# Curriculum Vitae




Dr. Pawan Sharma,

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Website https://uit.no/campusoversikt/narvik

## 1. Personal Information:

*Gender-* Male

*Nationality-* Indian

*Citizenship-* Indian

*Residence Status, Norway-* Permanent Residence, Norway

## 2. Education (Chronological Order):

| S.No. | Degree | | | University | Year | Percentage/ CGPA |
|---|---|---|---|---|---|---|
| | | Dissertation | Guide | | | |
| 1 | PhD Power System | Automatic Reactive Power Control of Isolated Hybrid Power Systems including STATCOM and PMGs | Professor T.S. Bhatti | IIT Delhi, India | July 2008-Jan 2012 | 9.0/10 |
| 2 | M. Tech Energy Engineering | Application of Ultra-capacitors in an Electric Toy Vehicle | Professor Saroj Rangnekar MANIT Bhopal, & Mr. Amit Raje , M.D. Aartech Solonics Limited, | MANIT Bhopal, India | Jul. 2006-2008 | 8.15/10 |
| 3 | Bachelor's (AMIE), Electrical Engineering | - | - | Institute of Engineers. India, Kolkata, India | Dec. 2001-June 2005 | 59.6% |
| 4 | Three Years Diploma in Electrical Engineering | - | - | Government Polytechnic College, Alwar, India | July 1996-1999 | 70.14% |
| 5 | 12th Class Physics, Chemistry and Maths | - | - | Government Naveen Senior Secondary School, Alwar, India | July 1995-June 1996 | 62.6% |
| 6 | 10th class All subjects | - | - | Government Naveen Senior Secondary School, Alwar, India | July 1993-June 1994 | 69.27% |

## 3. Professional Experience: 14 years after PhD Degree

| S.No. | Position Held | Organization Name | From | To |
|---|---|---|---|---|
| 1 | Associate Professor | UiT The Arctic University of Norway, Narvik, Norway | June 2013 | Present |
| 2 | Guest Researcher (Post-Doc.) | UiT The Arctic University of Norway, Narvik, Norway | May 2012 | May 2013 |
| 3 | Associate Professor | Institute of Engineering and Technology, Alwar, India | Feb 2012 | May 2012 |
| 4 | Assistant Professor | DIT School of Engineering Greater Noida, UP, India | Jul 2011 | Nov 2011 |

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|---|---|---|---|---|
| 5 | Research Assistant, PhD | Indian Institute of Technology, Delhi | July 2008 | Jan 2012 |
| 6 | Junior Engineer | Jaipur Power Distribution Company Alwar, Rajasthan, India | July 2004 | July 2006 |
| 7 | Lab Instructor (Electrical Machines) | Institute of Engineering and Technology, Alwar, India | July 2001 | July 2002 |

## 4. Pedagogical Experience:

### 4.1 Teaching Experience-

| | **PhD Level** | **Credits** | **From Year – Til Year** | **Language** |
|---|---|---|---|---|
| Courses Taught at UiT Narvik | Distributed Energy Resources and its Integrations to Grid | 10 | 2020-till date | English |
| | **Master Level** | | | |
| | ELE- 3604 Distributed Generation and Microgrids: Role and Concepts | 5 | 2019- till date | English |
| | ELE-3600 Power System Fundamentals | 5 | Autumn 2023 | English |
| Courses Taught at DIT, India | | | | |
| | **Bachelor Level** | **Credits** | **From Year – Til Year** | **Language** |
| | Elements of Power System | | | English |
| | Switchgear and Protection | | | English |
| | | | | |
| Courses Taught at Institute of Engineering and Technology, Alwar, India, | **Bachelor Level** | **Credits** | **From Year – Til Year** | **Language** |
| | Electrical Machines II, theory | | | English |
| | Electrical Machines II, lab | | | English |
| | | | | English |

### 4.2 External (Outside Institute) Evaluation/Examination Experience-

#### *A. PhD Theses*

- Investigation on Grid Connected Transformer less PV Inverter, IIT Roorkee, India 2022
- Deep learning based intelligent fault diagnosis of electric drive system, IIT Roorkee, India 2022.
- Study and Analysis the Impacts of Uncertain Renewable Power Penetration in Competitive Power Market, NIT Silchar, India.
- Design of a fast-performing control technique with optimized performance for an isolated wind energy conversion system, KL University, India, 2023

#### *B. Master's Theses*

05 Numbers

### *C. Teaching Course Evaluation*

| S.No. | Master's Courses | University | Credits |
|---|---|---|---|
| 1 | Advanced Electric Power Systems | University of South-East Norway | 05 |
| | | | |

### 4.3 Research Supervisions-

### *a. PhD-Main Supervisor*

| S.No. | Name of the Candidate | University | Thesis Title | Start Year | Status |
|---|---|---|---|---|---|
| 1 | Raju Wagle | UiT The Arctic University of Norway | Voltage Control in Smart Distribution Network with High Integration of DERs | 2019 | **Completed defended in December 2023** |
| 2 | Issacc Aidoo | UiT The Arctic University of Norway | Advance monitoring and control techniques to enhance power network interoperability | 2024 | 2027 Expected |
| 3. | Segid Tedla<br><br>Industry PhD | UiT The Arctic University of Norway<br><br>Aibel | Energy management system (EMS) for offshore platforms and onshore grids | 2025 | 2029 Expected |
| | | | | | |

### *b. PhD-Co-Supervisor*

| S.No. | Name of the Candidate | University | Thesis Title | Start Year | Status |
|---|---|---|---|---|---|
| 1 | Shwetank Agarwal | IIT Roorkee, Roorkee, India | Integration of Renewable Energy Sources with Microgrid | 2019 | **Completed and defended in May 2026** |
| | | | | | |

***c. Masters-*** (*details is on UiT Webpage,* Munin: Mastergradsoppgaver i Elektroteknologi (uit.no))

**Recent Theses:**

1. Daudul Islam Bhuiyan Redoy, Coordinated Controller to Mitigate Voltage Violations in Smart Distribution Networks, UiT, Ongoing.
2. Dan Bahadur, Virtual Inertia to the AC Microgrid to Improving the ROCOF and Frequency Nadir in a Hybrid AC/DC Microgrid , UiT, 2024
3. S. Sepher, Impact on Distribution Network Hosting Capacity using Machine Learning Based Reactive Power Support from PV Smart Inverters , UiT, 2024
4. Aziz, Mujtaba, Time Series Forecasting of Reactive Power Support from Smart Converters in SDN Using Machine Learning, UiT, 2023

5. Syed Aizaz, Voltage Control in Smart Distribution Network with Limited Reactive Power Capacity of Smart Inverter Using Machine Learning, UiT, 2023.
6. Jon-Kristian Leirvang, Real-time application of grid-forming converters in smart distribution network, UiT, 2023.
7. Dennis Alfnes, Seasonal storage of energy at Narvik, UiT, 2023
8. Abdul Basi, Temporary Load Shedding, Optimization of power distribution system using load shedding Techniques, UiT, 2022.
9. Arslan Gul Abbasi, Coordinated Volt-Var control in multiple smart inverters in Smart Distribution Networks for Voltage Regulation, UiT, 2022.
10. Mazhar Ali Khan, Modeling and Analyzing of Inverters for Controlling Voltage and Frequency in an Islanded Microgrid, UiT, 2021.
11. Shamraiz Shamraiz, Optimal Volt Var control in Smart Distribution Networks, UiT, 2021.
12. Ashish Aryal Atreya, Cooperative Isolated Renewable Energy Systems (IRES) for Resilient Off and On grid Operations, UiT, 2019
13. Wondwosen, Intelligent Load Frequency Control in an Isolated Wind-Solar PV-Diesel Based Micro-Grid using V2G Integration, UiT, 2018.
14. Arslan, Intelligent Controller Technique for Reactive Power Control in an Isolated Micro-Grid", Master's Thesis UiT Narvik, 2017
15. I. Mironov, Effect of Placement of PMUs on State Estimation in a Power System, UiT, 2016.
16. Bhushan Madan Nikumbh, Optimal Placement of PMUs considering Logical Topology of Communication Medium and Power System Observability, UiT, 2016
17. Bharat Pariyar, Load Frequency Control of an Isolated Wind-diesel-Solar PV Hybrid Power System, UiT, 2015.
18. Y. Avci, Fast LVRT in a Hybrid Power System using Ultracapacitor Based ESS, UiT, 2015.
19. R. Wagle, hybrid BFOA-PSO based approach for controller design in an isolated wind-diesel hybrid system, UiT, 2015.
20. N. Shakya, Sub-synchronous Resonance Mitigations in a Hybrid Steam Turbine Driven Generator and a Fixed Speed Wind Farm, UiT, 2014
21. Irene Jæger, Impact of ESSs on the Distribution Network and an Update of the ESSs Technologies, UiT, 2014.
22. Mahyar Shiraliyan, Automatic Reactive Power Control of Isolated Solar PV-Wind-Diesel Hybrid Power System, UiT, 2014.
23. Isaac Aidoo, OPTIMAL CONTROLLERS DESIGN FOR REACTIVE POWER CONTROL IN AN ISOLATED WIND-DIESEL SYSTEM, UiT, 2014.
24. H. Singh, IP based Satellite Communications for Smart Grid Applications, UiT, 2014.

## 5. Administration Experience:

| S.No. | Position Hold | Organization | Responsibility | Years |
|---|---|---|---|---|
| 1 | Research Group Leader, Electromechanical Systems | UiT The Arctic University of Norway | To enhance the research activities at the group | 2018-2019 |
| 2. | Organizing committee | UiT The Arctic University of Norway, **Midnight Sun Summit in Mathematics and Engineering,** | Chaired the session for Electrical Engineering | **June 15-19, 2026** |
| 3 | President of Energy Forum | Department of Energy Science and | To arrange industrial visits to various Governmental and Private Enterprises to | 2009-2010 |

| | | | | |
|---|---|---|---|---|
| | | Engineering, IIT Delhi | provide industrial exposure to students, researchers and faculties associated with this Centre. | |
| 4 | NORPIE Conference, Narvik | Electrical Engineering , UiT | Arranging the different sections and a Chair | 2019 |

**6. A. Areas of the Research Interests:**

- Power System Dynamics and Control
- Distributed Power Generation and its integration to grid,
- High Penetration of the Inverter Based Resources Effects on Transmission as well as on Distribution Networks
- Optimization Methods,
- Micro-Grids,
- Electric Vehicles
- Future Grids Needs and Services

**B. Software and Hardware Skills:**

**Programming and Simulation Software-** MATLAB/SIMULINK, Real time Simulator

**Hardware-** Electrical Machines like Synchronous Machines, Induction Machines, Transformers, Supercapacitors, Battery, Loads,

**7. Research Projects:**

***A. Ongoing Projects-***

| S.No. | Project Title | My Role | Budget and Funding Body | Year | External Partner |
|---|---|---|---|---|---|
| **1.** | **DigiTwinLab (Digital Twin Power System Laboratory)**<br><br>**National research infrastructure** | **PI** | **RCN**<br><br>**37.65 MNOK,**<br><br>**UiT- 0.75MNOK** | **……** | **NTNU, SINTEF Energy, UiS** |
| 2. | Wave Energy Research Center in Northern Norway (**WENor**) | Co-PI | 1.37 Million NOK (MNOK)<br>Arktis 2030 | 2024-2025 | Energi i Nord |
| 3. | Multi-disciplinary Study of Atmospheric Ice Accretion Physics & Developing Optimal Technological Solutions to Minimize Ice Accretion Effects, **nICE** | Co-PI | 25.7 MNOK<br><br>RCN, Norway | 2022-2026 | - |

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|---|---|---|---|---|---|
| 4. | Energy management system (EMS) for offshore platforms and onshore grids | PI | Industrial PhD 2025 RCN | 2025-2029 | Aibel Norway (Owner) |

***B. Completed Projects-***

| S.No. | Project Title | My Role | Budget and Funding Body | Year | External Partner |
|---|---|---|---|---|---|
| 1. | Challenges and Future Perspectives of Smart Solar Photovoltaic (PV) Control Technology Solutions at the Arctic region-Norway | PI | 0.37 MNOK ARC, UiT | 2020-21 | - |
| 2. | Ice Free Power Transmission | PI | 0.55 MNOK RCN, Norway | 2020-21 | Arctic Experts, Norway |
| 3. | Design and Development of Hybrid Renewable Energy Micro Grid with Value Chain Applications for Agricultural and Dairy Farm | PI | 29.3 Million INR Mission Innovation | 2018-21 | IIT Roorkee, India Dayal Bagh, India |
| 4. | Cooperative Isolated Renewable Energy Systems for Enhancing Reliability of Power in Rural Areas | PI | 29.8 Million INR Mission Innovation | 2018-21 | IIT Delhi, MNIT, Jaipur, IIT Hyderabad, India UCLA, USA UNSW, Australia |
| 5. | Consumers Determine the Expansion of the Smart Grid Market Through Informed Decisions and Collective Actions: CODEX | PI | 70000 NOK PES H2020 Funding | 2019 | - |
| 6. | Advanced Distribution Level Intelligence by Controllability Enhancement-ADVICE | PI | 0.2 MNOK PES H2020 Funding | 2019 | NORCE, IERC, Alborg, UPC, DSO Turkey, Schneider Electric , Seven Solutions, and UFI |
| 7. | Deployment of Renewable Energy | PI | 0.25 MNOK UArctic Allocation, | 2017-2018 | Alborg, Denmark UiA, Agder University of the Faroe Island |

| | | | | | |
|---|---|---|---|---|---|
| | Resources in Arctic Region | | | | |
| 8. | SMART ARCTIC BUILDING | Co-PI | 2MNOK<br>Enova | 2018-19 | OMTBBL<br>Enerconsult AS Smart Arctic TC Nordkraft Longyearbyen lokalstyre Polarlys Boligbyggelag i Finnmar |
| 9. | Low carbon energy self-sufficient community"<br>Acronym: Arctic Energy | Co-PI | 2 MEUR<br>Interreg Nord | 2016-18 | NORUT<br>Narvik, LTU Luleå, Micropolis |
| 10 | Effective Use of Renewable Energy Resources in Remote Communities using SMARTGRID Technology | PI | 25000 EUR<br>Interreg NPA Preparatory Funding | 2016 | University of the Faroe Island<br>IERC, Cork, |
| 11 | NOSEG (Nordic Smart Energy Simulation Group | Co-PI | 5.9 MNOK<br>Botnia-Atlantica<br>EU programme | 2012-2014 | Umeå universitet Vasa universitet Vasa yrkeshögskola Tampere University of Technology |
| 12. | Strategic project to improve competence in alternative distributed energy systems in the low populated arctic environment of Northern Norway | Post-Doctoral | Research Council of Norway<br>4.2MNOK | 2012-2013 | UiT The Arctic University of Norway |

***C. Applied Projects-***

| **S.No.** | **Project Title** | **My Role** | **Budget and Funding Body** | **Year<br>Status of the Project** | **External Partner** |
|---|---|---|---|---|---|
| **1** | **PRECOR** | **PI** | **9 Million EURO, Horizon EU** | **Applied<br>11.5 out of 15 not selected** | **20 partners from EU** |
| **2.** | **DigiTwinLab (Digital Twin Power System Laboratory)** | **PI** | **37.65 MNOK, RCN** | **Applied** | **NTNU, SINTEF Energy, UiS** |
| **3.** | Enhancing Resilience of Integrated Electricity-Water-Gas Systems in the Face of Climate Change: Pathways to Decarbonization | PI | Arctic MSCA<br><br>with a prospectus post doctoral candidate | 2026-2029<br><br>submitted<br>not selected | NORCE |

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|---|---|---|---|---|---|
| 4. | Power grid resilience for the green transition | *Co-PI* | Interreg Aurora | Applied<br>4 MNOK (UiT)<br>not selected | Lapin AMK, LTU |
| 5. | Energy management system (EMS) for offshore platforms and onshore grids | PI | Industrial PhD 2025<br>RCN | Applied<br><br>and selected | Aibel (Project Owner) |
| *6* | *Collaborative Research-Based Education on the Application of Artificial Intelligence (AI) to Sustainable Energy Micro-grids Resilient to Cyber-attacks* | *Co-PI* | *Indo-Norwegian Cooperation Programme in Higher Education and Research - INCP2* | *2024 August*<br>not selected | *Norway- HVL, Norwegian Defence University College*<br>*India- IIT Delhi, IIT Jodhpur, IIT Roorkee* |
| *7* | *Collaborative Research Based Education on Smart Micro / Mini Power Grids of Distributed Energy Resources* | *Co-PI* | *NORPART, Norway* | *2024 July applied*<br>not selected | *Norway- NTNU, HVL, Oslo Met*<br>*Others- Nepal, Bangladesh, and Sri Lanka* |
| 8 | Reinventing the Arctic Energy Systems,<br>**ReArcS** | Co-PI | 200 MNOK<br>FME Centre, RCN | Applied in November 2023<br>Duration of the Project- 8 years<br><br>*Not approved* | SINTEF, NORCE<br>MTU, USASK<br>Nordlandsforskning<br>UNIS, TSO, DSO |
| 9 | Enhancement of Sustainable Energy Conversion for Renewable Energy Transition Studies (eSECRETS) | Co-PI | 5.99 MNOK<br>NORPART | 2022-2026<br>*Not approved* | NEPAL Pokhara University |
| 10 | An Intelligent Decision Support System Tool to Manage the Flexibility in Ferry Energy Management System<br>**Ferry AI-DSS** | PI | 12.77 MNOK<br>RCN Innovation Project for the Industrial Sector | 2021-24<br><br>*Not approved:*<br>Overall-5 out of 7 | HAFENSTROM AS, (Project Owner)<br>Other Partners- NILU, Polar Kraft AS, Norled AS , Harstad Kommune |
| 11 | Unlocking energy poverty through community co-designed Hybrid Micro Grids in rural communities in Indonesia – HYGRIDS | PI | 14 MNOK<br>RCN (NORGLOBAL) | 2021-24<br>*Not approved* | UiS, NILU, STIFTELSEN HANDELSHØYSKOLEN B<br>Resilience Development Initiative (RDI)<br>DTU Management Engineering<br>Universiti Teknologi Petronas<br>University of Indonesia |
| 12 | Ice Free Power Transmission -ICEFREETRANS | PI | 4 MNOK<br>Statnett R&D Call 2020 | 2020-2023<br>*Not approved* | Arctic Experts AS, Nanize AS |

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|---|---|---|---|---|---|
| 13 | Advanced Distribution Level Intelligence by Controllability Enhancement- ADVICE<br>UiT Coordinator | PI | 3.27 MEUR<br>EU H2020 | 2020-2023<br>Applied in Feb. 2019<br>*Not Approved,*<br>Score 7.5/15, Threshold 10.0. | NORCE, IERC, Alborg, UPC, DSO Turkey, Schneider Electric , Seven Solutions, and UFI |
| 14 | Reliable and Intelligent Electrical Networks with Distributed Energy Resources- REINDEERS | PI | COST ACTION, EU | 4 YEARS<br>*Not Approved,* | 12 EU Countries |
| 15 | Intelligent Control Unit for Hybrid Micro- grid for Power Supply to Isolated Communities **(I-COMPACT)** | PI | 1.48 MEUR | 2019-23<br>*Not Approved*<br>Score- 10/15 | University Politehnica Timisoara (Coordinator)<br>University Valahia Targoviste<br>Technical University of Iaşi |
| 16 | Feasibility Analysis of Sustainable Energy Technologies in Arctic Region | PI | 250000 NOK<br>UArctic Allocation | 2018-2019<br>*Not Approved* | Alborg, Denmark<br>UiA, Agder, University of the Faroe Island |
| 17 | Integration challenges of renewable power generation in remotely located areas | PI | 1.53 MNOK<br>UTFORSK, SIU | 2018-2021<br>*Not Approved* | IIT Roorkee, India,<br>And Company- United Technologies, Roorkee, India |
| 18 | Renewable Energy based Smart Grid Solution for Remote Community Energy - SECURE | PI | 1.356 MEUR<br>Interreg NPA | 2017-2020<br>*Not Approved* | University of the Faroe Island<br>IERC, Cork<br>Trollfjord Karft |

## 8. Invited Talks:

- Guest Lecture, Impact on Bulk Power System Operation due to High penetrated DERs at DN , JCBUST , YMCA , Faridabad, INDI, 2023.
- Invited Talk, Need of TSO-DSO collaboration for the voltage stability, UiA Agder, Norway, 2019.
- Invited Talk, Deployment of Renewable Energy Resources in Arctic Region, 2019.
- Paper Presentation, Intelligent Controller Technique for Reactive Power Control in an Isolated Micro-Grid, 2019, NORPIE, Norway.
- Invited Talk, Low carbon energy self-sufficient community" SINTEF, Narvik.
- Paper Presentation, Automatic Reactive Power Compensation of an Isolated Wind-Diesel Hybrid Grid, IEEE International Conference on Industrial Technology (ICIT) 2018, Lyon, France.
- Paper Presentation, ANFIS Based Load Frequency Control in an Isolated Micro Grid, IEEE International Conference on Industrial Technology (ICIT) 2018, Lyon, France.

- Paper Presentation, ANN based reactive power control of an autonomous wind diesel hybrid power plant using PMIG and SG" Power and Energy Systems: Towards Sustainable Energy (PESTSE), 2014, pp.1-6.
- Invited Talk, Importance of Hybrid Power Systems in Remotely Located Areas, Narvik Municipality, 2013.
- Invited Talk, Wind Diesel Hybrid Power System, UiT Narvik, 2012.
- Paper Presentation, Study of STATCOM in the Autonomous Wind- Diesel Hybrid Power System," *International Conference on Renewable Energy (ICRE) 2011, University of Rajasthan, Jaipur, India.*
- Paper Presentation, Control of Reactive Power of Autonomous Hybrid Power Systems," *Proceedings of the IEEE PEDES, 2010, IIT Delhi, India.*
- *Study of an Ultracapacitor Cell," Proceedings of the International Conference on Advances in Renewable Energy (ICARE-2010), MANIT, Bhopal, India, 2010.*

## 9. Research Collaborations (in addition to the Research Projects):

***a. Name- Professor Barjeev Tyagi, IIT Roorkee, India***

***Form of Collaboration-****Joint PhD Supervision and Joint Publications*

***Research Problems-***

- A hybrid AC/DC Smart Microgrid for integration of diverse renewable energy resources with utility grid and rational end use of renewable energy in the microgrid
- A Solar-Agriculture Farm based multiple land-use to facilitate agriculture as well as solar farming on the same land, thereby, increasing net yield of the land and increasing farmer's income.
- Development of solar powered value chain machinery for agriculture and dairying for empowering farmers
- Effective utilization of Electrical Energy generated from agriculture and dairy waste
- Development of Specialized laboratory for study and planning of such Microgrids

***b. Name-*** *Professor Francisco Gonzalez-Longatt, USN, Norway*

***Form of Collaboration-****Joint Publications*

***Research Problem-***

- How to create a framework for real-time validation of different voltage control architecture in the DER-enriched smart distribution network

***c. Name-*** *Dr. Naveen Jain, Maharana Pratap University, Udaipur, India*

***Form of Collaboration-****Joint Publications*

***Research Problem-***

A case study for Techno-Economic & Environmental Assessment of Rooftop Solar PV System in University Campus

***d. University-*** J C Bose University, Faridabad*, India*

***Form of Collaboration-****Joint Publications*

**e. University-** University of Agder, Norway

***Form of Collaboration***- Joint work and joint publications

**f. University-** National University of Singapore

***Form of Collaboration***- Joint works

**g**. **University-** Indian Institute of Technology, Indore, India

***Form of Collaboration***- Joint work and joint publications

h. UiA- Norway

***Form of Collaboration***- Joint work and joint publications

**i. Industries Collaboration-**

Energi i Nord, Distribution System Operators, Transmission System Operator, Estonia , Schneider Electric, Seven Solutions,

## 10. Awards Offered:

- Institute PhD Fellowship sanctioned by Ministry of Human Resource and Development, India. *Amount*: Indian Rupees (IRs). 10, 000/ - per month plus IRs. 20, 000 per year as contingency.
- Post- Doctoral Fellowship, RCN, Norway
- Institute Master's Fellowship sanctioned by Ministry of Human Resource and Development, India. *Amount*: Indian Rupees (IRs). 5000/ - per month plus IRs. 10, 000 per year as contingency.
- Topper of the class in Last year of the Diploma in Electrical Engineering and also secure the highest percentage at the last semester.

## 11. Books/Book Chapters:

1. Feasibility Study of Wave Energy Harvesting in Northern Norway,Innovations in Sustainable Maritime Technology—IMAM 2025, Springer
2. Raju Wagle, Pawan Sharma, etc Cyber-Physical Co-simulation Framework between Typhon HIL and OpenDSS for Real-Time Applications, Book Chapter, Springer Nature, 2022, Accepted.
3. Raju Wagle, Pawan Sharma, etc Real-Time Price Based Optimal Energy Mix in Smart Distribution Network Recent Developments in Electrical and Electronics Engineering, Lectures Notes in Electrical Engineering, 2022, Springer.

## 12. Editorial Board Members:

I. International Transactions on Electrical Energy Systems, Impact Factor-2.639
II. Electrical Engineering, Springer ISSN: 1432-0487 (Online), Impact Factor-1.630.
III. Designs, MDPI, Impact Factor-2.12
IV. International Journal of Smart Grid and Clean Energy, SCGE, ISSN: 2373-3594 (Online).

## 13. Reviewers:

- IEEE Transaction on Energy Conversions (June 2011 - Present)
- IEEE Transaction on Industrial Electronics (July 2011 - Present)
- International Journal of Power and Energy Systems, Elsevier, (July 2011 - Present)
- Journal of Power Sources (June 2011- Present)
- Journal of Electrical Engineering (July 2011 to present).
- Journal of Green Energy (Jan. 2012 to present).
- European Transactions on Electrical Power (Jan 2014 to present)
- Electric Power Components and Systems (Jan 2016 to present)

## 14. Professional Membership- IEEE

## 15. Technical Programme Committee:

1) **PEEE 2027--2027 7th Eurasia Conference on Power, Energy and Electrical Engineering, Milan, Italy January 18-21, 2027** .
2) 9th International Conference on Electrical Engineering and Green Energy (CEEGE),
3) 2024 6th International Conference on Smart Power & Internet Energy Systems, Abu Dhabi, UAE December 4-6, 2024
4) 2024 7th International Conference on Electronics and Electrical Engineering Technology (EEET 2024) n December 6-8, 2024 Malaysia.

5) 7th International Conference on Electrical Engineering and Green Energy (CEEGE), will take place in Los Angeles, USA from June 28-July 1, 2024. CEEGE 2024 .
6) 2024 3rd International Conference on Advanced Electronics, Electrical and Green Energy (AEEGE 2024) will be held in Bangkok, Thailand
7) 4th International Conference on Advanced Electrical and Energy Systems (AEES) China
8) 2023 8th International Conference on Energy System, Electricity and Power (ESEP 2023.
9) 2024 International Conference on Power Electronics and Energy System (ICPEES 2024) Kuala Lumpur, Malaysia during March 1-3, 2024.
10) 2023 International Conference on Power, Electrical and Communication Engineering (CPECE 2023) m China.
11) 6th International Conference on Electronics and Electrical Engineering Technology (EEET 2023)
12) 2023 1st International Symposium on New Energy and Environmental Industry (ISNEC 2023), Jeju Island, South Korea.
13) 2023 2nd International Conference on Power Systems and Electrical Technology (PSET), Milan, Italy during August 25-27, 2023
14) 2023 International Symposium on Electrical, Electronics and Information Engineering (ISEEIE 2023), which will be held in Singapore during February 24-26, 2023.
15) CEEGE 2023 (The 6th International Conference on Electrical Engineering and Green Energy) in Grimstad, Norway from June 6-9, 2023.
16) International Journal of Smart Grid and Clean Energy, Kuala Lumpur, Malaysia, 2023
17) International Conference on Green Energy, Environment and Sustainable Development, China
18) International Conference on Electrical Engineering and Green Energy, Munich
19) Industrial Application of Power, Energy and Control (IPEC 2021) India
20) Asia Conference on Electrical, Power and Computer Engineering (EPCE 2022), China
21) European Conference on Electronic Engineering, 2022, Berlin
22) 5th International Conference on Electrical Engineering and Green Energy (CEEGE), 2022, Berlin
23) The 2022 International Conference on Industrial Electronics and Instrumentation will be held in Jeju Island, South Korea
24) 2022 The 3rd International Conference on Power and Electrical Engineering (ICPEE 2022Singapore during December 29-31, 2022.
25) 2023 Asia Conference on Power, Energy Engineering and Computer Technology (PEECT 2023), Qingdao, China.

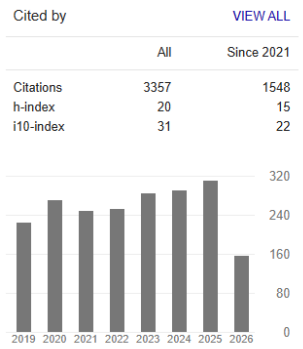
16. **International Advisory Committee:**
    1. International Conference on Recent Challenges and Opportunities in Engineering, India
    **2.** International Symposium on Sustainable Energy and Technological Advancements (ISSETA 2023)

## 17. Publications:

**Google scholar citations:**

**https://scholar.google.com/citations?hl=en&user=Pakmjp8AAAAJ&view_op=list_works&gmla=AJsN-F7jJvsOVUJsthXJCO_XAmjL41wZf0dFTCmLulG2r4Jp7uILa2rWIY6Y3JHa1uLpT4eYKBSdcAj-kJZkVw03mISo29k2n8IVf5dLWUrQyRXfEBePSUU**

**Total number of citations- 3357**




## *A. Journals:*

1. Fabien Sechi · Nadia Saad Noori · Charu Sharma · Pawan Sharma · Isaac Kweku Aidoo · Francisco Gonzalez-Longatt · Sabarathinam Chockalingam, Distinguishing Cyber-Attacks and Faults in DER-Rich Smart Grids: A Comprehensive Review, International Journal of Information Security, Springer, Accepted, Impact Factor (IF)-5.2.
2. S. Agrawal, B. Tyagi, V. Kumar and P. Sharma, "Enhancing Transient Response of Grid Connected DFIG-WT Through Adaptive Inertia and Damping Control With Virtual Synchronous," in IEEE Transactions on Industry Applications, vol. 62, no. 1, pp. 110-119, Jan.-Feb. 2026. Impact Factor (IF)-5.2.
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