

## CURRICULUM-VITAE

**Dr. Ajay Kumar Sharma**

**Discipline: Mechanical Engg**

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### PROFESSIONAL EXPERIENCE

**Total Teaching Experience - 19 Years**

- Presently working as Asst. Professor with Institute of Engineering and Technology, Lucknow a constituent college of AKTU, Lucknow.
- Worked as Asst. Professor with **Anand Engg. College, Agra (Sharda Group of Institutions)** Since 15 July'2010 to 23 August'2017.
- worked as Asst. Prof with **Accurate Institute of Technology and Management, Greater Noida** during Aug'08 to July'10.
- Worked as Sr. Lecturer with **Galgotias College of Engg and Technology, Gr. Noida** during Aug'07 to July'08.
- Worked as Lecturer (Selection Grade) with **Sachdeva Institute of Technology, Mathura** during Sep'01 to July'07.
- Worked as Lecturer with **BSACET, Mathura** during Feb'01 to Aug'01.

### PROFESSIONAL QUALIFICATION

- PhD from IIT Delhi in October 2015 with 8.0 C.P.I.  
**Topic-** Studies on utilization of DEE blends with biodiesel in a CI engine.  
**Supervisors:** Prof (Dr) L.M. Das, CES, IIT Delhi  
Prof (Dr) S.N. Naik, CRDT, IIT Delhi
- M.Tech (Mechanical) from U.P.T.U., Lucknow in 2007 with 8.5 C.P.I.
- B.Tech (Mechanical) from A.M.U, Aligarh in 2000 with 73.36%.
- GATE -2000 Qualified with All India Rank 1289.

### EDUCATIONAL QUALIFICATION

- Intermediate from U.P. Board in 1994 with 71.2%.
- High school from U.P. Board in 1992 with 65.1%

## **PUBLICATIONS**

- Presented Research Paper on 'Studies on utilization of oxygenated fuels in a C.I engine' in the National Conference on Manufacturing Excellence (MANFEX-2011) at Amity University Uttar Pradesh.
- Presented Research Paper on 'Reliability analysis of Mechanical systems' in the National Conference on ETME-2011 at FET, RBS, Agra, Uttar Pradesh.
- Published Research Paper on 'Production and characterization of bio-diesel from cotton seed oil' in the National Conference on RAME-2012 at HIMCS, Farah, Mathura, Uttar Pradesh.

## **JOURNAL PUBLICATIONS**

- Ajay Kumar Sharma, L.M.Das, S.N.Naik, Bhupendra Singh Chauhan, Haeng Muk Cho 'Emission analysis of a medium capacity diesel engine using mahua oil biodiesel' Journal of Energy Engineering, Vol. 22, No. 2, pp. 136~140 (2013)
- Bhanu Pratap Singh, Ajay Kumar Sharma 'Experimental Analysis and Energetic Evaluation for Mahua Oil Methyl Ester with Diethyl Ether', Walailak J Sci & Tech 2015; 12(4): 311-324.
- Varun Kumar Singh, Ajay Kumar Sharma 'Emission Reduction of Diesel Engine Using Biodiesel and Blends' IJMET 2018, Vol9, Issue9, pp.1103-1110.

## **SHORT TERM COURSE ATTENDED**

- Attended training Programme on Laboratory Quality System & Internal Audit as per IS/ISO/IEC-17025 held during May 01 – May 04, 2017 at Anand Advance research & Testing Centre, Agra
- Attended the Short-term course entitled 'Emerging Trends in Development of Alternative Fuelled Dual Fuel Compression Ignition Engines' held during July 13 - 17, 2015 at CES, IIT Delhi under the sponsorship of Quality Improvement Programme, AICTE, Govt.of India.
- Attended the Short-term course entitled 'Recent Advances in Utilization of Hydrogen in Internal Combustion Engines' held during July 7 - 11, 2014 at CES, IIT Delhi under the sponsorship of Quality Improvement Programme, AICTE, Govt.of India.
- Attended the Short-term course on 'Performance improvement and emission reduction of I.C Engines using Alternative Fuels' organised by IIT Delhi under the sponsorship of Quality Improvement Programme, AICTE, Govt.of India during May 2013.
- Attended the Short-term course on 'Recent Advances on the Utilization of Alternative Fuels for Transportation' organised by IIT Delhi under the sponsorship of Quality Improvement Programme, AICTE, Govt.of India during Dec 2010.
- Attended a workshop on 'LATEX2012' organised by HITM, Agra under the sponsorship of Institute of Engineers.
- Attended National workshop on "Bio-fuels: Prospects & Challenges" organized on 22<sup>nd</sup> Nov, 2012 at Dayalbagh Educational Institute, Dayalbagh, Agra by Department of Mechanical Engineering, Faculty of Engineering

## **PROJECT ASSOCIATION**

- Principal Investigator for the project titled ‘ Performance and emissions measurements of IC Engine using alternative fuels as per IS norms’ Awarded grant under Visvasarya Research Promotion Scheme
- Head of Anand Advance Research and Testing Centre (A.A.R.T.C), Anand Engg College (In-house project) Agra.
- Associated in the project, ‘ Characterization and analysis of potential non-edible oil seeds as raw material for production of bio-diesel’ funded by Deptt of Science and Technology, Collaboration with HCST, Farah, Mathura

## **OTHER RESPONSIBILITIES:**

- Appointed as Head Examiner during Jan 2016 for evaluation of Mechanics of Solid by AEC, Agra (A.K.T.U, Lucknow).
- Exam Coordinator in Department of Mechanical Engineering, Anand Engineering College Agra
- Appointed as Additional COE at IET Lucknow.
- Cultural co-ordinator in ISSACC at IET Lucknow.
- Member in Curiculam Revision committie for effective implementation of the academic mandates of AICTE under TEQIP-III project at IET Lucknow.
- Warden of C Block hostel at IET Lucknow.

## **CONSULTANCY ASSIGNMENT**

- Associated with A.V.Valves Ltd, Agra for giving some technical helps in the field of high pressure liquid/gas flows through various valves.
- Consulted for the project ‘Improvement of efficiency of the cold storage using flash chambers’ during July 2014 – July 2015 funded by M/S Munnibai Ice & cold storage.

## **PERSONAL DETAILS**

Date of Birth	:	28 <sup>th</sup> April’ 1978
Mother’s Name	:	Smt. Omwati Sharma
Father’s Name	:	Shri L.S.Sharma
Marital Status	:	Married
Kids	:	01 daughter
Address	:	8/49, E-14, Vidhyanagar Newkaushalpur Agra – 282005

I hereby inform you that the above information given by me is correct to best of my knowledge.

Date:

Place: Agra

(Ajay Kumar Sharma)