

Abdelazeem A. Abdelsalam, PhD, MIEEE
*Professor, Electrical Engineering Department, Suez Canal University,
 Egypt*

Personal Data:

Name: Abdelazeem Abdallah Abdelsalam Abdallah
Date of Birth: December, 28th, 1978
Gender: Male
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Address: Electrical Engineering Department, Faculty of Engineering, Suez Canal University, 41522, Ismailia, Egypt.
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Education:

- **Visiting Researcher** at Ontario Tech University, Oshawa, Canada from June 2019 to Sep. 2019
- **Postdoctoral Fellowship** at University of Ontario Institute of Technology, Oshawa, Canada from December 2012 to Nov. 2013
- **Visiting Researcher** at University of Waterloo, Waterloo, Canada from May 2011 to November 2011
- **PhD** January 2011, Electrical Engineering Department, Faculty of Engineering, Suez Canal University, Egypt. The PhD. thesis title "*Classification and Mitigation of Power Quality Disturbances in Electric Distribution Networks with Wind Energy*".
- **M. Sc.** October 2005, Electrical Engineering Department, Faculty of Engineering, Suez Canal University, Egypt. The M.Sc. thesis title "*Theoretical and Experimental Study on Digital Measurements of Electrical Power using different Techniques*".
- **B. Sc.** May 2001, Very good with honor degree, Electrical Engineering, Department, Faculty of Engineering, Suez Canal University, Egypt.

Work Experience:

- August 2022 – Present **Head of Electrical Engineering Department**, Faculty of Engineering, Suez Canal University, Egypt
- July 2021 – Present **Professor**, Electrical Engineering Department, Faculty of Engineering, Suez Canal University, Egypt

- Oct. 2018 – Present **External reviewer** at National Authority for Quality Assurance and Accreditation of Education “NAQAAE”
- Sept. 2017 – Present **Adjunct Professor** at Higher Institute of Engineering and Technology, El-Shorouk, Egypt
- Sept. 2015 – Present **Adjunct Professor** at Sinai University, North Sinai, Al-Arish, Egypt
- August 2016 – July 2020 **Head of Electrical Engineering Department**, Faculty of Engineering, Suez Canal University, Egypt
- Sep. 2019 – August 2020 **Head of Quality Assurance and Accreditation Unit**, Faculty of Engineering, Suez Canal University, Egypt
- August 2016 – July 2020 **Member of Consultations Center**, Faculty of Engineering, Suez Canal University
- June 2016 – June 2021 **Associate Professor**, Electrical Engineering Department, Faculty of Engineering, Suez Canal University, Egypt
- Sept. 2015 – June 2017 **Adjunct Professor** at El-Arish Higher Institute of Engineering and Technology, North Sinai, Egypt
- April 2011 – May 2016 **Assistant Professor** Electrical Engineering Department, Faculty of Engineering, Suez Canal University, Egypt
- Dec. 2012 – Nov. 2013 **Post-Doctorate Research Follower** Electrical & Computer Engineering Department University of Ontario Institute of Technology, Oshawa, Canada.
- May 2011– Nov. 2011 **Visiting Researcher** Electrical & Computer Engineering Department, University of Waterloo, Ontario, Canada.
- Oct. 2005 – March. 2011 **Assistant Lecturer** Electrical Engineering Department, Faculty of Engineering, Suez Canal University, Egypt
- Jan. 2002 – Sept. 2005 **Research and Teaching Assistant** Electrical Engineering Department, Faculty of Engineering, Suez Canal University, Egypt

Communication and Leadership Skills:

- **Head of Electrical Engineering Department**, Faculty of Engineering, Suez Canal University, Egypt from August 2016 to July 2020 and from Aug. 2022 to present
- **External reviewer** at National Authority for Quality Assurance and Accreditation of Education “NAQAAE” from Oct. 2018 – Present
- **Committee Member** of performance evaluation of higher institutes of engineering, technology and applied arts - engineering and industrial institutes sector - Ministry of Higher Education since 2018.
- **Member of Students Affairs Committee**, Faculty of Engineering, Suez Canal University from Sept. 2016 to Aug. 2020.
- **Member of Graduate Studies and Research Committee**, Faculty of Engineering at Suez Canal University from Sept. 2020 to Aug. 2022
- **The chair founder** of the electrical engineering society at Suez Canal University, Egypt.

- **The organizer and supervisor** of many student's scientific visits to industries, power generation stations and transformation substations
- **The advisor** of IEEE student branch at Suez Canal University

Consultation Works:

- Member of Consultation Center of Faculty of Engineering, Suez Canal University that introduces Consultants in the structural and electrical fields
- Head of technical committee for renewing and replacing the medium/low voltage distribution switchboard of Suez Canal University's Hospital
- Technical committee member for installing a solar energy power station for feeding the administrative building of Suez Canal University
- Supervision committee member for installing a solar energy power station for feeding the administrative building of Suez Canal University
- Consultant of Abo-Khalifa waste-water treatment project
- Consultant of Al-sharq Al-Awsate community buildings project
- Technical tests
- Preparing technical reports including recommendation of maintenance.

Research Funding History:

Funding Title	Funding Status	Funding Role	Start Date	End Date
The Partnership and Ownership Initiative Grant	Completed	Principal Applicant	May/2011	Dec/2011
Qatar National Research Foundation	Completed	Post-Doctorate	November 2012	November 2015

Activities

a) Training Activities; I have presented many training courses

Training course name	Place	Target group
Design of power factor banks	Canal company for electricity distribution, , Ismailia, EGYPT	Engineers
Design of power factor improvement banks	Waste and drinking water company, Ismailia, EGYPT	Engineers
Electric distribution systems	Egyptian Syndicate of Engineers at Ismailia	Engineers & Students

b) Courses Taught Activities; I have taught many academic courses

Role	Course Title	Course Level
Professor, Associate Professor &	<ul style="list-style-type: none"> • Distributed Generations • Artificial intelligence applications in power systems • Power Quality • Renewable energy resources 	Graduate
	<ul style="list-style-type: none"> • Electric Circuits I & II 	Undergraduate

Assistant Professor	<ul style="list-style-type: none"> • Electric Power Systems I, II & III • Electrical Machines I & II • Electrical and Electronic Instrumentations • Electric Power System Planning • Control of Power Systems • Power System Protection • Protection and Switchgear • Electrical Materials 	
Assistant Lecturer & Teaching Assistant	<ul style="list-style-type: none"> • Electric Circuits I & II • Electrical Materials • Electric Power system I, II & III • Power system Planning • Electrical Machines I & II • Power System Protection • Energy Conversion • Electrical and electronic instrumentations 	Undergraduate

c) **Program Development Activities:** I have developed many graduate and undergraduate degrees as follow

Role	Program Title	Course Level	Year
Committee Member	Modification of Credited Hours Degrees	Post Graduate	2014
Committee Member	Modification of Credited Hours Degrees	Under Graduate	2015
Head of Committee	New Credited Hours Degrees, 2021	Post Graduate	2021
Head of Committee	New Credited Hours Degrees, 2021	Under Graduate	2021

d) **Supervisory Activities**

Total number of students supervised and graduated, as of Jun 1st, 2022: 10 MSc & 3 PhD

Total number of students under present supervision, as of Jun 1st, 2022: 13 MSc & 6 PhD

e) **Administrative Activities;** I have participated in many international conferences

Role	Event Type	Event Name	Event year
Technical Committee	Conference	IEEE Smart Energy Grid Engineering, SEGE, Canada	2013, 2014, 2015, 2016 2017, 2019
Session Chair	Conference	IEEE Smart Energy Grid Engineering, SEGE, Canada	2013, 2015, 2019
Organization Committee	Conference	The 10th International Middle-East Power Systems MEPCON'05, Egypt	2005
Reviewer	Conference	The International Middle-East Power Systems MEPCON, Egypt	2010 - 2022

f) Assessment and Review Activities

Journal Review Activities

Role	Journal Name	Review Type	Activity Start
Reviewer	IEEE Transactions on Smart Grid	Blind	2010
Reviewer	Electric Power System research	Blind	2010
Reviewer	European Transaction on Electrical power	Blind	2010
Reviewer	IEEE Transactions on Power Delivery	Blind	2011
Reviewer	International Journal of Electrical Power and Energy Systems	Blind	2011
Reviewer	Electric Power Component & Systems	Blind	2011
Reviewer	IEEE Transactions on Power Systems	Blind	2012
Reviewer	International Transactions on Electrical Energy Systems	Blind	2013
Reviewer	Ain Shams Engineering Journal	Blind	2013
Reviewer	IEEE Access	Blind	2018

g) Memberships

Role	Committee Name	Membership Start Date
Member	Egyptian Syndicate of Engineers	March/2003
Member	Institute of Electrical & Electronic Engineers (IEEE)	Jan/2013

Academic Awards and Recognitions

- Awarded the International publication prize of Suez Canal University in 2012 – 2015 and 2018 - 2021
- Awarded a funded grant to be a visiting scholar at University of Waterloo, Canada in October 2010.
- Awarded a Post-doctorate follower position at University of Ontario institute of technology (UOIT), Canada in 2012
- Best BSc degree, Honour Distinction, Faculty of Engineering, Suez Canal University, 2001

Research / industrial project management experience

Research projects as Participant

- UOIT, Canada -Qatar University: Design and Operation Support System for Risk-Based Energy Conservation and Supply Management of Industrial and Societal Facilities (Nov. 2012 – Oct. 2015).
- UOIT, Canada: Micro Grid Design, Control, and Protection (Dec. 2013 – Nov. 2015).
- UOIT, Canada: Flywheel-Based Fast Charging Station (Nov. 2018 – Oct. 2020)

Industrial projects:

- Project of renewing and replacing the medium/low voltage distribution switchboard of Suez Canal University's Hospital
- Project of Installing a solar energy power station for feeding the administrative building of Suez Canal University
- Consultant of Abo-Khalifa waste-water treatment project
- Consultant of Al-sharq Al-Awsate community buildings project

Research:

a) Area of Interest

- ✦ Power quality issues; classification and mitigation techniques
- ✦ FACTS and D-FACTS Technologies; SVC, STATCOM, DSTATCOM, UPQC, SFC
- ✦ Renewable energy resources control and operation
- ✦ Micro grid design and control
- ✦ Energy conservations in smart building
- ✦ Artificial Intelligence (AI) applications in power system; ANN, ANFIS, FL, ES, etc.
- ✦ Optimization techniques application in power system; GA, PSO, CSA, SA, etc.

b) Scientific Publications

Google scholar account: <http://scholar.google.com/eg/citations?user=XAjq6LYAAA&hl=en>

Scopus Account: <https://www.scopus.com/authid/detail.uri?authorId=46060962400>

Peer-reviewed Journal papers (Author): 40

Book chapter: 3

Peer-reviewed conference papers 28

Citations in Google scholar: 805 h-index: 14 (in google scholar) i10-index: 19

Citations in Scopus: 680 h-index: 11

1) Published articles in refereed Journals:

1. **Abdelazeem A. Abdelsalam**, Sherief S. Ghouniem, Ahmed A. Salem, "An Efficient Compensation of Modified DSTATCOM for Improving Microgrid Operation," *Alexandria Engineering Journal*, 2022
2. Ahmed Salem, A. H. K. Alaboudy, **Abdelazeem. A. Abdelsalam**, " An Efficient Fault Ride Through Capability for Integrating Inverter Based DG with Microgrid to Enhance the Transient Response," *Electrical Engineering (Springer)*, 2021
3. **Abdelazeem A. Abdelsalam**, Hossam A. Gabbar, "Energy Management of Water Distribution Networks by Optimal Scheduling of Pumps," has been accepted in *Heliyon (Elsevier)*.
4. **Abdelazeem A. Abdelsalam**, Almoataz Y. Abdelaziz and Mohamed. Z. Kamh, "A Generalized Approach for Power Quality Disturbances Recognition Based on Kalman Filter," *IEEE Access*, vol. 9, pp. 93614-93628, 2021.
5. **Abdelazeem A. Abdelsalam**, A. M. Hassanin, Hany M. Hasanien, "Categorization of Power Quality Problems Using Long Short-Term Memory Networks" *IET Generation, Transmission & Distribution*, vol. 15, pp. 1626–1639, 2021.
6. Ahmed Ezzat, Basem E. Elnaghi, **Abdelazeem A. Abdelsalam**, "Islanding Detection of Microgrid Based on Deep Learning Algorithm," *Electric Power Systems Research*, vol. 196, 107224, 2021.
7. Ahmed A. Salem, Azza A. Eldesouky, Ahmed A. Farahat, **Abdelazeem. A. Abdelsalam**, "New Analysis Framework of Lyapunov-Based Stability for Hybrid Wind Farm Equipped with FRT: A Case Study of Egyptian Grid Code," *IEEE Access*, vol. 9, pp. 80320-80339, 2021
8. Hossam A. Gabbar, **Abdelazeem A. Abdelsalam**, "Energy - Water Nexus: Integration, Monitoring, KPIs and Research Vision," *energies*, vol. 13, no. 24, 6697, 2020.
9. **Abdelazeem A. Abdelsalam**, Ahmed E. Salem, Eyad S. Oda, Azza A. Eldesouky, "Islanding Detection of Microgrid Incorporating Inverter Based DGs Using Long Short-Term Memory Network," *IEEE Access*, vol. 8, pp. 106471 – 106486, 2020
10. **Abdelazeem A. Abdelsalam**, Honey A. Zedan, Azza A. Eldesouky, "Energy Management of Microgrids Based on Load Shifting and Multi-Agent System" *Journal of Control, Automation and Electrical Systems*, vol. 31, pp. 1015–1036, 2020.

11. **Abdelazeem A. Abdelsalam**, “Optimal Distributed Energy Resources Allocation for Enriching Reliability and Economic Benefits using Sine-Cosine Algorithm” *Technology and Economics of Smart Grids and Sustainable Energy*, vol. 8, pp. 1-18, 2020.
12. **Abdelazeem A. Abdelsalam**, Almoataz Y. Abdelaziz “Minimizing the Cost of Wide Area Monitoring Systems by Optimal Allocation of PMUs and Their Communication Infrastructure” *Arabian Journal for Science and Engineering*, vol. 45, pp. 6453–6466, 2020.
13. **Abdelazeem A. Abdelsalam**, Karim M. Hassanin, Almoataz Y. Abdelaziz and Hassan Haes Alhelou, “Optimal PMUs Placement with Considering ZIBs and Single Line and PMUs Outages,” *Energy*, vol. 8, no. 1, pp. 122–141, 2020.
14. **Abdelazeem A. Abdelsalam**, Hany S. Mansour, “Optimal Allocation and Hourly Scheduling of Capacitor Banks Using Sine Cosine Algorithm for Maximizing Technical and Economic Benefits,” *Electric Power Components and Systems*, vol. 47, no. 12, pp. 1025-1039, 2019.
15. Ahmed Salem, A. H. K. Alaboudy, **Abdelazeem. A. Abdelsalam** and H. E. A. Talaat, "Incorporating Switched Modulated Power Filter Compensator to Enhance Microgrid Stability under Fault Provoked Islanding Conditions," *Electric Power Components and Systems*, vol. 47, no. 12, pp. 1046-1059, 2019
16. **Abdelazeem A. Abdelsalam**, “Maximizing Technical and Economical Benefits of Distribution Systems by Optimal Allocation and Hourly Scheduling of Capacitors with Distributed Energy Resources”, *Australian Journal of Electrical and Electronics Engineering*, vol. 16, no. 4, pp. 207-219, 2019
17. Sahar Gamaa, **Abdelazeem Abdelsalam**, Almoataz Abdelaziz, “Power System Distortions Mitigation Using Switched Filter Compensator,”, *American Journal of Electrical Power and Energy Systems*, vol. 5, no. 6, pp. 76-80, 2016.
18. Hossam A. Gabbar, **Abdelazeem A. Abdelsalam**, Adel M. Sharaf, “PSO-Based Control Optimization of Microgrid with D-FACTS”, *International Journal of Power & Energy Conversion*, vol. 7, no. 1, pp. 21- 40, 2016
19. Eyad S. Oda, **Abdelazeem A. Abdelsalam**, Mohamed N. Abdelwahhab, Magdi M. El-Saadawi, “Distributed Generations Planning using Flower Pollination Algorithm for Enhancing Distribution System Voltage Stability” *Ain Shams Engineering Journal.*, 2015
20. **Abdelazeem A. Abdelsalam**, A. A. Zidan, E. F. El-Saadany “Optimal DG Allocation in Radial Distribution Systems with High Penetration of Non-Linear Loads”, *Electric Power Components & Systems*, Vol. 43, No. 13, pp. 1–11, 2015
21. Ahmed H. Elmetwaly, **Abdelazeem A. Abdelsalam**, Azza A. Eldessouky, Abdelhay A. Sallam,” Detection and Identification of PQ Disturbances Using S-Transform and Artificial Intelligent Technique” *American Journal of Electrical Power and Energy Systems*, Vol. 4, No. 1, pp. 1-9, 2015.
22. **Abdelazeem A. Abdelsalam**, Hossam A. Gabbar, and Adel M. Sharaf, “Performance Enhancement of Hybrid AC/DC Microgrid based D-FACTS”, *International Journal of Electrical Power & Energy Systems*, issue 63, pp. 382-393, 2014. (*Elsevier*).
23. **Abdelazeem Abdelsalam**, Hossam A. Gabbar, F. Musharavati and S. Pokharel “Dynamic Aggregated Building Electricity Load Modeling and Simulation”, *Simulation Modeling Practice and Theory Journal*, Vol. 42, pp. 19–31, 2014 (*Elsevier*).
24. Hossam A. Gabbar, **Abdelazeem Abdelsalam**, “Microgrid Energy Management in Grid-Connected and Islanding Modes based on SVC”, *Energy Conversion and Management* issue 86, pp. 964-972, 2014 (*Elsevier*).
25. **Abdelazeem A. Abdelsalam**, Hossam A. Gabbar, and Adel M. Sharaf, “Control for Hybrid AC/DC Microgrid with D-FACTS using Genetic Algorithm”, *International Journal of Power and Energy Systems*, vol. 34, issue 2, 2014.
26. Hossam A. Gabbar, Ming Xiaoli, **Abdelazeem A. Abdelsalam**, Negar Honarmand, “Key Performance Indicators Modeling for The Evaluation of Microgrid with Distributed Energy

- Resources”, *International Journal of Distributed Energy Resources and Smart Grids*, Vol. 10, No. 4, pp. 219-242, 2014.
27. Hossam A. Gabbar, Negar Honarmand, **Abdelazeem A. Abdelsalam**, “Resilient Micro Energy Grids for Continuous Production in Oil & Gas Facilities”, *The Journal of Advances in Robotics & Automation*, Vol. 3, Issue 3, pp. 1- 7, 2014.
 28. Hossam A. Gabbar, Negar Honarmand, **Abdelazeem A. Abdelsalam**, “Transformational leadership and its impact on governance and development in African nations: An analytical approach,” *Journal of Entrepreneurship & Organization Management*, vol. 3, no. 2, pp. 1-12, 2014.
 29. **Abdelazeem A. Abdelsalam**, Ehab El-Saadany, “Probabilistic approach for optimal Planning of Distributed Generators with Controlling Harmonic Distortions”, *IET Generation Transmission and Distribution*, Vol. 7, Issue 10, pp. 1105-1115, 2013.
 30. A. M. Sharaf, **A. A. Abdelsalam**, “A FACTS Based Stabilization Compensation Scheme for Smart Distribution Grid”, *Australian Journal of Electrical & Electronics Engineering*, Vol.10, No.1, 2013.
 31. **A. A. Abdelsalam**, M. E. Desouki, A. M. Sharaf, “Power Quality Improvement Using FACTS Power Filter Compensation Scheme ”, *Journal of Electrical Systems*, Vol. 9, No. 1, pp. 86- 86, 2013.
 32. **A. A. Abdelsalam**, A. M. Sharaf, A. A. Eldesouky,” Power Quality Enhancement in Wind-Grid Interface Based on Dynamic Filter Compensator”, *International Journal of Distributed Energy Resources and Smart Grids*, Vol. 9 No. 4, October 2013.
 33. **A. A. Abdelsalam**, A. A. Eldesouky, A. A. Sallam, “Classification of Power System Disturbances Using Linear Kalman Filter and Fuzzy-Expert System”, *International Journal of Electrical Power and Energy Systems*, vol. 43, pp. 688-695, 2012
 34. **A. A. Abdelsalam**, Azza A. Eldesouky, Abdelhay A. Sallam, “Characterization of power quality disturbances using hybrid technique of linear Kalman filter and fuzzy-expert system”, *Electric Power Systems Research*, Vol. 83, Issue 1, pp. 41-50, 2012
 35. A. M. Sharaf, **A. A. Abdelsalam**, “A FACTS Based Static Switched Filter Compensator for Voltage Control and Power Quality Improvement in Wind Smart Grid”, *International Journal of Power Engineering (IJPE)*, Vol.4, No.1, pp. 41- 57, 2012.
 36. A. M. Sharaf, **A. A. Abdelsalam**, “A FACTS Switched Filter Compensation Scheme for Smart Grid-Distribution Nonlinear Loads”, *International Journal of Distributed Energy Resources*, vol. 8, no. 3, pp. 169-183, 2012.
 37. A. M. Sharaf, **A. A. Abdelsalam**, “A FACTS Dynamic Stabilization Scheme for Smart Grid-Wind Utilization” *International Journal of Power Engineering and Green Technology*, Vol. 2, No. 2, pp. 137- 144, 2011.
 38. A. M. Sharaf, **A. A. Abdelsalam**, A. A. Eldesouky, A.A. Sallam, “A Novel FACTS Based Modulated Power Filter Compensation Scheme for Smart Electric Grid Stabilization and Efficient Utilization”, *International Journal of Distributed Energy Resources*, Vol. 7, No. 4, pp. 311-328, 2011
 39. A. A. Eldesouky, **A. A. Abdelsalam**, A. A. Sallam," A New Approach for Power System Disturbances Classification Based on Kalman Filter", *International Journal of Distributed Energy Resources*, Vol. 6, No. 4, pp. 343-358, 2010.
 40. A. M. Karim El-Din, S. S. El Dessouky, **A. A. Abdelsalam**, “Practical power system frequency and harmonics tracking using dual technique of Fourier transform and Extended Kalman filter,” *Port-Said Engineering Research Journal, PSERJ*, Vol. 9, No.1. pp. 112-125, March 2005.

2) Presented papers in international conferences:

1. M. Bekhiet, **Abdelazeem A. Abdelsalam**, Essam M. Rashad, “Effect of Magnetic Saturation on Performance of Series-Connected Wound-Rotor Induction Motors in Super-Synchronous

- Mode,” *22st International Middle East Power Systems Conference (MEPCON)*, Assuit, Egypt, 2021.
2. Naema M. Mansour, Eyad S. Oda, Emad E. Omran, **Abdelazeem A. Abdelsalam**, “An Analytical Investigation Review of DG Impacts on the Relaying Performance in Distribution Networks,” *22st International Middle East Power Systems Conference (MEPCON)*, Assuit, Egypt, 2021.
 3. Ahmed A. Salem, Ahmed M. Ewada, **Abdelazeem A. Abdelsalam**, “Modeling and Performance Analysis of VSC-HVDC Transmission System with DC Side Line to Line Fault,” *22st International Middle East Power Systems Conference (MEPCON)*, Assuit, Egypt, 2021.
 4. M. Hassan, M. Nabil, **Abdelazeem A. Abdelsalam**, “Mitigation of Electric Vehicle Distortion Impact on Distribution Networks,” *2019 21st International Middle East Power Systems Conference (MEPCON)*, Cairo, Egypt, pp. 921-926, 2019.
 5. **Abdelazeem A. Abdelsalam**, Almoataz Y. Abdelaziz, Fahmy M. A. Bendary, “Enhancement of Distribution Networks Performance using Power Filter/Compensator,” *The 25th International Conference and Exhibition on Electricity Distribution (CIRED’19)*, Madrid, Spain, 3-6 June 2019.
 6. **Abdelazeem A. abdelsalam**, Hossam A. Gabbar, “Shunt Capacitors Optimal Placement in Distribution Networks Using Artificial Electric Field Algorithm,” *2019 IEEE 7th International Conference on Smart Energy Grid Engineering (SEGE)*, Oshawa, ON, Canada, pp. 77-85, 2019.
 7. Ahmed Ezzat Mohamed, Basem Elhady and **Abdelazeem A. Abdelsalam**, “Islanding Detection of Microgrid Using Decision-Tree Approach”, *The 11th International Conference on Electrical Engineering (ICEENG-11)*, Military Technical College, Cairo, Egypt, vol. 11, pp. 1-22, 2018.
 8. Hany S. Mansour, **Abdelazeem A. abdelsalam**, Mohamed Nabil, Abdelhay A. Sallam, “Optimal Capacitor Banks Allocation in Distribution Systems with Distributed Generators Using Antlion Optimizer,” *19th International Middle East Power Systems Conference (MEPCON)*, Menoufia University, Egypt, 19-21 December 2017, pp. 1016-1022, 2017.
 9. Eyad S. Oda, **Abdelazeem A. Abdelsalam**, “Optimal DGs Allocation in Distribution Networks Using Modified Flower Pollination Algorithm”, *19th International Middle East Power Systems Conference (MEPCON)*, Menoufia University, Egypt, 19-21 December 2017, pp. 1424-1429, 2017
 10. Ahmed A. Salem, A. H. K. Alaboudy, **Abdelazeem. A. Abdelsalam** and H. E. A. Talaat, “The Impact of Inverter Overloading Capability on the FRT Performance of Inverter-Based DG Units,” *19th International Middle East Power Systems Conference (MEPCON)*, Menoufia University, Egypt, 19-21 December 2017, pp. pp. 1298-1304, 2017
 11. Karim M. Hassanin, **Abdelazeem A. abdelsalam**, Almoataz Y. Abdelaziz “Optimal PMUs Placement for Full Observability of Electrical Power Systems Using Flower Pollination Algorithm,” *The 5th IEEE International Conference on Smart Energy Grid Engineering*, August 14-17, 2017 | Oshawa, Canada, pp. 20-25, 2017.
 12. **Abdelazeem A. abdelsalam**, Almoataz Y. Abdelaziz, Hossam A. Gabbar, Sahar M. Gamaa, “Distribution System Performance Enhancement Using Power Filter/Compensator Device,” *The 5th IEEE International Conference on Smart Energy Grid Engineering*, August 14-17, 2017 | Oshawa, Canada, pp. 26-31, 2017.
 13. Hany S. Mansour, **Abdelazeem A. abdelsalam**, Abdelhay A. Sallam, “Optimal Distributed Energy Resources Allocation Using Ant-Lion Optimizer for Power Loss Reduction,” *The 5th IEEE International Conference on Smart Energy Grid Engineering*, August 14-17, 2017 | Oshawa, Canada, pp. pp. 346-352, 2017.
 14. M. A. Kabeel, **A. A. Abdelsalam**, K. Elserafi and A. A. Sallam, “A modified DSTATCOM topology for power quality enhancement,” *2016 Eighteenth International Middle East Power Systems Conference (MEPCON)*, Cairo, Egypt, pp. 367-372, 2016.

15. A. A. Salem, **A. A. Abdelsalam**, A. H. K. Alaboudy and H. E. A. Talaat, "Dynamic performance of microgrid after fault provoked-islanding considering Induction Motor loads," *2016 Eighteenth International Middle East Power Systems Conference (MEPCON)*, Cairo, Egypt, pp. 293-298, 2016.
16. Eyad S. Oda, **Abdelazeem A. Abdelsalam**, Mohamed N. Abdelwahhab, Magdi M. El-Saadawi, "Optimal DGs Placement and Sizing in Radial Distribution Network Using Bat and Firefly Algorithms", *International Conference on New Energy & Environmental Engineering ICNEEE*, Future University, Cairo, Egypt, April 11-14, 2016
17. Ahmed E. A. Salem, **Abdelazeem A. Abdelsalam**, Ali H. K. Alaboudy, Hossam A. Talaat, "Performance Investigation of Microgrid Stability Subsequent to Fault Provoked-Islanding under Different Load and DG Conditions", *International Conference on New Energy & Environmental Engineering ICNEEE*", Future University, Cairo, Egypt, April 11-14, 2016
18. Eyad S. Oda, **Abdelazeem A. Abdelsalam**, Mohamed N. Abdelwahhab, Magdi M. El-Saadawi, "Optimal Capacitor Placement using Flower Pollination Algorithm for Enhancing Distribution System Voltage Stability and Power Loss Reduction" accepted for oral presentation on The *17th International Middle-East Power Systems Conference MEPCON 2015, Mansoura, Egypt.*
19. Eyad S. Oda, **Abdelazeem A. Abdelsalam**, Mohamed N. Abdelwahhab, Magdi M. El-Saadawi, "Distributed Generations Planning for Improving Voltage Stability and Losses Reduction" accepted for oral presentation on The *17th International Middle-East Power Systems Conference MEPCON 2015, Mansoura, Egypt.*
20. Ahmed E. A. Salem, Ali H. K. Alaboudy, **Abdelazeem A. Abdelsalam**, Hossam A. Talaat, "Comparative Analysis of DFIG and SCIG Based Grid Connected Wind Turbine under Different Modes of Operation," accepted for oral presentation on The *17th International Middle-East Power Systems Conference MEPCON 2015, Mansoura, Egypt.*
21. **Abdelazeem A. Abdelsalam**, Adel M. Sharaf, "Improvement of Power Quality in Distribution Network Using a Novel DSTATCOM Device", *IEEE International Conference on Smart Energy Grid Engineering (SEGE'15)*, UOIT, Oshawa, ON, 17-19 August, 2015.
22. **Abdelazeem A. Abdelsalam**, "A Novel DSTATCOM Scheme for Interconnected Wind-Grid System Utilizations", *IEEE International Conference on Smart Energy Grid Engineering (SEGE'15)*, UOIT, Oshawa, ON, 17-19 August, 2015.
23. **A. A. Abdelsalam**, A. M. Sharaf, "Mitigation of Power Quality Issues Using Hybrid Switched Filter Compensator ", The *15th International Middle-East Power Systems Conference MEPCON 2012, Alexandria, Egypt.*
24. **A. A. Abdelsalam**, A. M. Sharaf, "A Novel FACTS Compensation Scheme for Power Quality Improvement in Wind Smart Grid", *the 25th IEEE Canadian Conference on Electrical and Computer Engineering, 2012, CCECE '12.*
25. A. M. Sharaf, **A. A. Abdelsalam**, "A Novel FACTS Based Dynamic Voltage Compensation Scheme for Smart Electric Grid Stabilization and Efficient Utilization" *The 24th IEEE Canadian Conference on Electrical and Computer Engineering, 2011, CCECE '11*, pp 42-47.
26. A. M. Sharaf, **A. A. Abdelsalam**, "A Novel Switched Filter Compensation Scheme for Power Quality Enhancement and Loss Reduction" *International Symposium on Innovations in Intelligent Systems and Applications, INISTA 2011*, Turkey, pp 398- 403.
27. A. M. Sharaf, **A. A. Abdelsalam**, "Power Quality Enhancement In Wind-Grid Interface Based On Switched Filter Compensator" *International Symposium on Innovations in Intelligent Systems and Applications, INISTA 2011*, Turkey, pp 404- 409.
28. **A. A. Abdelsalam**, A. A. Eldesouky, A. A. Sallam, " Wavelet, Kalman Filter and Fuzzy-Expert Combined System for Classifying Power System Disturbances", *The 14th International Middle-East Power Systems Conference MEPCON 2010, Cairo, Egypt.*

3) Book chapters published or accepted to appear

1. K. Nakamatsu (Editor) , Roumen Kountchev (Editor), “*New Approaches in Intelligent Control: Techniques, Methodologies and Applications*,” Intelligent Systems Reference Library, Series 107, Springer International Publishing, 2016, ISBN: 978331932168-4
 - *Chapter 5*, Title: Intelligent Control Systems and Applications on Smart Grids, pp. 135-163.
 - *Chapter Authors*: Hossam A. Gabbar, Adel Sharaf, Ahmed M. Othman, Ahmed S.Eldessouky, and **Abdelazeem A. Abdelsalam**.
2. Ahmed F. Zobaa (Editor) and Shady H. E. Abdel Aleem (Editor), “*Power Quality in Future Electrical Power Systems*,” IET, 2017, ISBN: 9781785611230, e-ISBN: 9781785611247
 - *Chapter 12*, Title: Future trends in power quality, pp. 381- 412.
 - *Chapter Authors*: Adel Sharaf, **Abdelazeem A. Abdelsalam**, Hossam A. Gabbar, and Ahmed M. Othman
3. Almoataz Y. Abdelaziz (Editor), Shady H. E. Abdel Aleem (Editor), Anamika Yadav (Editor), “*Artificial Intelligence Applications in Electrical Transmission and Distribution Systems Protection*,” Taylor & Francis Ltd, October 2021, ISBN: 9780367552343.
 - *Chapter 11*, Title: AI-based phasor measurement units allocation for protecting transmission lines.
 - *Chapter Authors*: **Abdelazeem A. Abdelsalam**, Karim M. Hassanin