

Faculty Profile

1. Name: **Hari Mohan Dubey**
2. Department: **Electrical Engineering**
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4. Phone Number: **+91-8770908208, +91-9425776060**
5. Office Address:
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6. Qualification:

S. No	Degree	Specialization	Institute/ University
1	Ph.D.	Power System	MITS, Gwalior/ RGPV Bhopal
2	M.E.	Industrial Systems & Drives	MITS, Gwalior
3	B.E	Electrical Engineering	IE(India)

7. Area of Specialization:

Nature Inspired algorithms and their applications to electrical engineering problems, particularly in area of renewable integration, DG placement and Power system operation

8. PhD (Guided): 02 (under progress)

I	Mr. Vishal Chaudhary	0901EE13PD02	Submission Stage
II	Mr. Vimal Tiwari	0901EE19PD03	Under Progress

9. ME (dissertation supervised): 29

[ME_D29] “Quasi-opposed Grey wolf optimizer(QOGWO) for Profit maximization of hybrid thermal-PV-wind System” submitted by Salil Madhav Dubey, July 2020.

[ME_D28] “Performance Evaluation of 30.5 kWp On-Grid Solar System Using PVsyst” submitted by RamdewRawat, Dec 2019.

- [ME_D27] “Short term Hydrothermal scheduling using Gray Wolf Optimization” submitted by Kushboo Sharma, Nov 2019.
- [ME_D26] “Teaching learning Based Optimization for static and Dynamic Economic” submitted by Kavita Sharma, Nov 2019.
- [ME_D25] “Spider Monkey Optimization for Economic Dispatch with Diverse Cost Function” submitted by Anand S. Tomar, Feb 2019.
- [ME_D24] “Single and Multi-Area Optimal Dispatch by Modified Salp Swarm Algorithm” submitted by Deepak Kumar Sharma Feb 2019.
- [ME_D23] “Moth-Flame Optimization for Multi Area Economic Dispatch: A Novel Heuristic Paradigm” submitted by Md.Asgar Ali, Oct 2017
- [ME_D22] “Multi-objective optimal dispatch of hybrid renewable energy system using stochastic fractal search algorithm” submitted by Tushar Tyagi, Aug 2016.
- [ME_D21] “Techno- economic analysis of hybrid wind-solar- thermal system via Backtracking Search Algorithm” submitted by Nitin Tyagi Aug 2016.
- [ME_D20] “Analysis and study of the test laboratory for partial discharge measurement for power transformer” submitted by Amol Chausalkar December 2013.
- [ME_D19] “Application of Invasive weed optimization techniques on Combined economic and emission dispatch”, submitted by Ashish Agarwal November 2013.
- [ME_D18] “Bat Algorithm and Cuckoo search: Two novel approaches for power system optimization” submitted by UpasanaSapra August 2013.
- [ME_D17] “Gravitational Search Algorithm for Economic Load Dispatch problems”, submitted by Mughaudgir July 2013.
- [ME_D16] “Practical Experience with Collapse of Power Transformer in the Field” submitted by Ravindra Kumar Tiwari2012.
- [ME_D15] “Solution of Non-Convex Economic dispatch problems using Simulated Annealing Algorithm” submitted by Kamlesh Kumar Vishwakarma August 2012.
- [ME_D14] “Solving Economic Load dispatch problem using quadratic programming and GAMS: A comparative analysis” submitted by Devendra Bisen (2012)
- [ME_D13] “Economic Load dispatch using simulated annealing Optimization” submitted by Manvendra singhKaurav (2011)
- [ME_D12] “Economic Load dispatch using Artificial Bee colony Optimization” submitted by Gaurav

Prasad Dixit (July 2011)

- [ME_D11] **“Power Quality Improvement using sliding mode control of a series Active Filter”**, submitted by **Virendera Kumar Sahu (2009)**
- [ME_D10] **“Harmonic mitigation in AC Drive”**, submitted by **Santosh Ahirwar (2009)**
- [ME_D9] **“High Voltage distribution system”**, submitted by **Mukesh Kumar Sahu (2008)**
- [ME_D8] **“Study of Load flow Analysis using PSAT”**, submitted by **Manoj Kumar Nigam (2008)**
- [ME_D7] **“Sensorless speed control of Induction Motor”**, Submitted by **AvijitSaha (2008)**
- [ME_D6] **“Role of High Current Power Rectifier in Aluminum Smelting Plants”**, submitted by **Sachin Kumar Gupta (2007)**
- [ME_D5] **“Application of AC Drive in Industry”**, submitted by **Dileep Kumar Nigam (2007)**
- [ME_D4] **“Implementation of space vector modulation technique for Two-level Inverter feeding Induction motor”**, submitted by **P.Rajeshwar Rao (2007)**
- [ME_D3] **“Simulation and Analysis of Direct torque control of Induction Motor Drive”**, submitted by **Prashant Singh (2007)**
- [ME_D2] **“Behavioral study of condition monitoring in oil filled transformers”**, submitted by **T.K.Mohan (2006)**
- [ME_D1] **“Industrial application of AC Drives”**, submitted by **Ram Naresh Choubey (2005)**

9. Subjects Taught:

I) UG:-

Power Electronics, Electrical Drives, Electrical Power generation & Economy, Transmission and Distribution, Utilization of Electrical Energy, Electrical Measurement and Measuring Instruments

II) PG: -

Power Electronics Converters, Electrical Machine Modeling & Drives, Energy Conservation & Management

10. Professional Experience:

I) Teaching Experience:

Sl. No.	Position held	Name of Organization	From	To
1	Lecturer	IETE, Ranchi (Jharkhand)	Jan 2000	June 2000
2	Lecturer	Vishveshwarya Institute of Engineering & Technology , Ghaziabad (UP), Under UPTech Lucknow	29 Aug.2002	5 oct.2003
3	Assistant Professor	Madhav Institute of Technology & Science, Gwalior (M.P)	6 Oct. 2003	5 Oct. 2016
4	Associate Professor	(A Govt. Aided UGC Autonomous & NAAC Accredited institute Affiliated to RGPV, Bhopal)	6 Oct. 2016	31 May 2021
5	Associate Professor	B.I.T. Sindri, Dhanbad (Department of Science and Technology, Government of Jharkhand.)	2 June 2021	Till Date

II) Research Experience:

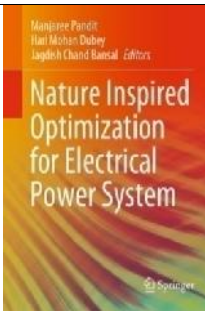
16 Years

III) Industrial Experience:

Sl. No.	Position held	Name of Organization	From	To
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11. Publications:

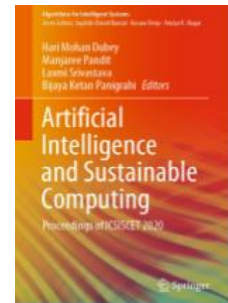
I) Book:

Sl. No.	Title of the Book	Name of publisher	ISBN No.	Publication Year	
1	Nature Inspired Optimization for Electrical Power System Editors: Manjaree Pandit, Hari Mohan Dubey, Jagdish Chand Bansal	Springer, Singapore	Print ISBN978-981-15-4003-5 Online ISBN978-981-15-4004-2	2020	
		DOI: https://doi.org/10.1007/978-981-15-4004-2			

2 **Artificial Intelligence and Sustainable Computing** Springer, Singapore ISBN 978-981-16-1220-6 2021

Editors: Hari Mohan Dubey, Manjaree Pandit, Laxmi Srivastava, B.K. Panigrahi

<https://link.springer.com/book/10.1007/978-981-16-1220-6>



II) International Journal:

- [J31] 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, No. 1, 2021, pp. 1-14, DOI: <http://dx.doi.org/10.4314/ijest.v13i1.1>; **MultiCraft** (Nonpaid peer reviewed journal) ISSN:2141-2838 (electronic version) ISSN:2141-2820 (print)
- [J30] Vishal Chaudhary, Hari Mohan Dubey, Manjaree Pandit, J. C. Bansal, Multi-Area Economic Dispatch with Stochastic Wind Power using Salp Swarm Algorithm, **ARRAY (ELSEVIER)** <https://doi.org/10.1016/j.array.2020.100044>, Sep2020 [ISSN: 2590-0056](https://doi.org/10.1016/j.array.2020.100044)
- [J29] Deepak Kumar Sharma, Hari Mohan Dubey, Manjaree Pandit, Single and Multi-Area Optimal Dispatch by Modified Salp Swarm Algorithm, *I.J. Intelligent Systems and Applications*, Vol.12, No.3, PP.18-26, Jun. 2020 **MECS Press (SCOPUS indexed)** DOI: 10.5815/ijisa.2020.03.03 (Nonpaid peer reviewed journal) ISSN: 2074-904X (Print), ISSN: 2074-9058 (Online)
- [J28] 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*, Vol.38, pp.12-34, 2018, **ELSEVIER (Impact Factor: 3.893)** (Nonpaid peer reviewed journal) (SCI JOURNAL LIST 2017: PAGE 134 / 142 NO:29) [ISSN: 2210-6502](#)
- [J27] 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*, Springer, vol.98, no.2, pp. 221–229, (2017) (Nonpaid peer reviewed journal) (SCOPUS, SCIE indexed) ISSN: 2250-2106 (print version)/ 2250-2114 (e- version)
- [J26] 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 (JIC.org.uk)* vol. 12, no. 1, pp. 03-13. (2017), (Nonpaid peer reviewed journal) ISSN: 1746-7659
- [J25] Nitin Tyagi, Hari Mohan Dubey, Manjaree Pandit, Economic load dispatch of wind-solar-thermal system using backtracking search algorithm, *Inter J* (electronic ISSN:2141-2838)

- engineering, science and technology*, vol.8, no. 4, pp. 16-27, version)
(2016).**MultiCraft**(Nonpaid peer reviewed journal) ISSN:2141-2820
(print)
- [J24] Prasun Kumar Agrawal, Manjaree Pandit, **Hari Mohan Dubey**, Improved Krill Herd Algorithm with Neighborhood Distance Concept for Optimization, *Inter. J Intelligent Systems and Applications(IJISA)*,vol.8,no:11,pp.34-50,2016 (http://www.mecs-press.org/) DOI: 10.5815/ ijisa.2016.11.05(Nonpaid peer reviewed journal) (SCOPUS indexed) ISSN: 2074-904X
[ICV 2014 7.09 IJISA in Google Scholar Citations / h5-index](#) (Print), ISSN: 2074-9058
(Online)
- [J23] Tushar Tyagi, Hari Mohan Dubey, Manjaree Pandit,Multi-Objective Optimal Dispatch Solution of Solar-Wind-Thermal System using Improved Stochastic Fractal Search Algorithm,*Inter. J Information Technology and Computer Science (IJITCS)*, vol.8, no.11, pp.61-73,2016 (http://www.mecs-press.org/) DOI: 10.5815/ijitcs.2016.11.08(Nonpaid peer reviewed journal) ISSN: 2074-9007
[ICV 2014 8.31 IJITCS in Google Scholar Citations / h5-index](#) (Print), ISSN: 2074-9015
(Online)
- [J22] **Hari Mohan Dubey**,ManjareePandit, B.K. Panigrahi, Hydro-thermal-wind scheduling employing novel ant lion optimization technique with composite ranking index, *Renewable Energy* ,vol.99,pp.18-34,(2016) **ELSEVIER (Impact Factor: 4.357)**(Nonpaid peer reviewed journal) (SCI JOURNAL LIST 2015:PAGE 379 / 434 NO: 15) ISSN: 0960-1481
- [J21] **Hari Mohan Dubey**ManjareePandit a, B.K. Panigrahi, Ant lion optimization for short-term wind integrated hydrothermal power generation scheduling, *Int. J. Electrical Power and Energy Systems* vol.83,pp. 158–174 ,(2016) **ELSEVIER (Impact Factor: 3.587)**(Nonpaid peer reviewed journal) (SCI JOURNAL LIST 2015:PAGE 198 / 434 NO:17) ISSN: 0142-0615
- [J20] ManjareePandit, Vishal Chaudhary, **Hari Mohan Dubey**, B.K. Panigrahi, Multi-period wind integrated optimal dispatch using series PSO-DE with time-varying Gaussian membership function based fuzzy selection,*Int. J. Electrical Power and Energy Systems*, vol.73,pp.259-272, (2015) **ELSEVIER (Impact Factor: 3.587)**(Nonpaid peer reviewed journal) (SCI JOURNAL LIST 2015:PAGE 198 / 434 NO:17) ISSN: 0142-0615
- [J19] **Hari Mohan Dubey** ,ManjareePandit and 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 ,pp.188-202,(2015) **ELSEVIER (Impact Factor: 4.357)** (Nonpaid peer reviewed journal)(SCI JOURNAL LIST 2015:PAGE 379 / 434 NO:15) ISSN: 0960-1481
- [J18] **Hari Mohan Dubey** ,ManjareePandit and B.K. Panigrahi, A Biologically Inspired Modified Flower pollination Algorithm for solving Economic Load Dispatch Problems in Modern Power Systems,*Cognitive Computation*, vol.7,pp.594-608,(2015) **SpringerDOI 10.1007/s12559-015-9324-1. (Impact Factor: 3.479)**(Nonpaid peer reviewed journal) (SCI LIST 2015: PAGE 1866-9956
(Print) 1866-9964
(Online)

- [J17] Rani Gupta, ManjareePandit ,**Hari Mohan Dubey**,Modified Artificial Bee Colony Optimization for Cost-Emission Dispatch Using Degree of Satisfaction Method,*Inter. J Modern Trends in Engineering and Research*,vol. 02, no. 04, pp.505-13,(2015) Peer-review Open Access (Impact Factor: 4.364 SJIF 2016) ISSN: 2349-9745 online 2393-8161 Print
- [J16] AkankshaBhatt,ManjareePandit, AayushShrivastav, **Hari Mohan Dubey** , Optimal Dynamic Dispatch of Wind Integrated Thermal generators with Compressed Air Energy storage,*Inter J. of Renewable Energy Research* ,vol.4, no.3, pp.689-697(2014). (Nonpaid peer reviewed journal) Online ISSN: 1309-0127
SCOPUS & Thomson Reuters Indexed (Impact factor: 1.0)
- [J15] B.K. Panigrahi ,ManjareePandit, **Hari Mohan Dubey** ,Ashish Agarwal and W C Hong , Invasive Weed Optimization for Combined Economic and Emission dispatch problems, *Inter J Applied Evolutionary Computation*, Vol.5, No. 1, PP 1-18, (2014) (IGI Global)doi:10.4018/ijaec.2014010101 (Nonpaid peer reviewed journal) ISSN: 1942-3594
- [J14] **Hari Mohan Dubey** ,ManjareePandit ,B.K. Panigrahi , , and MugdhaUdgir, A fuzzified improved hybrid PSO GSA for environmental /economic power dispatch, *Inter J engineering, science and technology*, vol.6, no. 4, pp. 11-23, (2014).MultiCraft(Nonpaid peer reviewed journal) ISSN:2141-2838 (electronic version) ISSN:2141-2820 (print)
- [J13] **Hari Mohan Dubey**, B.K. Panigrahi and ManjareePandit , Bio-Inspired Optimization for Economic Load Dispatch: A Review,*Inter J Bio-Inspired Computation*,vol.6, no. 1, pp.07-21, (2014), inderscience(Impact Factor: 3.969) (Nonpaid peer reviewed journal) (SCI JOURNAL LIST 2015: PAGE 195 / 434 NO: 18) DOI: [10.1504/IJBIC.2014.059967](https://doi.org/10.1504/IJBIC.2014.059967) ISSN online: 1758-0374 ISSN print: 1758-0366
- [J12] ManjareePandit , Laxmi Srivastava, Manisha Sharma, **Hari Mohan Dubey**,B.KPanigrahi, Large-scale multi-zone optimal power dispatch using hybrid hierarchical evolution technique, *IET Journal of Engineering*, PP 01-10.(2014)doi:10.1049/joe.2013.0262 (Nonpaid peer reviewed journal) INSPEC & Emerging Sources Citation Indexed (ESCI) ISSN 2051-3305(Online)
- [J11] Vishal Chaudhary, Manjaree Pandit and, **Hari Mohan Dubey**,Optimal Operation of Wind-thermal generation using differential evolution, *IOSR Journal of Electrical and Electronics Engineering*, vol. 5, no. 4, pp. 01-08, (2013). eISSN:2278-1676, pISSN:2320-3331
- [J10] **Hari Mohan Dubey**, ManjareePandit, B.K. Panigrahi and MugdhaUdgir,EconomicLoad Dispatch by Hybrid Swarm Intelligence Based Gravitational Search Algorithm,*Inter. J Intelligent Systems and Applications*,vol.5, no.08, pp.21-32, (2013)([http:// www.mecspress.org/](http://www.mecspress.org/) Hong Kong, (Nonpaid peer reviewed journal) SCOPUS indexed ICV 2014 7.09, IJISA in Google Scholar Citations / h5-index ISSN: 2074-904X (Print), ISSN: 2074-9058 (Online)

- [J09] Kamlesh Kumar Vishwakarma, **Hari Mohan Dubey**, ManjareePandit and B.K. Panigrahi, Simulated Annealing Approach For Solving Economic Load Dispatch Problems With Valve Point Loading Effects, *Inter J engineering, science and technology*, vol. 4, no. 4, pp. 60-72, (2012), **MultiCraft (Nonpaid peer reviewed journal)** ISSN:2141-2838 (electronic version) ISSN:2141-2820 (print)
- [J08] DevendraBisen, **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(JIC.org.uk)* vol. 7, no. 3, pp. 200-211. (2012), **(Nonpaid peer reviewed journal)** ISSN: 1746-7659
- [J07] DevendraBisenand**Hari Mohan Dubey**, Dynamic Economic Load Dispatch with Emission and Loss using GAMS, *Inter. J Engineering Research & Technology (IJERT)*1(3),pp:1-7,(2012).**(peer reviewed journal)** ISSN: 2278-0181
- [J06] Kamlesh Kr. Vishwakarma and **Hari Mohan Dubey**, Simulated Annealing Based Optimization for Solving Large Scale Economic Load Dispatch Problems, *Inter J Engineering Research and Technology(IJERT)*,1(3) (2012) **(peer reviewed journal)** ISSN: 2278-0181
- [J05] Ravindra Kumar Tiwari, **Hari Mohan Dubey** and ManjareePandit, **Failure** Analysis of 630 and 990 KVA Distribution Transformer with diagnostics tools & Case studies, *Journal of Indian Transformer Manufacturer Association (ITMA)*, pp-19-23. (2012)
- [J04] Gaurav Dixit, **Hari Mohan Dubey**, ManjareePandit and B.K. Panigrahi, Economic Load Dispatch using Artificial Bee Colony Optimization, *InterJ Advances in Electronics Engineering*,1(1), pp:119-124. (2011). **(peer-reviewed open access)** ISSN:2278 - 215x
- [J03] Manvendra singhKaurav, **Hari Mohan Dubey**, ManjareePandit and B.K. Panigrahi, Simulated Annealing Algorithm for Combined Economic and Emission Dispatch, *Inter J Advances in Electronics Engineering*,1(1), pp:172-178.(2011)**(peer-reviewed open access)** ISSN:2278 - 215x
- [J02] **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. **(Nonpaid peer reviewed journal)** **(Impact factor :2.5682, 2015) (Indexed in SCOPUS & INSPEC)** ISSN:1582-4594
- [J01] **Hari Mohan Dubey**, ManjareePandit, Rajeshwarrao P., Implementation of Space vector Modulation Technique for Two-Level Inverter feeding Induction Motor, *International Journal IJ-CA-ETS*. 2(2), pp.55-60 (2009). ISSN:0974-3596

III) Book Chapter:

- [Ch_ 18] Vishal Chaudhary, Hari Mohan Dubey, Manjaree Pandit, **Combined Heat-Power Economic Emission Dispatch for a Microgrid using Coyote Optimization**, Chapter No: 28 Artificial Intelligence and Sustainable Computing, Algorithms for Intelligent Systems, https://doi.org/10.1007/978-981-16-1220-6_28 (Springer)2021
- [Ch_ 17] Vimal Tiwari, Hari Mohan Dubey, and Manjaree Pandit, **Optimal Sizing and Allocation of DG in Distribution System Using TLBO**, Chapter No: 35, Artificial Intelligence and Sustainable Computing, Algorithms for Intelligent Systems, https://doi.org/10.1007/978-981-16-1220-6_35(Springer)2021
- [Ch_ 16] Vishal Choudhry, Hari Mohan Dubey, and Manjaree Pandit, **Water Cycle Optimization for Non Convex Economic Dispatch**,Chapter No: 73, Book Title:*Advanced Engineering Optimization Through Intelligent Techniques*, Advances in Intelligent Systems and Computing 949 https://doi.org/10.1007/978-981-13-8196-6_73(Springer)2020
- [Ch_ 15] V. Tiwari, SM Dubey, **HM Dubey**, M. Pandit, Smart Grid Communication: A Survey of State-of-the-Art. Proceedings in Adaptation, Learning and Optimization, Book Series (PALO, Vol 13. 2020, **Springer DOI**https://doi.org/10.1007/978-3-030-44758-8_48
- [Ch_ 14] Salil Madhav Dubey, **Hari Mohan Dubey**, Manjaree Pandit, [Combined Economic Emission Dispatch of Hybrid Thermal PV System Using Artificial Bee Colony Optimization](#), Nature Inspired Optimization for Electrical Power System **AISSpringer** 2020, **DOI**https://doi.org/10.1007/978-981-15-4004-2_5
- [Ch_ 13] Salil Madhav Dubey, **Hari Mohan Dubey**, Manjaree Pandit, [Dynamic Scheduling of Energy Resources in Microgrid Using Grey Wolf Optimization](#), Nature Inspired Optimization for Electrical Power System **AISSpringer** 2020, **DOI**https://doi.org/10.1007/978-981-15-4004-2_6
- [Ch_ 12] Khushboo Sharma, **Hari Mohan Dubey**, Manjaree Pandit, [Short-Term Hydrothermal Scheduling Using Bio-inspired Computing: A Review](#), Nature Inspired Optimization for Electrical Power System **AISSpringer** 2020, **DOI**https://doi.org/10.1007/978-981-15-4004-2_9
- [Ch_ 11] Kavita Sharma, Hari Mohan Dubey, Manjaree Pandit, [Teaching-Learning-Based Optimization for Static and Dynamic Load Dispatch](#), Nature Inspired Optimization for Electrical Power System,2020(AIS **Springer**)**DOI**https://doi.org/10.1007/978-981-15-4004-2_1
- [Ch_ 10] Khushboo **Sharma,Hari Mohan Dubey**,Manjaree Pandit, Short-Term Hydrothermal Scheduling Using Gray Wolf Optimization, [Advances in Computing and Intelligent Systems](#) pp 253-269 (AIS **Springer**) **2020**, **DOI**https://doi.org/10.1007/978-981-15-0222-4_22
- [Ch_ 9] V. Tiwari, SM Dubey, **HM Dubey**, M. Pandit , Smart Grid Communication: A Survey of State-of-the-Art. Proceedings in Adaptation, Learning and Optimization, Book Series (PALO, Vol 13. 2020, **Springer DOI**https://doi.org/10.1007/978-3-030-44758-8_48
- [Ch_ 8] Ramdew Rawat,Vishal Chaudhary,**Hari Mohan Dubey**, Manjaree Pandit, **Performance Evaluation of 30.5 kWp On-Grid Solar System Using Pvsyst**,[Proceedings in Adaptation, Learning and Optimization](#) book series (PALO, volume 13) **2020**,**Springer DOI**https://doi.org/10.1007/978-3-030-44758-8_35
- [Ch_ 7] [Vishal Choudhry, Hari Mohan Dubey, and Manjaree Pandit, Water Cycle Optimization for Non Convex Economic Dispatch](#),Chapter No: 73, Book Title:*Advanced Engineering Optimization*

- [Ch_6] Anand Singh Tomar, Hari Mohan Dubey, and Manjaree Pandit, **Combined Economic Emission Dispatch Using Spider Monkey Optimization**, Chapter No: 72, Book Title: *Advanced Engineering Optimization Through Intelligent Techniques*, Advances in Intelligent Systems and Computing 949, https://doi.org/10.1007/978-981-13-8196-6_72(Springer)
- [Ch_5] Hari Mohan Dubey, ManjareePandit, B.K. Panigrahi and TusharTyagi ,Multi-objective power dispatch using stochastic fractal search algorithm and TOPSIS, Chapter No: 14,Book Title: *Swarm, Evolutionary, and Memetic Computing*,Springer ,*Lecture Notes oncomputer science*, LNCS 9873, pp. 1–13, 2016 . DOI: [10.1007/978-3-319-48959-9_14](https://doi.org/10.1007/978-3-319-48959-9_14).
- [Ch_4] Hari Mohan Dubey, B.K. Panigrahi, ManjareePandit, Improved Flower Pollination Algorithm for Short Term Hydrothermal Scheduling,Chapter No: 62,Book Title: *Swarm, Evolutionary, and Memetic Computing*,**Lecture Notes oncomputer science8947, Springer 2015** pp. 1–17, . DOI: [10.1007/978-3-319-20294-5_62](https://doi.org/10.1007/978-3-319-20294-5_62)
- [Ch_3] Hari Mohan Dubey, B.K. Panigrahi, ManjareePandit, MugdhaUdgir, Gbest Guided Gravitational Search Algorithm for Economic Load Dispatch Book Title: *Swarm, Evolutionary, and Memetic Computing*, Chapter No: 61 **Lecture Notes oncomputer science8947, Springer2015** LNCS 8947, pp. 1–15, 2015. DOI: [10.1007/978-3-319-20294-5_61](https://doi.org/10.1007/978-3-319-20294-5_61)
- [Ch_2] Hari Mohan Dubey, ManjareePandit, and B.K. Panigrahi, Cuckoo search algorithm for short term hydrothermal scheduling,Chapter No: 57Book Title: *Power Electronics and Renewable Energy Systems*, pp.573-589. **Lecture Notes of Electrical Engineering 326, Springer _ 2015, DOI** [10.1007/978-81-322-2119-7_57](https://doi.org/10.1007/978-81-322-2119-7_57).
- [Ch_1] Hari Mohan Dubey, ManjareePandit, B.K. Panigrahi, and MugdhaUdgir, A Novel Swarm Intelligence Based Gravitational Search Algorithm For Combined Economic and Emission Dispatch Problems Chapter No:51,Book Title: *Swarm, Evolutionary, and Memetic Computing*,**Lecture Notes on computer science 8297Part I, Springer _ 2013**, pp. 568–579. https://doi.org/10.1007/978-3-319-03753-0_51

III) International Conference :

- [IC19] Anand Singh Tomar, Hari Mohan Dubey, and Manjaree Pandit,Spider Monkey Optimization for Economic Dispatch with Diverse Cost Function, IEEE 9TH International Conference(**Confluence 2019**)To be held On 10th - 11th January, 2019 At Amity University Uttar Pradesh, Noida, India.**349-354**DOI: [10.1109/CONFLUENCE.2019.8776914](https://doi.org/10.1109/CONFLUENCE.2019.8776914)
- [IC18] Md. Asgar Ali, Hari Mohan Dubey, Manjaree Pandit,Moth-Flame Optimization for Multi Area Economic Dispatch: A Novel Heuristic Paradigm, *IEEE Inter. Conf. Energy, Communication, Data Analytics and Soft Computing (ICECDS 2017)1-2 Aug 2017*,Tamil Nadu, India.pp.1068-1073. DOI: [10.1109/ICECDS.2017.8389602](https://doi.org/10.1109/ICECDS.2017.8389602)
- [IC17] Neelam Rajput, Vishal Chaudhary ,Hari Mohan Dubey, Manjaree Pandit, Optimal generation scheduling of thermal System using biologically inspired Grasshopper Algorithm,*IEEE 2nd Inter. Conf. Telecommunication and Networks TELNET- 2017*, 10-11 August 2017. DOI: [10.1109/TEL-NET.2017.8343580](https://doi.org/10.1109/TEL-NET.2017.8343580)

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IV) National Conference :

- [NC10] **Hari Mohan Dubey**, Nitin tyagi and Tusar Tyagi, Multi objective optimization for economic emission load dispatch using evolutionary algorithm: A review, *2nd National Conference On Innovation in electrical engineering (IEE-II)* organized by MITS, Gwalior (INDIA) February 10-11 2015.
- [NC09] Manish Kumar Dwivedi, Madhuri Shukla, **Hari Mohan Dubey** and Dr. Manjaree Pandit Musical Inspired Harmony Search Algorithm for Non Convex Economic Load Dispatch Problem, *in proceeding AICTE Sponsored National Conference On Computer application in electrical engineering: recent trends (CAEE-RT II)* organized by MITS, Gwalior (INDIA) December 16th-17th 2011.
- [NC08] Virendra Sahu, **Hari Mohan Dubey** and Manjaree Pandit, Harmonic Mitigation in VCIMD by Multipulse AC-DC Converter, *in proceeding AICTE Sponsored National Conference on Soft Computing Techniques in Electrical Engineering (SCTEE)* organized by MITS, Gwalior (INDIA) 9th-10th July, 2010.
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12. Patents (Filed / Granted)

S. No.	Name of the Inventor	Title of the Invention	Application / Patent No. (As applicable)	Year	Status (Filed / Granted)
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13. Conference/ Workshop/Seminar/ Organized

Sl. No.	Title of Seminar / Conferences / Short – term Courses	Responsibility	Funding / Sponsoring Agency	Date of Seminar / Conferences / Short – term Courses	No. of Participants
7	International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET- 2019)	Member of Technical Committee (Review Chair)	AICTE- DTU Delhi	2 - 3 November, 2019	100
6	International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology	Member of Technical Committee (Review Chair)	AICTE- TEQIP III	18 - 19 December, 2020	100

(ICSISCET- 2020)

5	ONE WEEK SHORT TERM COURSE On Optimization Techniques Using Nature Inspired Algorithms for Engineering Applications organized by department of Electrical Engineering MITS, Gwalior	Coordinator	AICTE-QIP	13 th – 17 th February, 2019	40
4	Two Day National workshop on Advanced Optimization Techniques and Research Directions organized by department of Electrical Engineering MITS, Gwalior	Organizing secretary	TEQIP-III	16th – 17th November 2019	70
3	5th National Conference on Innovations in Electrical Engineering, organized by department of Electrical Engineering MITS, Gwalior	Coordinator	TEQIP-II	February 14 th , 2017	50
2	2 nd National Conference On Innovation in electrical engineering (IEE-II). Organized by department of Electrical Engineering, MITS Gwalior.	Organizing secretary	TEQIP-II	February 10-11 2015	40
1	STTP on Nature Inspired Optimization Techniques for Engineering Application organized by department of Electrical Engineering, MITS, Gwalior	Organizing secretary	TEQIP-II	02-06 December 2013	50

14. Symposium/ Workshop/Seminar/ Attended

Sl. No.	Title of Symposium/ Workshop /Seminar/ Short – term Courses	Date	Organizing Institute
27	STC on Best O&M Practices of switchgear & Power Transformer	14-06-2021 to 18-06-2021 (One Week)	NPTI Shivpuri (M.P).
26	STC on Hydro Power Plant Operation	13-07-2020 to 17-07-2020 (One Week)	NPTI Shivpuri (M.P).
25	AICTE Training And Learning (ATAL) Academy Online FDP on " Internet of Things (IoT) "	04-05-2020 to 08-05-2020	MANIT Bhopal
24	STC on scheme of financial assistance for setting up of the Electronics and ICT academies	27 May-31 May 2019(One Week)	IIT Roorkee

23	STTP on Renewable Energy Generation Integration with Grid and Storage batteries	05-08 June 2018. (4 days)	Engineering Staff College of India Hyderabad
22	IEEE CIS summer school on Computational Intelligence: Tools and techniques for Smart Grid Solutions	28-31 December 2017. (4 days)	IIT Delhi
21	AICTE-QIP sponsored two-week short term course on “ Quality Enhancement of Teaching-Learning Processes ”	27 Feb-09 March 2017. (Two week)	MITS Gwalior
20	TEQIP II sponsored two day National workshop on Quality in Technical Education: A Challenge	18-19 November 2016. (Two Days)	MITS Gwalior
19	TEQIP II sponsored symposium on Electrical Machine and Power Electronics	4-5 November 2016. (Two Days)	IIT Gandhinagar
18	TEQIP II sponsored short term course on Recent Advances in Electrical Engineering	1-5 March 2016. (one week)	MITS, Gwalior
17	TEQIP II sponsored short term course on POWER SYSTEM OPTIMIZATION: A JOURNEY FROM CONVENTIONAL TO META-HEURISTIC TECHNIQUES	5-6 June 2015. (Two Days)	IIT Delhi
16	QIP sponsored <i>workshop</i> on INNOVATION IN TEACHING & RESEARCH METHOD	25-26 March 2015. (Two Days)	MITS, Gwalior
15	TEQIP-II sponsored workshop on UTILIZATION OF WASTE IN CONSTRUCTION AND ENERGY SECTOR	21-25 October 2013.(One week)	MITS, Gwalior
14	IEEE sponsored workshop on Computational Intelligence: Theories, Applications and Future Directions	13and 14 July, 2013 (Two Days)	IIT Delhi.
13	Summer Faculty Research Fellow Programme-2013 organized by QIP at IIT Delhi under guidance of Dr B. K. Panigrahi	16 May - 26 June 2013(Six- Week)	IIT Delhi
12	ISTE sponsored workshop on Aakash for Education	10- 11 November, 2012 at MITS, Gwalior.(Two Days)	conducted by IIT Bombay at MITS, Gwalior
11	QIP and AICTE sponsored short term course on Power Markets: Economics and Management	October 29 - November 02, 2012 (One week)	I.I.T Kanpur.
10	AICTE sponsored staff development programme on Evolutionary Computing Techniques for	12- 23 December 2011 (Two-week)	M.I.T.S, Gwalior.

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9	QIP sponsored Summer Faculty Research Fellow Programme-2011 under guidance of Dr B. K. Panigrahi	15 May -5 July 2011.(Six- Week)	IIT Delhi
8	AICTE sponsored staff development programme on soft Computing Techniques and their Engineering application	25 January - 05 February 2010 (Two-week)	M.I.T.S, Gwalior.
7	National workshop on Quality Management in Technical Education	6-7 March 2009 (Two Days)	M.I.T.S Gwalior
6	<i>DST-SERC school</i> on Electrical power Quality: Monitoring, Analysis and Mitigation	April 7-11, 2008 (One week)	I.I.T Kanpur.
5	National workshop on Quality Management in Technical Education	16- 17 February 2008(Two Days)	M.I.T.S Gwalior
4	IEEE workshop on Energy, Environment and Importance of Power Electronics	2- 3 January, 2008 (Two Days)	IIT Delhi
3	AICTE Sponsored Short term training programme on Application of Artificial Intelligence in Bio-medical Engineering	15-28 Feb.2007 (Two week)	M.I.T.S, Gwalior.
2	AICTE & ISTE Sponsored Short term training programme on Recent Trend and Multimedia application in Mechanical Engineering	12-17 July2004 (One week)	M.I.T.S, Gwalior
1	AICTE & ISTE Sponsored Short term training programme on ANN and fuzzy logy application in Electrical Engineering	19-25 January 2004 (One week)	M.I.T.S, Gwalior.

15. Administrative Position Held:

S. No.	Position Held	From (date/month/year)
11	Member of Research Advisory Committee for PhD Scholar (i) Internal Expert member (Electrical Engineering) (ii) External Expert member (Mechanical Engineering) MITS Gwalior/RGTU Bhopal	3/08/2019 to 31 May 2021
10	Member of Proctorial Board of Institute	31/01/2019 to 31 May 2021
9	Member of Examination Committee BOS (Electrical Engineering)	26/04/2018 to 31 May 2021
7	Member of Board of Study (Electrical & Electronics Engineering) RGPV Bhopal	30/05/2018 to till date

6	Dy. Superintendent for conduction of semester examination	(i) April –May 2018. (ii) April –May 2015. (iii) Oct –Nov 2014 (iv) April-May 2014 (v) Oct –Nov 2013.
5	In charge GIAN	1 st January 2018 to 31 May 2021
4	Sr. Warden Boys Hostel Block -5	23 July 2018 to May 2021
3	Warden Boys Hostel & Warden Girls Hostel	July 2016 to 22/06/2018
2	Committee member new admission BE/B. Arch/Lateral entry/MCA year 2015-16. (Regular and college level counseling)	(i) 2015-16 (ii) 2014-15 (iii) 2013-14
1	Coordinator M.E. (Industrial systems and Drives).	July 2012 to May 2021

16. Award / Recognition Bestowed on Faculty (State / National / International)

17. Members of Professional Bodies:

1	Life Member ISTE	:	LM 39883
2	Member IE (India)	:	A/524126/0
3	Member IETE	:	FM 215213
4	Member IET(uk)	:	1100527985
5	Member IEEE	:	94600871

18. References

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Web of Science Researcher ID: [U-5096-2018](https://publons.com/researcher/1249878/hari-mohan-dubey)



<https://www.researchgate.net/profile/Hari-Dubey>



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