ali M. Eltamaly, Ammar Anwar Khan **"Investigation of DC link Capacitor Failures in DFIG based Wind Energy Conversion System"**, Trends in Electrical Engineering Volume 1, Issue 1, May, 2011, pp. 12-21.
- [J13] Hadeed Ahmed Sher, Ali M. Eltamaly **"Harmonics reduction techniques – A survey"** International Review of

- Electrical Engineering (I.R.E.E.), Vol. 4, n. 6, part B, Dec. 2011. [Q2\[IF :1.364\]](#)
- [J14] Ali M. Eltamaly, "**Modeling of Fuzzy Logic Controller for Photovoltaic Maximum Power Point Tracker**", Research & Reviews: A Journal of Trends in Electrical Engineering, Volume 1, Issue 2, Dec. 2011, Pages 1-11.
- [J15] A. Al Shamma'a, Khaled E. Addoweesh, Ali M. Eltamaly "**Optimum Wind Turbine Site Matching for Three Locations in Saudi Arabia**", Advanced Materials Research Journal, Vols. 347-353 (2012) pp 1973-1986
- [J16] Ali M. Eltamaly "**Novel Third Harmonic Current Injection Technique for Harmonic Reduction of Controlled Converters**" Journal of Power Electronics, Vol. 12, No. 6, Nov. 2012, pp.925-934. [Q3\[IF :1.086\]](#)
- [J17] Umar Bawah, Khaled E. Addoweesh, Ali M. Eltamaly, "**Economic Modeling of Site-Specific Optimum Wind Turbine for Electrification Studies**", Advanced Materials Research Journal, Vols. 347-353 (2012).
- [J18] Ali M. Eltamaly and Hassan M. Farh "Wind Energy Assessment for Five Locations in Saudi Arabia", Journal of Renewable and Sustainable Energy, vol. 4, No.2, March, 2012. [Q2 \[IF :2.219\]](#)
- [J19] Ali M. Eltamaly "**A novel harmonic reduction technique for controlled converter by third harmonic current injection**" Electric Power Systems Research, Vol.91, May 2012, pp.104-112, [Q2 \[IF :3.414\]](#)
- [J20] Hassan M. Farh, and Ali M. Eltamaly "**Fuzzy Logic Control of Wind Energy Conversion System**", Journal of Renewable and Sustainable Energy, Vol. 5, No.2, March, 2013. [Q2\[IF:2.219\]](#)
- [J21] Ali M. Eltamaly, Hassan M. Farh "**Maximum power extraction from wind energy system based on fuzzy logic control**", Electric Power Systems Research, Vol 97, (2013), pp. 144– 150. [Q2 \[IF :3.414\]](#)
- [J22] Ali M. Eltamaly, and Khaled E. Addoweesh, and Umar Bawah and Mohamed A. Mohamed "**New Software for Hybrid Renewable Energy Assessment for Ten Locations in Saudi Arabia**", Journal of Renewable and Sustainable Energy, Vol, 5, # 5, May, 2013. [Q2 \[IF :2.219\]](#)
- [J23] U Bawah, KEAddoweesh, Ali M Eltamaly, "**Comparative study of economic viability of rural electrification using renewable energy resources versus diesel generator option in Saudi Arabia**", Journal of Renewable and Sustainable Energy, Vol.5, 042701, pp.1-17, July, 2013. [Q2 \[IF :2.219\]](#)
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