

Brief Resume

1. Name: Dr. Monu Malik

2 Current Designation: Assistant Professor

3 Department: EEE

4.Date of Joining: 04-01-2014

5.Nature of Association: Regular(B.Tech,affiliated to IPU,New Delhi)

4 Qualifications (indicating Degrees, Subject / Specialization, Year,

S.No	Degree	Name of School / College attended	Year of passing	Percentage	Division
1	B.Tech	JMIT, Radaur Haryana	2006	75.8%	Ist
2	M.Tech	YMCA, Faridabad	2008	71.9%	Ist
3	Ph.D	NIT Kurukshetra	2021

5. List of Publications (Attach photocopies of first pages)

S.No	Title of paper	Name of Journal	Index(SCI /S CIE/ESCI /U GC/Peer Reviewed)
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1	Monu Malik , Ratna Dahiya "Optimization of DC-DC boost converter assimilated with PV array with ANN".	Journal of Advanced Research in Dynamical and Control Systems, JARDCS.2019 Sept 18 Vol-11, issue 6 pp 8-17	SCOPUS
2	Monu Malik , "High-Performance Battery Charging With Zero Voltage Switching Resonant Converter". ISSN:2455-2631, Vol.7, Issue 10, page no.626 - 635, October-2022, Available : http://www.ijedr.org/papers/IJEDR 2210102.pdf	International Journal of Science & Engineering Development Research.	Google Scholar

3	Monu Malik , "Designing of Photovoltaic MPP System with MATLAB Simulation"	Satyam journal Edition Dec 2022.(Online 2023)	
4	Monu Malik , Rakhi Kamra, "High Efficiency Battery charging with Switching Resonant Circuit",	Satyam Journal Dec 2022.(Online 2023)	
5	Monu Malik , Rakhi Kamra, Annu Dagar, "High Performance Standalone Solar PV Power System For LED Lights",	Satyam Journal 2022.(Online 2023)	
6	Monu Malik , Rakhi Kamra, Annu Dagar, Shilpa Malik, "High Performance Standby Photovoltaics for LED" Vol 5 pp 1-6, 2022	Advancement of signal processing and its applications	Google Scholar

7	RakhiKamra, Monu Malik , JagritiKrishnan,"Wireless Charging in Electric Vehicles", Vol 6(1) pp1-10 2023	Satyam Journal 2021.(Online 2022)	
8	Rakhi Kamra, MonuMalik , Jagriti Krishnan, RakhiPal,"Effect of Covid Pandemic on Hospitality Industry, Vol 5 pp 1-7 2022.	Journal of Advancement in communication system	Google Scholar
9.	Monu Malik," Aggregated Perception and Trailing of People,"Vol 7,2024	Journal of Research and Advancement in Electrical Engineering	Peer Reviewed, Google Scholar
10.	Monu Malik," Observation of Underground Cable flaws using GSM Innovations," in Vol 72024	Journal of Research and Advancement in Electrical Engineering	Peer Reviewed, Google Scholar
11.	Monu Malik,"Green Cloud Computing," VolE-ISSN 2348-1269, P- ISSN 2349-5138,	IJRAR Volume 7 Issue 1	Google Scholar

6. List of Book Chapters

1. **Monu Malik**, Ratna Dahiya," Optimization of DC-DC Converters for Off-Grid Lighting in Trains using Artificial Neural Networks", in Advances in Intelligent Systems and Computing. 2018 Jan, pp 333-334.in Springer.
- 2.

7. List of books Published

1. **Monu Malik** Uttam Kumar ,"Fundamentals of Green Technologies", by Scientific International Publishing House in 2023.
<https://sipinternationalpublishers.com/product-detail.php?PID=MTc0MA==>
2. **Monu Malik**," Analog Integrated Circuit Design by Simulation,"Cosmos Scientific

Publications in 2024.

8. List of International Conferences attended

1. **Monu Malik**, RatnaDahiya,” Photovoltaics Energy Storage for Standalone System in locomotives”, IEEE,International Conference on Automation Computation & Technology Management,(ICACTM), 2019 23rd-26th April , London. (SCOPUS INDEXED)<http://ieeexplore.ieee.org/document/8776699>.
2. **Monu Malik**, RatnaDahiya,” Designing a novel ANN optimized Converter for Photovoltaic Solar system,”IEEE,International Conference on Automation Computation & Technology Management,(ICACTM), 2019 23rd-26th April ,London. (SCOPUS INDEXED) <http://ieeexplore.ieee.org/document/8776798>.
3. **Monu Malik**, Tanya Dua,Snigdha,” Biomedical Signal processing: ECG Signal Analysis using Machine Learning in MATLAB,” National conference on Advances in Metrology,Admet 2021 on 5th-6th March at MSIT, New Delhi.
4. **Monu Malik**, RakhiKamra,” A Novel PV based ANN Optimized Converter for off grids Locomotives” International Conference on Technological Advancements and Innovations on 10-12th November2021 at Amity University,Tashkent Campus.
5. **Monu Malik** ,Rakhi Karma,”Impact of Covid 19 on Hospitality“, International Conference on Resurgence of Economics Globally Post pandemic Issues and Challenges on 29-30 October 2021 at Maharaja Suraj Mal Institute ,Janakpuri, New Delhi.
6. **Monu Malik**,” ANN Optimised Photovoltaic converter for off grids Vehicles at International conference on Energy Conversion and Thermo-fluid Systems”(i CONECTS 2021) that is being organized by the department of Mechanical Engineering, National Institute of Technology Jaipur, Rajasthan (India) during July 17-18, 2021.
7. **Monu Malik**,Sachit Rathee,”Grid Integration Difficulties and solutions for the PV Solar System with AI Technique in ahomogeneous Environment”in 3rd International

Conference on Power Energy, Environment and Intelligent Control (PEEIC-2023)
from 19-23 December 2023.