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[Google Scholar Citation](#), | [Orcid Id](#), | [Scopus](#), | [Web of Science](#), | [Research gate](#), | [linked in](#)

PROFILE

- Akhlaque Ahmad Khan's professional journey spans over 16 years of dedicated service in academia.
- He currently serves as an Assistant Professor in the Department of Electrical Engineering at Integral University, Lucknow, since January 2013.
- Prior to this, he held positions as Sr. Lecturer and Lecturer in the same department from 2008 to 2012.
- He pursued his Bachelor of Technology (B.Tech.) from Integral University, Lucknow, India, graduating in 2008.
- Building upon this, he completed his Master of Technology (M.Tech.) in Electrical Engineering with specialization in Instrumentation & Control, achieving an outstanding 90.36% and earning distinctions as the First University Topper and Course Topper (Gold Medalist).
- Subsequently, he pursued a Doctor of Philosophy (Ph.D.) in Electrical Engineering from Integral University, Lucknow, successfully submitting his thesis on "Planning, Optimization and Analysis of Hybrid Electrical Distribution Grid" with a notable core percentage of 84.00% and aggregate of 79.67%.
- His research has culminated in numerous publications in reputed international journals and conferences, totaling 35 journal articles, 19 communications, and contributions to book chapters.
- His academic excellence and research contributions have earned him recognition, including a published Indian patent and one funded project. He has been instrumental in securing grants such as the Seed Money Project on "Health Monitoring, Performance Optimization and Cost-Evaluation Framework for the 91kW Rooftop Grid-Connected Solar Photovoltaic System at Integral University, Lucknow."
- Best Researcher Award in Renewable Energy by Science Father U.K in 2024.

RESEARCH INTEREST:

- Techno-Economic, Feasibility and Analysis of Grid-connected/stand-alone Solar PV Plant.
- Design and Performance analysis of Grid-connected /stand-alone Solar PV Plant using software tools like HOMER Pro, PVSyst etc.
- Performance optimization of solar PV systems.
- Hybrid renewable energy systems
- Energy Audit, Energy Management,
- Advanced control methodologies using MATLAB/Simulink

SUMMARY OF RESEARCH ACCOMPLISHMENT:

▪ Total Impact Factors (SCIE)	: 26.76
▪ No. of Publications in SCI Indexed Journals	: 07
▪ No. of Publications in Scopus Indexed Journals	: 03
▪ No. of Publications in Non-SCI/Scopus but peer Reviewed	: 11
▪ No. of Publications in Scopus/WOS International Conferences	: 11
▪ No. of Publications in National Conferences	: 02
▪ No. of Patents (Published/Grant)	: 01
▪ No. of Projects/Grants	: 01
▪ Book Chapters (Scopus/WoS)	: 06
▪ Presentation in International Conferences	: 04
▪ The Referee (Reveiewer) of various SCIE/SCOPUS scientific journals	: 15
▪ Citations	: 233
▪ H-Index	: 08
▪ i-10 Index	: 08
▪ Invited talks as resource person	: 03

PROFESSIONAL MEMBERSHIP:

- Member of International Association of Engineers (IAENG) Society for Electrical Engineering, Hong Kong. (Membership No. 114007)
- Life Member of Solar Energy Society of India (SESI), India. (Reg. ID: 4510)
- Member of International Society for Research and Development of Engineers (ISRED) Society for Electrical Engineering. (Lifetime Membership No. M3140900385)
- Member of World Academy of Science (WASET), USA.
- Member of American Society for Engineering Education (ASEE), USA.

COURSE TAUGHT

- **PG Level:** Instrumentation and Control, Optimization Techniques, Network Theory etc.
- **UG Level:** Basic Electrical Engg., Linear Network and Systems, Electrical Circuit Theory, Network Analysis & Synthesis, Numerical Analysis and Application, Non-Conventional Energy Resources, Control Systems, Electrical Machine and Power Utilization etc.

ADMINISTRATIVE/DEPARTMENTAL RESPONSIBILITY

- Departmental Incharge: I-Curricular Aspects: Curriculum Design & Development, and VII-Institutional Values and Best Practices for University accreditation through National Assessment and Accreditation Council (NAAC) 2016-17 to 2020-21 cycle & National Accreditation Board (NBA)-2012, 12(B) and 2(f) 2013-14 Electrical Engineering Department.
- Coordinator of Proctorial Board of Integral University from 2015-to till date.
- Coordinator of B.Tech. 2nd Year (EE/ECS) from 2021-till date.
- Executive Member of Alumni Association of Integral University (AAIU) from 2016-to till date
- Coordinator of Departmental Time Table and Basic Skills of Integral University from 2012-to 2022.
- Member of Disciplinary Committee of Integral University from 2010-to till date.
- Member of Board of Studies (BoS) of Electrical Engineering Department, Integral University from 2009-to till date.
- Member of Departmental Alumni Committee of Integral University from 2012-to till date

- President of Robotics Society of Integral University (RSIU) from 2009-2013.
- Moderator of a Professional Development Program on Recent Trends in Green Technology for Sustainable Life in the Department of Electrical Engg, Integral University, Lucknow, India during 2nd - 16th November, 2021.
- Program Coordinator (PG) of session 2016-17, Department of Electrical Engineering, Integral University, Lucknow, UP. INDIA. (This position is next to Head of the Department)
- Organizer /Member International Seminar on Modern Trends in Engineering and Sciences (MTES-17) held on 3rd August, 2018 at Integral University, Lucknow, UP. INDIA.
- Organizer /Member of Editorial Team in IEEE International conference CCTES-18 held on September 14-15, 2018 at Integral University, Lucknow, UP. INDIA.
- Organized a Workshop on Advance AutoCAD Electrical by collaboration with Deptt. of Electrical Engg. and CADD Centre Lucknow at Integral University, Lucknow on 06 August '2016.
- Organized an Industrial Tour to Chandigarh, Baddi, Kullu and Manali of Department of Electrical Engineering and Electrical & Electronics Engineering for reducing the gap and make the bridge between Industry and Academia on 24 Feb to 01 March, 2016.
- Organized a Short-Term Course on Advance Power Electronic Converters for Renewable Energy & Smart Grid conducted by Deptt. of Electrical Engg. under the aegis of Academic Staff College, Integral University, Lucknow on 15-19 Feb'2016.
- Organized Seminar on "Power Electronic Converters for Grid Interface of Solar Power Generation" organized Deptt. of Electrical Engineering under the aegis of Academic Staff College, Integral University, Lucknow on 12 Feb'2016.
- Organized Workshop on "Biped Rex" conducted by Skill Rex Technology, Mumbai which was an integral part of E²C- Engineering Excellence Championship at Integral University, Lucknow on October 13-14, 2015.
- Organized a workshop on "ARM (Advanced RISC Machine)" by Deptt. of Electrical and Electronics Engg. held at Integral University, Lucknow on 12 March' 2015.
- Organized Workshop on "Gesture Recognition using IR Sensor" conducted by Robo Species Pvt. Ltd in association with IOA Houston USA held at Integral University, Lucknow on September 17-18, 2014.
- Organized Workshop on "Legged Mobile-Botix" conducted by Technophilia Systems in association with Robotics & Computer Applications Institute of USA held at Integral University, Lucknow on March 11-12, 2014. This Workshop is an Integral Part of the Indo- US Robo League 2014.
- Organized Workshop on "Industrial Automation" in Collaboration with Logicon Automation, Lucknow and Deptt. of EN Integral University held at Integral University Lucknow on Jan 30, 2014
- Organizing Member of National Conference on "Emerging Trends in Mechanical and Electrical Engineering" (NCETMEE)-2012, at Integral University Lucknow on June 12-13, 2012.
- Organized Workshop on "Low voltage switchgears" conducted by Larson and Toubro (L&T), Training Centre, Sarojini Nagar, Lucknow
- Resource person in one week Faculty Development Program on "MATLAB & Its Application in Engineering" at Azad Institute of Engineering & Technology, Lucknow from 14.01.2016 to 18.01.2016.
- Organized a short-term course on "Advance Power Electronic Converter for Renewable Energy & Smart Grid" during 15th -19th Feb, 2016 at Integral University Lucknow.

- Member of Departmental Student Placement Committee of Electrical Engineering Department from 2011 to 2016.
- Seminar Incharge, Project Incharge, Course Coordinator, Convener, Class Coordinator, Mentor, Supervisor and Counselor, etc.
- Paper Setter and Examiner at different level (UG, PG) of Examinations/Entrance Test (Internal/External).
- Installed 'Electrical Simulation Lab' in Electrical Engineering Department, Integral University, Lucknow and Jahangirabad Institute of Technology, Jahangirabad, Barabanki, India in 2015.

STUDENTS SUPERVISION

- **PG Level:** 10+
- **UG Level:** 20+

PUBLISHED/GRANT PATENTS

- Advanced optimization model for coupling power plant to PV-Wind-Electric vehicles, DOP: 06.10.2023 (Indian Patent).

PROJECTS/GRANTS

- A.F. Minai (PI) and **A.A. Khan** (Co-PI), Health Monitoring, Performance, Optimization and Cost Evaluations Framework for 91kW Rooftop Grid-Connected SPV System. Integral University, Lucknow. Sanctioned Amount: 1.5 Lacs, Project Sanction No.: IUL/ICEIR/SMP/2024/006.

PUBLISHED/ACCEPTED SCI/SCOPUS RESEARCH PAPERS

- **Akhlaque Ahmad Khan** *et al* 2024. Feasibility and Techno-Economic Assessment of 128kWpGrid-Tied Photovoltaic System using HOMER Pro *J. Phys.: Conf. Ser.* **2777** 012008. IOP Publishing Ltd. <https://doi.org/10.1088/1742-6596/2777/1/012008>. (**SCOPUS**)
- Minai A.F., **Khan A.A.**, Kitmo B., Ndiaye M.F., Alam T., Khargotra R., Singh T. (2024). Evolution and role of virtual power plants: Market strategy with integration of renewable based microgrids. *Energy Strategy Reviews*. Volume 53, 2024.101390. ISSN 2211-467X. <https://doi.org/10.1016/j.esr.2024.101390>. (**Elsevier, WOS, Q1, IF 8.2**)
- Khanum F., Khan A. R., Khan A., Aafreen A., **Khan A.A.**, Ahmad A., Akhtar S.M.F., Farooq O., Shaphe M.A., Alshehri M.M., Shahi F. I., Alqahtani A.S., Albakri A., Obaidat S.M. (2024). Predicting mechanical neck pain intensity in computer professionals using machine learning: identification and correlation of key features. *Frontiers in Public Health* (2024).12:2024. <https://doi.org/10.3389/fpubh.2024.1307592> (**WOS, Q1, IF 5.2**)
- P. R. Sarkar, A. F. Minai, I. Ahamad, F. I. Bakhsh, **A. A. Khan**, R. K. Pachauri. (2024). Power Quality Assessment and Enhancement using FLC based SPV Supported Cascaded H-Bridge Multilevel Inverter, e-Prime - Advances in Electrical Engineering, Electronics and Energy. Volume 7, March 2024, 100465. <https://doi.org/10.1016/j.prime.2024.100465> (**Elsevier, SCOPUS**)
- **Khan, Akhlaque Ahmad** and Minai, Ahmad Faiz. "A strategic review: the role of commercially available tools for planning, modelling, optimization, and performance measurement of photovoltaic systems" *Energy Harvesting and Systems*, vol. 11, no. 1, 2024, pp. 20220157. <https://doi.org/10.1515/ehs-2022-0157> (**De Gruyter, SCOPUS**)

- Kitmo, Choudhury S., **Khan A. A.**, Das S., and Mohamed F. Elnaggar M.F." Intelligent Approach for Control Techniques Based on Complex Converter Structures". International Journal of Energy Research. Volume 2023 | Article ID 6770322 | <https://doi.org/10.1155/2023/6770322>. **(WOS, Q1, IF 5.2)**
- Kitmo, Das, S. & **Khan, A.A.** Improvement of power quality in grid connected renewable energy systems using passive filters. Multiscale and Multidiscip. Model. Exp. and Des. (2023). <https://doi.org/10.1007/s41939-023-00268-4>. **(WOS, Q3, IF 2.0)**
- Minai, A.F.; **Khan, A.A.**; Pachauri, R.K.; Malik, H.; Márquez, F.P.G.; Jiménez, A.A. Performance Evaluation of Solar PV-Based Z-Source Cascaded Multilevel Inverter with Optimized Switching Scheme. Electronics 2022, 11, 3706. <https://doi.org/10.3390/electronics11223706> **(WOS, Q2, IF-2.9)**.
- **Khan, A.A.**; Minai, A.F.; Pachauri, R.K.; Malik, H. Optimal Sizing, Control, and Management Strategies for Hybrid Renewable Energy Systems: A Comprehensive Review. Energies 2022, 15, 6249 <https://doi.org/10.3390/en15176249> **(WOS, Q2, IF-3.2)**
- A. F. Minai, M.A. Husain, M. Naseem, **A.A. Khan**, (2021) Electricity Demand Modeling Techniques for Hybrid Solar PV System, International Journal of Emerging Electric Power System (IJEEPS), ISSN: 1553-779X, July 7, 2021 **(WOS, Q3, IF-0.26)**

PAPER PUBLISHED IN INTERNATIONAL CONFERENCES

- Minai, A.F., Siddiqui, M.A., Laskar, S.H., **Khan, A.A.**, Pachauri, R.K. (2024). Performance Evaluation and Assessment of 100 kW Grid-Tied SPV System in Subtropical Climatic Conditions. In: Gabbouj, M., Pandey, S.S., Garg, H.K., Hazra, R. (eds) Emerging Electronics and Automation. E2A 2022. Lecture Notes in Electrical Engineering, vol 1088. Springer, Singapore. **(SPRINGER, SCOPUS)**.
- Anand, R., Pachauri, R.K., Minai, A.F., Khan, A.A., Singh, R., Shashikant (2024). Energy Production from Various Bio-wastes Under Different Electrode and Temperature Conditions: Experimental Study. In: Malik, H., Mishra, S., Sood, Y.R., Iqbal, A., Ustun, T.S. (eds) Renewable Power for Sustainable Growth. ICRP 2023. Lecture Notes in Electrical Engineering, vol 1086. Springer, Singapore. https://doi.org/10.1007/978-981-99-6749-0_15. **(Springer, SCOPUS)**
- A. F. Minai, **A. A. Khan**, M. A. Siddiqui, F. I. Bakhsh, M. A. Hussain and R. K. Pachauri (2023), "Genetic Algorithm Based SPV System with Cascaded H-Bridge Multilevel Inverter," 2023 International Conference on Power, Instrumentation, Energy and Control (PIECON), Aligarh, India, 2023, pp. 1-6, doi: 10.1109/PIECON56912.2023.10085864. **(IEEE, SCOPUS)**
- M. A. Siddiqui, M. Nishat Anwar, A. F. Minai, **A. Ahmad Khan**, M. Naseem and A. Jabbar, "A Direct Synthesis based Sliding Mode Control of a Nonlinear Continuous Stirred Tank Reactor," IECON 2022 – 48th Annual Conference of the IEEE Industrial Electronics Society, Brussels, Belgium, 2022, pp. 1-6, <https://doi.org/10.1109/IECON49645.2022.9969082>. **(IEEE, SCOPUS)**
- A. F. Minai, **A. A. Khan**, M. A. Siddiqui, R. K. Pachauri, A. Raj, "Design and cost study of a 25 kW SPV system based on real performance in an Indian environment", (2023) Fifth International Conference on Intelligent Communication, Control and Devices (ICICCD-2022), UPES, Dehradun, 11-12 November, 2022 **(River, SCOPUS)**
- **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](https://doi.org/10.1109/CAPS52117.2021.9730746). **(IEEE, SCOPUS)**
- M. Naseem, Mohammad Aslam Husain, J Dinesh Kumar, Md, Naseem Ahmad, A. F. Minai, **Akhlaque Ahmad Khan**, " Particle Swarm Optimization based Maximum Power Tracking Techniques for Solar

PV System under Partially Shaded Conditions,"**2021** International Conference on Control, Automation, Power and Signal Processing (CAPS), 2021, pp. 1-6, [doi: 10.1109/CAPS52117.2021.9730746](https://doi.org/10.1109/CAPS52117.2021.9730746). **(IEEE, SCOPUS)**

- M. Kumar, A. F. Minai, **A. A. Khan** and S. Kumar, "IoT based Energy Management System for Smart Grid,"**2020** International Conference on Advances in Computing, Communication & Materials (ICACCM), 2020, pp. 121-125, [doi: 10.1109/ICACCM50413.2020.9213061](https://doi.org/10.1109/ICACCM50413.2020.9213061). **(IEEE, SCOPUS)**
- **Akhlaque Ahmad Khan** "Image Analysis through Wavelets" in International Conference on Emerging Trends in Engineering and Technology (April 12-13, 2013) at Teerthanker Mahaveer University, Moradabad, U.P. (India).
- Satish Kumar, **Akhlaque Ahmad Khan**, Ahmad Faiz Minai, Munish Kumar, Anil Kumar Singh, "Load Scheduling and Utilization of Solar Energy using Arduino", Organized by Department of Mechanical Engineering F.E.T. M.J.P. Rohilkhand University, Bareilly, (U.P.), INDIA Sponsored by TEQIP-13, Proceeding of 4th International Conference on Academic Research in Engineering, Management and Information Technology (ICAREMIT-2019), pp. 104-109, ISBN: 978-81-933433-5-7.
- Akshay Raj Ahmad Faiz Minai, **Akhlaque Ahmad Khan**, Mohammad Atif Siddiqui, Rupendra Kumar Pachauri, "Design and cost study of a 25kW SPV system based on real performance in an Indian environment" in Fifth International Conference on Intelligent Communication, Control and Devices (ICICCD-2022), pp 1-6, 2023/2. (River Publisher SCOPUS). <https://doi.org/10.13052/rp-9788770228299>.

PUBLISHED NON-SCI-SCOPUS BUT PEER REVIEWED RESEARCH PAPERS

- Pradeep Kumar, **Akhlaque Ahmad Khan** and Prabhat Ranjan Sarkar, "Single Switch AC-DC Cuk Converter for Power Factor and Efficiency Enhancement" International Journal of Innovative Science and Research Technology, Volume 3, Issue 4, 2018 (ISSN No: -2456-2165). **(Google Scholar, Research Gate)**
- 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. **(Google Scholar, Research Gate)**
- 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. **(Google Scholar, Research Gate)**
- Abhishek Gautam, Asif Jamil Ansari, **Akhlaque Ahmad Khan** "PSO Optimized Improved Fuzzy Logic based MPPT Algorithm for Fast and Stable Control Quality Incorporated Photo Voltaic System Array" in International Journal of Research and Development in Applied Science and Engineering (IJRDASE), Vol. 10, Issue 1 (May 2016) (ISSN 2454-6844) , Available online at: www.ijrdase.com. **(Google Scholar, Research Gate)**
- Abhishek Gautam, Asif Jamil Ansari, **Akhlaque Ahmad Khan** "Review of Fuzzy Logic Applications in Performance Enhancement of Solar Based Power System " in International Journal of Research and Development in Applied Science and Engineering (IJRDASE), Vol. 8, Issue 2 (December 2015) (ISSN 2454-6844) , Available online at: www.ijrdase.com. **(Google Scholar, Research Gate)**
- Abdussalam, Mohd. Naseem, **Akhlaque Ahmad Khan**. "Discrimination between Inrush and Fault Current in Power Transformer by using Fuzzy Logic" in International Journal of application or

Innovation in Engineering & Management, Vol. x, Issue x(August2015) Page No. xxx-xxx (ISSN 2319–4847), Available online at: www.ijaiem.co. (**Google Scholar, Research Gate**)

- Abdussalam, Mohd. Naseem, **Akhlaque Ahmad Khan** “Effect of Switching Angle on Magnitude of Inrush Current and its Second Harmonic of Power Transformer” in International Research of Enhanced Researching Science Technology & Engineering, Vol.4, Issue 7 (July 2015) Page No. 316-323(ISSN 2319 –7463) , Available online at: www.erpublications.com. (**Google Scholar, Research Gate**)
- Abdussalam, Mohd. Naseem, **Akhlaque Ahmad Khan** “Fault Analysis in Power transformer using Integrated Fuzzy Controller with DGA Technique” in International Research of Enhanced Researching Science Technology & Engineering, Vol.4, Issue 6 (June 2015) Page No. 599-606 (ISSN 2319 –7463), Available online at: www.erpublications.com. (**Google Scholar, Research Gate**)
- **A. A. Khan**, A. F. Minai, Q. 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 (EISSN 2277 – 4106, P-ISSN 2347 – 5161) INSPRESSCO (International Press Corporation) Association of American Publisher U.S.A. (**Google Scholar, Research Gate**)
- Mohammad Naseem, **Akhlaque Ahmad Khan**, Ahmad Faiz Minai and Salman Hameed, “Optimal Location of TCSC for Reduction in System Losses” International Journal of Advances in Engineering & Scientific Research, Volume 1, Issue 7, pp 35-42, Nov-2014. (**Google Scholar, Research Gate**)
- **Akhlaque Ahmad Khan**, Ahmad Faiz Minai “Different Voltage Selection Criteria and Insulation Design of a Transmission Line for HV, EHV and UHV System” in International Journal of Advanced Technology and Engineering Research (IJATER) Vol 2, issue 3, May 2012 (ISSN No: 2250-3536 Reg. No.: 63061/BPL/CE/2012). (**Google Scholar, Research Gate**)
- **Akhlaque Ahmad Khan**, Ahmad Faiz Minai, Syed Ali Akhtar Siddiqui, Ratnesh Kumar “Design Four Quadrant Chopper for Speed Control of DC Motor” in Proc. NCETMEE 2012, CD-ROM (12-13 June 2012) at Integral University, Lucknow.
- Ahmad Faiz Minai, **Akhlaque Ahmad Khan**, Shoaib Ahmad “Analysis of a Grid-Connected PV System” in Pro. AEEE 2011, CD-ROM (24 to 25 February 2011) at SVCE, Indore

BOOK CHAPTERS

- **A. A. Khan**, A. F. Minai, Q. Alam, F. I. Bakhsh (2024) Multilevel Inverters: Classification Approaches and its Application in Photovoltaic System, In: Multilevel Converters. (eds S. Ahmad, F. I. Bakhsh, P. S. Kumar). Print ISBN:9781394166329 |Online ISBN:9781394167371. <https://doi.org/10.1002/9781394167371.ch2> (**John Wiley & Sons, Inc., SCOPUS**).
- **A. A. Khan**, A. F. Minai, M. A. Husain, M. Naseem (2024) Multilevel Inverter for Renewable Energy Sources Based Grid Integration, In: Multilevel Converters (eds S. Ahmad, F. I. Bakhsh, P. S. Kumar). Print ISBN:9781394166329 |Online ISBN:9781394167371. <https://doi.org/10.1002/9781394167371.ch9> (**John Wiley & Sons, Inc., SCOPUS**).
- **A. A. Khan**, A. F. Minai (2024) Metaheuristic Techniques for Power Extraction from PV based Hybrid Renewable Energy Sources In: Photovoltaic Systems Technology: Advances and Applications. In Photovoltaic Systems Technology (eds M. A. Husain, M. W. Ahmad, F. I. Bakhsh, P. S. Kumar, H. Malik). Print ISBN:9781394166428 |Online ISBN:9781394167678. <https://doi.org/10.1002/9781394167678.ch6>. (**John Wiley & Sons, Inc., SCOPUS**).

- Pachauri R.K., Sharma V., Kumar A., Shashikant, **Khan A.A.**, Sharma P. (2024). Conventional and AI-Based MPPT Techniques for Solar Photovoltaic System-Based Power Generation. In Clean and Renewable Energy Production (eds S. Mondal, A. Kumar, R.K. Pachauri, A.K. Mondal, V.K. Singh and A.K. Sharma). Print ISBN: 9781394174423 |Online ISBN: 9781394174805. <https://doi.org/10.1002/9781394174805.ch15>. (**John Wiley & Sons, Inc., SCOPUS**).
- M. Kumar, **A. A. Khan**, A.F. Minai (2022) Solar Energy Utilization and Enhancement using Load Scheduler In: Electrical Engineering Scrivener: Integral University Lucknow-2022.
- **A. A. Khan**, A. F. Minai (2023), Introduction to Grid-Forming Inverters (GFMI)s, InB. (Eds.). (2023). Grid-Forming Power Inverters: Control and Applications (1st ed.). CRC Press. Page 1-14, ISBN: 9781003302520. <https://doi.org/10.1201/9781003302520-1> . (**Taylor & Francis, Scopus**)

