



**Qamar Alam, Ph.D. Pursuing, Associate Professor, Department of EE, Faculty of Engineering,
Integral University, Lucknow**

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[Google Scholar Citation](#) | [Research Gate](#) | [LinkedIn](#)

PROFILE:

Mr. Qamar Alam joined the Integral University in Department of Electrical Engineering as an Assistant Professor in September 2009. He is working as Associate Professor, from 01 August, 2012 to till date. He worked as an Assistant Professor in the Department of Electrical & Electronics Engineering at Integral University, Lucknow (U.P.), India, from 08 September 2009 to 01 August 2012. His research areas include renewable energy systems and power Electronics. He has published more than 8 papers in peer- reviewed journals and conferences. Mr. Alam has completed both his Bachelor and M. Tech degrees from Aligarh Muslim University, Aligarh, India.

RESEARCH INTEREST:

- Renewable energy and Power Electronics
- Instrumentation

SUMMARY OF RESEARCH ACCOMPLISHMENT:

- **Number of Publication in** in Non-Sci/Scopus but Peer Reviewed :05
- Number of publications in Scopus indexed journals :03
- Number of publications in International Conferences :02
- Book Chapters :01
- Citations :61
- H index :05
- i10 index :03
- Invited Talk as a Resource Person :01

PROFESSIONAL MEMBERSHIP:

- Member of International Society for Research and Development (Lifetime Membership No. M3140900384).

COURSE TAUGHT:

- Electrical Measurement and Instrumentation.
- Biomedical instrumentation
- Precision Instrumentation
- Basic Electrical Engineering
- Electrical Engineering Linear Network
- Power Electronics
- Electrical Machines
- Electric Drives
- Power System-I
- Electrical Engineering Material
- Renewable Energy source
- Solar Engineering
- Electrical design drawing and Estimation

ADMINISTRATIVE/DEPARTMENTAL RESPONSIBILT:

- NAAC Criteria 4 Departmental Infrastructure in-Charge since, 2024
- M.Tech Evening PSD Coordinator-2024
- NAAC Criteria 5 Departmental in-Charge from, July 2016 - July 2023
- Member of Departmental Examination Committee since July 2017-2018
- Worked as Undergraduate Final Year Project Coordinator
- Worked M. Tech Project Coordinator
- Worked as M. Tech Evening Coordinator, Instrumentation and Control
- Worked as Sport Coordinator
- Member of Board of Studies (BoS) of Electrical Engineering Department, Integral University.
- Co-Organizing Secretary of International Symposium on Computational and characterization Techniques in Engineering and Sciences held on 20 March 2017.
- Organizing Member of National Conference on “Emerging Trends in Mechanical and Electrical Engineering” (NCETMEE)-2012, at Integral University Lucknow on June 12-13, 2012.
- Seminar Incharge, Project Incharge, Course Coordinator, Convener, Class Coordinator, Mentor, Supervisor and Counselor, etc.
- Paper Setter and Examiner at different level (UG, PG, Diploma) of Examinations/Entrance Test (Internal/External).
- Incharge Electrical Machine Lab in Electrical Engineering Department, Integral University, Lucknow

STUDENTS SUPERVISION:

- M.Tech. :04 Students
- B.Tech. :09 Students

RESEARCH PAPERS SCOPUS / PEER REVIEWED RESEARCH PAPERS:

- Anas Khan, Akhlaque Ahmad Khan and **Qamar Alam**, “Detection of Human Stress using Short Term ECG and HRV signals”, in International Journal of Creative Research Thoughts, Issue 2, Volume 6, pp.1381-1384, 2018.
- Anas Khan, Akhlaque Ahmad Khan and **Qamar Alam**, “Human stress detection using ECG signals” in International Journal of Advance Research, Ideas and Innovations in Technology, Volume 4, Issue 3, pp. 89-92, 2018. (ISSN: 2454-132X, Impact factor: 4.295).
- Akhlaque Ahmad Khan, Ahmad Faiz Minai, **Qamar Alam** & M.A. Mallick, “Performance Analysis of Various Switching Scheme in Multilevel Inverters using MATLAB/SIMULINK” in International Journal of Current Engineering and Technology, Vol.4, No.2 (April 2014) Page No. 718-724 (E- ISSN 2277 – 4106, P-ISSN 2347-5161) INSPRESSCO (International Press Corporation) Association of American Publisher U.S.A Global Impact Factor:4.552
- Mohd. Tabrez Alam, Piyush Charan and **Qamar Alam** “**Sliding Mode Control of Coupled Tanks System: Theory and an Application.**” International Journal of Emerging Technology and Advanced Engineering (ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 3, Issue 8, August 2013). (Impact Factor =1.98) (Accepted and Published).
- Mirza, Mohammad Shadab, Mohammad, Tufail, **Qamar Alam**, Mallick, Mohammad Ariffuddin “Simulation and Analysis of a Grid Connected Multi-Level Converter Topologies and their Comparison” Journal of Electrical Systems and Information Technology, Volume1, Issue2, DOI: 10.1016/j.jesit.2014.07.007
- Mirza Mohd Shadab¹, Mohd Suhail Khan¹, Mohammad Asim¹, **Qamar Alam**, “Solar PV Based Grid-Tied Multilevel Inverter Topology” www.jetir.org (ISSN-2349-5162), © 2019 JETIR June 2019, Volume 6, Issue 6.
- Shiv Prakash Ram, **Qamar Alam**, Prabhat Ranjan Sarkar, “Fuzzy Logic Based Temperature Controller for Industrial Furnace” International Journal of Research and Development in Applied Science and Engineering (IJRDASE) (ISSN: 2454-6844) Volume 19, Issue 1, May 2019.

PAPER PUBLISHED IN INTERNATIONAL CONFERENCES:

Paper presented, published in IEEE Explore and IEEE Smart Grid Archival Journal,
(ISSN: 978-1-4244-7882-8/11/\$26.00 ©2011 IEEE)

- Ahmad Faiz Minai, Abu Tariq and **Qamar Alam**, “**Theoretical and Experimental Analysis of Photovoltaic Water Pumping System**” in Proc. IICPE10, 2011, CD-ROM, at NSIT, New Delhi.
- A. A. Khan, A. F. Minai, L. Devi, **Q. Alam** and R. K. Pachauri, "Energy Demand Modelling and ANN Based Forecasting using MATLAB/Simulink," 2021 International Conference on Control, Automation, Power and Signal Processing (CAPS), 2021, pp. 1-6, doi: 10.1109/CAPS52117.2021.9730746. (IEEE, SCOPUS)

PUBLISHED IN NATIONAL CONFERENCES:

- Abu Tariq and Qamar Alam “**Simulation model of photovoltaic array**”, National conference on Power Electronics and renewable energy source system organized by SSW College of engineering in association with IEEE & ISA, in 2008.

BOOK CHAPTER PUBLISHED:

A. A. Khan, A. F. Minai, **Q. Alam**, F. I. Bakhsh (2023) Multilevel Inverters: Classification Approaches and its Application in Photovoltaic System, in: Multilevel Converters: Advances and Applications: Published on 1 July 2024. |Online ISBN:9781394167371 |DOI:10.1002/9781394167371-2023, (Wiley Scrivener Publishing Book, SCOPUS).