



# Curriculum Vitae

## Prof. M. P. Sharma

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1. Name : **MAHENDRA PAL SHARMA**
2. Father's Name : **Shri Shyam Lal Sharma (late)**
3. Date of birth : **15th August, 1954.**
4. Educational Qualifications : **M.Sc. (1976) Meerut University and Ph.D. (1982) Organic Chemistry, University of Roorkee, Roorkee.**
5. Experience :
  - (a) **Professor** at AHEC from since Nov. 2015 to till date.
  - (b) **Senior Scientific Officer** at Alternate Hydro Energy Centre, Indian Institute of Technology Roorkee w.e.f. Sept. 2001 to June 25, 2007.
  - (c) **Scientist 'B'** at Alternate Hydro Energy Centre, University of Roorkee, Roorkee from March, 1985 to Sept. 2001.
  - (d) **Senior Research Associate** at Alternate Hydro Energy Centre (AHEC), University of Roorkee, Roorkee w.e.f. Oct. 1982 to March 1985.
6. Present Assignment : **Professor & Head, AHEC w.e.f. Feb. 2015.**
7. Research guidance : **Ph.D Thesis guided: 11, Ph.D. Thesis in progress: 03, M.Tech. thesis guided: 69,**
8. Teaching Experience : **Teaching M. Tech. since 1997 and Open Elective to U.G. students since 1991**
9. R&D Projects completed/being handled :
  - (a) "Pilot testing of Biomass Gasifier system of 12 kW rating" sponsored by Ministry of Non-Conventional Energy Sources (MNES), Govt. of India-Completed.
  - (b) Intensive Air Quality Monitoring of Doon Valley'- sponsored by National Environmental Engineering Research Institute (NEERI), Nagpur- Completed.
  - (c) Setting up of Renewable Energy Technology Park at AHEC' sponsored by MNES – Completed.
  - (d) "Techno-economic feasibility of hydrogen production using off-peak electricity" -sponsored by MNES - completed.
  - (e) "Design & Development of Model SHPs" sponsored by Power Finance Corporation Ltd., New Delhi (September 2003) – Completed.
  - (f) "Financial support for strengthening of Library/ references of SHP related International standards, codes/ manuals at AHEC/ MNES" sponsored by MNES-completed.
  - (g) FIST Programme – 2003 Level – I (Coordinator) – Completed
  - (h) "Development of an Assessment to Evaluate the Ecological Status of Rivers in Hindukush Himalayan Region" – A Project Sponsored by European Commission (Amount Euro 1,02,505/-) – Principal Investigator. – Completed (April 2008)
  - (i) "Kinetics of Transesterification of Vegetable Oils for the Production of Biodiesel" Sponsored by MHRD"(2005) (Amount Rs.12.00 lacs)–Principal Investigator.–Completed (Sept. 2008)
10. Consultancy Projects Handled/in prog: :
  - (a) Environment Impact Assessment of the Sugar Mills Limited, Doiwala (Distt. Dehradun).
  - (b) Energy Auditing of the Sugar Mills Limited, Jagraon, Distt. Ludhiana (Punjab) – completed.
  - (c) 'Renewable Energy Technology Development' - sponsored by AICTE-Completed. "Preparation of DPR for Conservation and Management Plans of Dal-Nagin Lake in J&K" sponsored by MoEF. – Completed
  - (d) "Review of Proposals from different states for considerations under National River Conservation Plan of MoEF" sponsored by MoEF, GOI – Completed
  - (e) "Integrated Sewerage and Solid Waste Management for Abatement of Pollution of Rivers Kaukhai and Daya at Bhubaneswar" (Coordinator) sponsored by Bhubaneswar Development Authority, Bhubaneswar (2003-04) – Completed
  - (f) "Water quality monitoring of Mansi Lake Restoration Work" sponsored by UPJVN – Completed
  - (g) "Review of water quality monitoring under NRCD" sponsored by MoEF– Completed
  - (h) "Remote village electrification of SHP, biomass gasifier and solar" sponsored by MNRE– Completed
  - (i) "Engineering services for execution of special works of Nainital Lake" sponsored by Uttarakhand Govt.,– Completed



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- : (j) "Cumulative Impact Assessment of hydropower projects in Alaknanda and Bhagirathi Basin in Uttarakhand" sponsored by MoEF – Completed
- : (k) "Preparation of DPR for conservation of Kaylana lake in Jodhpur and Gadisar lake in Jaisalmer district of Rajasthan" sponsored by Rajasthan Govt. – Completed)
- : (l) "Preparation of PFRs for 8 SHPs in UP" sponsored by UPJVN – Completed.
- : (m) CEIA of hydroprojects in Satluj basin in Himachal Pradesh – In progress.
- : (n) "Appraisal of DPRs for STPs" sponsored by MoEF – In progress.

### 11. International visits

- : China (1996), Italy (1998), Norway (2001), Nepal (2003), Bangladesh (2005), Germany (2006), Bhutan (2007), Sri Lanka (2007), USA (2008), Croatia (2011), China (2013)

### 12. Short term courses organized

- : Organized 19 National, 16 International Short Term Courses and 19 Conference/ Workshops

### 13. Present duties

- : (i) Teaching in M. Tech. Programme in "AHES and EMRL (Environmental Management of Rivers and Lakes) (Formerly Conservation of Rivers and Lakes).
- : (ii) Teaching Renewable Energy Technologies, Energy Conservation and Management, Environmental Impact Assessment, Aquatic Ecology, Integrated Water Resource Management to M. Tech. students since 1997.
- : (iii) Teaching Elective subject (IAH-302) to B. Tech. Students since 1991 and CH-201: Energy Resources and Conservation since 2010.
- : (iv) Carrying out R&D in the area of modeling of IRES system, Energy conservation, modeling of induction generators, Stability of biodiesel and its blends, kinetics of biodiesel production from vegetable oils, biomass gasification, biogas generation, modeling of Integrated Renewable Energy and hybrid energy systems, water quality mapping of rivers, Green House Gas (GHG) emissions from hydropower reservoirs, Environmental Flow studies.

### 14. Membership

### 15. Expert Member

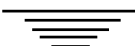
- : (i) BESI, ISTE, SESI and IHA
- : (i) Member of BIS (Reservoir and Lakes Sessional Committee, WR-10), New Delhi.
- : (ii) Member of Panel of Experts for State Executive Committee for National Ganga River basin project in Jharkhand.
- : (iii) Member of Advisory Board to the program of "TERI higher education and professional reference publishing programme" (Sep. 11-Aug. 2013)
- : (iv) Member of Expert Appraisal Committee of MoEF.
- : (v) Member of Review Committee of Nainital Lake Conservation work.

### 16. Membership of Editorial Boards:

- a) Journal of water, energy and environment (Hydro-Nepal)
- b) Reviewer of more than 10 journals of Elsevier and other International publishers.

### 17. Publications

- : (i) Special AHEC publication on "Small Hydro Power-Private Sector Participation", 1996 (I Edition), 1999 (2 Edition) and 3<sup>rd</sup> Edition (2003).
  - : (ii) **Research papers published:**
    - a. National & International Journals : 187
    - b. National & International conferences : 120
    - c. Book Published : 04
- } List at Annex-I attached.





## A. PAPERS PUBLISHED IN RESEARCH JOURNALS

Year	No.	Journal Details
	187	Akanksha Kaushal, <b>M.P.Sharma</b> and Ashutosh Kumar, "Assessment of Methane Emission from Panki Open Dump Site of Kanpur, India" <i>J. Mater. Environ. Sci.</i> , 6, 2015 ( <b>Accepted</b> ).
<b>2016</b>	186	Puneet Verma, <b>M.P.Sharma</b> , "Review of process parameters for biodiesel production from different feedstocks" <i>Renewable and Sustainable Energy Reviews</i> , 62, 2016, 1063–1071.
	185	Mukesh Kumar, <b>M.P.Sharma</b> , "Optimization of Transesterification of Chlorella protothecoides Oil to Biodiesel Using Box-Behnken Design Method" <i>Waste Biomass Valorization</i> , DOI 10.1007/s12649-016-9485-5
	184	Mukesh Kumar, <b>M.P.Sharma</b> , "Kinetics of Chlorella protothecoides microalgal oil using base catalyst" <i>Egyptian Journal of Petroleum</i> , 25(3), 2016, 375–382.
	183	Prem Kumar, , <b>Mahendra Pal Sharma</b> , Gaurav Dwivedi "Impact of ternary blends of biodiesel on diesel engine performance" <i>Egyptian Journal of Petroleum</i> , 25(2), 2016, 255–261.
	182	Puneet Verma, <b>Mahendra Pal Sharma</b> , Gaurav Dwivedi "Potential use of eucalyptus biodiesel in compressed ignition engine" <i>Egyptian Journal of Petroleum</i> , 25(1), 2016, 91–95.
	181	Gaurav Dwivedi, <b>Mahendra Pal Sharma</b> "Experimental investigation on thermal stability of Pongamia Biodiesel by thermogravimetric analysis" <i>Egyptian Journal of Petroleum</i> , 25(1), 2016, 33–38.
	180	Amit Kumar, Ashutosh kumar, <b>M.P.Sharma</b> , "Mechanism and Factors Affecting Methane Emissions in Hydropower Reservoirs: A Review" 3, Special Issue: <i>ICERTSD</i> 2013.
	179	Amit Kumar, <b>M.P.Sharma</b> , "A modeling approach to assess the greenhouse gas risk in Koteswar hydropower reservoir, India," <i>Human and Ecological Risk Assessment</i> . An International Journal, DOI: 10.1080/10807039.2016.1209077.
	178	Kaushal Kumar and <b>M.P.Sharma</b> , "Performance and Emission Characteristics of a Diesel Engine Fuelled with Biodiesel Blends", <i>International Journal of Renewable Energy Research</i> , 6(2), 2016, 658-662.
	177	Akanksha Kaushal and <b>M.P.Sharma</b> , "Methane Emission from Panki Open Dump Site of Kanpur, India", <i>Procedia Environmental Sciences</i> , 35, 2016 337-347 (Elsevier).
	176	Amit Kumar, <b>M.P.Sharma</b> and Amit Kumar, "Green House Gas Emissions from Hydropower Reservoirs: Policy and Challenges", <i>International Journal of Renewable Energy Research</i> , 6(2), 2016, 472-476.
	175	Saurabh Mishra, <b>M.P.Sharma</b> and Amit Kumar, "Assessment of Surface Water Quality in Surha Lake using Pollution Index", <i>J. Mater. Environ. Sci.</i> 7(Y) 2016, 713-719.
	174	Saurabh Mishra, <b>M.P.Sharma</b> and Amit Kumar, "Ecological Health Assessment of Surha Lake, India", <i>J. Mater. Environ. Sci.</i> 7(5) 2016, 1708-1715.
	173	Saurabh Mishra, <b>M.P.Sharma</b> and Amit Kumar, "Pollution Characteristic and Health Risk Assessment of Toxic Chemicals of Surface Water in Surha Lake, India", <i>J. Mater. Environ. Sci.</i> 7(3) 2016, 799-807.
	172	Amit Kumar, <b>M.P. Sharma</b> and Subash Prasad Rai, "A Novel approach for River Health Assessment of Chambal using Fuzzy modeling, India", <i>Desalination and Water Treatment</i> , DOI:10.1080/19443994.2016.1197855.



Year	No.	Journal Details
	171	Puneet Verma, <b>M.P.Sharma</b> and Gaurav Dwivedi, "Impact of Alcohol on Biodiesel Production and Properties" <b>Renewable &amp; Sustainable Energy Reviews</b> , 2016, 56, 319-333.
	170	Puneet Verma and <b>M.P.Sharma</b> , "Comparative analysis of effect of methanol and ethanol on Karanja biodiesel production and its optimization" <b>Fuel</b> , 2016, 180, 164-174.
	169	Ankit Bhatt, <b>M.P.Sharma</b> and R.P.Saini, "Feasibility and Sensitivity analysis of an off-grid micro hydro-photovoltaic-biomass and biogas-diesel-battery hybrid energy system for a remote area in Uttarakhand state, India" <b>Renewable &amp; Sustainable Energy Reviews</b> , 61 (2016), 53-69.
	168	Mukesh Kumar and <b>M.P.Sharma</b> , "Kinetics of Transesterification of Chlorella protothecoides Microalgal Oil to biodiesel" <b>Spring (Waste and Biomass Valorization)</b> , Waste Biomass Valor DOI 10.1007/s12649-016-9486-4.
	167	Amit Kumar & <b>M.P.Sharma</b> , "Estimation of soil organic carbon in the forest catchment of two hydroelectric reservoirs in Uttarakhand, India, <b>Human and Ecological Risk Assessment: An International Journal</b> , 22(4): 991-1001.
	166	Aniruddh Garg, <b>M.P.Sharma</b> and Vinay Sharma, "Exergy and Energy Analyses of a sugarcane juice production and clarification unit", <b>Int. J. of Exergy</b> , 19 (1) 2016, 78-90.
	165	Puneet Verma, <b>M.P.Sharma</b> and Gaurav Dwivedi, "Evaluation and enhancement of cold flow properties of palm oil and its biodiesel", <b>Energy Reports</b> 2, 2016, 8-13.
	164	Mukesh Kumar and <b>M.P.Sharma</b> , "Selection of potential oils for biodiesel production", <b>Journal of Renewable and Sustainable Energy Reviews</b> , 56 (2016) 1129-1138.
	163	Gaurav Dwivedi and <b>M.P.Sharma</b> , "Investigation of Cold Flow Properties of Waste Cooking Biodiesel", <b>Journal of Clean Energy Technology</b> , 4(3), 2016, 205-208.
	162	Subho Upadhyay and <b>M.P.Sharma</b> , "Selection of a suitable energy management strategy for a hybrid energy system in a remote rural area of India", <b>Energy</b> 94 (2016) 352-366.
2015	161	Saurabh Mishra, <b>M.P.Sharma</b> and Amit Kumar, "Assessment of Water Bodies using Eco-exergy based Ecological health Index Methodology", <b>J. Mater. Environ. Sci.</b> 6(9) 2015, 2631-2646.
	160	Amit Kumar, <b>M.P.Sharma</b> "Carbon stock estimation in the catchment of Kotli Bhel 1A hydroelectric reservoir, Uttarakhand, India" <b>Ecotoxicology and Environmental Safety</b> " <a href="http://dx.doi.org/10.1016/j.ecoenv.2015.08.029">http://dx.doi.org/10.1016/j.ecoenv.2015.08.029</a> .
	159	Sevya Naik Gopiya Naik, Dheeraj Kumar Khatod, <b>Mahendra Pal Sharma</b> "Analytical approach for optimal siting and sizing of distributed generation in radial distribution networks" <b>IET Generation, Transmission &amp; Distribution</b> 9(3), 2015, 209-220.
	158	Saurabh Mishra and <b>M.P.Sharma</b> , "Physiochemical analysis of water quality in Surha Lake, India", <b>Integr. Res. Adv.</b> 2015, 11-16.
	157	Saurabh Mishra, <b>M.P.Sharma</b> and Amit Kumar, "Assessment of water quality in Surha Lake based on Physiochemical Parameters, India", <b>J. Mater. Environ. Sci.</b> 6(9) 2015, 2446-2452.
	156	Amit Kumar and <b>M.P.Sharma</b> , "Estimation of carbon stocks of Balganga Reserved Forest, Uttarakhand, India, <b>Journal of Forest Science and Technology</b> 11(4), 2015, 177-181.
	155	Prem Kumar, <b>M.P.Sharma</b> and Gaurav Dwivedi, "Impact of biodiesel on Combustion, Performance and Exhaust Emissions of Diesel Engines", <b>Journal of Integrated Science and Technology</b> ," 2(2), 2015, 57-63.





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	154	Naresh Singh Yadav, <b>M.P.Sharma</b> and Amit Kumar, "Assessment of Water Quality in Surha Lake Based on Physiochemical Parameters, India", <b>J. of Mater. Environ. Sci</b> 6(9) 2015, 2446-2452.
	153	Naresh Singh Yadav, <b>M.P.Sharma</b> and Amit Kumar, "Assessment of Ecological Health of Chambal River using plant species diversity", <b>J. of Mater. Environ. Sci</b> 6(9) 2015, 2624-2630.
	152	Saurabh Mishra, <b>M.P.Sharma</b> and Amit Kumar, "Assessment of Water Bodies using Eco-exergy based Ecological health index Methodology" <b>J. Mater. Environ. Sci.</b> , 6(9), 2015 2631-2646.
	151	Monika and <b>M.P.Sharma</b> , "Assessment of Ecological Health of Tilyar Lake, India", <b>J. Integr. Sci. Technol</b> , 3(2), 2015, 34-38.
	150	Puneet Verma, <b>M.P.Sharma</b> and Gaurav Dwivedi, "Operational and Environmental Impact of Biodiesel on Engine Performance: A review of Literature", <b>International Journal of Renewable Energy Research</b> 5(4), 2015, 961-970.
	149	Ankit Bhatt, <b>M.P.Sharma</b> and Ishan Kaushik, "Development of Hybrid Energy System for Off-Grid Remote Area", <b>International Journal of Advance Research in Science and Engineering (IJARSE)</b> , 4 (01), March 2015, 484-490.
	148	Sravanthi Animireddy and <b>M.P.Sharma</b> , "Automation of Common Effluent Treatment Plant" <b>International Journal of Advanced Technology in Engineering and Science</b> , 3(2), 2015.
	147	Puneet Verma and <b>M.P.Sharma</b> , "Performance and Emission Characteristics of Biodiesel Fuelled Diesel Engines" <b>International Journal of Renewable Energy Research</b> , 1(5), 2015, 245-250.
	146	Virender Singh and <b>M.P. Sharma</b> , "Assessment of the Water Quality of the Ninglad Stream, Uttarakhand, India by using various Biotic Indices", <b>J. of European Academic Research</b> , II(11), Feb 2015, 14953-14961.
	145	Naresh Singh Yadav, <b>M.P.Sharma</b> and Amit Kumar, "Ecological Health Assessment of Chambal River, India", <b>J. of Mater. Environ. Sci</b> 6(3) 2015, 613-618.
	144	Subho Upadhyay and <b>M.P.Sharma</b> , "Development of hybrid energy system with cycle charging strategy using particle swarm optimization for a remote area in India", <b>Renewable Energy</b> 77 (2015), 586-598.
	143	Gaurav Dwivedi and <b>M.P.Sharma</b> , "Application of Box-Behnken design in optimization of Biodiesel Yield from Pongamia Oil and its Stability Analysis", <b>Fuel</b> , 145, 2015, 256-262.
	142	Mukesh Kumar & <b>M.P.Sharma</b> , "Assessment of Potential of oils for biodiesel production", <b>J. of Renewable and Sustainable Energy Reviews</b> , 44, 2015, 814-823.
	141	Gaurav Dwivedi and <b>M.P.Sharma</b> , "Investigation and Improvement in Cold Flow Properties of Pongamia Biodiesel" <b>Waste Biomass Valorization (Springer)</b> , 6(1), 2015, 73-79.
2014	140	Amit Kumar and <b>M.P.Sharma</b> , "Review of Methodology for Estimation of Labile Organic Carbon in Reservoirs and Lakes for GHG Emission" <b>J. Mater. Environ. Sci.</b> 5 (3) (2014) 653-660.
	139	Amit Kumar, <b>M.P. Sharma</b> and Naresh Singh Yadav, "Assessment of Water Quality Changes at Two Locations of Chambal River: M.P." <b>J. Mater. Environ. Sci.</b> 5 (6) (2014) 1781-1785.
	138	Jatin Singh Saini, <b>M.P.Sharma</b> and S.N.Singh, "Voltage Profile Improvement of Rural Distribution Network by Conductor Replacement", <b>International Electrical Engineering Journal (IEEEJ)</b> , 5 (7), 2014, 1490-1494.
	137	Gaurav Dwivedi and <b>M.P.Sharma</b> , "Impact of Antioxidant and Metals on Biodiesel Stability-A Review", <b>J.Mater. Environ. Sci.</b> , 5(5), 2014, 1412-1425.



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	136	Ashutosh Kumar and <b>M.P.Sharma</b> , "Application of Water Quality Index and Diversity Index for Pollution Assessment of Kankaria Lake at Ahmedabad, India", <b>J. of Civil &amp; Environmental Engineering</b> , 4(3) 2014, doi:10.4172/2165-784X.1000144.
	135	Subho Upadhyay and <b>M.P.Sharma</b> , "A review on configurations, control and sizing methodologies of hybrid energy systems" <b>Renewable and Sustainable Energy Reviews</b> , 38, 2014, 47-63.
	134	Gaurav Dwivedi, <b>M.P.Sharma</b> and Mukesh Kumar "Status and Policy of Biodiesel Development in India", <b>International Journal of Renewable Energy Research</b> 4(2) 2014, 246-254.
	133	Ashutosh Kumar and <b>M.P.Sharma</b> , "GHG emission and Carbon Sequestration Potential from MSW of Indian Metro Cities", <b>Urban climate</b> , 8, 2014, 30-41.
	132	Naresh Singh Yadav, Amit Kumar and <b>M.P.Sharma</b> , "Ecological Health Assessment of Chambal River using Water Quality Parameters," <b>J. of Integrated Science and Technology</b> , 2(2), 2014, 52-56.
	131	Prem Kumar, <b>M.P.Sharma</b> and Gaurav Dwivedi, "Assessment of Oxidation Stability of Oils for Biodiesel Production," <b>VIVECHAN Int. J. of Research</b> , 5, 2014, 1-5.
	130	A.K.Sharda and <b>M.P.Sharma</b> , "Water Quality Assessment of Swan River in Himachal Pradesh, India," <b>Int. J. of Environmental Sciences</b> , 4(3), 2013, 402-414 (Published online in Feb 2014).
	129	Mukesh Kumar & <b>M.P.Sharma</b> , "Potential assessment of microalgal oils for biodiesel production: A review", <b>J.Mater. Environ. Sci.</b> , 5(3), 2014, 757-766.
	128	Gaurav Dwivedi and <b>M.P.Sharma</b> , "Potential and Limitation of straight vegetable oils as engine fuel-An Indian perspective", <b>Renewable and Sustainable Energy reviews</b> , 33, 2014, 316-322.
	127	Gaurav Dwivedi and <b>M.P.Sharma</b> , "Prospects of biodiesel from Pongamia in India", <b>Renewable and Sustainable Energy reviews</b> , 32, 2014, 114-122.
	126	Gaurav Dwivedi and <b>M.P.Sharma</b> , "Impact of Cold Flow Properties of biodiesel on Engine Performance", <b>J. of Renewable and Sustainable Energy Reviews</b> , (31) 2014, 650-656.
	125	Ashutosh Kumar and <b>M.P.Sharma</b> , "Estimation of GHG emission and energy recovery potential from MSW landfill sites", <b>Sustainable Energy Technologies and Assessments</b> , 5, 2014, 50-61
	124	Amit Kumar and <b>M.P.Sharma</b> , "Impact of water quality on GHG emissions from Hydropower Reservoir" <b>J. Mater. Environ. Sci.</b> , 5 (1) 2014, 95-100.
2013	123	Mukesh Kumar and <b>M.P.Sharma</b> , "Production Methodology of Biodiesel from Microalgae", <b>International Journal of Applied Engineering Research</b> , ISSN 0973-4562, Vol. 8, 2013, 1825-1832.
	122	Gaurav Dwivedi, <b>Mahendra Pal Sharma</b> "Cold Flow Behaviour of Biodiesel-A Review" <b>International Journal of Renewable Energy Research</b> , 3(4), 2013, 827-836.
	121	Manika Gupta, N.K.Garg, Himanshu Joshi and <b>M.P.Sharma</b> , "Assessing the impact of irrigation treatments on thiram residual trends: Correspondence with numerical modeling and field-scale experiments", <b>J. of Environ Monit. Assess.</b> , (Springer) DOI 10.107/s10661-013-3480-0 (published online in Oct. 2013).
	120	Gaurav Dwivedi and <b>M.P.Sharma</b> , "Cold Flow Properties of Non Edible Oil in India", <b>International Journal of Applied Engineering Research</b> , 8(16), 2013, 1945-1952.
	119	Gaurav Dwivedi and <b>M.P.Sharma</b> , "Cold Flow Behaviour of Biodiesel-A Review", <b>International Journal of Renewable Energy Research</b> , 3(4), 2013, 827-836.



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	118	Mukesh Kumar, <b>M.P.Sharma</b> and Gaurav Dwivedi, "Algae Oil as Future Energy Source in Indian Perspective", <b>International Journal of Renewable Energy Research</b> , 3(4), 2013, 913-921.
	117	Pradeep Chaudhary and <b>M.P.Sharma</b> , "Benefit cost analysis of lake conservation with emphasis on aesthetics in developing countries" <b>International Journal of Hydrology Science and Technology (Inter-science)</b> Vol 3(2), 2013, 111-127.
	116	Gopiya Naik S., D.K.Khatod and <b>M.P.Sharma</b> , "Optimal Allocation of combined DG and Capacitor for Real Power Loss Minimization in Distribution Networks", <b>Journal of Electrical Power and Energy Systems</b> 53 (2013), 967-973.
	115	A.K.Sharda, <b>M.P.Sharma</b> and Pankaj Dahyat, "Water Quality Profile of Swan River Himachal Pradesh, India using GIS," <b>J. of Water, Energy and Environment (Hydro Nepal)</b> , 13, July 2013, 64-69.
	114	Gaurav Dwivedi, Siddharth Jain and <b>M.P.Sharma</b> , "Production and Performance Evaluation of Diesel Engine Using Biodiesel from Pongamia Oil, <b>International Journal of Energy Science (IJES)</b> , 3(4), 2013, 292-296.
	113	Pradeep Chaudhry, <b>M.P.Sharma</b> , G.Singh & Arun Bansal, "Valuation of Urban Environmental Amenities in Developing Countries: A case study from Chandigarh, India", <b>Global Journal of Science Frontier Research Environment &amp; Earth Science (USA)</b> , 13(2), Version 1.0, 2013, 1-13.
	112	Avinash Kumar Sharda, <b>M.P.Sharma</b> and Sharwan Kumar, "Performance Evaluation of Brewery Waste Water Treatment Plant", <b>International Journal of Engineering Practical Research (IJEPR)</b> 2(3), August 2013, 105-11.
	111	Pradeep Chaudhry, <b>Mahendra Pal Sharma</b> and G. Singh, "Significance of Environmental Amenities in a Planned City: An Evidence from Chandigarh, India" <b>Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT)</b> 4(6), (Jul. - Aug. 2013), 60-66.
	110	Siddharth Jain and <b>M.P.Sharma</b> , "Effect of Metal Contaminants and antioxidants in storage stability of Jatropha Curcas biodiesel", <b>Fuel</b> , 109, 2013, 379-383.
	109	Siddharth Jain and <b>M.P.Sharma</b> , "Engine Performance and Emission Analysis using oxidatively stabilized Jatropha curcas biodiesel", <b>Fuel</b> , 106, 2013, 152-156.
	108	S.Rajkumar, D.K.Srivastava and <b>M.P.Sharma</b> , "Rule Curve Derivation and Operation of Karjan Irrigation Reservoir in India, <b>International Journal of Civil Engineering and Applications</b> 3(2), 2013, 7-10.
	107	Arpit Garg and <b>M.P.Sharma</b> , "Performance Evaluation of Gasifier Engine System using Different Feed Stocks", <b>International Journal of Emerging Technology and Advanced Engineering</b> , 3(6), June 2013, 188-191.
	106	Niharika Varshney, <b>M.P.Sharma</b> and D.K.Khatod, "Optimal Design of Mini Grid for Hybrid Energy System", <b>International Journal of Emerging Technology and Advanced Engineering</b> , 3(7), July 2013, 539-548.
	105	Niharika Varshney, <b>M.P.Sharma</b> and D.K.Khatod, "Sizing of Hybrid Energy System using HOMER", <b>International Journal of Emerging Technology and Advanced Engineering</b> , 3(6), June 2013, 436-439.
	104	Gaurav Dwivedi, Siddharth Jain and <b>M.P.Sharma</b> , "Diesel Engine performance and emission analysis using biodiesel from various oil sources-Review" <b>J. Mater. Environ. Sci.</b> 4(4) 2013, 434-447.
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	118	Gaurav Dwivedi and <b>M.P.Sharma</b> , "Effect of Metal on Stability and Cold Flow Property of Pongamia Biodiesel" Presented in the 4 <sup>th</sup> International Conference on Material Processing and Characterization organized by Deptt. of Mechanical Engg., GR Institute of Engg. and Technology during March 14-15, 2015.
	117	Puneet Verma, <b>M.P.Sharma</b> and Gaurav Dwivedi, "Investigation of Metals and Antioxidants on Stability Characteristics of Biodiesel" Presented in the 4 <sup>th</sup> International Conference on Material Processing and Characterization organized by Deptt. of Mechanical Engg., GR Institute of Engg. and Technology during March 14-15, 2015, 3198-3204 (ICMPC-2015).



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2014	116	Subho Upadhyay and M.P.Sharma, "Development of Hybrid Energy System for a remotely located hilly area in India", Presented in International Conference on Environment and Energy held at Jawaharlal Nehru Technological University, Hyderabad during Dec. 15-17, 2014.
	115	Mukesh Kumar and <b>M.P.Sharma</b> , "Classification of Microalgal Oils for Biodiesel Production on the basis of Cold Flow Properties" In proceedings of International Conference on "Green Technology" for Environmental Pollution Prevention and Control (ICGTEPC 2014) held at National Institute of Technology, Trichy during Sept 27-29, 2014.
	114	Amit Kumar and <b>M.P.Sharma</b> , "Carbon Stock estimation in the catchment of KotliBhel 1A Hydroelectric Reservoir, In India" In proceedings of International Conference on "Green Technology" for Environmental Pollution Prevention and Control (ICGTEPC 2014) held at National Institute of Technology, Trichy during Sept 27-29, 2014.
	113	Gaurav Dwivedi, <b>M.P.Sharma</b> and Prem Kumar, "Impact of Waste Cooking Biodiesel blended with diesel, Kerosene and Ethanol on Engine Performance" In proceedings of International Conference on "Green Technology" for Environmental Pollution Prevention and Control (ICGTEPC 2014) held at National Institute of Technology, Trichy during Sept 27-29, 2014 (The First Author received the Young Scientist Award 2014 in the Category of Renewable and Sustainable Energy).
	112	Naresh Singh Yadav, Amit Kumar and <b>M.P.Sharma</b> , "River Health Assessment of Chambal River using Water Quality Parameters: MP," In proceedings of National Conference on Emerging trends in Engineering Science and Technology (NCETEST-2014) held at College of Engg. Roorkee, Roorkee, India during March 29-30, 2014.
	111	Naresh Singh Yadav, <b>M.P.Sharma</b> and Amit Kumar, "Water Quality Index for Surface Water Assessment: A review" In proceedings of National Conference on National Conference on Recent Trends in Environmental Science, held at Indira Gandhi Academy of Environmental Education, Research & Ecoplaning, Jiwaji University, Gwalior during February 04-05, 2014.
	110	Prem Kumar, <b>M.P.Sharma</b> and Gaurav Dwivedi, "Assessment of Oxidation stability of oils for biodiesel production" In proceedings of National Conference on Emerging Trends in Engineering, Science and Technology, NCETEST-2014 held at College of Engineering, Roorkee during March 29-30, 2014.
	2013 109	Gaurav Dwivedi and <b>M.P.Sharma</b> , "Oil for biodiesel production in India-A Review" In proceedings of National Conference of Emerging Trends in Engineering and Sciences, organised by Faculty of Engineering & Technology, Gurukul Kangri University, Haridwar, Uttarakhand during Nov. 09-10, 2013.
	108	Mukesh Kumar and <b>M.P.Sharma</b> , "Potential of Microalgal Biodiesel as Engine Fuel" In proceedings of National Conference of Emerging Trends in Engineering and Sciences, organised by Faculty of Engineering & Technology, Gurukul Kangri University, Haridwar, Uttarakhand during Nov. 09-10, 2013.
	107	<b>M.P.Sharma</b> , "Fuel from Micro Algae" In proceedings of 2 <sup>nd</sup> Annual International Congress of Algae-2013 (AICA-2013) held at Hanzhou, China during Sept. 23-25, 2013.
	106	Subho Upadhyay and <b>M.P.Sharma</b> , "Optimization of hybrid energy system for off-grid application", In proceedings of 2013 International Conference on Energy Efficient Technologies for Sustainability, held at St. Xavier's Catholic College of Engineering, Nagercoll (Tamilnadu) during April 10-12, 2013.
	105	Gaurav Dwivedi and <b>M.P.Sharma</b> , "Comparative Study of Performance Evaluation of Diesel Engine from Pongamia Biodiesel and Jatropha Biodiesel", In proceedings of



Year	No.	Conferences/Seminars Details
		IEEE-International Conference on Research and Development Prospects on Engineering and Technology (ICRDPET 2013) held on March 29, 30-2013.
	104	Ravi Kumar and <b>M.P.Sharma</b> , "Status of Exploration of Geothermal Energy in India", In proceedings of International Conference on Advances in Chemical Engineering (ACE 2013) held on Feb 22-24, 2013 at IIT Roorkee, India.
	103	Gaurav Dwivedi, <b>M.P.Sharma</b> and Siddharth Jain, "Production methodology of biodiesel from various oil sources"-A Review, In proceedings of International Conference on Advances in Chemical Engineering (ACE 2013) held on Feb 22-24, 2013 at IIT Roorkee, India.
	102	Amit Kumar and <b>M.P.Sharma</b> , "Role of Organic Carbon in Green House Gas Emissions from Reservoirs", In proceedings of International Conference on Advances in Chemical Engineering (ACE 2013) held on Feb 22-24, 2013 at IIT Roorkee, India.
	101	Dutt Nitesh, Saini R.P., <b>Sharma M.P.</b> and Awasthi M.K., "Study of heat transfer characteristics of sensible heat storage for solar thermal energy", In proceedings of International Conference on Advances in Chemical Engineering (ACE 2013) held on Feb 22-24, 2013 at IIT Roorkee, India.
	100	Gopiya Naik S., D.K. Khatod and <b>M.P.Sharma</b> , "Sizing and Siting of Distributed Generation in Distribution network for Real Power Loss Minimization using Analytical Approach", in International Conference on Power, Energy & Control (ICPEC 13)" held on Feb. 06-08, 2013 at Department of Electrical and Electronics Engineering, PSNA CET.
	99	Amit Kumar, Ashutosh Kumar and <b>M.P.Sharma</b> , "Mechanism and Factors Affecting Methane Emissions in Hydropower Reservoirs: A Review", in International Conference on Energy Resources & Technologies for Sustainable Development (ICERTSD 2013" held on 7-9 Feb. 2013 at Bengal Engineering and Science University, Shibpur Howrah, West Bengal.
<b>2012</b>	98	Kawade S, Kumar A, <b>Sharma M P</b> , "Methodologies used for GHG emissions from Tehri Hydropower reservoir", Presented at International workshop for inter-comparison of reservoir GHG flux measurement technologies, Beijing, China, hosted by Institute of Remote Sensing Applications Chinese Academy of Science during 18-24 June, 2012.
	97	Amit Kumar & M.P.Sharma, "Correlation Development for the Effect of Water Quality on GHG Emissions from Hydropower Reservoir", presented in "International Conference on Renewable Energy" held at Eternal University Baru Sabib, Himachal Pradesh, India from May 05-06, 2012.
	96	Gopiya Naik, S, D.K.Khatod and <b>M.P.Sharma</b> , "Optimal Allocation of Distributed Generation in Distribution system for loss reduction", In proceedings of International Conference on Computer Science and Information Technology (IACSIT) held at Coimbatore (published by IACSIT Press, Singapore, Vol 28 (2012) edited by Zeng Zhu.
<b>2011</b>	95	Gopiya Naik, S, D.K.Khatod and <b>M.P.Sharma</b> , "Impacts of Distributed Generation on Distribution Networks: A Review", In proceedings of International Conference on Electrical and Electronics Engineering (ICEEE), held on 21 <sup>st</sup> November, 2011, Bengaluru.
	94	<b>M.P.Sharma</b> , Siddhartha Jain and Shalini Rajvanshi, "Biodiesel production from microalgae" presented at the 6 <sup>th</sup> International Conference on "Sustainable development for Energy, water and Environment systems (SDEWES-11)" held at Dubrovnik, Croatia from Sept. 25-29, 2011.
	93	Md.Farman, Salman Ahmad, Afroz Alam and <b>M.P.Sharma</b> " <i>Chemical Analysis of Insulator Contaminants and Reliability Improvement of T&amp;D line for smart operation of</i>



Year	No.	Conferences/Seminars Details
		<i>grid under chemically polluted environment</i> " In Proceedings of IET Chennai and Dr. MGR University second International Conference on "Sustainable Energy and Intelligent System (SEISCON-2011)" held at Dr. MGR University, Maduravoyal, Chennai, Tamil Nadu during July 20-22, 2011, Pages 529-544.
	92	Md. Farman, Mohit Bansal, Ekram Husain and <b>M.P.Sharma</b> , " <i>pH analysis of insulator contaminants and reliability improvement of T&amp;D line under chemically polluted environment</i> " In proceedings of "International Conference in Deregulated Environment and Energy Markets: held during July 22-23, 2011, Page 82-88.
	91	Md Farman, Afroz Alam and <b>M.P.Sharma</b> , " <i>Off-Grid Hybrid Energy Systems for Rural Electrification</i> " In proceedings of National Conference on Power and Energy Systems (NCPES-2011) held on April 23-24, 2011 organized by University, College of Engineering, Rajasthan Technical University, Kota (Rajasthan) page 51-57.
	90	Kawade Swati Manoharrao, M.P.Sharma and Arun Kumar, "Green-House Gas From Hydropower Reservoirs", In proceedings of International Conference on Sustainable Water Resources Management and Climate Change Adaptation held on Feb.17-19, 2011 organized by National Institute of Technology Durgapur, Durgapur (West Bengal), Page 405-420.
	89	Ravi Kumar and <b>M.P.Sharma</b> , "Current Status of Geothermal Energy Resources and Utilization" In proceedings of International Conference on Thermal Energy and Environment (INCOTEE-2011) held on Jan 24-26, 2011 organized by Department of Mechanical Engineering, Kalasalingam University, Krishnakoil (Tamilnadu), page 1268-1272.
	88	Gaurav Dwivedi, Siddharth Jain and <b>M.P.Sharma</b> , "Jatropha– Source of Biodiesel in India" In proceedings of International Conference on Thermal Energy and Environment (INCOTEE-2011) held on Jan 24-26, 2011 organized by Department of Mechanical Engineering, Kalasalingam University, Krishnakoil (Tamilnadu), page 1279-1282.
	87	Dwivedi Gaurav, Siddharth Jain and <b>M.P.Sharma</b> , "Impact Assessment of Biodiesel as a future energy resource" In proceedings of International Conference on " <i>Science and Engineering (ICSE 2011)</i> " held on Jan 21-23, 2011 at Rohtak (Haryana) and organized by RG Education Society (Reg), Rohtak, ISBN: 978-981-08-7931-0, page 302-305.
	86	Siddharth Jain and <b>M.P.Sharma</b> , "Oxidation Stability of Biodiesel under the influence of metal contaminants" In proceedings of International Conference on " <i>Renewable Energy (ICRE 2011)</i> " held on Jan 17-21, 2011 at Narayan Singh Circle, Jaipur and organized by Centre for Non-Conventional Energy Resources, University of Rajasthan, Jaipur.
2010	85	S.N.Mahato, S.P.Singh and <b>M.P.Sharma</b> , "Direct Vector Control of Stand-Alone Self-Excited Induction Generator" In proceedings of IEEE International Joint Conference of Power Electronics, Drives and Energy Systems 2010 – Power India (PSDES-2010-Power India) held during Dec 20-23, 2010 at India Habitat Centre, New Delhi.
	84	<b>M.P.Sharma</b> , Shalini Rajvanshi, International Conference on "Applications of Renewable and Sustainable Energy for Industry and Society" (REIS 2010) held on December 16-18, 2010 organised by the Department of Physics, Osmania University, Hyderabad-500007, India.
	83	S.N.Mahato, S.P.Singh and <b>M.P.Sharma</b> , "Transient Behavior of a Single-Phase Self-Excited Induction Generator using a three Phase machine with Electronic Load Controller" In proceedings of IECON 2010 - 36th Annual Conference of IEEE Industrial Electronics held on Nov. 07-10, 2010 at Phoenix, Arizona, USA.





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	82	S.N.Mahato, S.P.Singh and <b>M.P.Sharma</b> , “Transient Performance of a Three-Phase Self-Excited Induction Generator Supplying Single Phase Load with Electronic Load Controller” In proceedings of the <b>Conference on Electrical Systems for Aircraft, Railway and Ship Propulsion (ESARS) 2010</b> held on Oct. 19-21, 2010 at San Giovanni in Monte, Bologna, Italy.
	81	Siddharth Jain and <b>M.P.Sharma</b> , “Study of Oxidation Stability of Jatropha Curcas Biodiesel” In proceedings of National Conference on <i>Futuristic Trends in Mechanical Engineering</i> held on Oct. 29-30, 2010 at Ludhiana, Punjab (FTME - 2010) organized by Department of Mechanical Engineering, Guru Nanak Dev Engineering College, Ludhiana (India) p 307-312.
	80	Ravi Kumar, Sachin Mishra, S.K.Singal and <b>M.P.Sharma</b> “Environmental Friendly Hydro Turbine” In proceedings of National Conference on <i>Futuristic Trends in Mechanical Engineering</i> held on Oct. 29-30, 2010 at Ludhiana, Punjab (FTME - 2010) organized by Department of Mechanical Engineering, Guru Nanak Dev Engineering College, Ludhiana (India) p 295-299.
	79	Siddhartha Jain and <b>M.P.Sharma</b> “Jatropha Curcas Oil: A future Source of Biodiesel” In proceedings of International Symposium on Renewable Feedstock for Biofuel and Bio-based Products, held on Aug. 11-13, 2010 at Austin, Texas, USA (Organized by CCG International Inc. & The University of Texas at Austin and published by: CCG International Inc.)
	78	<b>M.P.Sharma</b> and Ila Dashora “Biodiesel from Jatropha Curcas a non-edible oil resource” In proceedings of International Conference on Advances in Renewable Energy (ICARE-2010), held on June 24-26, 2010 (ICARE 215), pp 637-647.
	77	Tarannum and <b>M.P.Sharma</b> , “Mini-grid development for rural electrification in India” In proceedings of International Conference on Advances in Renewable Energy (ICARE-2010), held on June 24-26, 2010 (ICARE 178), pp 207-215.
	76	Siddharth Jain and <b>M.P.Sharma</b> , “Non-edible oil resources as alternative source of diesel” In proceedings of International Conference on Advances in Renewable Energy (ICARE-2010), held on June 24-26, 2010 (ICARE 227), pp 717-726.
	63	A.B.Kanase-Patil, R.P.Saini and <b>M.P.Sharma</b> , “Off Grid Electrification of Remote Rural Area by Integrated Renewable Energy Systems”, In proceedings of 6 <sup>th</sup> International Conference on Hydropower on the theme Hydropower supporting other renewables held at Tromso, Norway during February 1-3, 2010.
2009	75	Ajai Gupta, R.P.Saini and <b>M.P.Sharma</b> “Steady-state Modeling of Hybrid Energy System-Part II: Solution algorithm and case study”, <i>Proceedings of International Conference on Electrical Energy Systems and Power Electronics in Engineering Economics (ICEESPEEE-2009)</i> , April 16-17, 2009, SRM University, Chennai, India, pp 962-971.
	74	Ajai Gupta, R.P.Saini and <b>M.P.Sharma</b> “Steady-state Modeling of Hybrid Energy System-Part I: Development of Model”, <i>Proceedings of International Conference on Electrical Energy Systems and Power Electronics in Engineering Economics (ICEESPEEE-2009)</i> , April 16-17, 2009, SRM University, Chennai, India, pp 1-9.
	73	Ajai Gupta, R.P.Saini and <b>M.P.Sharma</b> “Steady-state Modeling of Hybrid Energy System”, <i>proceedings of IEEE 3<sup>rd</sup> International Conference on Electrical Engineering (IEEE ICEE-2009)</i> , April 11-12, 2009, University of Engineering & Technology, Lahore, Pakistan, pp 1-9.
	72	Ajai Gupta, R.P.Saini and <b>M.P.Sharma</b> “Assessment of Economic Penetration Levels of Photovoltaic Array Area in a Hybrid Energy System” In Proceedings of IEEE 3 <sup>rd</sup> International Conference on Power System (IEEE ICPS-2009), held at IIT Kharagpur, India during December 27-29, Paper Identification Number – 86, pp 1-6.



Year	No.	Conferences/Seminars Details
	71	Ajai Gupta, R.P.Saini and <b>M.P.Sharma</b> "Hybrid Energy System Sizing Incorporating Battery Storage: An Analysis via Simulation Calculation" In Proceedings of IEEE 3 <sup>rd</sup> International Conference on Power System (IEEE ICPS-2009), held at IIT Kharagpur, India during December 27-29, Paper Identification Number – 86, pp 1-6.
	70	Rinku Saran, R.P.Saini and <b>M.P.Sharma</b> "Simulation of wind farm in complex terrain with Fault and Impact of STATCOM", (The Ninth IASTED European Conference on Power and Energy Systems, Palma de Mallorca, SPAIN), September 7-9, 2009. (Reviewed).
	69	Rinku Saran, R.P.Saini and <b>M.P.Sharma</b> "Optimum selection of wind turbine generator in complex terrain for rural electrification", (ISA-RC-24-International Conference on Water, Environment, Energy and Society, India), 28 June 2009. (Accepted).
	68	Rinku Saran, R.P.Saini and <b>M.P.Sharma</b> "Optimal Wind farm design in a hilly area" (International Conference on Advances in Mechanical Engineering ICAME-2009, INDIA), 3-5 August 2009. (Extended abstract accepted and full paper submitted)
	67	Prashant Bharti and <b>M.P.Sharma</b> , "Hybrid Energy System to improve Remotely area energy generation" accepted in SRK-ISA-RC-24- International Conference on Water, Environment, Energy and Society "Weescon 2009", June 28-30, 2009 organized by S.R.K. (P.G.) College, Firozabad, Agra University, India.
	66	Prashant Bharti and <b>M.P.Sharma</b> , "Review of Different Hybrid Energy Systems and Components" presented in National Conference on Energy Security for Rural Development" ESRD-2009 March 26, 2009 at Rural Energy Centre, Gandhigram Rural University, Gandhigram, Dindigul 624-302, Tamil Nadu. (This paper is accepted for publishing in a ISBN indexed book which will be published by Brown walker press, USA (forthcoming)
	65	Yogesh Singh Rajput, Amit Kumar, <b>M.P.Sharma</b> and D.K.Khatod, "Smart Grid Technology and Its Scope in India" In Proceedings of the National Conference on Renewable Energy (NaCORE 2009) held at Jodhpur on November 5-7, 2009 (Edited by A.D.Vyas, U.S. Mirdha & Mukesh Vyas of Vyas Institute of Engineering and Technology, Jodhpur and published by Macmillan Publishers India Ltd.) Page 84-88.
	64	<b>M.P.Sharma</b> , Anubhuti Agrawal and D.K. Khatod, "Integrated Renewable Energy Sources and Control of Power Through Microgrid" In Proceedings of the National Conference on Renewable Energy (NaCORE 2009) held at Jodhpur on November 5-7, 2009 (Edited by A.D.Vyas, U.S. Mirdha & Mukesh Vyas of Vyas Institute of Engineering and Technology, Jodhpur and published by Macmillan Publishers India Ltd.) Page 197-202.
	62	<b>M.P.Sharma</b> , N.Raghunath Bhosale, "Energetics of Rice Cultivation in India", In proceedings of "National Workshop on Emerging horizons in Biofuel Research and applications (NWEHBRA-2009)" held at Raja Balwant Singh College, Agra on July 25-27, 2009.
<b>2008</b>	61	K.Balasubramanian, M.K. Singal & <b>M.P.Sharma</b> , " Techno-economic Analysis of Decentralized STPs" In proceedings of National Seminar on "Conservation and Restoration of Lakes (CAROL-2008) held on Oct. 16-17, 2008 at Nagpur India (organized by NIH Roorkee in Association with NEERI, Nagpur)
	60	A.B.Kanase-Patil, R.P.Saini and <b>M.P.Sharma</b> , "Integrated Renewable Energy Systems for Off Grid Electrification of Remote Rural Areas", In proceedings of Renewable Energy Asia 2008: An International Conference & 4 <sup>th</sup> SEE Forum Meeting, December 11-13, 2008, IIT Delhi (India), SEE Forum & G – CEO (Kyoto University) Japan, P-159-165.
	59	A.B. Kanase-Patil, R.P.Saini, <b>M.P.Sharma</b> , "Optimum Utilization of Renewable Energy Sources in a Remote Area" In proceedings of the International Conference on



Year	No.	Conferences/Seminars Details
		"Advances in Mechanical Engineering" held on December 15-17, 2008 at S.V. National Institute of Technology, Surat, Gujarat, India, P-229-234.
	58	Ajai Gupta, R.P.Saini, <b>M.P.Sharma</b> , "Computerized Modeling of Hybrid Energy System – Part III: Case Study with Simulation Results", Proceedings of IEEE 5 <sup>th</sup> International Conference on Electrical and Computer Engineering (IEEE ICECE-2008). Dec.20-22, 2008, Bangladesh University of Engineering & Technology, Dhaka, Bangladesh, pp 19-24.
	57	Ajai Gupta, R.P.Saini, <b>M.P.Sharma</b> , "Computerized Modeling of Hybrid Energy System – Part II: Combined Dispatch Strategies and Solution Algorithm", Proceedings of IEEE 5 <sup>th</sup> International Conference on Electrical and Computer Engineering (IEEE ICECE-2008). Dec.20-22, 2008, Bangladesh University of Engineering & Technology, Dhaka, Bangladesh, pp 13-18.
	56	Ajai Gupta, R.P.Saini, <b>M.P.Sharma</b> , "Computerized Modeling of Hybrid Energy System – Part I: Problem Formulation and Model Development", Proceedings of IEEE 5 <sup>th</sup> International Conference on Electrical and Computer Engineering (IEEE ICECE-2008). Dec.20-22, 2008, Bangladesh University of Engineering & Technology, Dhaka, Bangladesh, pp 7-12.
	55	Ajai Gupta, R.P.Saini, <b>M.P.Sharma</b> , "Hybrid Energy System for Remote Area – An Action Plan for Cost Effective Power Generation", Proceedings of IEEE 3 <sup>rd</sup> International Conference on Industrial and Information System (IEEE ICIS-2008). Pp. 1-6, Dec.8-10, 2008, Indian Institute of Technology, Kharagpur, India, pp. 1-6.
	54	<b>M.P. Sharma</b> , V.Goel, & A.Kumar, "Water quality mapping of Kosi river using benthic macroinvertebrates", In ASSESS-HKH: Proceedings of the International Scientific conference on "Rivers in Hindu Kush-Himalaya- Ecology and Environmental Assessment" held at Kathmandu, Nepal on March 03-07, 2008 (Edited by Otto Moog, Daniel Hering, Subodh Sharma, Ilse Stubauer and Thomas Korte, 2008 and printed in Nepal) (ISBN-978-3-00-024806-1), P-179-188.
	53	<b>M.P.Sharma</b> & A. Kumar, "Sustainable water resources management strategies in India", In ASSESS-HKH: Proceedings of the International Scientific conference on "Rivers in Hindu Kush-Himalaya- Ecology and Environmental Assessment" held at Kathmandu, Nepal on March 03-07, 2008 (Edited by Otto Moog, Daniel Hering, Subodh Sharma, Ilse Stubauer and Thomas Korte, 2008 and printed in Nepal) (ISBN-978-3-00-024806-1), P-155-163.
	52	M.Shrestha, B.Pradhan, A. Hoffman, G.K. Chhopel, M.F.Bari, M.A. Khalown, <b>M.P.Sharma</b> & S.Sharma, "River management strategy in the Hindu Kush-Himalayan Region", In ASSESS-HKH: Proceedings of the International Scientific conference on "Rivers in Hindu Kush-Himalaya- Ecology and Environmental Assessment" held at Kathmandu, Nepal on March 03-07, 2008 (Edited by Otto Moog, Daniel Hering, Subodh Sharma, Ilse Stubauer and Thomas Korte, 2008 and printed in Nepal) (ISBN-978-3-00-024806-1), P-145-153.
	51	M. Shrestha, B.Pradhan, A.Hoffmann, G.K. Chhopel, M.F.Bari, M.A.Khalown, <b>M.P.Sharma</b> & S.Sharma, "River water quality pressure, impacts and policies in the Hindu Kush-Himalaya", In ASSESS-HKH: Proceedings of the International Scientific conference on "Rivers in Hindu Kush-Himalayan- Ecology and Environmental Assessment" held at Kathmandu, Nepal on March 03-07, 2008 (Edited by Otto Moog, Daniel Hering, Subodh Sharma, Ilse Stubauer and Thomas Korte, 2008 and printed in Nepal) (ISBN-978-3-00-024806-1), P-137-143.



Year	No.	Conferences/Seminars Details
	50	I. Stubauer, O. Moog, D. Hering, T. Korte, A. Hoffmann, K. Brabec, S.Sharma, M. Shrestha, M.A. Kahlown, M.A. Tahir, A. Kumar, <b>M.P.Sharma</b> , M.F. Bari, A.B.M. Badruzzaman & G.K.Chopel, "The ASSESS-HKH Project: Context, approaches, objectives and results", In ASSESS-HKH: Proceedings of the International Scientific conference on "Rivers in Hindu Kush-Himalaya- Ecology and Environmental Assessment" held at Kathmandu, Nepal on March 03-07, 2008 (Edited by Otto Moog, Daniel Hering, Subodh Sharma, Ilse Stubauer and Thomas Korte, 2008 and printed in Nepal) (ISBN-978-3-00-024806-1), P-9-15.
	49	Siddarth Jain, <b>M.P.Sharma</b> & Shalini Rajvanshi, "Evaluation of Engine Performance on Biodiesel from waste cooking oil" presented at 12 <sup>th</sup> world multi-conference on Systemics, Cybernetics & Informatics (WMSCI-2008) under Energy, Informatics & Cybernetics (EIC-2008) organized by International Institute of Informatics & Systemics (IIS) on June 29, 2008 at July 02, 2008 at Orlando, Florida, USA. Volume II. P 233-237.
2007	48	A.B. Kanase-Patil, R.P.Saini & <b>M.P.Sharma</b> , "Biomass Based Electricity Production Technologies" In proceedings of 23 <sup>rd</sup> National Convention of Chemical Engineer on Recent Trends in Chemical Engineering held on Oct. 5-7, 2007 at Chemical Engineering Department, IIT Roorkee, 94-201.
	47	A.B. Kanase-Patil, R.P.Saini & <b>M.P.Sharma</b> , "Development of Integrated Renewable Energy Systems for Electrification of Rural Remote Areas" In Proceedings of All India Seminar on "Energy, Environment and Economics" held on Nov. 3-4, 2007 at NIT, Rourkela, Chhattisgarh, TP13-1 to TP13-9.
	46	<b>M.P.Sharma</b> & Richa Agarwal "Non-edible oils as Potential Resources of Biodiesel" In proceedings of 23 <sup>rd</sup> National Convention of Chemical Engineer on Recent Trends in Chemical Engineering held on Oct. 5-7, 2007 at Chemical Engineering Department, IIT Roorkee, 202-211.
	45	Ajai Gupta, R.P.Saini & <b>M.P.Sharma</b> , "Design of an Optimal Hybrid Energy System Model for Remote Rural Area Power Generation" Proceedings of IEEE 1 <sup>st</sup> International Conference on Electrical Engineering (IEEE ICEE-2007), April 11-12, 2007, University of Engineering & Technology, Lahore, Pakistan, pp. 1-6.
	44	<b>M.P.Sharma</b> , Praveen Sharma & Richa Agarwal "Potential of Biodiesel Production from Non-edible oil feedstocks", In proceeding of All India Seminar on Energy and Environmental Issues related to chemical industry held on March 10 and 11, 2007 held at The IE(I), UPSC, Engineers Bhavan, River Bank Colony, Lucknow-226018.
2006	43	S.N.Mahato, S.P.Singh & <b>M.P.Sharma</b> "Dynamic Eigenvalue Analysis of a Self-Regulated Self-Excited Single-Phase Induction Generator using a Three-Phase Machine", In Proc: "14th National Power Systems Conference" at Department of Electrical Engineering, Indian Institute of Technology Roorkee, Uttaranchal on Dec. 27-29, 2006, 1-7.
	42	Ajai Gupta, R.P.Saini & <b>M.P.Sharma</b> "Optimized Application of Hybrid Renewable Energy System in Rural Electrification" Proceedings of IEEE India International Conference on Power Electronics (IEEE IICPE-2006), Dec. 19-21, 2006, Chennai, India, pp. 337-340.
	41	S.N. Mahato, S.P.Singh & <b>M.P.Sharma</b> "Determination of Minimum and Maximum Capacitances of Self-Regulated Self-Excited Single-Phase Induction Generator using a Three-Phase Winding", In Proc: "India International Conference on Power Electronics (IEEE-IICPE 2006)" (Theme: Powerful Future through Technology Innovations) held at Chennai on December 19-21, 2006, 28-33.





Year	No.	Conferences/Seminars Details
	40	Ajai Gupta, R.P.Saini & <b>M.P.Sharma</b> “Economic Aspects of Hybrid Renewable Energy Systems for Remote Area” Proceedings of IEEE International Conference on Industrial Technology (IEEE ICIT-2006) Dec. 15-17, 2006, Mumbai, India, pp 1706 – 1710.
	39	S.N.Mahato, <b>M.P.Sharma</b> & S.P.Singh “Analysis of Transient Behavior of a Single-Phase Self-Regulated Self-Excited Induction Generator using a Three-Phase Machine” in Proc.: “IEEE International Conference on Industrial Technology (ICIT 2006)” (Theme: IEEE International Conference on Industrial Technology ICIT 2006) held at Mumbai, India, on December 15-17, 2006, 2709-2714.
	38	S.N.Mahato, <b>M.P.Sharma</b> & S.P.Singh “ Transient Analysis of a Single-Phase Self-Excited Induction Generator using a Three-Phase Machine feeding Dynamic Load”, In Proc.: “IEEE International Conference on Power Electronics and Drive Systems for Industrial Growth (PEDES-2006)” held at New Delhi on December 12-15, 2006.
	37	Ajai Gupta, R.P.Saini & <b>M.P.Sharma</b> “Modeling of Hybrid Energy System for off Grid Electrification of Clusters of Villages”, Proceedings of IEEE International Conference on Power Electronics, Drives and Energy Systems for Industrial Growth (IEEE PEDES-2006), Dec. 12-15, 2006, Delhi, India, pp. 1-6.
	36	R.D. Chauhan, <b>M.P.Sharma</b> , R.P. saini & vinod Kumar “Biodiesel – A case study of UPSRTC” In proc. Of the seminar on “Recent Trends in Science, Technology & its Applications” organized by S.D. college of Engg. & Tech. Muzaffarnagar on Jan 7-8, 2006, PP 277-280.
	35	Ajai Gupta, R.P. Saini & <b>M.P. Sharma</b> “Renewable Energy Models – A Review” Proceedings of National Conference on Technical Challenges in Power Systems, March 24-25, 2006, Sultanpur, India, PP 137-140.
	34	Ajai Gupta, R.P Saini & <b>M.P Sharma</b> “Methodology for Optimization of Integrated Renewable energy Systems”, Proceedings of National Conference on “Technical challenges in Power systems” March 24 – 25, 2006, Sultanpur, India, PP 30-34.
	33	Ajai Gupta, R.P. Saini & <b>M.P. Sharma</b> “Photovoltaic-Powered, Rural Household in Uttaranchal”, Proceedings of International Conference on Challenges and Strategies for Sustainable Energy, Efficiency & Environment, June 10-11, 2006, Lucknow, India, pp. 271-277,
2005	32	S.N. Mahato, <b>M.P.Sharma</b> & S.P.Singh on “Stand-alone hybrid energy system for isolated power supply”, In Proc: International Conference on Science & Technology, held at St. Berchmans College, Changanassery, Kerala during December 12-13, 2005.
	31	<b>M.P. Sharma</b> , R.P. Saini, S.K. Singal & R.D. Chauhan “Jatropha – A hope of biodiesel in Uttar Pradesh” In Proceedings of 3 <sup>rd</sup> International Conference on “Plants & Environmental Pollution Organised by International Society of Environmental Botanists of National Botanical Research Institute, Lucknow on Nov 28-Dec 02, 2005, SVI/ P – 13.
	30	R.D. Chauhan, <b>M.P. Sharma</b> & S.K. Singal “Study on the applicability of Mixture rule for biodiesel blend” in Proc. Of National Conference on Energy Management in Changing Business Scenario (EMCBS –2005) organized by BITs, Pilani on Oct. 8-9, 2005.
	29	S.N. Mahato, <b>M.P. Sharma</b> & S.P. Singh “Dynamic Behaviour of Self-Excited Self-Regulated Single Phase induction generator using 3 $\phi$ machine” In Proc. Of International Conference on “computer Application in Electrical Engineering _ Recent Advances’ organized by Deptt. of Electrical Engg., IIT, Roorkee on Sept. 2 to Oct. 01, 2005, PP 520-527.



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2004	28	Anurag Trivedi, <b>M.P. Sharma</b> & S.P. Singh, "Voltage Regulation Schemes for Self Excited Induction Generators", In Proceedings of National Workshop on "Emerging Scenario in Hydro-Thermal Power" held at SHSL-Central Institute of Engineering & Technology, Longowal (Punjab) on Sept. 15, 2004.
	27	B.K. Barnwal, <b>M.P. Sharma</b> & B. Prasad, "Biodiesel Based Rural Electrification in India", In Proceedings of the World Energy Council held at New Delhi on March 12-14, 2004.
	26	A.K. Rout & <b>M.P. Sharma</b> , "Rural Electrification by Solar Form Systems", In Proceedings of the National Seminar on "Safety, Environment and Energy Management (SEEM-2004) held at Department of Chemical Engineering, National Institute of Technology, Tiruchirappalli-620 015 (Tamil Nadu) on June 05, 2004, P.ST-4.
	25	<b>M.P. Sharma</b> "Distributed Generation As Electric Power Source For Remote Areas", presented at the XIII National Conference of Indian society of Mechanical Engineers (ISME-2003) held on December 30-31, 2003, at IIT, Roorkee, 2003, P-TH-004.
2003	24	Anurag Trivedi, <b>M.P. Sharma</b> and S.P. Singh, "Self Excited Induction Generator as Downsizing Technology For Generation of Electricity for Rural Development". In proceedings of International Seminar on "Downsizing Technology for Rural Development" (ISDTRD-2003) held at Regional Research Laboratory, Bhubaneswar, Orissa on October 7-9, 2003, 416-423.
	23	A. K. Akella, R. P. Saini and <b>M. P. Sharma</b> "Electrification of Remote Areas Through Renewable Energy Sources". In proceedings of Technical Session on "Global Summit on Infrastructure Development of Jharkhand" organized by RIT, Jamshedpur, on Jan 11-12, 2003. P 52-57.
2002	22	<b>M.P. Sharma</b> & R.P. Saini "Solar Photovoltaic Based Electrification of Remote Areas" In Proceedings of National Symposium "Recent Advances in Renewable Energy Technologies", held at Shivaji University, Kollahapur on August 13-15, 2002 (Published in the book entitled "Advances in Renewable Technologies" edited by S.H. Pawar and L.A. Ekal and published by Narosa Publishing House, New Delhi, 2003, 157-166.
	21	R. P. Saini, <b>M. P. Sharma</b> and P. K. Bhaskar "Development of a Hybrid SPV-Diesel engine based electricity generation system". In proceedings of the National Seminar on "Advances in Solar Energy Technologies" organized by Department of Mechanical Engineering, MBM Engineering College, Jodhpur on Jan 29-30, 2002 (Published by Allied Publishers Pvt. Ltd. New Delhi) P-91-98.
2000	20	R.P. Saini and <b>M.P. Sharma</b> "Techno-Economics of Renewable Energy Based Rural Water Supply Systems". In Proceedings of International Conference on "Innovative Technologies for Rural Water Supply & Environmental Sanitation" Organised by Centre for Continuing Education, University of Roorkee, Roorkee, Oct. 12-13, 2000, P. 211-217.
1999	19	R.P. Saini, <b>M.P. Sharma</b> & A.K. Bharadwaj "Development of Integrated Renewable Energy System for an Indian village" In Proceedings of the 23rd National Renewable Energy Convention, 99 on the Theme: "Renewable Energies and Energy Efficiency for Substantiable Development" organised by Devi Ahilya Vishwavidyala, Indore on December 20-22, 1999. Editors : Dr. R.L. Sawhney, B. Buddhi & R.P. Gautam.
1998	18	<b>M.P. Sharma</b> & J.D. Sharma "Bagasse based co-generation system for Indian Sugar Mills" Proceedings of The World Renewable Energy Congress - V, held on September 20-25, 1998 at University of Florence, Florence, <b>Italy</b> . Part-II Pergamon Press, UK, Page 1011-1014 (Editor by A.A.M. Sayigh) under the title "Renewable Energy-Energy Efficiency, Policy & the Environment.



Year	No.	Conferences/Seminars Details
1995	17	<b>M.P. Sharma</b> , B. Prasad & J.D. Sharma, 'Environmental Implications of Domestic chulhas'. In Proc. of 11th National Convention of Chemical Engineers, Sept. 28-29, 1995 (organised by Deptt. of Chemical Engineering, University of Roorkee, and Institutions of Engineers (India), Roorkee.
1991	16	S.Mittal & <b>M.P.Sharma</b> . "Integrated Enegy Approach for making micro hydel economically viable". Proc. of a Seminar on "Potential of development of non-conventional energy technologies in the armed forces" held at 'Institution of Military Engineering, Pune, on 22-23 Jan. 1991, 295-308.
1990	15	S.K. Sharma, J.S. Saini, I.M. Misra & <b>M.P. Sharma</b> . "Effect of temperature on biogas generation". Proc. of Asia-Pacific Biochemical Engineering Conference '90, held at Department of Chemical Engineering, KAIST, Korea in April 1990,p 581-584.
	14	M.P.Jain., B.Prasad & <b>M.P.Sharma</b> . Performance evaluation of A biomass gasification based electricity generation system of 15 kVA rating". Proceedings of "The World Renewable Energy Congress". held at University of Reading, Reading (U.K) on 23-28 Sept. 1990, 1177.
	13	S.K.Sharma., M.P.Jain., <b>M.P.Sharma</b> ., I.M.Mishra & J.S.Saini. "Anaerobic digestion of crops & forest residues". Proceedings of "The World Renewable Energy Congress". held at University of Reading, Reading (U.K) on 23-28 Sept. 1990, p. 1932.
1989	12	<b>M.P. Sharma</b> & J.S. Upadhyaya "Plants and silvichemicals & their importance in human affairs" proceedings of "Nature conservators" symposium on "Environmental Protection-A movement" held at D.A.V. College Muzaffar Nagar on 18 & 19th July, 1989, 64-71.
1988	11	S.K. Sharma, I.M. Misra; J.S. Saini and <b>M.P. sharma</b> "Fuelwood: conversion & Utilisation through Thermal & Biogasification" Proceedings of 5th Annual Convention & Symposium' 88 of Bio-Energy society of India held at Vadodara on 30-31st October, 1988, 333-338.
	10	<b>M.P. Sharma</b> , "Fuel Wood Production and Utilization for Energy" proceedings of at 5th Annual Convention of Bio-Energy Society of India organised by Gujrat Energy Development Agency, Baroda, held on 30-31st October 1988, 99-105.
	9	S.K. Sharma, I.M. Misra, J.S. Saini and <b>M.P. Sharma</b> "Biogas Generation from Agricultural residues for Rural Development" Proceedings of National Seminar on "Pragmatic strategies for Process Utilities with special emphasis on Conservation of Energy and Environment (4th National Convention of Chemical Engineers)" organised by the Institution of Engineers (India), Roorkee Local Chapter (University Campus), Roorkee on 3-4 October 1988, P:II 5-9.
	8	<b>M.P. Sharma</b> and B. Prasad, "Integrated Renewable Energy Systems" Proceedings of National Seminar on "Pragmatic strategies for Process Utilities with special emphasis on Conservation of Energy and Environment (4th National Convention of Chemical Engineers)" organised by the Institution of Engineers (India), Roorkee Local Chapter (University Campus), Roorkee on 3-4 October 1988, P: II 10-15.
1987	7	M.P. Sharma & B. Prasad "Biomass Energy based Brick and Lime Kilns" proceedings of National Solar Energy Convention'87 (NSEC-1987) and Workshop on Techno-economics of Renewable Energy Power generating Systems" held at Indian Institute of Technology, New Delhi on 1-4 December, 1987.
	6	J.S. Saini, B. Prasad & <b>M.P. Sharma</b> "Energy from Biomass" A paper presented at XX Engineers Day Celebrations at KDMIPE, Dehradun held on September 15,1987 on the Theme "Reuse technology" & organised by the Institution of Engineers (India), Roorkee, Local Centre.



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	5	S.K. Sharma; J.S. Saini, I.M. Misra & <b>M.P.Sharma</b> "Effect of stirring on Biogas generation" Proceedings of Fourth Convention & Synmposium of Bio-Energy Society of India Organised by Rajasthan Local Chapter at College of Technology & Agricultural Engg. Sukhadia University, Udaipur (Raj.) held on September 4-5, 1987 (Focal Theme; Bio Energy For Arid Regions).
	4	<b>M.P. Sharma</b> , B. Prasad & J.S. Saini "Development of Rural Energy Complex at village Brahampur," Proceedings of a seminar on National Seminar on status & Growth strategies of Chemical & Allied Industries (NS-GAGSO CAAI-86) organised by the Institution of Engineers (India) U.P. State Centre, Lucknow, held on Dec. 22-24, 1986, P.III, 45-48.
1986	3	B. Prasad, <b>M.P. Sharma</b> & J.S. Saini, "Decentralised Micro Hydro Energy Systems" Proceedings of a seminar on National Seminar on status & Growth strategies of Chemical & Allied Industries (NS-GAGSO CAAI-86) organised by the Institution of Engineers (India) U.P. State Centre, Lucknow, held on Dec. 22-24, 1986, P-III, 41-44.
1985	2	B. Prasad, <b>M.P. Sharma</b> ; O.D. Thapar and J.S. Saini "Studies on Electrical Gasification of Biomass at Atmospheric Pressure" a paper presented at the Seminar on Energy Conservation in Process Industries" organised by Institution of Engineers (India), Roorkee Local Centre held on 1-2, July 1985.
1980	1	<b>M.P. Sharma</b> , B. Prasad and J.S. Saini "Role of Biomass Energy in Rural Development" presented at a Seminar (held on 16-17 April 1980) organised by U.P. Council of Science & Technology, Lucknow (UP).

## D SPECIAL PUBLICATION

Year	No.	Books Details
2014	4	N.S.Yadav, <b>M.P.Sharma</b> , A.Kumar and S.Pani, "Water Quality Assessment of Chambal River in National Chambal Sanctuary of Madhya Pradesh" a chapter in the book entitled Environmental Sustainability: Concepts, Principles, Evidences and Innovations (edited by Prof. Govind Chandra Mishra) published by Excellent Publishing House, New Delhi (ISBN: 2014, 978-93-83083-75-6).
2011	3	Siddharth Jain and <b>M.P.Sharma</b> "Jatropha Curcas Oil: A Future Source of Biodiesel" Chapter 25 published in the book entitled " <b>Plant Fibers as Renewable Feedstocks for Biofuel and Bio-based Products</b> " edited by Dr. Charles L. Webber III and Dr. Aimin Liu and published by CCG International Inc. St. Paul, USA, 2011 (ISBN 978-0-9748696-1-2).
2010	2	Siddhartha Jain and <b>M.P.Sharma</b> "Biodiesel from High FFA Oils" A book published by VDM Verlag, Germany published on May 2010 (ISBN: 3639255879) 136 pages.
2003	1	Edited AHEC publication entitled "Small Hydro Power: Initiatives & Private Sector Participation", 3 <sup>rd</sup> Edition (2003), total pages 586.