

**Details of International Journal Publications (34 Nos.)**

**Published Papers in SCI/SCIE, ESCI & SCOPUS Journals (28 Nos.)**

- [1]. Nirban Chakraborty, Nalin B Dev Choudhury, **Prashant Kumar Tiwari**, “Profit Maximization of Retailers with Intermittent Renewable Sources and Energy Storage Systems in Deregulated Electricity Market with Modern Optimization Techniques: A Review”, accepted for publication in *Renewable Energy Focus (Elsevier)*, vol. 47, 100492, 2023. (SCOPUS/ESCI Journal)
- [2]. Arindam Sanyal, Arup Kumar Goswami, **Prashant Kumar Tiwari**, “Risk and Cost Benchmarking of Solar Energy Technology Based on Celestial phenomenon for a Power Market Integration,” published in *Sustainable Energy Technologies and Assessments (Elsevier)*, vol. 49, 2022 (SCI Journal).
- [3]. Rajesh Panda, **Prashant Kumar Tiwari**, “An Economic Risk based Optimal Bidding Strategy for Various Market Players Considering Optimal Wind Placements in Day-Ahead and Real-Time Competitive Power Market”, published in *International Journal of Systems Assurance Engineering and Management (Springer)*, vol. 13, pp. 347-362, 2022 (SCOPUS/ESCI Journal).
- [4]. Rajesh Panda, **Prashant Kumar Tiwari**, “Risk assessment by security-constrained unit commitment for hybrid wind-thermal by pair copula approach in reserve power market: a stochastic approach”, published in *IET Generation, Transmission & Distribution*, vol 14, issue 26, pp 6639-6649, January 2021. (SCI Journal)
- [5]. Arindam Sanyal, **Prashant Kumar Tiwari**, Arup Kumar Goswami, “An efficient bidding strategy for selecting most economic horizon in restructured electricity market with hybrid generation and energy storage”, *Journal of Energy Storage (Elsevier)*, vol. 28, April 2020. (SCI Journal)
- [6]. Sadhan Gope, Arup Kumar Goswami, **Prashant Kumar Tiwari**, “Transmission Congestion Management with Integration of Wind Farm: A Possible Solution Methodology for Deregulated Power Market”, published in *International Journal of Systems Assurance Engineering and Management (Springer)*, vol. 11, pp. 287-296, April 2020, (SCOPUS/ESCI Journal).
- [7]. Rituparna Mitra, Arup Kumar Goswami, **Prashant Kumar Tiwari**, “The Efficacy of Solar EV Duo: Way to Voltage Sag Mitigation”, published in *IET Generation, Transmission & Distribution*, vol. 14, issue .1, pp. 131-139, January 2020. (SCI Journal)
- [8]. Subhojit Dawn, **Prashant Kumar Tiwari**, Arup Kumar Goswami, “An Approach for Long Term Economic Operations of Competitive Power Market by Optimal Combined Scheduling of Wind Turbines and FACTS Controllers”, published in *Energy (Elsevier)*, vol. 181, pp. 709-723, August 2019. (SCI Journal)
- [9]. Furquan Nadeem, Mohd A. Aftab, S.M.S. Hussain, Iqbal Ali, **Prashant Kumar Tiwari**, Arup Kumar Goswami, T. S. Ustun, “Virtual Power Plant Management in Smart Grids with XMPP based IEC 61850 communication”, published in *Energies*, 12, 2398; doi:10.3390/en12122398, June 2019 (SCI Journal)
- [10]. **Prashant Kumar Tiwari**, Manash Kumar Mishra, Subhojit Dawn, “A two step approach for improvement of economic profit and emission with congestion management in hybrid competitive power market”, published in *International Journal of Electrical Power and Energy Systems (Elsevier)*, vol. 110, pp. 548-564, March 2019. (SCI Journal)
- [11]. Subhojit Dawn, **Prashant Kumar Tiwari**, Arup Kumar Goswami, Ankit Kumar Singh, Rajesh Panda, “Wind Power: Existing Status, Achievements and Government’s Initiative towards Renewable Power Dominating India”, published in *Energy Strategy Reviews*, vol. 23, pp. 178-199, January 2019. (SCI Journal)

- [12]. Rituparna Mitra, Arup Kumar Goswami, **Prashant Kumar Tiwari**, "Optimal Selection of Voltage Sag Mitigating Devices for Micro Level Customer in Distribution System", published in *IET Renewable Power Generation*, vol. 13, issue 1, pp. 191-200, January 2019. (SCI Journal)
- [13]. Subhojit Dawn, **Prashant Kumar Tiwari**, Arup Kumar Goswami, and Rajesh Panda, 'An Approach for System Risk Assessment and Mitigation by Optimal Operation of Wind Farm & FACTS Devices in Centralized Competitive Power Market', published in *IEEE Transactions on Sustainable Energy*, vol. 10, issue 3, pp. 1054-1065, July 2018/2019. (SCI Journal)
- [14]. Furquan Nadeem, S.M. Suhail Hussain, **Prashant Kumar Tiwari**, Arup Kumar Goswami, Taha Selim Ustun, "Comparative Review of Energy Storage Systems, Their Roles and Impacts on Future Power Systems," published in *IEEE Access*, vol. 7, pp. 4555-4585, December 2018. (SCI Journal)
- [15]. Rajesh Panda, **Prashant Kumar Tiwari**, "Economic Risk based Bidding Strategy for Profit Maximization of Wind Integrated Day-Ahead and Real-Time Double Auctioned Competitive Power Markets," published in *IET Generation, Transmission & Distribution*, vol. 13, issue 2, pp. 209-218, October 2018. (SCI Journal)
- [16]. Subhojit Dawn, **Prashant Kumar Tiwari**, Arup Kumar Goswami, "An efficient approach for establishing the economic and operating reliability via optimal coordination of wind-PSH-solar-storage hybrid plant in highly uncertain double auction competitive power market", published in *IET Renewable Power Generation*, vol. 12, Issue 10, pp. 1189-1202, August 2018. (SCI Journal)
- [17]. Sadhan Gope, Arup Kumar Goswami, **Prashant Kumar Tiwari**, "Impact Assessment of Bi-directional Solar Electric Vehicle in Competitive Electricity Market under Congested Transmission System", *Procedia Computer Science (Elsevier)*, vol. 143, pp. 653-662, 2018. (SCOPUS Journal)
- [18]. Subhojit Dawn, **Prashant Kumar Tiwari**, Arup Kumar Goswami, "An approach for efficient assessment of the performance of double auction competitive power market under variable imbalance cost due to high uncertain wind penetration", published in *Renewable Energy (Elsevier)*, vol. 108, pp. 230-243, February 2017. (SCI Journal)
- [19]. Rituparna Mitra, Arup Kumar Goswami, **Prashant Kumar Tiwari**, "Voltage Sag Assessment using Type-2 Fuzzy system considering uncertainties in Distribution system", published in *IET Generation, Transmission & Distribution*, vol. 11, issue 6, pp. 1409-1419, January 2017. (SCI Journal)
- [20]. Sadhan Gope, Arup Kumar Goswami, **Prashant Kumar Tiwari**, "Transmission Congestion Management using a Wind Integrated Compressed Air Energy Storage System", published in *Engineering, Technology & Applied Science Research*, vol. 7, no. 4, pp. 1746-1752, July 2017. (ESCI Journal)
- [21]. Subhojit Dawn, **Prashant Kumar Tiwari**, Arup Kr. Goswami, Manas Kr. Mishra, "Recent developments of solar energy in India: Perspectives, strategies and future goals", published in *Renewable & Sustainable Energy Reviews (Elsevier)*, vol. 62, pp. 215-235, April-2016. (SCI Journal)
- [22]. Sadhan Gope, Arup Kumar Goswami, **Prashant Kumar Tiwari**, Subhasish Deb, "Rescheduling of real power for congestion management with integration of pumped storage hydro unit using firefly algorithm", published in *International Journal of Electrical Power and Energy Systems (Elsevier)*, vol. 83, pp. 434-442, April 2016. (SCI Journal)
- [23]. Subhojit Dawn, **Prashant Kumar Tiwari**, "Improvement of economic profit by optimal allocation of TCSC and UPFC with wind power generators in double auction competitive power market", published in *International Journal of Electrical Power and Energy Systems (Elsevier)*, vol. 80, pp. 190-201, January 2016. (SCI Journal)
- [24]. Subhojit Dawn, **Prashant Kumar Tiwari**, Arup Kr. Goswami, "A Joint Scheduling Optimization Strategy for Wind and Pumped Storage Systems Considering Imbalance Cost & Grid Frequency in Real-Time Competitive

- Power Market”, published in *International Journal of Renewable Energy Research*, vol. 6, no. 4, pp. 1248-1259, June 2016. (ESCI/SCOPUS Journal)
- [25]. **Prashant Kumar Tiwari**, Yog Raj Sood, “An Efficient Approach for Optimal Allocation and Parameters Determination of TCSC with Investment Cost Recovery under Competitive Power Market”, published in *IEEE Transactions on Power Systems*, vol. 28, no. 3, pp. 2475-2484, August 2013. (SCI Journal)
- [26]. Naveen Kumar Sharma, **Prashant Kumar Tiwari**, Yog Raj Sood, “A comprehensive analysis strategies, policies and development of hydropower in India: Special emphasis on small hydropower”, published in *Renewable & Sustainable Energy Reviews (Elsevier)* vol. 18, pp. 460-470, February 2013. (SCI Journal)
- [27]. **P.K. Tiwari**, Y.R. Sood, “Efficient and Optimal Approach for Location and Parameter Setting of Multiple Unified Power Flow Controllers for a Deregulated Power Sector”, published in *IET Generation, Transmission & Distribution*, vol. 6, issue 10, pp. 958-967, October 2012. (SCI Journal)
- [28]. Naveen Kumar Sharma, **Prashant Kumar Tiwari**, Yog Raj Sood, “Solar energy in India: Strategies, policies, perspectives and future potential”, published in *Renewable & Sustainable Energy Reviews (Elsevier)*, vol. 16, issue 1, pp. 933-941, January 2012. (SCI Journal)

### **Published Papers in other than SCI/SCIE, ECI & SCOPUS Journals (06 Nos.)**

- [1]. Sadhan Gope, Arup Kumar Goswami, **Prashant Kumar Tiwari**, “Generator Rescheduling under Congested Power System with Wind Integrated Competitive Power Market”, published in *International Journal of Sensors & Transducers*, vol. 209, issue 2, pp. 50-55, February 2017, ISSN: 2306-8515.
- [2]. Arun Abhindranath, **Prashant Kumar Tiwari**, “Social Welfare Calculation and Comparison for Different Operating Strategy of Wind-pumped Storage Hybrid Plant in Competitive Power Market”, published in *Procedia Technology (Elsevier)*, vol. 21, pp. 68-75, January 2016. (Elsevier International Conference ‘Smart Grid Technologies’, August 6-8, 2015), DOI: 10.1016/j.protcy.2015.10.011
- [3]. **Prashant Kumar Tiwari**, Yog Raj Sood, “An Efficient Approach for Optimal Placement of TCSC in Double Auction Power Market”, published in *International Journal of Electronics and Electrical Engineering (IJEEE) (A Journal of World Academy of Science, Engineering and Technology (WASET))*, vol. 6, pp. 321-326, June 2012, ISSN Print: 2010-3964, ISSN Online: 2010-3972.
- [4]. **Prashant Kumar Tiwari**, Yog Raj Sood, “Optimal Location of FACTS Devices in Power System by Artificial Intelligence based Optimization Techniques: A Review”, published in *International Journal of Innovations in Electrical Power Systems (IJIEPS)*, vol. 2, no. 2, pp. 171-181, July-December 2010, ISSN: 0975-5306.
- [5]. Naveen Kumar Sharma, **Prashant Kumar Tiwari**, Yog Raj Sood “Review of Artificial Intelligence Techniques Application to Dissolved Gas Analysis on Power Transformer” published in *International Journal of Computer and Electrical Engineering (IJCEE)*, vol. 3, no. 4, pp. 577-582, August 2011, ISSN: 1793-8198.
- [6]. Naveen Kumar Sharma, **Prashant Kumar Tiwari**, Yog Raj Sood, “Perspectives of Renewable Energy Sources in the Future Indian Competitive Electricity Markets”, published in *International Journal of “Trends in Electrical Engineering” (STM Journals)*, vol. 2, issue 3, December 2012, ISSN: 1941-7012.

**Book**

Sl. No.	Book Title	Author(s)	Publisher	ISBN No./DOI No./ Page/ Year
1.	Optimal Placement of FACTS Devices with Wind Generator in Power System	Subhojit Dawn, Shreya Shree Das, <b>Prashant Kumar Tiwari</b>	LAP LAMBERT Academic Publishers	<b>2020</b> [ISBN: 6202529652 ISBN-13: 978-6202529655]

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**Book Chapters (07 Nos.)**

Sl. No.	Chapter Title	Author(s)	Book Title	Publisher	ISBN No./DOI No./ Page/ Year
1.	Economic Benefit Analysis by Integration of Different Comparative Methods for FACTS Devices	Rituparna Mitra, Sadhan Gope, Arup Kumar Goswami, <b>Prashant Kumar Tiwari</b>	Springer Proceedings in Mathematics & Statistics	Springer	<b>2023</b> [Print ISBN: 978-981-19-8193-7 Online ISBN: 978-981-19-8194-4, doi: 10.1007/978-981-19-8194-4_15]
2.	A Treatise on Distributed Generation Control	Arindam Sanyal, <b>Prashant Kumar Tiwari</b> , Rajesh Panda, Ravi Teja	Intelligent Techniques and Applications in Science and Technology	Springer	<b>2019</b> [Print ISBN: 978-3-030-42362-9 Online ISBN: 978-3-030-42363-6, doi: 10.1007/978-3-030-42363-6_1]
3.	Economic Sustainability Maximization Considering Demand Side Bidding in a PV Integrated Restructured Electricity Market	Sadhan Gope, Subhojit Dawn, Galiveeti Hemakumar Reddy, Arup Kumar Goswami, <b>Prashant Kumar Tiwari</b>	Intelligent Techniques and Applications in Science and Technology	Springer	<b>2019</b> [Print ISBN: 978-3-030-42362-9 Online ISBN: 978-3-030-42363-6, doi: 10.1007/978-3-030-42363-6_72]
4.	Profit Maximization by Joint Operation of Solar-Battery Storage System in a Renewable-Integrated Deregulated Power Market	Jayanta Bhusan Basu, Subhojit Dawn, Pradip Kumar Saha, <b>Prashant Kumar Tiwari</b>	Intelligent Techniques and Applications in Science and Technology	Springer	<b>2019</b> [Print ISBN: 978-3-030-42362-9 Online ISBN: 978-3-030-42363-6, doi: 10.1007/978-3-030-42363-6_125]
5.	Transmission Congestion Relief with Integration of Photovoltaic Power using Lion Optimization Algorithm	Sadhan Gope, Subhojit Dawn, Rituparna Mitra, Arup Kumar Goswami, <b>Prashant Kumar Tiwari</b>	Soft Computing for Problem Solving	Springer	<b>2018</b> [eBook ISBN: 978-981-13-1592-3, 2018, doi: 10.1007/978-981-13-1592-3-25]
6.	Congestion constraint corrective rescheduling in the competitive power market with the integration of a wind farm	Sadhan Gope, Arup Kumar Goswami, <b>Prashant Kumar Tiwari</b>	Computer, Communication and Electrical Technology	CRC Press Taylor & Francis Group	<b>2017</b> [Print ISBN: 978-1-138-03157-9, eBook ISBN: 978-1-315-40061-7, 2017, doi: 10.1201/9781315400624-55, Pages 289–294]
7.	Optimal Demand Side Bidding Using Evolutionary Algorithm in Deregulated Environment	Subhojit Dawn, Sadhan Gope, <b>Prashant Kumar Tiwari</b> , Arup Kr. Goswami	Advances in Intelligent Systems and Computing	Springer	<b>2015</b> [Print ISBN 978-981-10-0447-6, Online ISBN 978-981-10-0448-3, 2016, doi: 10.1007/978-981-10-0448-3-38]

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## Details of Publications in Magazine (11 Nos.)

- [1]. Subhojit Dawn, **Prashant Kumar Tiwari**, “Maximizing the Profit by Optimal Installation of TCSC with Wind Power Generator in Deregulated Electricity Market”, **published** in *Smart Energy Magazine*, vol. 1, issue 3, pp. 62-64, June-July 2014, ISSN: 2348-5027.
- [2]. **Prashant Kumar Tiwari**, Yog Raj Sood, “Flexible Alternating Current Transmission Systems (FACTS): An Indian Scenario”, **published** in *Electrical India (National Magazine)*, Chary Publication, vol. 50, no. 9, September 2010.
- [3]. **Prashant Kumar Tiwari**, Naveen Kumar Sharma, Yog Raj Sood, “Power Quality issues in Deregulated Environment of Power Sector”, **published** in *Electrical India (National Magazine)*, Chary Publication, vol. 51, no. 3, March 2011.
- [4]. **Prashant Kumar Tiwari**, Naveen Kumar Sharma, Yog Raj Sood, “Novel Concept of Quantization of Congestion in Deregulated Power Sector”, **published** in *Electrical India (National Magazine)*, Chary Publication, vol. 51, no. 5, May 2011.
- [5]. Naveen Kumar Sharma, **Prashant Kumar Tiwari**, Yog Raj Sood “Impact of Renewable Energy in Competitive Electricity Market: Future Aspects” **published** in *Electrical India (National Magazine)*, Chary Publication, vol. 51, no. 10, pp. 88-91, October 2011.
- [6]. **Prashant Kumar Tiwari**, Naveen Kumar Sharma, Yog Raj Sood, “Current Status and Trends of Indian Power Sector”, **published** in *Electrical India (National Magazine)*, Chary Publication, vol. 51, no. 11, pp. 50-57, November 2011.
- [7]. Naveen Kumar Sharma, **Prashant Kumar Tiwari**, Yog Raj Sood, “Current Power Scenario of Punjab: A Special Emphasis of Renewable Energy Sources”, **published** in *Electrical India (National Magazine)*, Chary Publication, vol. 51, no. 11, pp. 274-278, November 2011.
- [8]. Naveen Kumar Sharma, **Prashant Kumar Tiwari**, Yog Raj Sood, “Renewable Energy Status and Future Plans in Indian Restructured Power Sector”, **published** in *Electrical India (National Magazine)*, Chary Publication, vol. 51, no. 12, pp. 88-93, December 2011.
- [9]. **Prashant Kumar Tiwari**, Naveen Kumar Sharma, Yog Raj Sood, “An Efficient Approach for Optimal Location of FACTS Devices in Power Transmission Systems”, **published** in *Electrical India (National Magazine)*, Chary Publication, vol. 52, no. 2, pp. 58-63, February 2012.
- [10]. Naveen Kr. Sharma, **Prashant Kumar Tiwari**, Yog Raj Sood, “Power Transformer Insulating Oil Aging Diagnosis by using Dissolved Gas Analysis”, **published** in *Electrical India (National Magazine)*, Chary Publication, vol. 52, no. 3, pp. 60-66, March 2012.
- [11]. Naveen Kumar Sharma, **Prashant Kumar Tiwari**, Yog Raj Sood, “Power Market for Renewable Energy Efficiency in India”, **published** in *Electrical India (National Magazine)*, Chary Publication, vol. 52, no. 12, December 2012.

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**Details of International Conference Publications (46 Nos.)**

**International Conferences [outside India] (09 Nos.)**

- [1]. Arindam Sanyal, C. Behera, Arup Kumar Goswami and **Prashant Kumar Tiwari**, “Impact of Voltage Sag on Market Operation in Electrical Power System”, *IEEE Industry Applications Society Annual Meeting (IAS)*, Vancouver, BC, Canada, pp. 1-6, 2021, **E-ISBN:978-1-7281-6401-4, E-ISSN: 2576-702X**.
- [2]. Rajesh Panda, **Prashant Kumar Tiwari**, "Security Constrained Unit Commitment Economic Dispatch Based Optimal Bidding Strategy in Risky Environment", accepted for publication in *IEEE PES GTD Grand International Conference* and Exposition Asia 2019, from 19 - 23 March 2019 at Bangkok, Thailand
- [3]. Sadhan Gope, Arup Kumar Goswami, **Prashant Kumar Tiwari**, “Impact Assessment of Bi-directional Solar Electric Vehicle in Competitive Electricity Market under Congested Transmission System”, published in *Procedia Computer Science*, vol. 143, pp. 653-662, 2018, **E-ISSN: 1877-0509. SCOPUS Indexed**
- [4]. Sadhan Gope, Arup Kumar Goswami and **Prashant Kumar Tiwari**, “Congestion Mitigation Considering Solar Electric Vehicle: A Possible Solution for Today’s Electricity Market”, published in *International Conference on Sustainable Energy and Environment Sensing (SEES 2018)*, University of Cambridge , U.K., 18-19 June, 2018
- [5]. Subhojit Dawn, **Prashant Kumar Tiwari**, Sadhan Gope, Arup Kumar Goswami and Prakash Kumar, "An Active Power Spot Price based Approach for Congestion Management by Optimal Allocation of TCSC in Competitive Power Market", published in **IEEE TENCON-2016, Singapore. DOI: 10.1109/TENCON.2016.7848261, Electronic ISSN: 2159-3450, Electronic ISBN: 978-1-5090-2597-8.**
- [6]. Sadhan Gope, Subhojit Dawn, Arup Kumar Goswami and **Prashant Kumar Tiwari**, "Profit Maximization with Integration of Wind Farm in Contingency Constraint Deregulated Power Market using Moth Flame Optimization Algorithm", published in **IEEE TENCON-2016, Singapore. DOI: 10.1109/TENCON.2016.7848257, Electronic ISSN: 2159-3450, Electronic ISBN: 978-1-5090-2597-8.**
- [7]. Sadhan Gope, Subhojit Dawn, Arup Kumar Goswami and **Prashant Kumar Tiwari**, "Moth Flame Optimization based Optimal Bidding Strategy under Transmission Congestion in Deregulated Power Market", published in **IEEE TENCON-2016, Singapore. DOI: 10.1109/TENCON.2016.7848076, Electronic ISSN: 2159-3450, Electronic ISBN: 978-1-5090-2597-8.**
- [8]. **Prashant Kumar Tiwari**, Yog Raj Sood, “Optimal Location of FACTS Devices for Enhancement in the Performance of Deregulated Power Sector: A Survey”, **published in IEEE Power & Energy Society (PES) General Meeting-2011, Detroit, Michigan, USA, DOI: 978-1-4577-1002-5/11, pp. 1-7, July 24-28, 2011. ISSN: 1944-9925, E-ISBN: 978-1-4577-1001-8, Print ISBN: 978-1-4577-1000-1.**
- [9]. **Prashant Kumar Tiwari**, Yog Raj Sood, “An Approach for Optimal Placement Rating and Investment Cost Recovery of a TCSC in Double Auction Power Market”, **published in Proceedings of the 2014 International Conference on Power Systems, Energy, Environment, Switzerland. (ISBN: 978-1-61804-221-7), March 2014.**

### International Conferences [within India] (37 Nos.)

- [1]. Naresh Boda, **Prashant Kumar Tiwari**, Rajesh Panda "A Systematic Approach for Risk Assessment and Mitigation of Wind Integrated Electricity Markets", *Springer's International Conference on Renewable Energy, Green Computing & Sustainable Development(ICREGCSD-2023)* held from 22<sup>nd</sup> - 23<sup>rd</sup> December 2023 at CVR College of Engineering, Hyderabad, Telangana, India. . [Accepted & Presented]
- [2]. Rajesh Panda, **Prashant Kumar Tiwari**, "Forecasting of Market Power using LSTM in day-ahead market", *2023 IEEE International Conference on Power Electronics, Smart Grid and Renewable Energy (PESGRE 2023)* held from 17<sup>th</sup> – 20<sup>th</sup> December 2023 at Thiruvananthapuram, India. [Accepted & Presented]
- [3]. Rajesh Panda, **Prashant Kumar Tiwari**, "A Hybrid Wind-Thermal Bidding Model in Day-ahead and Real-time market considering Regulating price in a Competitive power market", *3<sup>rd</sup> IEEE International Conference on Smart Technologies for Power, Energy and Control (STPEC 2023)* held from 10<sup>th</sup> – 13<sup>th</sup> December 2023 at KIIT University, Bhubaneswar, India. [Accepted & Presented]
- [4]. Parikhshit Kumar Kanth, **Prashant Kumar Tiwari**, Naresh Boda, "A Control Scheme for Grid Connected Solar Powered EV Charging Station With Hybrid Energy Storage System", *IEEE SILCON-2023*, held from 3<sup>rd</sup> – 5<sup>th</sup> November 2023 at NIT Silchar, India. [Accepted & Presented]
- [5]. Piyush Singh, **Prashant Kumar Tiwari**, "A Flexible Day-Ahead Electricity Market Strategy Employing Deep Learning", *7<sup>th</sup> IEEE Students' Conference on Engineering & Systems (SCES-2022)* organized by Electrical Engg. Department, MNNIT Allahabad, Prayagraj, India during 1<sup>st</sup> – 3<sup>rd</sup> July 2022, **E- ISBN: 978-1-6654-8072-7**.
- [6]. Shubham Kumar, **Prashant Kumar Tiwari**, "Impacts of Renewable Energy Based Power Plants on LMP in Deregulated Electricity Markets: A Review", *7<sup>th</sup> IEEE Students' Conference on Engineering & Systems (SCES-2022)* organized by Electrical Engg. Department, MNNIT Allahabad, Prayagraj, India during 1<sup>st</sup> – 3<sup>rd</sup> July 2022, **E-ISBN: 978-1-6654-8072-7**.
- [7]. Arindam Sanyal, Arup Kumar Goswami and **Prashant Kumar Tiwari**, "A Neural Network Approach For Evaluating Levelized Cost Of Electricity For Generating Electricity Across Various Generation Technologies", *2022 IEEE International Conference on Power Electronics, Smart Grid, and Renewable Energy (PESGRE)*, Trivendrum, India, during 2<sup>nd</sup> – 5<sup>th</sup> January 2022, **E-ISBN:978-1-6654-4837-6**.
- [8]. Furquan Nadeem, Arup Kumar Goswami and **Prashant Kumar Tiwari**, "Security Constrained two Stage Scheduling of Virtual Power Plant under Distributed Locational Marginal Prices", *2022 IEEE International Conference on Power Electronics, Smart Grid, and Renewable Energy (PESGRE)*, Trivendrum, India, during 2<sup>nd</sup> – 5<sup>th</sup> January 2022, **E-ISBN:978-1-6654-4837-6**.
- [9]. Akanksha Kedia, Arindam Sanyal, Abinab Gogoi, Ambar Kumar, Arup Kumar Goswami, **Prashant Kumar Tiwari**, Nalin Behari Deb Choudhury, "Wind Power Uncertainties Forecasting based on Long Short Term Memory Model for Short-Term Power Market", *IEEE First International Conference on Smart Technologies for Power, Energy and Control (STPEC)*, pp. 1-6, doi: 10.1109/STPEC49749.2020.9297752, September 2020.
- [10]. Arindam Sanyal, Arup Kumar Goswami, **Prashant Kumar Tiwari**, Tirunagaru V Sarath Kumar, "A Treatise on Impact of Renewables in the Power Market", *6<sup>th</sup> IEEE Students Conference on Engineering & Systems (SCES-2020)*, pp. 1-5, doi: 10.1109/SCES50439.2020.9236689, July 2020.
- [11]. Rajesh Panda, **Prashant Kumar Tiwari**, Bijaya Kumar Mohapatra, "Risk Analysis based on Gaussian Mixture Model for GENCOs in Short Term Market", *IEEE International Conference on Renewable Energy Integration into Smart Grids: A Multidisciplinary Approach to Technology Modelling and Simulation (ICREISG)*, pp. 249-253, February 2020.

- [12]. Sadhan Gope, Subhojit Dawn, Galiveeti Hemakumar Reddy, Arup Kumar Goswami, **Prashant Kumar Tiwari**, “Economic Sustainability Maximization Considering Demand Side Bidding in a PV Integrated Restructured Electricity Market”, *Springer’s International Conference on Innovation in Modern Science and Technology*, pp. 617-627, September 2019 (Part of the Learning and Analytics in Intelligent Systems book series (LAIS, volume 12)).
- [13]. Jayanta Bhusan Basu, Subhojit Dawn, Pradip Kumar Saha, **Prashant Kumar Tiwari**, “Profit Maximization by Joint Operation of Solar-Battery Storage System in a Renewable-Integrated Deregulated Power Market”, *Springer’s International Conference on Innovation in Modern Science and Technology*, pp. 1087-1096, September 2019 (Part of the Learning and Analytics in Intelligent Systems book series (LAIS, volume 12)).
- [14]. Arindam Sanyal, **Prashant Kumar Tiwari**, Rajesh Panda, Ravi Teja, “A Treatise on Distributed Generation Control”, *Springer’s International Conference on Innovation in Modern Science and Technology*, pp. 1-8, September 2019 (Part of the Learning and Analytics in Intelligent Systems book series (LAIS, volume 12)).
- [15]. Rajesh Panda, Prashant Kumar Tiwari, “Risk based Optimal Bidding Strategy for Suppliers and Buyers in a Day-Ahead Electricity Market”, *IEEE International Conference on Sustainable Energy Technologies and Systems (ICSETS)*, pp. 45-50, March-2019 at Bhubaneswar.
- [16]. Furquan Nadeem, SM Suhail Hussain, **Prashant Kumar Tiwari**, Arup Kumar Goswami, Taha Selim Ustun, “Review of smart and innovative energy storage systems”, *IEEE International Conference on Vision Towards Emerging Trends in Communication and Networking (ViTECoN)*, pp. 1-6, March 2019.
- [17]. A. K. Singh, R. Panda, **P.K. Tiwari**, “An Optimal Bidding Strategy for Social Welfare Maximization of Microgrid,” *International Conference in Recent Trends on Electronics and Computer Science (ICRTECS-2019)*, 18<sup>th</sup> -19<sup>th</sup> March 2019, NIT Silchar, India.
- [18]. Rajesh Panda, **Prashant Kumar Tiwari**, "Bidding Strategy for GENCOs and DISCOs in a Risk-based Day-Ahead Market", 1<sup>st</sup> IEEE International Conference on Sustainable Energy Technologies and System to be held in February 2019 at KIIT, Bhubaneswar, Odisha
- [19]. Arindam Sanyal, Rajesh Panda, **Prashant Kumar Tiwari**, “Frequency Regulation in Deregulated Power Markets: A Review”, *International Conference on Computational Intelligence and Internet of Things (ICCIoT 2018)*" held at NIT Agartala, India during 14-15 December 2018.
- [20]. Rajesh Panda, **Prashant Kumar Tiwari**, Subhojit Dawn, "A wind integrated bidding model in day-ahead and real-time market considering regulating price in a deregulated power market", *SCOPUS Indexed International Conference on New Technological Opportunities in Networking and Sciences (NEWTONS-18)*, 8-10 June 2018, SIT Pithoragarh, India
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