



# 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: 14, Ph.D. Thesis in progress: 01, 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 Bhubaneshwar" (Coordinator) sponsored by Bhubaneshwar Development Authority, Bhubaneshwar (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



- : (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**

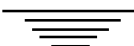
- : (i) BESI, ISTE, SESI and IHA
- : (i) Member of BIS (Reservoir and Lakes Sessional Committee, WR-10), New Delhi.
- (ii) Member of Panel of Experts for State Executive Committee for National Ganga River basin project in Jharkhand.
- (iii) Member of Advisory Board to the program of “TERI higher education 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 : **197**
    - b. National & International conferences : **121**
    - c. Book Published : **04**
- } List at Annex-I attached.





## A. PAPERS PUBLISHED IN RESEARCH JOURNALS

Year	No.	Journal Details
1979	1.	P.K. Srivastava; J.S. Upadhyaya and <b>M.P. Sharma</b> , "The Potential Antithyroid Agents-IV" - <i>Indian J. Pharm. Sci.</i> 41 (5), (1979), 191.
1981	2.	S.P. Srivastava; J.S. Upadhyaya and <b>M.P. Sharma</b> , "Potential Antineoplastic Agents" IV, <i>Ind. J. Chem.</i> 20B (1981), 631.
	3.	V.K. Mashesh; <b>M.P. Sharma</b> and Virendra Kumar "TLC Separation of some Benzothiazole Derivatives" <i>Frences Z. Anal. chem.</i> 309, (1981), 405.
	4.	<b>M.P. Sharma</b> ; S.P. Srivastava; V.K. Mahesh; M.P. Saluja and J.C. Sharma "Chemical Investigation of Beaumontia Grandiflora Wall" <i>J. Indian Chem. Soc.</i> 58 (1981), 927.
	5.	<b>M.P. Sharma</b> ; J.S. Upadhyaya and R.K. Swami "Potential Antineoplastic Agents-V" <i>Indian J. Pham. Sci</i> 43(5), (1981), 197.
1982	6.	<b>M.P. Sharma</b> ; S.P. Srivastava; V.K. mahesh; M.P. Saluja and J.C. Sharma "Chemical Investigation of Wrightia Mollissima Wall" <i>J. Ind. Chem. Soc.</i> LIX (6), (1982) 810.
	7.	W.U. Malik; R. Jain and <b>M.P. Sharma</b> "Polarographic studies on the Reduction of the Azomethine Bond in Aryl Thiosemi-Carbazides and the Determination of Hammett Parameters" <i>J. Ind. Chem. Soc.</i> 57, (1982), 1057.
1983	8.	P.K. Aggarwal & <b>M.P. Sharma</b> "Chemical Constituents of Allamanda Cathartica" <i>Ind. J. Pharm Sci.</i> 45, (1983), 246.
1985	9.	<b>M.P. Sharma</b> and R.K. Swami "TLC Separation of some closely Related Substituted Benzothiazonlyl Pyrazole Derivatives" <i>J. Liquid Chromatography</i> , 8(7) (1985), 1993.
1986	10.	<b>M.P. Sharma</b> & B. Prasad, "Development of Downdraft Gasifier for Thermal and Power Generation Applications" <i>Energy Management J.</i> 11(4), (1986), 297-304.
1987	11.	S.K. Sharma; J.S. Saini, I.M. Misra & <b>M.P. Sharma</b> "Biogas Generation-Effect of mixing effluent slurry with fresh cattle dung" <i>Energy management J.</i> 11(3), (1987). 197-202.
	12.	S.K. Sharma; J.S. Saini, I.M. Misra & <b>M.P. Sharma</b> "Pre-digestion of Rice Straw to improve biogas production" <i>Urja, Energy Journal</i> , XXII (3), (1987). 203-209.
	13.	S.K. Sharma, J.S. Saini, I.M. Misra & <b>M.P. Sharma</b> "Mirabilis Leaves- A potential source of methane". <i>Biomass</i> , 13(1), (1987). 13-24.
1988	14.	<b>M.P. Sharma</b> "Hybrid Energy Systems" <i>Science Reporter</i> , 25(1) (1988). 25-29.
	15.	S.K. Sharma, J.S. Saini, I.M. Misra & <b>M.P. Sharma</b> "Effect of Particle size on the biogas generation from biomass residues" <i>Biomass</i> , 17,(1988). 251-263.
	16.	S.K.Sharma., <b>M.P.Sharma.</b> , I.M.Mishra & J.S.Saini. "Biogasification of Banana Peeling & Ipomoea Fistulosa Leaves". <i>Khadi Gramodyog</i> , XXXIII (7), (1988). 324-332.
1989	17.	S.K. Sharma, I.M. Misra, J.S. Saini and <b>M.P. Sharma</b> "Biogasification of woody Biomass: Ipomoea fistulosa plant Stem" <i>Biological Waste.</i> 28, (1989). 25-32.
	18.	S.P. Goel, G.R. Verma, <b>M.P. Sharma</b> & Sanjive Kumar "Preparation of Potassium Trimolybdate by the thermal decomposition of a new oxomolybdenum (VI) Oxalato Complex" <i>Thermochimica Acta</i> 141 (1989). 87-92.
	19.	S.K. Sharma, J.S. Saini, I.M. Misra & <b>M.P. Sharma</b> "Biogas from biomass" <i>Indian J. Rural Technology</i> 1(1) (1989). 1-17.
	20.	<b>M.P. Sharma</b> and B. Prasad, "Bio-Energy based conservation of Conventional Fuel Resources" <i>J. Nature conservation.</i> 1(2), (1989). 107-114.
	21.	S.K.Sharma., <b>M.P.Sharma</b> & I.M.Mishra. "Biomethanation of Ipomoea fistulosa: Its kinetics; Effect of pH and TVFA". <i>Asian Environment</i> , 11(4), (1989), 64-76.



Year	No.	Journal Details
	22.	S.K.Sharma., I.M.Mishra., <b>M.P.Sharma</b> . "Cauliflower leaves-A source of methane". <b>Regional J. Energy, Heat &amp; Mass Transfer</b> . 11(3), (1989). 155-64.
1990	23.	<b>M.P.Sharma</b> & M.P.Jain. Biomass-A potential source of Renewable Energy". <b>Indian J. Rural Technology</b> . 2(1), (1990), 43-54.
	24.	S.K.Sharma., <b>M.P.Sharma</b> & I.M.Mishra. "Generating biogas from agricultural residues". <b>Rural Technology</b> , Sept., 1990, 17-20.
	25.	S.P.Goel., G.R.Verma, Sanjeev Kumar & <b>M.P.Sharma</b> . "Preparation of caesium tetramolybdate by the thermal Decomposition of a New Oxomolybdenum (VI) Oxalato complex, <b>Thermochemica Acta</b> , 170, (1990), 1-6.
	26.	S.P.Goel, G.R.Verma, S.Kumar and <b>M.P.Sharma</b> , 'Investigation of the formation of Potassium Trimolybdate via Oxomolybdenum(VI) Oxalato complex', <b>J. Thermal Analysis</b> , 36, (1990), 2349-2356.
1991	27.	S.P.Goel, G.R.Verma, S.Kumar and <b>M.P.Sharma</b> , 'Preparation of Cesium Trimolybdate by the thermal decomposition of a New Oxomolybdenum(VI) Oxalato complex', <b>J. Thermal Analysis</b> , 37, (1991), 427-432.
	28.	S.P.Goel, S.Kumar and <b>M.P.Sharma</b> , 'Preparation, Characterization and thermal decomposition of a new Oxomolybdenum (VI) Oxalato complex' <b>Thermochemica Acta</b> , 188(2), (1991), 201-205.
	29.	<b>M.P. Sharma</b> "Biogas Generation from Biomass Residues - An Overview" <b>Rural Technology Journal</b> , 8(3), (Dec. 1991), 1- 11.
1993	30.	S.K. Sharma, I.M. Misra & <b>M.P. Sharma</b> , "Biogas production from biomass residues" <b>Indian J. Rural technology</b> , 5(2), 1993, 57-67.
1994	31.	<b>Sharma, M.P.</b> `Biogas generation from Biomass - A Lab and Pilot Study' <b>Indian J. Rural Technology</b> , 6(1), 1994, 7-17.
1995	32.	<b>Sharma, M.P.</b> , D. Bhattacharya, U.C. Chaubey & Brijesh Chandra, `Replacement of Conventional Energy with Non-Conventional Energy for on-farm use' <b>Indian J. Rural Tech</b> , 7 (1&2), 1995, 23-26.
1997	33.	S. Mittal and <b>M.P. Sharma</b> "Economically Viable Integrated Renewable Energy Systems" <b>J. of Rural Energy</b> , 4(1-4), 1997, 29-39.
1999	34.	<b>M.P. Sharma</b> & J.D. Sharma "Bagasse based co-generation systems for Indian Sugar Mills" <b>Renewable Energy</b> , 16, 1999, 1011-1014.
2001	35.	<b>M.P. Sharma</b> "Alternative Feedstocks for Biogas Production" <b>J. Environmental Studies and Policy</b> , 3 (2), 2001, 61-68.
2003	36.	S.K. Sharma, P.K. Modi, <b>M.P. Sharma</b> & S.P. Singh on "Loss Reduction in Indian Rural Distribution System by Network Reconfiguration", <b>International Journal of Water &amp; Energy</b> , 60 (1), 2003, 30-45.
	37.	S.K. Sharma, <b>M.P. Sharma</b> , P.K. Modi & S.P. Singh "Loss Reduction in Indian Rural Distribution System by Network Reinforcement", <b>Nigerian Journal of Renewable Energy</b> , 11(1&2), 2003, 63-78.
2005	38.	B.K. Barnwal & <b>M.P. Sharma</b> "Prospects of Biodiesel Production from Vegetable Oils in India", <b>J. Renewable &amp; Sustainable Energy Reviews</b> , 9, 2005, 363-378.
2006	39.	<b>M.P.Sharma</b> , Shailendra Sharma, Vivek Goel, Praveen Sharma & Arun Kumar, "Water Quality Assessment of Behta River Using Benthic Macroinvertebrates", <b>Life Science Journal</b> , 3 (4), 2006, 68-74.
2007	40.	A.K. Akella, <b>M. P. Sharma</b> & R. P. Saini "Optimum utilization of Renewable Energy sources in a Remote Area" <b>J. Renewable &amp; Sustainable Review</b> , 11(5), June 2007, 894-908.





Year	No.	Journal Details
	41.	Bhaskar J. Das, <b>M.P.Sharma</b> , Ranveer Singh & S.K.Singhal "Assessment of surface water quality of Deeporbeel Wetland", <b>Environmental Science – An Indian Journal</b> , 2(1) Jan. 2007, 44-52.
	42.	S.N. Mahato, <b>M.P.Sharma</b> & S.P.Singh on "Transient performance of a single-phase self-regulated self-excited induction generator using a three-phase machine", <b>J. Electric Power Systems Research</b> , 77(7), 2007, 839-850.
	43.	S.N.Mahato, <b>M.P.Sharma</b> & S.P.Singh "Selection of optimal capacitors for maximum power output of a single-phase self-excited induction generator using a three-phase machine" <b>J. of Electric Power Components &amp; Systems</b> , 35 (8), August 2007, 857 to 870.
	44.	R.D. Chauhan, <b>M.P.Sharma</b> , S.K.Singhal & R.P. Saini "Biodiesel from Jatropha as transport Fuel – A case study of U.P.State", <b>Journal of Scientific &amp; Industrial Research</b> , Vol 66, May 2007, 394-398.
	45.	S.Balaji and <b>M.P.Sharma</b> "Water Quality Assessment and conservation of River Bhavani", <b>Journal of Ecology, Environment &amp; Conservation</b> , 13 (3), 2007, 593-600.
2008	46.	S.N. Mahato, S.P.Singh and <b>M.P.Sharma</b> "Capacitors Required for Maximum Power of a Self-Excited Single-Phase Induction Generator using a Three-Phase Machine", <b>IEEE Transactions on Energy Conversion</b> , 23 (2), June 2008, 372-381.
	47.	Bhaskar J.Das, S.K.Singal, Ranvir Singh & <b>M.P.Sharma</b> "Impacts of soil erosion in a ungauged wetland catchment" <b>Environmental Science – An Indian journal (ESAIJ)</b> , 3(2), 2008, 217-223.
	48.	<b>M.P.Sharma</b> , S.K.Singal & S. Patra "Water quality profile of Yamuna river, India", <b>Journal of water, Energy and Environment, (Hydro Nepal)</b> , Issue July 03, 2008 27-32.
	49.	S.N.Mahato, S.P.Singh & <b>M.P.Sharma</b> "Excitation capacitance required for self-excited single phase induction generator using three phase machine" <b>Energy Conversion and Management</b> , 49, 2008, 1126-1135.
	50.	<b>M.P. Sharma</b> , Shailendra Sharma, Vivek Goel, Praveen Sharma & Arun Kumar "Water quality assessment of Ninglad Stream using benthic macroinvertebrates" <b>J. of Life sciences</b> , 5 (3)- 2008, 67-72
	51.	S.Kannan, S.K.Singal, A.A. Kazmi & <b>M.P. Sharma</b> "Selection of Appropriate Sewage Treatment Technology for Kancheepuram City" <b>Asian Journal of Water, Environment &amp; Pollution</b> , 6 (2) 2008, 107-111.
	52.	Siddharth Jain & <b>M.P.Sharma</b> , "Feasibility study of Power Generation from Municipal Solid Wastes of Haridwar City" <b>International Journal of Chemical Sciences</b> , 6(4), 2008, 1920-1941.
2009	53.	A.K.Akella, R.P.Saini & <b>M.P.Sharma</b> , "Social, economical and environmental impacts of renewable energy systems" <b>Renewable Energy</b> , 34, 2009, 390-396.
	54.	<b>M.P.Sharma</b> "Biodiesel Production From Cottonseed & Pongamia Oil" <b>J. of Indian water resources society</b> , 29 (1), January 2009, 49-58.
	55.	Ajay D. Chavan, <b>M.P.Sharma</b> and Renu Bhargava "Water Quality Assessment of the Godavari River" <b>J. of Hydro Nepal – Journal of Water, Energy and Environment</b> , Issue No. 5, July 2009, 40-43.
	56.	Ajai Gupta, R.P.Saini and <b>M.P.Sharma</b> "Steady-state modeling of hybrid energy system for off grid electrification of cluster of villages" <b>Renewable Energy</b> , 2009, 1-16.
2010	57.	Siddharth Jain and <b>M.P. Sharma</b> "Prospects of biodiesel from Jatropha in India: A review" <b>J. of Renewable and Sustainable Energy Reviews</b> , 14, 2010, 763-771.



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	58.	Siddharth Jain and <b>M.P. Sharma</b> "Stability of biodiesel and its blends: A review" <b>J. of Renewable and Sustainable Energy Reviews</b> , 14, 2010, 667-678.
	59.	<b>M.P.Sharma</b> , Arun Kumar and Shalini Rajvanshi "Assessment of Trophic State of Lakes: A Case of Mansi Ganga Lake in India", <b>J. of Hydro Nepal –Journal of Water, Energy and Environment</b> , Issue No. 6, January 2010, 65-72.
	60.	A.B. Kanase-Patil, R.P.Saini & <b>M.P.Sharma</b> , "Integrated Renewable Energy Systems for Off grid Rural Electrification of Remote area" <b>Renewable Energy</b> , 35, 2010, 1342-1349.
	61.	Siddharth Jain & <b>M.P. Sharma</b> "Review of different test methods for the evaluation of stability of biodiesel", <b>J. of Renewable and Sustainable Energy Reviews</b> , 14, 2010, 1937-1947.
	62.	Siddharth Jain & <b>M.P. Sharma</b> "Kinetics of acid base catalyzed transesterification of Jatropha Curcas oil", <b>J. of Bioresource Technology</b> , 101, 2010, 7701-7706.
	63.	S.N.Singh, <b>M.P.Sharma</b> and Ajit Singh "Design of Mini Grid for SHP Plants" <b>J. of Hydro Nepal –Journal of Water, Energy and Environment</b> , Issue No. 7, July 2010, 38-47.
	64.	Stubauer I., Hering D., Korte T., Hoffmann A., Brabec K., Sharma S., Shrestha M., Kahlow N M.A., Tahir M.A., Kumar A., <b>Sharma M.P.</b> , Bari M.F., Badruzzaman A.B.M. and Chhopel, G.K. "The development of an assessment system to evaluate the ecological status of rivers in the Hindu Kush-Himalayan Region: introduction to the special feature, <b>Hydrobiologia</b> , Vol 651, 2010, 1-15.
	65.	<b>M.P.Sharma</b> and S.N.V. Rama Anusha Mandavilli "Biodiesel from Waste Cooking Oil For Power Generation" <b>J. of Indian Water Resources Society</b> , Vol. 30 No. 4, Oct, 2010, 37-43 (Issue published in July 2011).
	66.	I. Stubauer, D.Hering, T.Korte, A.Hoffmann, K.Brabec, S.Sharma, M.Shrestha, M.A.Kahlow N, M.A.Tahir, A.Kumar, <b>M.P.Sharma</b> , M.F.Bari, A.B.M.Badruzzaman, G.K.Chhopel and O.Moog, "The development of an assessment system to evaluate the ecological status of rivers in the Hindu Kush-Himalayan region: introduction to the special feature", <b>Hydrobiologia</b> , 651, 2010, 1-15.
2011	67.	Siddharth Jain, <b>M.P. Sharma</b> and Shalini Rajvanshi "Kinetics of acid base catalyzed transesterification of waste cooking oil" <b>J. of Fuel Processing Technology</b> , 92 (1), Jan 2011, 32-38.
	68.	Siddharth Jain and <b>M.P.Sharma</b> "Power Generation from MSW of Haridwar City: A feasibility Study" <b>J. of Renewable and Sustainable Energy Reviews</b> , 15, 2011, 69-90.
	69.	Siddharth Jain and M.P.Sharma "Thermal Stability of biodiesel and its blends: A Review" <b>J. of Renewable and Sustainable Energy Reviews</b> , 15, 2011, 438-448.
	70.	Ajai Gupta, R.P.Saini, <b>M.P.Sharma</b> "Modelling of hybrid energy system – Part I: Problem formulation and model development" <b>Renewable Energy</b> , 36, 2011, 459-465.
	71.	Ajai Gupta, R.P.Saini, <b>M.P.Sharma</b> "Modelling of hybrid energy system – Part II: Combined dispatch strategies and solution algorithm" <b>Renewable Energy</b> , 36, 2011, 466-473.
	72.	Ajai Gupta, R.P.Saini, <b>M.P.Sharma</b> "Modelling of hybrid energy system – Part III: "Case study with simulation results" <b>Renewable Energy</b> , 36, 2011, 474-481.
	73.	Siddharth Jain and <b>M.P.Sharma</b> "Correlation development for effect of metal contaminants on the Thermal stability of Jatropha curcas biodiesel" <b>Energy &amp; Fuels</b> (ACS Publications), 25(3), 2011, 1276-1283.



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	74.	Siddharth Jain and <b>M.P.Sharma</b> "Biodiesel production from Jatropha Curcas Oil" <b>J. of Renewable and Sustainable Energy Reviews</b> , 14(9), 2011, 3140-3147.
	75.	Siddharth Jain and <b>M.P.Sharma</b> "Study of Oxidation Stability of Jatropha Curcas biodiesel/diesel blends" <b>International Journal of Energy and Environment</b> , 2(3), 2011, 533-542.
	76.	Siddharth Jain and <b>M.P.Sharma</b> "Correlation development for effect of metal contaminants on the oxidation stability of Jatropha curcas biodiesel" <b>Fuel</b> , 90, 2011, 2045-2050.
	77.	Siddharth Jain and <b>M.P. Sharma</b> "Measurement of the Oxidation Stability of Biodiesel Using a Modified Karl Fischer Apparatus" <b>J. of American Oil Chemist's Society (JAOCS)</b> , 88 (7), 2011, 899-905.
	78.	Siddharth Jain and <b>M.P.Sharma</b> "Oxidation stability of blends of Jatropha biodiesel with diesel" <b>Fuel</b> , 90 (10), May 2011, 3014-3020.
	79.	Nitesh Dutt and M.P.Sharma "Potential of Renewable Electricity from Biomass Waste IIT Roorkee Campus, India" of Hydro Nepal – <b>Journal of Water, Energy and Environment</b> , Issue No. 9, July 2011, 38-43.
	80.	A.B. Kanase-Patil, R.P.Saini & <b>M.P.Sharma</b> , "Development of IREOM model based on seasonally varying load profile for hilly remote areas of Uttarakhand state in India" <b>Energy</b> , 36(9) Sept. 2011, 5690-5702.
	81.	A.B. Kanase-Patil, R.P.Saini & <b>M.P.Sharma</b> , "Sizing of integrated renewable energy system based on load profiles and reliability index for the state of Uttarakhand in India" <b>Renewable Energy</b> , 36(11), Nov.2011, 2809-2821.
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	197.	Virender Singh, M.P. Sharma, Shailendra Sharma & Saurabh Mishra, "Bio-assessment of River Ujh using benthic macro-invertebrates as bioindicators, India", International Journal of River Basin Management, 2017 DOI: 10.1080/15715124.2017.1394318.

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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).
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.
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.
1987	4.	<b>M.P. Sharma</b> , B. Prasad & J.S. Saini "Development of Rural Energy Complex at village Brahmampur," 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.
	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 & Symposium of Bio-Energy Society of India Organised by Rajasthan Local Chapter at College of Technology & Agricultural



Year	No.	Conferences/Seminars Details
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	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.
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1990	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.
	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.
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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.
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	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, Bhubaneshwar, Orissa on October 7-9, 2003, 416-423.
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	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.
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	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.
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	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.
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	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.
	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.
	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.
	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.
	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.
	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.
	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.



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	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.
<b>2007</b>	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.
	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.
	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.
	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.
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	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)
	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).
	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).
	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.





Year	No.	Conferences/Seminars Details
	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.
	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.
	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.
	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.
<b>2010</b>	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.
	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.
	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.
	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.)
	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.
	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.
	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.
	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.



Year	No.	Conferences/Seminars Details
	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.
	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.
<b>2011</b>	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.
	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.
	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.
	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.
	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.
	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.
	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.
	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 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.
	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



Year	No.	Conferences/Seminars Details
		development for Energy, water and Environment systems (SDEWES-11)" held at Dubrovnik, Croatia from Sept. 25-29, 2011.
	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.
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.
	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.
	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.
2013	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.
	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.
	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.
	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.
	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.
	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.
	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 IEEE-International Conference on Research and Development Prospects on Engineering and Technology (ICRDPET 2013) held on March 29, 30-2013.
	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



Year	No.	Conferences/Seminars Details
		Technologies for Sustainability, held at St. Xavier's Catholic College of Engineering, Nagercoll (Tamilnadu) during April 10-12, 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.
	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.
	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.
<b>2014</b>	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.
	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.
	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.
	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).
	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.
	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.
	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.
<b>2015</b>	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,





Year	No.	Conferences/Seminars Details
		3198-3204 (ICMPC-2015) Published in the Journal of Material today: Proceedings, 2015, 3196-3202.
	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.
	119.	Akanksha Kaushal and M.P.Sharma, "Methane Emission from Panki Open Dump Site of Kanpur, India", in proceedings of International Conference on Solid Waste Management, 5IconSWM 2015.
	120.	Puneet Verma, <b>M.P.Sharma</b> , "Effect of Short Chain Alcohols on Yield of Biodiesel Produced from Pongamia Oil, International Conference on Applied energy research (December 15-17, 2015) to be published in Procedia Energy.
	121.	Amit Kumar & <b>M.P.Sharma</b> , "Assessment of Water Quality of Ganga River Stretch Near Koteshwar Hydropower Station, Uttarakhand, India. In proceedings of The IRES International Conference held on June 13, 2015 at Berlin, Germany, P-13-16.
	122.	

## D SPECIAL PUBLICATION

Year	No.	Books Details
2003	1	Edited AHEC publication entitled "Small Hydro Power: Initiatives & Private Sector Participation", 3 <sup>rd</sup> Edition (2003), total pages 586.
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.
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).
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).