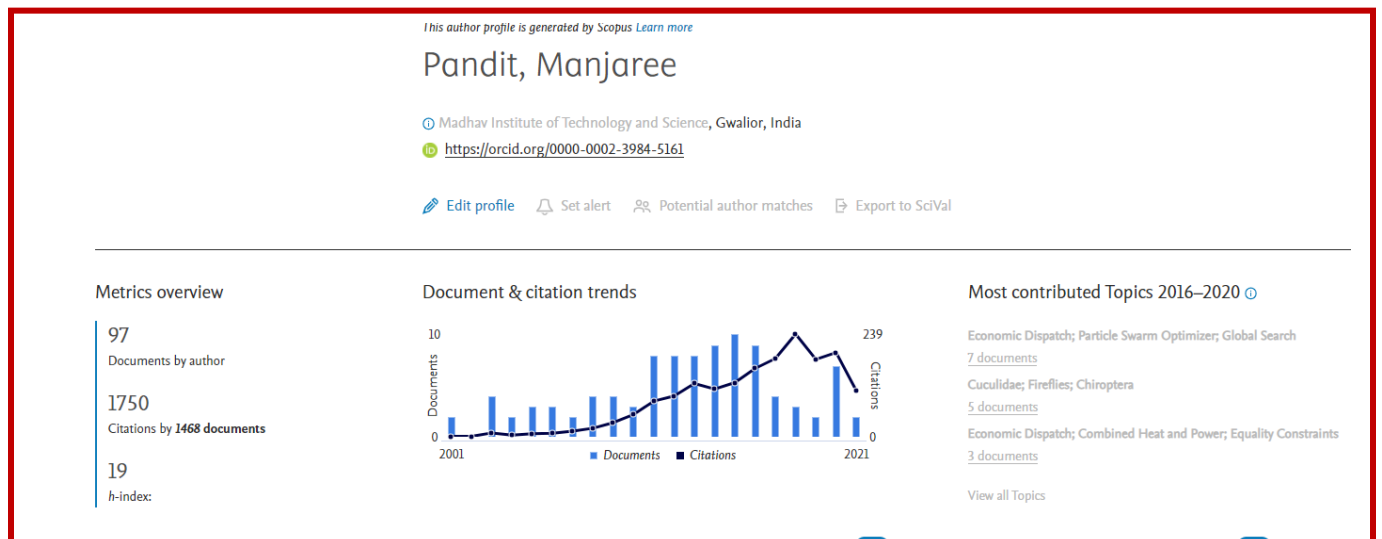




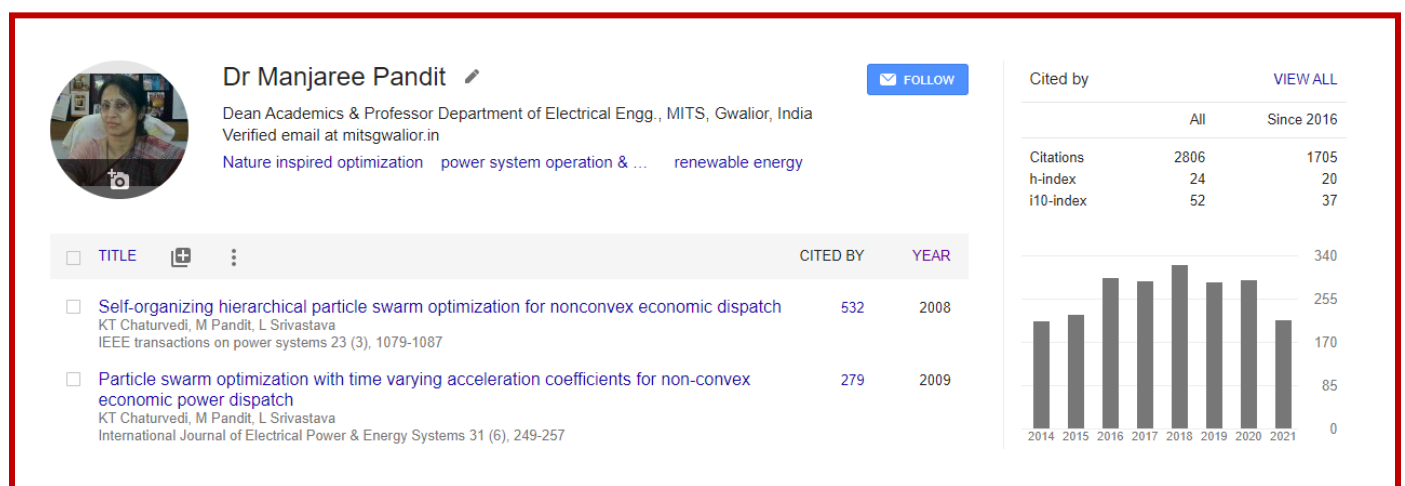
RESUME

Name	Dr. MANJAREE PANDIT		
Date of birth	16.11.63	ME Dissertations	68
Designation	Professor, Dean (Academics)	Ph.D Guided	06 Awarded; 08 ongoing
Experience	35 years	Book Chapters	28
International journal	66 papers	International Conferences	68 papers
<i>Edited Books: 03</i>		<i>Sponsored research projects: 09</i>	
Senior member of IEEE, Fellow of IE & IETE; Chairperson of ISTE Chapter of Institute			
Scopus h- Index: 19; No of Scopus papers: 97 ; Citations: 1750 (by 1468 documents)			
Google Citations: h-Index : 24; Citations: 2806 (i10 index:52)			
Academic Identity			
ORCID ID	Scopus Author ID	Researcher ID	Google scholar id
0000-0002-3984-5161	7004578630	R-2314-2018	d8OLhZIAAAJ

Scopus Index on 02/8/2021



GOOGLE citations on 02/8/2021



Awards Received

1. Received ISTE-Maharashtra Government National Research Award for work done by teachers of Engineering colleges, for year 2002
2. Received ISTE-Raja Rambapu Patil National Award for promising Engineering teacher for the year 2004
3. Certificate of Merit by Institution of Engineers, india, 2004
4. Received UGC post doctoral research award for 2 years (July 2009-June 2011) which included salary for 2 years and contingency for Rs. 3.0 lacs
5. Outstanding reviewer certificate for reviewing papers for “Energy” (Elsevier)in 2016
6. Outstanding reviewer certificate for reviewing papers for “Applied Energy” (Elsevier)in 2016
7. Outstanding reviewer certificate for reviewing papers for “Applied Soft Computing” (Elsevier) in 2017
8. Outstanding reviewer certificate for reviewing papers for “Engineering Applications of Artificial Intelligence” (Elsevier) in 2017
9. Outstanding reviewer certificate for reviewing papers for “Energy Conversion and Management” (Elsevier) in 2018
10. Top Peer reviewer award by Publons (Clarivate Analytics) on 17th September 2019 for being in top 1% of reviewers in Engineering during 2017-18
11. Top Peer reviewer award by Publons (Clarivate Analytics) on 17th September 2019 for being in top 1% of reviewers in Engineering during 2018-19
12. Top Peer reviewer award by Publons (Clarivate Analytics)) on 17th September 2019 for being in top 1% of reviewers in **Cross Field** during 2018-19

WORK AS EDITORIAL BODY MEMBER OF INTERNATIONAL JOURNAL

Associate Editor of Institute of Engineering and Technology (IET) “Journal of Engineering” (IET-JOE) October 2020

AREA OF RESEARCH

Neural networks & Fuzzy logic, Soft Computing Applications to Electrical Power System, Nature Inspired Optimization, Techno-economic assessment of Hybrid Renewable Energy Systems, Electrical Power System operation with Renewable Energy Resources

ADMINISTRATIVE EXPERIENCE

Head of the Department: TWO terms (04 years)

Dean (Academics) : 05 years till date

EMPLOYMENT RECORD

Institute	Designation	Period
MITS,Gwalior, India	Professor	From 17.09.2003 till date
	Reader	From 21.11.1996 to 16.09.03
	Lecturer (sr. scale)	From 21.11.91 to 21.11.1996
	Lecturer	From 21.11.85 to 21.11.1991

EDUCATIONAL RECORD

Institute	University	Degree	Year	Field of specialization
MANIT BHOPAL (Then MACT)	Bhopal University, Bhopal, M.P. India (now Barkatullah univ.)	B.E.	1984	Electrical
		M.E.	1989	Heavy Electrical Equipments
MITS, Gwalior	Jiwaji University, Gwalior, India	Ph.D.	2001	AI application to Power Systems

RESEARCH ACTIVITIES: SPONSORED PROJECTS HANDLED

Year	Organisation	Project Title	Amount received
1999 - 2002	AICTE, New Delhi	ANN Approach to Power system voltage stability assessment (Co-PI)	Rs. 3.75 Lakhs
2003-2006	UGC New Delhi	AI approach to power system security assessment (Co-PI)	Rs. 3.86 Lacs
2004-2007	DST, New Delhi	Integrated FNN approach to voltage security assessment of MP State Electricity Board system (PI)	Rs 10.92 Lacs
2006-2009	AICTE, New Delhi	Security assessment of a practical power network using soft computing techniques (PI)	Rs. 5.75 Lacs
2009-2011	UGC New Delhi	Power System Optimization And Security Assessment Using Soft Computing Techniques (PI)	Rs. 11.87 Lacs
2009-2011 & 2016	UGC New Delhi	Post doctoral fellowship	Rs. 24.7 Lacs
2010-2013	DST, New Delhi	Integrated Security Assessment of Power System Using Distributed Computing and its Enhancement (Co-PI)	13.74 Lacs
2012-2015	UGC New Delhi	Soft-Computing Techniques for Optimal Allocation of FACTS Devices to Improve Power System Performance (Co-PI)	11.53 Lakh
2017-2020	AICTE, New Delhi	Addressing Power System Operational Challenges with Renewable Energy Resources Using Nature Inspired Optimization Techniques	Rs. 12.35 Lakh

Ph.D Guidance

Ph.D Guidance (Awarded: 06)

S.No	Name of Students	Registration Date	Title/Area	Current Status	University
1.	K T Chaturvedi	Nov. 2005	Power system optimization and security assessment using soft computing techniques	AWARDED (January 2009)	RGPV BHOPAL
2.	Kirti Singh	27 TH Jan 2007	Operation and management of power system under restructured environment	AWARDED 7 th March 2013	
3.	Manisha Sharma	17 TH Aug 2009	Soft computing techniques for operation and control of modern power system	AWARDED 7 th August 2013	
4.	Hari Mohan Dubey	16.02.2012	Bio-inspired optimization techniques for Economic Dispatch in power system	Awarded 16.11. 2017	
5.	Archana Pathak	21.03.2012	Investigation on economic operation of CHP-wind Integrated Micro-grid employing Time Varying Differential Evolution algorithm	AWARDED ON October 11 th	MANIT, Bhopal

			(Jointly guided with Dr. Y. Kumar from MANIT, Bhopal)	2019	
6	Aayush Shrivastava	5 th May 2017	Protection schemes & optimal relay co-ordination for RE integrated power distribution grid (Jointly with Dr Devendra Saini, UPES, Dehradun)	THESIS SUBMITTED On 10 th December 2020 Successfully defended oral exam: 14 th June 2021	UNIV. OF PETROLIUM AND ENERGY STUDIES, DEHERADUN

Ph.D. Guidance (In process)


S.No	Name of Students	Registration Date	Title/Area	Current Status	University
1.	Roopali Parmar	19.02.2012	Congestion management in Power System	On going	RGPV Bhopal
2.	Sarika Varshney	24.02.2012	Integrated Security Assessment of Power System Using Distributed Computing and its Enhancement	On going	RGPV Bhopal
3.	Peeyoosh Gupta	22.01.2014	Economic operation of Power System with integration of renewable energy using nature inspired optimization techniques	RDC COMPLETED ON 12 TH AUGUST 2017 (Re-registration done)	RGPV BHOPAL
4.	Vishal Chaudhary	07.11.2014	Operational issues due to integration of renewable energy resources into the power system	RDC COMPLETED ON 12 TH AUGUST 2017 (Re-registration done)	RGPV BHOPAL
5.	Sunita Shukla	02.06.15	Investigation of dynamic economic dispatch problem with renewable energy sources	RDC COMPLETED ON 12 TH AUGUST 2017 (Re-registration done)	RGPV BHOPAL
6.	Nitin Saxena	25.08.2015	Optimal distributed generation allocation in power distribution network	Ph.D IN PROGRESS (Re-registration done)	RGPV BHOPAL
7.	Nikhil Paliwal	15.01.2018	Power system frequency and voltage control using intelligent computational techniques	Ph.D IN PROGRESS	RGPV Bhopal
8.	Poonam Singh		RDC completed	Ph.D IN PROGRESS	RGPV Bhopal

REVIEWERSHIP OF INTERNATIONAL JOURNALS

1. IEEE Transactions on Power Systems since 2002. : (91 reviews)
2. IEEE Transactions on Power Delivery since 2002 : (32 reviews)
3. IEE (now IET)Proc. Gen. transmission and Distribution, UK since 2001: (19 reviews)
4. Electric Power Systems research: **Recognized reviewer status: Total 18 papers reviewed)**
5. Swarm and Evolutionary Computation(Elsevier) (**Recognized reviewer status achieved: 36 reviews)**)
6. Journal of Institution of Engineers (India), Springer
7. Cognitive Computation, Springer since its inception in 2009 (**32 reviews)**)
8. International Journal of Electrical Power and Energy Systems, Elsevier (**Recognized reviewer:21 reviews)**)
9. Applied soft computing, Elsevier (**Outstanding reviewer status achieved: Total 88 reviews)**)
10. Engineering applications of artificial intelligence (EAAI), Elsevier (**Outstanding reviewer status achieved: 23 reviews)**)

11. Energy conversion and management (ECM), Elsevier (Recognized reviewer status: 19 reviews)
12. Energy, Elsevier (Outstanding reviewer status achieved: Total 04 reviews)
13. Applied Energy, Elsevier (Outstanding reviewer status achieved: Total 11 reviews)
14. Electric Power Components & Systems, Taylor & Francis (06 reviews)
15. Neural computing and applications, Springer (Total 06 reviews)
16. IET Proceeding on Renewable Power Generation: (30 reviews)
17. IET Proceeding on Smart Grid: (04 reviews)
18. IET Smart cities: 03
19. Neurocomputing, (Elsevier)
20. IEEE Transactions on Industrial informatics
21. European Transactions of power systems (ETEP), Wiley
22. Iranian Journal of Fuzzy systems
23. International Journal of Engineering Sciences and technology (IJEST)
24. Expert Systems with Applications(Elsevier)
25. Frontiers in Energy (Reviewer)
26. Applied Artificial Intelligence (Taylor and Francis)
27. Mathematical Problems in Engineering(Hindawi)
28. International Journal of Energy Sector Management
29. Soft Computing (Springer)
30. Electric Power Components and Systems (Taylor & Francis)
31. Energy ((Elsevier)
32. IEEE Access
33. International transactions on Electrical Energy Systems (Wiley)

Reviewer Profile on publons



Manjaree Pandit

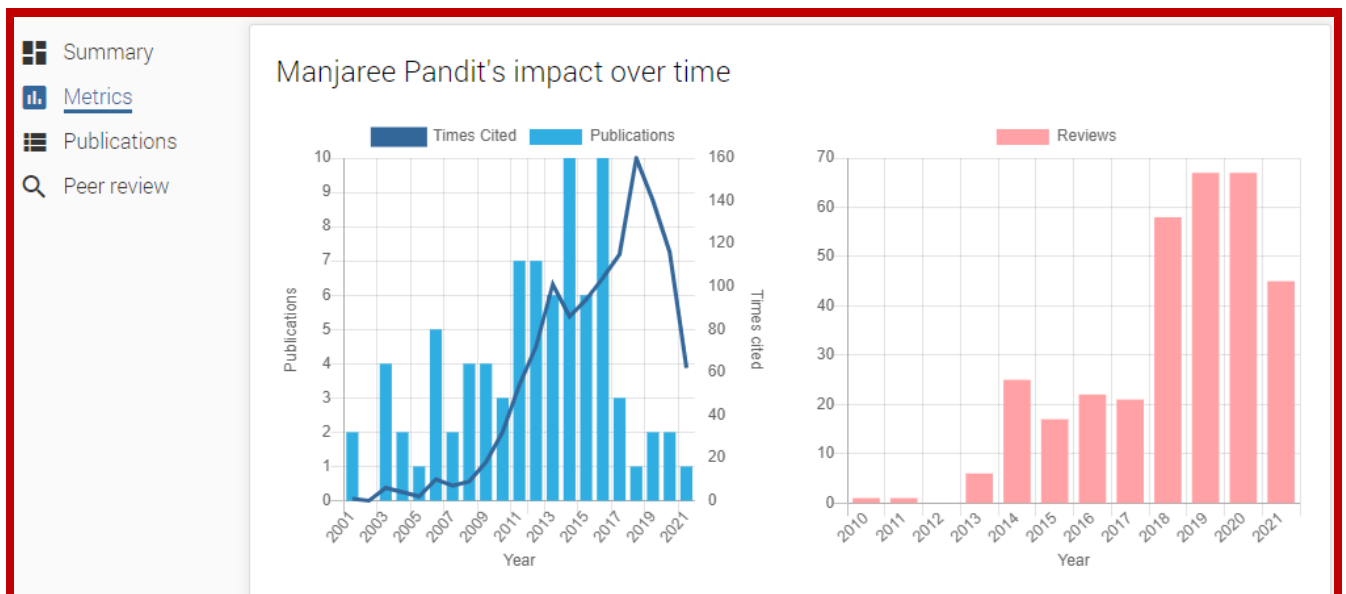
"M. Pandit"

Top peer reviewer

Madhav Institute of Technology and Sciences, Gwalior

Web of Science ResearcherID[®]
R-2314-2018

PUBLICATIONS	TOTAL TIMES CITED	H-INDEX	VERIFIED REVIEWS
83	1,193	16 [®]	330



publons BROWSE COMMUNITY FAQ

Manjaree Pandit

Verified reviews

- (36) Applied Soft Computing WOS
- (30) IET Renewable Power Generation WOS
- (25) Cognitive Computation WOS
- (23) IEEE Transactions on Power System... WOS
- (22) Engineering Applications of Artificial Intelligence WOS
- (22) IEEE Access WOS
- (19) Journal of The Institution of Engineers (India) WOS
- (16) IET Generation, Transmission & Distribution WOS
- (14) Swarm and Evolutionary Computation WOS
- (11) Energy Conversion and Management WOS
- (11) Neural Computing and Applications WOS
- (10) Applied Energy WOS
- (10) Electric Power Systems Research WOS
- (9) Electric Power Components and Systems WOS
- (8) Energy WOS
- (6) Expert Systems with Applications WOS
- (6) International Journal of Electrical Power and Energy Systems WOS
- (6) International Transactions on Electrical Energy Systems WOS
- (6) The Journal of Engineering WOS
- (5) IEEE Transactions on Power Delivery WOS
- (4) Artificial Intelligence Review WOS
- (4) IET Smart Grid WOS
- (3) IET Electrical Systems in Transportation WOS
- (3) IET Smart Cities
- (2) Complexity WOS
- (2) IEEE Transactions on Industrial Informatics WOS
- (2) Journal of Heuristics WOS
- (2) Neurocomputing WOS
- (2) Soft Computing WOS
- (2) Sustainable Energy Technologies and Applications WOS
- (1) Energy Reports WOS
- (1) Energy Storage
- (1) International Conference on Electrical and Electronic Engineering WOS
- (1) International Journal of Computing and Information Science WOS
- (1) International Journal of Energy Sector WOS
- (1) Iranian Journal of Science and Technology WOS
- (1) Journal of Ambient Intelligence and Smart Computing WOS
- (1) Journal of Modern Power Systems and Clean Energy WOS

REVIEWER & PROGRAMME COMMITTEE MEMBER OF INTERNATIONAL CONFERENCES: 23 NUMBERS

- [1] **Programme Committee member** of World congress on Information and Communication technologies 2011 (WICT 2011) to be held at Mumbai 11th -14th December 2011
- [2] **Programme Committee member** of International conference on soft computing for problem solving (SocProS 2011), December 20-22, 2011 at The Institution of Engineers (India), Roorkee Local Centre, IIT Roorkee.
- [3] **Programme Committee member** of IEEE International Conference International Conference on Computational Intelligence and Communication Networks (CICN 2011).
- [4] **Technical Committee member** for IEEE International Conference on Energy, Automation, And Signal (ICEAS-2011) 28-30 December, 2011 at Bhubaneswar, Orissa, India, 28-30 December, 2011.
- [5] **Programme Committee member** of Seventh International Conference on Bio-Inspired Computing: Theories and Application, (**BIC-TA 2012**) to be held in ABV-IIITM Gwalior
- [6] **Programme Committee member** of IEEE Sponsored International Conference on “**Control, Automation, Robotics and Embedded System**”, **CARE-2013, to be held** in Indian Institute of Information Technology , Design and Manufacturing, Jabalpur, Dec 16-18, 2013

- [7] **Programme Committee member** of IEEE Sponsored Fifth International Conference on Computational Intelligence and Communication Systems, **CICN-2013**, September 27-29, 2013.
- [8] **Programme Committee member** of the 9th International Conference on Bio-inspired Computing: Theories and Applications (**BIC-TA 2014**) to be held on 16th —19th October, 2014, Wuhan, China
- [9] **Programme Committee Member** 14th IEEE Students' Conference on Electrical, Electronics and Computer Science (**SCEECS**) to be held at MANIT, Bhopal on 1st-2nd March 2014
- [10] **Technical Programme Committee Member** of IEEE International Conference on Recent Advances and Innovations in Engineering, Organized by Poornima College of Engg., Jaipur, India, Poornima University, Jaipur, India (**ICRAIE-2014**), 09-11, May – 2014
- [11] **Technical Programme Committee Member** of IEEE Sponsored International Conference on Energy Economics and Environment ICEEEE-2015 to be held from March 27-28, 2015 at Greater Noida, India
- [12] **Programme Committee member** of the 10th International Conference on Bio-inspired Computing: Theories and Applications (**BIC-TA 2015**) to be held on September 25-28, 2015, Hefei, China.
- [13] **Programme Committee member** of the **ICEPES-2016** (IEEE International Conference on Electrical Power and Energy Systems) to be held on December 14-16, 2016 at Department of Electrical Engineering, MANIT, Bhopal
- [14] **Programme Committee member** of the Second IEEE International Conference on Recent Advances and Innovations in Engineering 2016 (**ICRAIE-2016**) to be held at Poornima College of Engg., Jaipur, India, Poornima University, Jaipur, India, 23-25, December – 2016
- [15] **Programme Committee member** of the of the 12th International Conference on Bio-inspired Computing: Theories and Applications **BIC-TA-2017** December 1st --3rd, 2017, Harbin, China
- [16] **International Advisory Committee Member** of International conference on “Advanced Engineering Optimization through Intelligent Techniques (AEOTIT)” during 01-05 August 2018.
- [17] **Program committee member of** International Conference on Energy Conservation & Efficiency, ICECE 2018 to be held on 16-17 October 2018 at Faletti’s Hotel, Lahore, Pakistan in collaboration with Punjab Government PEECA and in technical co-sponsorship of IEEE IAS (Industrial Applications Society, USA).
- [18] **Programme Committee member** of the International Conference on Engineering, Mathematical and Computational Intelligence (ICEMCI 2019) held at Jabalpur Engineering College, Jabalpur, India, December 21-23, 2019
- [19] **Coordinator and Organizing Chair for AICTE sponsored International Conference ICSISCET-2019** under TEQIP-III, in collaboration with DTU, Delhi at MITS, Gwalior during 02-03 November, 2019
- [20] **Member of Technical Advisory Committee Member**, First IEEE International Conference on Smart Technologies for Power, Energy and Control (STPEC-2020) organized by VNIT, Nagpur, 2020) on 25 – 26 September 2020
- [21] **Chaired a session on Power System and Smart Grid** on 25th September in First IEEE International Conference on Smart Technologies for Power, Energy and Control (STPEC-2020) organized by VNIT, Nagpur, 2020) on 25 – 26 September 2020
- [22] **Coordinator and Organizing Chair of AICTE, New Delhi sponsored Second International Conference** on Sustainable and **Innovative** Solutions for Current Challenges in Engineering & Technology (ICSISCET-2020) under TEQIP-III, in collaboration with DTU, Delhi at MITS, Gwalior during 18-19 December, 2020
- [23] **Member of the advisory committee** of IEEE ICEPES 2021 International Conference from 10-11 December 2021 organized by the Department of Electrical Engineering MANIT, Bhopal in association with SLIET Longowal

MEMBERSHIP OF TECHNICAL SOCIETIES/ACADEMIC BODIES: 08 nos

- **Senior Member of Institution of Electrical and Electronics Engineers (IEEE),U.S.** by the Board of Directors of the IEEE on 15th February 2014(No. 85029037)
- Member of IET: 1100527995
- Chairperson of ISTE (Indian society for Technical Education) chapter of MITS Gwalior:
- Life member of Indian Society for Technical Education- LM8335
- Fellow of Institution of Electronics and Telecommunication Engineers (IETE): F-166140
- Fellow of Institution of Engineers (IE, India) F-110781/6
- Chairperson of the Board of studies (Electrical and Electronics) of R.G.P.V, Technical University, Bhopal, India (July 2008-July2012)
- Coordinator of IET-UK-Academic affiliate partnership programme at MITS Gwalior

INVITED (EXPERT) LECTURES: 49 nos

1. Delivered **expert talk** on *“Quality assurance in accreditation: needs and attributes”* in the AICTE sponsored National workshop on **Quality Management** at MITS Gwalior during 16-17th February 2008
2. Invited guest of honor at Sri Ram Engg College of Technology and Management on International women’s day 08/03/2008
3. Delivered **expert talk** on “Teaching-Learning Processes: Current Status and Future Needs”, in the AICTE sponsored National workshop on **Quality Management** at MITS Gwalior during 06-07th March 2009.
4. Delivered **expert lecture** on “Soft computing techniques) in National conference on **Electronics and Communication**, at MITS Gwalior, India during 22-24th March 2010.
5. Delivered **expert lecture** in short-term training programme on **Evolutionary computing and simulation techniques in engineering**, during 2nd July-6th July, 2012 conducted by **MANIT, Bhopal**, India on July 3rd 2013.
6. Delivered **expert lecture** in **DST sponsored National Programme** for Training of Scientists & Technologists Working in Government on “Soft Computing Techniques for Optimization” conducted **by ABV-IIITM Gwalior, India**” on March 5th 2013.
7. Invited guest of honor at Sri Ram Engg College of Technology and Management on International women’s day 08/03/2013
8. Delivered expert lecture on “Bio inspired computation” in **TEQIP Sponsored short term training program conducted by MANIT Bhopal** on Evolutionary Computing and Simulation Techniques in Engineering Applications 1-5 July 2013 under TEQIP on July 3rd 2013.
9. Delivered expert lecture in **DST sponsored National Programme** for Training of Scientists & Technologists Working in Government on Soft Computing Techniques for Optimization held at ABV-IIITM Gwalior during 17-21, Feb 2014.
10. **Chaired a session** on “Power energy and high voltage Engineering” in The Ninth International Conference on Industrial and Information Systems (ICIIS-2014), held at ABV-IIITM, Gwalior, 15-17th December, 2014
11. **Delivered invited lecture** in the inaugural session of National Symposium on Challenges for Science and Technology in 21st Century: National Perspective” on 26-27 Feb. 2015 at RJIT, Tekanpur, Gwalior.

12. **Delivered invited lecture** in 2nd National Women Conference – 2015 on ‘Women in Science – Promoting Excellence and Innovation for Future Development’ held during on March 25-27, 2015 at Jiwaji University, Gwalior
13. **Delivered expert lecture** in AICTE sponsored (QIP grant) two-week short term course on “Recent Advances in Microwave Engineering”, organized by the Department of Electronics Engineering during 4th Jan-15th Jan 2016.
14. Delivered **Keynote address** AICTE sponsored (QIP grant) two-day National Conference on “Recent Advances in Electronics and Communication Engineering” organized by the Department of Electronics Engineering during 4th-5th March 2016.
15. Delivered **expert lecture** in AICTE sponsored (QIP grant) two-week short term course on” Environmental Engineering and Practices”, organized by the Department of Civil Engineering during 8th-18th March 2016.
16. Delivered **expert lecture** in TEQIP-II sponsored Short-term training programme on “Advances in Electrical Engineering” organized by the Department of Electrical Engineering during 1st-5th March 2016.
17. Delivered **expert lecture** on “Quality Initiatives in Technical & Higher Educational Institution” in DST sponsored FDP organized by the Entrepreneurship Cell of MITS Gwalior from 7th -21st October 2016
18. Delivered **expert lecture** on “Role of Teachers in Shaping the Careers and Entrepreneurial Skills of Students” in DST sponsored FDP organized by the Entrepreneurship Development Cell of MITS Gwalior from 4th -17th January 2017
19. Delivered **expert lecture** on” Enhancement of Teaching-Learning Methodologies” in AICTE-QIP sponsored short-term course” on Enhancement of teaching learning practices” held from 27th Feb-9th March, 2017 at MITS, Gwalior on 8th March 2017
20. Delivered **expert lecture** on” Hybrid Solar-Wind Microgrids” in AICTE-QIP sponsored short-term course on” Solar Power Application,” organized by Department of Mechanical Engineering, held from 28th Feb-10th March, 2017 at MITS, Gwalior on 9th March 2017
21. Delivered **expert lecture** on “Extreme Pedagogy for Shaping Careers and skills of Students”, in two-week DST sponsored FDP organized by the Entrepreneurship Development Cell of MITS Gwalior on 8th March 2017
22. Delivered expert lecture on “Nature inspired computation and applications-I”, in AICTE-QIP sponsored short-term course on Recent Advances in Microwave Engineering, March 20th 2017
23. Delivered expert lecture on “Nature inspired computation and applications-II”, in AICTE-QIP sponsored short-term course on Recent Advances in Microwave Engineering, March 21st 2017
24. Keynote address in National Conference on Advanced Technologies in Renewable Energy (NCATRE-17) at Technocrats Institute of Technology, Bhopal, on 3rd May 17.
25. Delivered expert lecture on “Outcome Based Education in Technical & Higher Educational Institutions” on 12th October 2017 in two-week DST sponsored FDP organized by the Entrepreneurship Development Cell of MITS Gwalior from 7th October-20th October 2017
26. Delivered expert lecture on “Self Learning” on 11th January 2018 in two-week DST sponsored FDP organized by the Entrepreneurship Development Cell of MITS Gwalior from 9th January-19th January 2018
27. Delivered expert lecture on “Outcome Based Education & NBA Accreditation”, in AICTE-QIP Short-term Course (STC) from 10th March to 14th March 2018 on “Assuring Global Quality in Technical Education through Outcome Based Education” under the IQAC at MITS, Gwalior.
28. Delivered expert lecture on ”NI Techniques and their Engineering Applications with MATLAB implementation” in one-week AICTE-QIP Short-term Course (STC) on “Numerical Application to Electromagnetics" on 29th January 2018
29. Delivered expert lecture on "Optimization techniques and its Engineering Applications", in one-week AICTE-QIP Short-term Course (STC) on “Nature Inspired Optimization and its MATLAB implementation” on 17th March 2018

30. Delivered expert lecture on "Hybrid wind-solar Micro-grid" in RGPV-TEQIP-III sponsored one-week FDP on "Emerging Technologies for Smart Cities", on 29.3.18 at Vikrant Inst. of Tech. & Management, Gwalior.
31. Delivered expert lecture on "Artificial Neural Network & Fuzzy Neural Models for Large Networks" in One week Faculty Development Programme on Recent Advances in Machine Learning, organized by the School of Information Technology, **UTD, RGPV, Bhopal from 3rd to 7th October 2018**
32. Delivered expert lecture on "Nature Inspired Optimization For Engineering Problems" on 08th January 2019, in one-week AICTE-QIP Short-term Course (STC) on "Radio Frequency and Microwave Antennas" organized by the Department of Electronics, MITS, Gwalior from 5th to 09th January 2018
33. Delivered expert lecture on "Start-up Movement: Role in Producing Entrepreneurs" on 9th January 2019 in the two-week DST sponsored FDP on "Promoting Entrepreneurship Activities in Science & Technology Institutions" from 5th January-18th January 2019 organized by the Entrepreneurship Development Cell of MITS Gwalior
34. Delivered expert lecture on "Nature Inspired Optimization For Engineering Problems" on 08th January 2019, in one-week AICTE-QIP Short-term Course (STC) on "Radio Frequency and Microwave Antennas" organized by the Department of Electronics, MITS, Gwalior from 5th to 09th January 2018
35. Delivered expert lecture on "Improved Differential Evolution Variants", at QIP-STC on Inspired Optimization For Engineering Problems, organized by EED-MITS GWALIOR on 14/2/19
36. Delivered expert lecture on "Quality Improvement Through Skill Based Learning" in Faculty Development Programme on "Role of entrepreneurship in establishing new start-ups" on 24th August 2019, sponsored by NSTEDB, DST, GoI, and organized by the Entrepreneurship Development Cell of MITS Gwalior.
37. Delivered expert talk on International Conference on Advances in Energy Management (ICAEM) 2019 jointly organized during 20-21 December 2019 by Rajasthan Technical University, Kota and Jodhpur Institute of Engineering and Technology JIET, Jodhpur, at JIET Jodhpur Rajasthan India
38. Delivered expert talk on "Role of Internet of Things(IoT) in Microgrid", in 5- days online Workshop on The Internet of Things (IoT): Introduction and Applications, under AICTE Training and Learning, (ATAL) Academy, organized by Department of Electrical Engineering, MANIT, Bhopal from 4th -8th May 2020
39. Delivered expert talk on "Digital Teaching-Learning & Evaluation" in 3-day virtual workshop from 9th -11th July 2020 conducted by MITS Gwalior in collaboration with DTE, Bhopal, on Effective Use of e-learning Platforms for Teaching & e-contents Developments Tools
40. Delivered expert talk on "Implementation of Bloom Taxonomy in Online Teaching" in 3-day virtual workshop from 9th -11th July 2020 conducted by MITS Gwalior in collaboration with DTE, Bhopal, on Effective Use of e-learning Platforms for Teaching & e-contents Developments Tools
41. Delivered expert talk on "Energy Management of Hybrid Renewable Energy Based Microgrid Using Internet of Things", in one-week online FDP (7th -11th September 2020) on "Opportunities and Challenges in Emerging Technologies of Electrical Power System" Organized by Department of Electrical Engineering, Jabalpur Engineering College, Jabalpur
42. Delivered expert talk on "Evolution of nature inspired computational techniques and emerging application areas", in FDP on "Application of Soft Computing Techniques in Engineering Optimisation" Organised By UIT, RGPV Bhopal 14th to 18th September 2020
43. Delivered expert talk on 22nd September "Evolution of Hybrid nature inspired algorithms" in 5- Day FDP (21st to 25th September 2020) on "Advances In Nature Inspired Algorithms", Organised By Geetanjali Institute Of Technical Studies, RTU Kota, Rajasthan
44. Delivered address as one of the panelist, on "Challenges in Academic Leadership Development" on 7th November 2020 in "International Summit on Quality Indices in Higher Education (ISQIHE 2020) from 6-7 November 2020" organized by Delhi Technological University, Delhi (DTU) and Engineering Staff College of India (ESCI) {Track3: Governance, Policy & Leadership in Higher Education}
<https://www.youtube.com/watch?v=rQ9H8dakRcY&t=961s>

45. Delivered expert talk on “Evolution of nature inspired optimization algorithms and applications” on 4th December 2020 in AICTE Sponsored STTP on “Application of Artificial Intelligence in Electrical and Electronics Engineering”, Organised By Electrical & Electronics Department, LNCT GROUP, Bhopal From 30th Nov – 5th December 2020
46. Delivered two expert talk sessions on “AI Based Hybrid Hybrid Optimization Algorithms”, FDP on “AI Techniques for Solving Engineering Problems”, on 24th February 2021 organised By Department of Electrical engineering, UIT, RGPV Bhopal under the AICTE-RGPV Joint Teachers Training Program (TTP) from 22nd to 25th February 2021
<https://www.youtube.com/watch?v=oA2R7uwYO4c>
47. Delivered expert talk on the topic “Learner centric digital teaching-learning and evaluation” on 12th April 2021 in AICTE-ISTE Refresher Program on “Learner Oriented Teaching Methods (Phase-II) conducted by IPS College of Technology and Management, Gwalior during April 07-13, 2021”.
48. Keynote address delivered in IETE Zonal Seminar & ISF Congress in Virtual mode on “Next Generation Communication Systems”, on 17 May, 2021
49. Delivered expert talk on the topic “An Introduction to Machine Learning and Data Analytics” on 12th July 2021 at One-Week Faculty Development Program on **Data Analytics and Machine Learning Using Python**, from 12th -16th July, 2021, organized by School of Information Technology, Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal Sponsored by AICTE-Training & Learning (ATAL) Academy

EXPERT MEMBER

- **NATIONAL BOARD OF ACCREDITATION TEAMS) : 12 times member of expert team**
- **PSC/UNION PUBLIC SERVICE COMMISSION (UPSC) ASSIGNMENTS/OTHERS**
- **RESOURCE PERSON IN ORGANIZING TECHNICAL EVENTS, CONFERENCES, WORKSHOPS etc: 33 Nos**

NBA AND OTHER WORKSHOPS ATTENDED

- Attended 2-day orientation workshop for expert members of accreditation committee, conducted by National Board of Accreditation (NBA) from 27th to 28th May 2011 at NITTTR, Bhopal.
- Attended 1-day orientation workshop for expert members of accreditation committee, conducted by National Board of Accreditation (NBA) on 26th December 2011 at NSIT, New Delhi.
- One day orientation workshop for expert members of accreditation committee, conducted by National Board of Accreditation (NBA) on 28th March 2012 at NSIT, New Delhi
- Workshop on quality initiatives in technical and higher educational institutions (in compliance with NBA and NAAC accreditation), 03-05 May, 2016 at Engineering staff College of India (ESCI), Hyderabad
- Technical Education Quality Improvement (TEQIP) Conclave in Electrical Sciences, 24th -25th September 2016, at IIT Gandhi Nagar
- Renewable Energy Generation- Integration with Grid and Storage Batteries” during June 05-08, 2018 at Engineering staff College of India (ESCI), Hyderabad

- Attended the 4th World Summit on Accreditation (WOSA-18) organized by National Board of Accreditation (NBA) from 7th to 9th September 2018 at Ashok Hotel, Delhi.
- Attended one-day seminar on “Smart Village” under the aegis of FI-Media EU-India initiative, on 13th November 2018, organized at ABV-IIITM, Gwalior.
- Professional Development Training For TEQIP Institutions, from 28th Jan -1st Feb 2019 at IIM, Kozhikode
- A one-day workshop on “Outcome Based Education (OBE) & Accreditation process” organized by Prof. Vikas Rastogi, Delhi Technological University (DTU), Delhi at MITS Gwalior on 19th July 2019.
- NBA Orientation Workshop on Outcome Based Education and Accreditation for Program Evaluators (PEVs) at India Habitat Centre, New Delhi on 31st August 2019
- Webinar on 23rd May 2020 at 11.00 to 12.30 pm on ”Bio-inspired approaches to multidimensional optimization” By Dr Raghvendra Kulkarni, Ramaiya University of Applied Sciences, Bangaluru
- “IEEE - ABET Webinar on Accreditation and Quality of Engineering Education in South Asia” organized by IEEE India Council conducted on 08 July 2020
- Webinar on “The growth of Women Empowerment in Virtual Era” organized by the IEEE Madhya Pradesh sub-section , IETE (Bhopal & Gwalior) & Institution of Engineers India on 13th September 2020 (Resource person: Dr. Muthmainnah, Education Expert, Centre for Women Studies, University AI Asyariah, Mandar, Indonesia)
- Coordinated a Webinar on “Challenges to Technical Education in pandemic times” dated 24.09.2020
- Organised interactive national workshop series in collaboration with Manav Rachana University, Faridabad, Haryana on "Transition from traditional to blended learning: Challenges & Opportunities-I & II” on 23rd & n 30th January 2021.[Resource persons: Prof. R.K. Singh, Prof. I.K. Bhatt & Prof. Geeta Thakur.

EVENTS/PROGRAMMES/STTPs/FDPs/ SEMINARS/CONFERENCES CONDUCTED: 26

- ❖ **ISTE SHORT TERM TRAINING PROGRAMME (STTP) CONDUCTED AS COORDINATOR FOR TEACHERS OF ENGINEERING COLLEGES** on “ANN AND FUZZY LOGIC APPLICATIONS TO ELECTRICAL ENGINEERING”, (JANUARY 19TH 2004 TO JANUARY 25TH 2004)
- ❖ **Conducted as Convener AICTE sponsored National Conference on Advances in Electrical Engineering** 29-30 November 2006
- ❖ **Setting up of ISTE Students Chapter at MITS Gwalior and convener of NAVTAK-2003, National Student Level Technical talk on *New Trends and Technologies* on 15-09-2003**
- ❖ **Convener of Kshitiz 04, A National Students Technical talk, conducted by ISTE students chapter of MITS, 20th –21st February 2004.**
- ❖ **Convener of student level technical talk on Biomass and Bioenergy, conducted by the department of Mechanical Engineering and ISTE students chapter of MITS, 15th 2005 (Engineers day).**

- ❖ Convener of *Kshitiz 05*, A National Students Technical Symposium conducted by ISTE students chapter of MITS, 30th April 2005
- ❖ Coordinator of AICTE sponsored 15 days Staff Development Programme on Soft Computing Techniques and Their Engineering Applications for the faculty of engineering colleges, during January 25, 2010 to February 05, 2010.
- ❖ Co-coordinator of Madhya Pradesh Council of Science and Technology (MPCOST) sponsored Workshop on Quality assurance in Technical Education, 06-07th February 2010.
- ❖ Coordinator of **AICTE sponsored** 15 days Staff Development Programme on Evolutionary Computing Techniques for Numerical and Engineering Optimization for faculty members of AICTE approved institutions during December 12-December 23, 2011.
- ❖ Coordinator of 1-day Workshop on Renewable Energy Based Power Generation: Options and Challenges Under Technical Education Quality Improvement Programme Phase-II (TEQIP-II) on 14th September 2013
- ❖ Coordinator of 5-day Short Term Training Program (STTP) on Nature Inspired Optimization Techniques For Engineering Applications under TEQIP-II from December 2nd -6th, 2013
- ❖ Coordinator for 2-day National Workshop on “Quality in Technical education: A Challenge”, on 18th -19th November 2016 under TEQIP-II
- ❖ Coordinator for 1-day workshop on “Air conditioning: sizing and calculations” by Dr. Abhishek Asthana, IET Global Ambassador, Director of Hallam Energy, Sheffield Hallam University, U.K on 13th January, 2017
- ❖ Coordinator of the one-day workshop on “Intellectual Property Rights and Patents” on 04th February, 2017 under TEQIP-II in association with Institution of Engineering and Technology (IET) Student Chapter.
- ❖ Coordinator of one day National Workshop on “Smart Grid Technologies”, on 06th February, 2017 under TEQIP-II
- ❖ Coordinator of 2-week AICTE sponsored QIP-STC on “Quality Enhancement of Teaching– Learning Processes” from 27th February -9th March 2017.
- ❖ Coordinator of two-day workshop on "Effective Techniques of Question Paper Setting-An OBE Approach" organized under the IQAC at MITS, Gwalior during 7th -8th February 2018
- ❖ Coordinator of one-week AICTE sponsored QIP-STC on “Assuring Global Quality in Technical Education through Outcome Based Education” under IQAC at MITS, Gwalior from 10th -14th March 2018.
- ❖ Organized a one-day interactive Workshop on “*Requirements & Preparation for 2nd Cycle Accreditation by NAAC*” on 23rd February 2018 under the IQAC
- ❖ Organized a two-day workshop on "Effective techniques of Question Paper Setting-An OBE Approach" under the IQAC of the Institute during 7th – 8th February 2018

- ❖ In-house workshop on “Review of CO attainments and Gap Analysis for Improvement” was conducted under the IQAC on 22nd September 2018 at each Department.
- ❖ Coordinator of a two-day National Workshop on Advanced Optimization Techniques and Research Directions, (Resource Person: Dr.R.V. Rao, NIT Surat), under TEQIP-III, at MITS, Gwalior November, on 16-17, 2018
- ❖ Coordinator of two-day interactive workshop on “Bloom’s Taxonomy for Assessment Design” under IQAC, with TEQIP-III sponsorship on 13-14 August, 2019
- ❖ **Coordinator and General Chair** of AICTE, New Delhi **sponsored International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology** (ICSISCET-2019) under TEQIP-III, in collaboration with DTU, Delhi at MITS, Gwalior during 02-03 November, 2019
- ❖ Chief guest in "women leadership international summit" on the theme "Women Leadership in Science and Technology Development" jointly organized by IETE Bhopal Center, IEI and IEEE, M.P. Sub Section on 8th November 2020
- ❖ **Coordinator and Organizing Chair** of AICTE, New Delhi **sponsored Second International Conference** on Sustainable and **Innovative** Solutions for Current Challenges in Engineering & Technology (ICSISCET-2020) under TEQIP-III, in collaboration with DTU, Delhi at MITS, Gwalior during 18-19 December, 2020

RESEARCH PAPERS PUBLISHED

International Journals

- [1] Pandit M., Srivastava L., and Sharma, J., “Contingency ranking for voltage collapse using Parallel Self-Organizing Hierarchical Neural Network”, **Vol 23, No.5, pp. 369-379, 2001, *International journal of Electrical Power and Energy Systems***
- [2] Pandit M., Srivastava L. and Sharma, J., “Voltage Contingency Ranking Using Fuzzified Multilayer Perceptron”, **Vol. 59, No. 1, pp. 65-73, 2001, *Electric Power Systems Research***.
- [3] Pandit M., Srivastava L., and Sharma, J., “Two-Phase Neural Network Based Estimation of Degree of Insecurity of Power System” **Vol 29, Issue 4, pp. 489-503, 2003, *International Journal of Computers and Electrical Engineering***
- [4] Pandit M., Srivastava L. and Sharma, J., “Fast voltage contingency selection using fuzzy Parallel Self-organizing Hierarchical Neural Network”, **Vol.18, No. 2, May 2003, pp. 657-664, *IEEE Transactions on Power System***.
- [5] Pandit M., Srivastava L. and Sharma, J., “Cascade Fuzzy Neural Network Based Voltage Contingency Screening and Ranking”, **Vol. 67, Issue 2, November 2003, pp 143-152, *Electric Power Systems Research***.
- [6] Pandit M., Srivastava L. and Sharma, J., “Contingency Screening and Ranking For Voltage Collapse Using Hybrid Fuzzy Neural Network”, **Vol. 25, No. 2, 2005, pp. 102-111 , *International Journal of Power and Energy Systems***.

- [7] Pandit M., Srivastava L. and Sharma, J., “Voltage security assessment employing coherency based feature selection technique,” **Vol 14, No 1, March 2006, pp. 25-37, *International Journal of Engineering Intelligent Systems. (CRL publishing)***
- [8] Ram D., Srivastava, L., Pandit, M. and Sharma, J., “Corrective action planning using Radial Basis Function Neural Network, January 2007, *vol. 7*, pp.1055-1063, **2007, *International Journal of Applied Soft computing. (Elsevier)***
- [9] Pandit M., Srivastava L., Singh Vijay and Sharma, J., “Coherency Based Fast Voltage Contingency Ranking Employing Counterpropagation Neural Network”, **2007, vol 20, No. 8 pp 1133-1143, *Engineering Applications of Artificial Intelligence. (Elsevier)***
- [10] Krishna Teerth Chaturvedi, Manjaree Pandit and Laxmi Srivastava, “Modified Neo- Fuzzy Neuron Based Approach for Economic and Environmental Optimal Power Dispatch”, **vol. 8, issue 4, pp. 1428-1438, September 2008, *Applied soft computing (Elsevier)***
- [11] Krishna Teerth Chaturvedi, Manjaree Pandit and Laxmi Srivastava, “Self-Organizing Hierarchical Particle Swarm Optimization for Nonconvex Economic Dispatch” **vol. 23, No. 3, pp. 1079-1087, August 2008, *IEEE Transactions on Power System***
- [12] Krishna Teerth Chaturvedi, Manjaree Pandit and Laxmi Srivastava, “Hybrid Neuro-Fuzzy System for Power Generation Control with Environmental Constraints”, **vol. 49, issue 11, November 2008, pp. 2997-3005, *Energy conversion and management, (Elsevier)***
- [13] Krishna Teerth Chaturvedi, Manjaree Pandit and Laxmi Srivastava, “Particle Swarm Optimization with Crazy Particles for Nonconvex Economic Dispatch”, **vol. 9, issue 3, pp. 962-969, June 2009, *Applied soft computing (Elsevier)***
- [14] Krishna Teerth Chaturvedi, Manjaree Pandit and Laxmi Srivastava, “Particle Swarm Optimization with Time Varying Acceleration Coefficients for Nonconvex Economic Power Dispatch”, **vol. 31, No.6, pp. 249-257, July 2009, *International Journal of Electrical Power and Energy systems (Elsevier)***
- [15] Hari Mohan dubey, Manjaree Pandit and Rajeshwar Rao, “Implementation of space vector modulation technique for two-level inverter feeding induction motor” vol. 2, Issue 2, pp.55-60, December 2009, ***International Journal of Emerging Trends And Technologies in Engineering Technology And Sciences.***
- [16] Krishna Teerth Chaturvedi, Manjaree Pandit and Laxmi Srivastava, Jaydev Sharma and R.P. Bhatele, “Hybrid Fuzzy-Neural Network Based Composite Contingency Ranking Employing Fuzzy Curves for Feature Selection”, vol. 73, issue 1-3, pp. 506-516, December 2009, ***Neurocomputing (Elsevier)***
- [17] Hari Mohan Dubey, Manjaree Pandit and Jay Dev Sharma, “Transmission Expansion Planning in Restructured Power System: an Overview”, *Journal of electrical engineering, Romania (JEE)* on Industrial electric power system, vol.10, No: 4, pp: 41-48. 2010.
- [18] Manisha Sharma, Manjaree Pandit and Laxmi Srivastava, “Particle Swarm Optimization Based Approaches for Large Scale Multi-area Power Dispatch”, *International journal on power system optimization and control*, vol.2, no.1 (2010),pp. 63-73.

- [19] Manisha Sharma, Manjaree Pandit and Laxmi Srivastava, “Multi-Area Economic Dispatch with Tie-Line Constraints Employing Evolutionary Approach”, vol.2, No.3, 2010, pp.132-149, ***International Journal of Engineering, Science and Technology (IJEST)***, (Special Issue on Application of Computational Intelligence in Emerging Power Systems). DOI: 10.4018/jaec.2010070103
- [20] Manisha Sharma and Manjaree Pandit, “Reserve Constrained Multi-Area Economic Dispatch Employing Evolutionary Approach”, ***International Journal of applied evolutionary computation***, vol. 1, No. 3, July-September 2010, pp.49-69.
- [21] Kirti Pal, Manjaree Pandit and Laxmi Srivastava, “Optimal location of generator by using counter flow effects”, ***International journal on power system optimization and control***, vol.2, no.1 (2010), pp. 21-29.
- [22] Manisha Sharma, Manjaree Pandit and Laxmi Srivastava, “Reserve Constrained Multi-Area Economic Dispatch Employing Differential Evolution with Time-Varying Mutation”, vol. 33, No. 3, March 2011, pp.753-766. ***International Journal of Electrical Power and Energy systems (Elsevier)***
- [23] Gaurav Dixit, Hari Mohan Dubey, Manjaree Pandit and B.K. Panigrahi, “Economic Load Dispatch using Artificial Bee Colony Optimization”, ***International Journal of Advances in Electronics Engineering*** vol.1, No: 1, pp:119-124. 2011.
- [24] Manvendra Singh Kaurav, Hari Mohan Dubey, Manjaree Pandit and B.K. Panigrahi, “Simulated Annealing Algorithm for Combined Economic and Emission Dispatch” in ***International Journal of Advances in Electronics Engineering*** vol.1, No: 1, pp:172-178. 2011
- [25] Kirti Pal , Manjaree Pandit and Laxmi Srivastava, “Joint Energy and Reserve Dispatch in a Multi-area competitive Market Using Time-Varying Differential Evolution”, vol. 3, No.1, pp.87-106, 2011, ***International Journal of Engineering, Science and Technology (IJEST)***. Multicraft.
- [26] Rajkumari Batham, Kalpana Jain and Manjaree Pandit, “Improved Particle Swarm Optimization Approach for Nonconvex Static and Dynamic Economic Power Dispatch”, ***International Journal of Engineering, Science and Technology (IJEST)***, Vol. 3, No. 4, 2011, pp. 130-146 ; MultiCraft
- [27] Rameshwar Singh, Kalpana Jain and Manjaree Pandit, “Evolutionary versus conventional techniques for economic dispatch with discontinuous cost functions”, ***International Journal of Power System Analysis (IJPSA)***, vol.1, no.1, 2012, pp.18-27:CASER
- [28] Rajkumari Batham, Kalpana Jain and Manjaree Pandit, “Static economic dispatch employing an improved evolutionary technique”, ***International Journal of Power System Analysis (IJPSA)***, vol.1, no.1, 2012, pp.28-37:CASER
- [29] Nidhi Sharma, Kalpana Jain and Manjaree Pandit, “Artificial bee colony optimization for static economic emission dispatch”, ***International Journal of advanced computational methods and applications***, vol.1, No. 1, 2012, pp. 16-25, CASER
- [30] Sarika Varshney, Laxmi Srivastava and Manjaree Pandit, “ANN based integrated security assessment of power system using parallel computing” vol. 42, No. 1, November 2012, pp 49-59, ***International Journal of Electrical Power and Energy systems (Elsevier)***

- [31] Nicole Pandit, Anshul Tripathi, Shashikala Tapaswi and Manjaree Pandit , “An Improved Bacterial Foraging Algorithm for Combined Static/Dynamic Environmental Economic Dispatch”, *Applied Soft Computing*, volume 12, Issue 11, November 2012, Pages 3500-3513(*Elsevier*)
- [32] Devendra Bisen, Hari Mohan Dubey, Manjaree Pandit and B. K. Panigrahi, “Solution of Large Scale Economic Load Dispatch Problem using Quadratic Programming and GAMS: A Comparative Analysis”, *Journal of Information and Computing Science*, UK, Vol. 7, No. 3, 2012, pp. 200-211(World academic union)
- [33] Kamlesh Kumar Vishwakarma, Hari Mohan Dubey, Manjaree Pandit and B.K. Panigrahi, “Simulated annealing approach for solving economic load dispatch problems with valve point loading effects”, *International Journal of Engineering, Science and Technology*, vol.4, No.4, 2012, pp.60-72. (Multi-craft)
- [34] Kirti Pal, Manjaree Pandit and Laxmi Srivastava , “Market Power Monitoring Under open Access System”, *International Journal of Power and Energy Conversion*, Vol. 4, No. 3, 2013, pp. 193-220 (Inderscience publishers) DOI: 10.1504/IJPEC.2013.054843
- [35] Manjaree Pandit, Laxmi Srivastava and Kirti Pal, “Static/dynamic optimal dispatch of energy and reserve using recurrent differential evolution”, *IET proceedings, Generation, Transmission and Distribution*, vol. 7, Issue 12, pp. 1401-1414, 2013 doi: 10.1049/iet-gtd.2013.0127
- [36] Manjaree Pandit, Laxmi Srivastava, Manisha Sharma, H.M. Dubey, B.K.Panigrahi, “Large Scale Multi-zone Optimal Power Dispatch Using Hybrid Hierarchical Evolution Technique”, *IET Journal of Engineering* , IET digital library, DOI: [10.1049/joe.2013.0262](https://doi.org/10.1049/joe.2013.0262), Online ISSN 2051-3305
- [37] Hari Mohan Dubey, Manjaree Pandit, B.K. Panigrahi and Mugdha Udgir, Economic Load Dispatch by Hybrid Swarm Intelligence Based Gravitational Search Algorithm , *I.J. Intelligent Systems and Applications*, 2013, 08: 21-32.
- [38] Hari Mohan Dubey, B.K. Panigrahi and Manjaree Pandit , “Bio-Inspired Optimization for Economic Load Dispatch: A Review”, *International Journal of Bio-Inspired Computation(IJBIC)*, Vol. 6, No. 1, 2014, pp. 7-21. (*inderscience*) DOI: 10.1504/IJBIC.2014.059967
- [39] Hari Mohan Dubey, Manjaree Pandit, B.K. Panigrahi and Mugdha Udgir, “A fuzzified improved hybrid PSO-GSA for environmental/economic power dispatch”, *International Journal of Engineering, Science and Technology*, vol.6, No.4, 2014, pp.11-23. (Multi-craft)
- [40] Kirti Pal, Manjaree Pandit, “Incentive Charge Calculation Based on Counter Flow Effect”, *International Journal of Power and Energy Conversion* ,Vol. 5, No. 1, 2014, pp. 88-102. (Inderscience publishers)
- [41] B.K. Panigrahi, Manjaree Pandit, Hari Mohan Dubey, Ashish Agrawal, Wei-Chiang Hong, “invasive weed optimization for combined economic dispatch”, *International Journal of applied evolutionary computation*, 2014(IGI global). 5(1), January-March 2014, pp.1-18.
- [42] Akanksha Bhatt, Manjaree Pandit, Aayush Shrivastava, Hari Mohan Dubey, “Optimal Dynamic Dispatch of Wind Integrated Thermal Generators with Compressed Air Energy Storage”, *International Journal of Renewable Energy Research* vol. 4, No. 3, 2014, pp. 689-697.

- [43] Manjaree Pandit, Laxmi Srivastava, Manisha Sharma, “Environmental economic dispatch in multi-area power system employing improved differential evolution with fuzzy selection”, *Applied Soft Computing*, (Elsevier), Volume 28, March 2015, pp. 498-510 .[doi:10.1016/j.asoc.2014.12.027](https://doi.org/10.1016/j.asoc.2014.12.027)
- [44] H.M. Dubey, M. Pandit, B.K.Panigrahi, “A Biologically Inspired Modified Flower Pollination Algorithm for Solving Economic Dispatch Problems in Modern Power Systems”, *Cognitive Computation*, 2015, ([DOI 10.1007/s12559-015-9324-1](https://doi.org/10.1007/s12559-015-9324-1))
- [45] H.M. Dubey, M. Pandit, B.K.Panigrahi, “Hybrid Flower Pollination Algorithm with Time-varying Fuzzy Selection Mechanism for Wind integrated Multi-objective Dynamic Economic Dispatch”, *Renewable Energy*, vol. 83, (2015), pp.188-202
- [46] M. Pandit, Vishal Chaudhary, H.M. Dubey, B.K.Panigrahi, “Multi-period wind integrated optimal dispatch using series PSO-DE with time-varying Gaussian membership function based fuzzy selection”, *Electrical Power and Energy Systems*, vol. 73 (2015), pp. 259–272
- [47] Manjaree Pandit, Laxmi Srivastava, Manisha Sharma, “Performance comparison of enhanced PSO and DE variants for dynamic energy/reserve scheduling in multi-zone electricity market”, *Applied Soft Computing*, (Elsevier), pp.619–631, 2015
- [48] Rani Gupta, Manjaree Pandit, Hari Mohan Dubey, “MABC optimization for cost-emission dispatch using degree of satisfaction method” , published in *International Journal of Modern Trends In Engineering And Research (IJMTER)*, vol. 2, Issue 4;April 2015.
- [49] Sarika Varshney, Laxmi Srivastava and Manjaree Pandit, “A Distributed Computing Approach for Integrated Security Assessment of Power System”, *International Journal of Electrical Power and Energy Systems*, Vol.78, 2016, pp. 591-599
- [50] H.M. Dubey, M. Pandit, B.K.Panigrahi, “Ant lion optimization for short-term wind integrated hydrothermal power generation scheduling”, *Electrical Power and Energy Systems*, vol. 83, pp. 158–174, 2016
- [51] H.M. Dubey, M. Pandit, B.K.Panigrahi, “Hydro-thermal-wind scheduling employing novel ant lion optimization technique with composite ranking index”, *Renewable Energy*, vol. 83, (2016), pp.18-34
- [52] Praseon Kumar Agrawal, M. Pandit, H.M. Dubey, “Improved Krill Herd Algorithm with Neighborhood Distance Concept for Optimization”, *International Journal of Intelligent Systems and Applications*, vol. 11, Nov. 2016, pp. 34-50
- [53] Tushar Tyagi, Hari Mohan Dubey, Manjaree Pandit, “Multi-Objective Optimal Dispatch Solution of Solar-Wind-Thermal System Using Improved Stochastic Fractal Search Algorithm”, *I.J. Information Technology and Computer Science*, vol. 11, 2016, pp. 61-73
- [54] Nitin Tyagi , Hari Mohan Dubey, Manjaree Pandit , Economic load dispatch of wind-solar-thermal system using backtracking search algorithm, *International Journal of Engineering, Science and Technology*, vol. 8, No. 4, 2016, pp. 16-27
- [55] Archana Tiwari, Manjaree Pandit, Hari Mohan Dubey, Profit Maximization through Bid Based Dynamic Power Dispatch using Symbiotic Organism Search, *Journal of Information and computing Science*, vol. 12, No. 1, 2017, pp.03-13

- [56] Manjaree Pandit, Kalpana Jain, Hari Mohan Dubey and Rameshwar Singh, Large-Scale Multi-Area Static/Dynamic Economic Dispatch Using Nature Inspired Optimization, J. Inst. Eng. India Ser. B, 98(2), April 2017, pp.221–229, DOI 10.1007/s40031-016-0248-2, Springer
- [57] Archana Pathak, Manjaree Pandit, Y. Kumar, “Combined Economic Emission Dispatch in a Micro Grid: A Comprehensive Survey, International Journal of Applied Engineering Research”, Volume 12, No.(24), 2017 pp. 15876-15901 **[H-index:38 as on 8th Feb 2021]**
- [58] Hari Mohan Dubey, Manjaree Pandit, B.K. Panigrahi, “An overview and comparative analysis of recent bio-inspired optimization techniques for wind integrated multi-objective power dispatch”, Swarm and Evolutionary Computation, Volume 38, February 2018, Pages 12-34
- [59] Deepak Kumar Sharma, Hari Mohan Dubey, Manjaree Pandit, “Single and Multi-Area Optimal Dispatch by Modified Salp Swarm Algorithm”, Accepted in I.J. Intelligent Systems and Applications, vol. 3, pp. 18-26, 2020(Modern education and Computer Science Press) DOI: 10.5815/ijisa.2020.03.03 **[H-index:14 as on 8th Feb 2021]**
- [60] Aayush Shrivastava, Devender Kumar Saini, Manjaree Pandit, Relay Co-ordination optimization for integrated Solar photovoltaic power distribution Grid, April 2019, Cogent Engineering 6(1), **[H-index:18 as on 8th Feb 2021]**
<https://doi.org/10.1080/23311916.2019.1612601>
- [61] Aayush Shrivastava, Devender Kumar Saini, Manjaree Pandit, “Peer Review of renewable energy-based adaptive protection(s) & relay coordination optimization techniques”, Recent Advances in Electrical & Electronic Engineering, Bentham Science Publishers, April 2020 **[H-index:05 as on 8th Feb 2021]**
[DOI: 10.2174/2352096513999200430091230](https://doi.org/10.2174/2352096513999200430091230)
- [62] Aayush Shrivastava, Devender Kumar Saini, Manjaree Pandit, “Distribution grid parameter variation due to Solar PV power integration in distribution grid”, accepted in International Journal of Renewable Energy Research, Vol. 10, No. 3, September 2020, pp. 1125-1132, (Scopus indexed),
<https://ijrer.com/index.php/ijrer/article/view/10958/pdf>
- [63] PoonamSingh, ManjareePandit, LaxmiSrivastava, “Comparison of Traditional and Swarm Intelligence based Techniques for Optimization of Hybrid Renewable Energy System”, Renewable Energy Focus, doi.org/10.1016/j.ref.2020.06.010, (Available online since 3 July 2020, In Press, Journal Pre-proof) Volume 35, December 2020, Pages 1-9
- [64] Vishal Chaudhary, Hari Mohan Dubey, Manjaree Pandit, J.C.Bansal, “Multi-Area Economic Dispatch with Stochastic Wind Power using Salp Swarm Algorithm”, Array Volume 8, December 2020, 100044 (Available online since 11 September 2020) doi.org/10.1016/j.array.2020.100044
- [65] Nikhil Paliwal, Laxmi Srivastava, Manjaree Pandit, “Application of grey wolf optimization algorithm for load frequency control in multi-source single area power system”, **Evolutionary Intelligence**, <https://doi.org/10.1007/s12065-020-00530-5>, November 2020
- [66] Shukla S, Pandit M. Multi-objective fuzzy rank based scheduling of utility connected microgrid with high renewable energy using differential evolution with dynamic mutation. Int Trans Electr Energ Syst. 2021;e12787. <https://doi.org/10.1002/2050-7038.12788>

- [67] Nikhil Paliwal, Laxmi Srivastava, Manjaree Pandit, Equilibrium optimizer tuned novel FOPID-DN controller for automatic voltage regulator system, *International Transactions of Electrical Energy Systems*, 2021, <https://doi.org/10.1002/2050-7038.12930>
- [68] Salil Madhav Dubey, Hari Mohan Dubey, Manjaree Pandit, “Incentive-based demand response in grid-connected microgrid using quasi-opposed grey wolf optimizer”, *International Journal of Engineering, Science and Technology*, Vol. 13, issue 02, pp. 1-14, July 2021

International Journal (Short communication)

- [A]. Manjaree Pandit, Discussion of “Hybrid differential evolution with biogeography-based optimization for solution of economic load dispatch”, *IEEE Transactions on Power Systems*, vol. 27, No.1, February 2012, pp. 574
- [B]. Kalpana Jain and Manjaree Pandit, Discussion of “Reserve Constrained Multi-Area Economic Dispatch Employing Differential Evolution with Time-Varying Mutation” by Manisha Sharma et al. *International Journal of Electrical Power and Energy Systems*”, 33 March (2011) 753-766, vol. 39, pp.68-69,2012

National Journals

- [A]. Pandit M., Srivastava L. and Sharma, J., “ANN based voltage contingency screening and ranking using a novel feature selection technique”, vol 84, December 2003, pp 154-160, the *Journal of Institute of Engineers (India)*.
- [B]. Pandit M., Srivastava L. and Vijay Singh, “Fuzzy Neural Network Based Voltage Security Assessment with Structure and Weight Initialization”, the *Journal of Institute of Engineers (India)*, vol. 91, December, 2010, pp. 18-22.

EDITED BOOKS

- 1) Manjaree Pandit, Laxmi Srivastava, Ravipudi Venkata Rao, Jagdish Bansal, Edited book entitled “Nature Inspired Optimization for Electrical Power System”, editors, part of Algorithms for Intelligent Systems book series (AIS), Springer, ISBN 978-981-15-4003-5(Print) ISBN 978-981-15-4004-2 (eBook) <https://doi.org/10.1007/978-981-15-4004-2>
Available at : <https://link.springer.com/book/10.1007/978-981-15-4004-2>
- 2) Manjaree Pandit, Hari, Jagdish Bansal, edited book entitled “Intelligent Computing Applications for Sustainable Real-World Systems”, Proceedings of ICSISCET: International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology, ISBN 978-3-030-44757-1(Print) ISBN 978-3-030-44758-8 (eBook), <https://doi.org/10.1007/978-3-030-44758-8>
Available at : <https://link.springer.com/book/10.1007/978-3-030-44758-8>.
- 3) Harimohan Dubey, Manjaree Pandit, Laxmi Srivastava, Bijaya Ketan Panigrahi, “Artificial Intelligence and Sustainable Computing”, Proceedings of ICSISCET 2020, DOI: <https://doi.org/10.1007/978-981-16-1220-6> (e-book) ISBN 978-981-16-1220-6
<https://link.springer.com/book/10.1007/978-981-16-1220-6>

BOOK CHAPTERS: 28

- [1] Nicole Pandit, Anshul Tripathi, Shashikala Tapaswi and Manjaree Pandit , “Static/Dynamic Environmental Economic Dispatch Employing Chaotic Micro Bacterial Foraging Algorithm”,B.K. Panigrahi et al. (Eds.): SEMCCO 2011, Part I, LNCS 7076, pp. 585–592, 2011, © Springer-Verlag Berlin Heidelberg 2011
- [2] Kirti Pal, Manjaree Pandit and Laxmi Srivastava, “Market Power Assessment Using Hybrid Fuzzy Neural Network”, I. Jordanov and L.C. Jain (Eds.): Innovations in Intelligent Machines -3, SCI 442, pp. 15–36, springerlink.com © Springer-Verlag Berlin Heidelberg 2012
- [3] Hari Mohan Dubey, Manjaree Pandit, B.K. Panigrahi, “Cuckoo Search Algorithm for Short Term Hydrothermal Scheduling”, C.Kamalakkannan et.al (Eds.): Chapter 57, Power Electronics and Renewable Energy Systems, Lecture notes in Electrical Engineering, Volume 326, pp 573-589, 2015, doi: 10.1007/978-81-322-2119-7_57, © Springer India, 2015
- [4] Hari Mohan Dubey, Manjaree Pandit, B.K. Panigrahi, “Improved Flower Pollination Algorithm for Short Term Hydrothermal Scheduling”, B.K. Panigrahi et al. (Eds.): SEMCCO 2014, LNCS 8947, pp. 1–17, 2015. © Springer India, 2015, DOI: 10.1007/978-3-319-20294-5_62
- [5] Hari Mohan Dubey, B.K. Panigrahi, Manjaree Pandit, and Mugdha Udgir, “Gbest Guided Gravitational Search Algorithm for Economic Load Dispatch” in Swarm, Evolutionary, and Memetic Computing, B.K. Panigrahi et al. (Eds.): SEMCCO 2014, LNCS 8947, pp. 1–15, 2015 DOI: 10.1007/978-3-319-20294-5_61, © Springer India, 2015
- [6] Hari Mohan Dubey, Manjaree Pandit, B.K. Panigrahi and Tushar Tyagi ,Multi-objective power dispatch using stochastic fractal search algorithm and TOPSIS, Chapter No: 14, Book Title: Swarm, Evolutionary, and Memetic Computing, Springer ,Lecture Notes on computer science, LNCS 9873, pp. 1–13, 2016 , DOI: 10.1007/978-3-319-48959-9_14
- [7] Aayush Shrivastava, Manjaree Pandit, Devender Saini and Raj Gaurav Mishra, “Optimal Power Dispatch in Competitive Market”, Singh, Rajesh, Choudhury, Sushabhan (Eds.) published in Proceeding of International Conference on Intelligent Communication, Control and Devices Advances in Intelligent Systems and Computing, Springer Volume 479, pp. 1043, September 2016, ISBN 978-981-10-1708-7,
- [8] Kirti Pal, Laxmi Srivastava and Manjaree Pandit , “ Levenberg-Marquardt Algorithm Based ANN for Nodal Price Prediction in Restructured Power System”, Electricity Distribution, (Book), Springer Berlin Heidelberg, pp. 297-318, 2016
- [9] Vishal Choudhry, Hari Mohan Dubey, and Manjaree Pandit, Water Cycle Optimization for Non Convex Economic Dispatch, Advanced Engineering Optimization Through Intelligent Techniques, Springer, R. Venkata Rao and J. Taler (eds.), Springer Book Series on Advanced Engineering Optimization, https://doi.org/10.1007/978-981-13-8196-6_73
- [10] Anand Singh Tomar, Hari Mohan Dubey, and Manjaree Pandit, Multiobjective Economic Emission Dispatch with Cubic Cost Function using Spider Monkey Optimization and TOPSIS, Advanced Engineering Optimization Through Intelligent Techniques, R. Venkata Rao and J. Taler (eds.), Springer Book Series on Advanced Engineering Optimization, https://doi.org/10.1007/978-981-13-8196-6_72

- [11] Khushboo Sharma, H.M. Dubey, Manjaree Pandit Short-Term Hydrothermal Scheduling Using Gray Wolf Optimization, DOI:https://doi.org/10.1007/978-981-15-0222-4_22) published in Springer book Series Algorithms for Intelligent Systems, on “Advances in Computing and Intelligent Systems, pp. 253-270, Jan 2020 (proceedings of International Conference on Advancements in Computing & Management, (ICACM-2019), on April 13-14, at Jagannath University, Jaipur)
- [12] Parmar R., Wadhvani S., Pandit M. (2020) Modified Flower Pollination Algorithm for Optimal Power Flow in Transmission Congestion. In: Agarwal S., Verma S., Agrawal D. (eds) Machine Intelligence and Signal Processing. MISIP 2019. Advances in Intelligent Systems and Computing, vol 1085. Springer, Singapore, DOI: [10.1007/978-981-15-1366-4_15](https://doi.org/10.1007/978-981-15-1366-4_15)
- [13] Shukla S., Pandit M. (2020) Mixed-Integer Differential Evolution Algorithm for Optimal Static/Dynamic Scheduling of a Microgrid with Mixed Generation. In: Pandit M., Dubey H., Bansal J. (eds) Nature Inspired Optimization for Electrical Power System. Algorithms for Intelligent Systems. Springer, Singapore, pp. 83-99, April 2020, doi. https://doi.org/10.1007/978-981-15-4004-2_7
- [14] Sharma K., Dubey H.M., Pandit M. (2020) Teaching-Learning-Based Optimization for Static and Dynamic Load Dispatch. In: Pandit M., Dubey H., Bansal J. (eds) Nature Inspired Optimization for Electrical Power System. Algorithms for Intelligent Systems. Springer, Singapore, pp.1-12, April 2020, doi: https://doi.org/10.1007/978-981-15-4004-2_1
- [15] Parmar R., Wadhvani S., Pandit M. (2020) Application of Elitist Teacher–Learner-Based Optimization Algorithm for Congestion Management. In: Pandit M., Dubey H., Bansal J. (eds) Nature Inspired Optimization for Electrical Power System. Algorithms for Intelligent Systems. Springer, Singapore, pp.13-29, April 2020 doi: https://doi.org/10.1007/978-981-15-4004-2_2
- [16] Singh P., Pandit M., Srivastava L. (2020) PSO-Based Optimization of Levelized Cost of Energy for Hybrid Renewable Energy System. In: Pandit M., Dubey H., Bansal J. (eds) Nature Inspired Optimization for Electrical Power System. Algorithms for Intelligent Systems. Springer, Singapore, pp. 31-42, April 2020, doi: https://doi.org/10.1007/978-981-15-4004-2_3
- [17] Paliwal N., Srivastava L., Pandit M. (2020) Jaya Algorithm Based Optimal Design of LQR Controller for Load Frequency Control of Single Area Power System. In: Shukla R., Agrawal J., Sharma S., Chaudhari N., Shukla K. (eds) Social Networking and Computational Intelligence. Lecture Notes in Networks and Systems, vol 100. Springer, https://doi.org/10.1007/978-981-15-2071-6_48
- [18] Paliwal N., Srivastava L., Pandit M. (2020) PSO-Based PID Controller Designing for LFC of Single Area Electrical Power Network. In: Pandit M., Dubey H., Bansal J. (eds) Nature Inspired Optimization for Electrical Power System. Algorithms for Intelligent Systems. Springer, Singapore, pp. 43-54, April 2020, https://doi.org/10.1007/978-981-15-4004-2_4
- [19] Dubey S.M., Dubey H.M., Pandit M. (2020) Combined Economic Emission Dispatch of Hybrid Thermal PV System Using Artificial Bee Colony Optimization. In: Pandit M., Dubey H., Bansal J. (eds) Nature Inspired Optimization for Electrical Power System. Algorithms for Intelligent Systems. Springer, Singapore, pp. 55-67, April 2020, doi: https://doi.org/10.1007/978-981-15-4004-2_5
- [20] Dubey S.M., Dubey H.M., Pandit M. (2020) Dynamic Scheduling of Energy Resources in Microgrid Using Grey Wolf Optimization. In: Pandit M., Dubey H., Bansal J. (eds) Nature Inspired Optimization

- for Electrical Power System. Algorithms for Intelligent Systems. Springer, Singapore, pp.69-82, April 2020, doi: https://doi.org/10.1007/978-981-15-4004-2_6
- [21] Tiwari V., Dubey S.M., Dubey H.M., Pandit M. (2020) Smart Grid Communication: A Survey of State-of-the-Art. In: Pandit M., Srivastava L., Venkata Rao R., Bansal J. (eds) Intelligent Computing Applications for Sustainable Real-World Systems. ICSISCET 2019. Proceedings in Adaptation, Learning and Optimization, vol 13. Springer, Cham. https://doi.org/10.1007/978-3-030-44758-8_48
- [22] Sharma K., Dubey H.M., Pandit M. (2020) Short-Term Hydrothermal Scheduling Using Bio-inspired Computing: A Review. In: Pandit M., Dubey H., Bansal J. (eds) Nature Inspired Optimization for Electrical Power System. Algorithms for Intelligent Systems. Springer, Singapore, pp. 115-129, April 2020, doi: https://doi.org/10.1007/978-981-15-4004-2_9
- [23] Manjaree Pandit, Aayush Shrivastava, Devender Saini, Relay Coordination Optimization for Solar PV Integrated Grid Using the Water Cycle Optimization Algorithm, Applied Soft Computing and Embedded System, pp. 27–46, March 2021, CRC press, <https://doi.org/10.1201/9781003121237-2>
- [24] Shukla S., Pandit M. (2022) An Optimum Multi-objective Dynamic Scheduling Strategy for a Hybrid Microgrid System Using Fuzzy Rank-Based Modified Differential Evolution Algorithm. In: Dubey H.M., Pandit M., Srivastava L., Panigrahi B.K. (eds) Artificial Intelligence and Sustainable Computing. Algorithms for Intelligent Systems. Springer, Singapore, July 2021 https://doi.org/10.1007/978-981-16-1220-6_16
- [25] Singh P., Pandit M., Srivastava L., Paliwal N. (2022) Techno-Economic Assessment of a Hybrid Renewable Energy System Using Dynamic Search Space. In: Dubey H.M., Pandit M., Srivastava L., Panigrahi B.K. (eds) Artificial Intelligence and Sustainable Computing. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-16-1220-6_30
- [26] Chaudhary V., Dubey H.M., Pandit M. (2022) Combined Heat–Power Economic Emission Dispatch for a Microgrid Using Coyote Optimization. In: Dubey H.M., Pandit M., Srivastava L., Panigrahi B.K. (eds) Artificial Intelligence and Sustainable Computing. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-16-1220-6_28
- [27] Paliwal N., Srivastava L., Pandit M., Singh P. (2022) Jaya Algorithm-Based Load Frequency Control in Nuclear Power Plant Incorporating Energy Storage Unit. In: Dubey H.M., Pandit M., Srivastava L., Panigrahi B.K. (eds) Artificial Intelligence and Sustainable Computing. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-16-1220-6_21
- [28] Tiwari V., Dubey H.M., Pandit M. (2022) Optimal Sizing and Allocation of DG in Distribution System Using TLBO. In: Dubey H.M., Pandit M., Srivastava L., Panigrahi B.K. (eds) Artificial Intelligence and Sustainable Computing. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-16-1220-6_35