


Name	Upender Kumar		
Qualification	B.Tech. M.Tech. Ph.D. (Pursuing)		
Area of Specialization	Biofuel, Bioenergy, Advanced Engineering Materials, Soft Computing		
Subject Taught	Smart Materials, Material Science, Design of Experiments, Advanced Metal Casting, Advanced Welding processes, Engineering Drawing, Thermodynamics, Kinematics of Machines, Manufacturing Processes, Non-Conventional Machining, CAD/CAM.		
Subjects currently Teaching	B.Tech. Mech. Engg.- Material Engineering (ES-209),Materials Engg. Lab(ES-213) , Foundry Engg. M.Tech. Mech. Engg. (Ind. & Prodn. Engg.) – Advanced Metal Casting, M.Tech. Mech. Engg, (Thermal Engg,) -Advanced Internal Combustion Engg.		
Total Teaching Experience	16 years		

Research Publications							
Sr. No.	Title of the paper	Authors	Journal	ISSN No.	Volume	Issue	Page No.
1.	Implementing Single Minute Exchange of Dies Concept in Indian Manufacturing Company	Arvind Jayant, Upender Dhull , C.Y. Chan and Jackson C.S. Tang	Annual Journal of IIE	ISSN 1609-3208	Vol. 27	2006/ 2007	19-28
2.	Changeover time Reduction using SMED in A Manufacturing Industry :A Case Study	Rajdeep Singh, Dinesh Khanduja, Upender Dhull	Udyog Pragati	ISSN 0970-3365	Vol. 33	No. 4, October-December, 2009	1-7
3.	Analyzing the Effect of Sigma Scaling in Genetic Algorithms	Chander Diwaker , Upender Dhull , Geeta Jangra	Artificial Intelligent Systems and Machine Learning Published by CIIT	Online ISSN: 0974–9543, Print ISSN: 0974–9667	Vol. 3,	No. 5 , 2011	313-319

4.	Genetic Algorithm: A Review	Geeta Jangra, Upender Dhull , Chander Diwaker, Sachin Dhawan	<i>Proc. of the International Conference on Advanced Computing and Communication Technologies (ACCT 2011)</i>	ISBN: 978-981-08-7932-7		20 – 22 January 2011	
5.	Availability Analysis of Dish End Manufacturing Unit in Ammonia Cylinder Making Plant Using Supplementary Variable Technique	Vikas Modgil, S.K. Sharma and Upender Dhull	International Journal of Applied Engineering Research	Print ISSN 0973-4562 Online ISSN 0973-9769	Vol. 6	Number 5, April 2011	691-697
6.	Comprehensive Study on Biodiesel Production: A Review	Tarun Gupta, Upender Dhull , Nitin Gehlot, and Vishal Kashyap	<i>2nd National Conference on Converging Technologies Beyond-2020 (CTB-2020), Kurukshetra University, Kurukshetra</i>			November 28-29, 2014	
7.	Parametric Optimization of Electro Discharge Machining of EN-24(PEARLITE & FERRITE + 40% BAINITE) Alloy Steel Material using Taguchi Technique	Anil Kumar, Upender Dhull and Khempal	Journal of Material Science and Mechanical Engineering (JMSME) Published by Krishi Sanskriti Publications	Print ISSN: 2393-9095; Online ISSN: 2393-9109	Vol. 2,	No. 8, 2015	68-73
8.	Optimization of Job Scheduling in Flow Shop Environment using Genetic Algorithm Considering Sequence Dependent Setup Times	Rajdeep Singh, Upender Dhull , Sanjeev Sharma and Sandeep Jindal	International Journal of Multidisciplinary and Scientific Emerging Research	ISSN 2349 - 6037	Vol.4	No.2, December 2015	1123-1127
9.	Parametric optimization of electric discharge machining of SCM415 alloy steel material using Taguchi Technique	Ravinder Singh Dhull and Upender Dhull	International Journal of Research in Advent Technology	E-ISSN: 2321-9637	Vol. 4	Issue 7, July 2016	88-94
10.	A review on Bio-composites based on polypropylene reinforced with natural fibers: Mechanical properties	Gaurav Saini and Upender Dhull	International Journal of Research in Advent Technology	E-ISSN: 2321-9637	Vol.4,	No.7, July 2016	79-83
11.	Optimization of Process Parameters of Sinkage EDM on EN 32 Steel by Using Taguchi's Approach	Bhoj Raj Chaudhary, Upender Dhull	International Journal of Engineering Development and Research	ISSN: 2321-9939	Vol. 4	Issue 3 July 2016	745-751

12	Performance and Emission testing of Diesel Engine using blends of Biodiesel from Castor Oil and Neem Oil prepared using Lithium Doped CaO Nano-Catalyst	Upender Kumar and Pardeep Gupta,	in Scopus indexed springer proceeding Lecture Notes in Mechanical Engineering in 4th International conference on "Emerging Trends in Mechanical and Industrial Engineering" organised by Northcap University Gurgaon from 10th October 2019 to 11th October 2019.			10th October 2019 to 11th October 2019.	
13.	Hybrid Response Surface Method-African Buffalo Optimization Technique for Ultrasonic Production of Biodiesel from Waste Cooking Oil using Li doped CaO Nanocatalyst	Upender Kumar and Pardeep Gupta	Scopus indexed journal. International Journal of Innovative Technology and Exploring Engineering	ISSN 2278-3075 (online).	Volume-9 Issue-5	March 2020	Page No. 1938-1947
14.	Composite approach of RSM-ABO for optimization of production of Ricinus Communis biodiesel using Lithium doped CaO Nanocatalyst	Upender Kumar and Pardeep Gupta	Scopus indexed journal, International journal of advances in Science and Technology	ISSN (2207-6360 (Online))	Vol. 29, No. 5	Apri 2020	Page no. 5555 - 5570
15.	Modelling and optimization of novel biodiesel production from non-edible oil with musa balbisiana root using hybrid response surface methodology along with African buffalo optimization”	Upender Kumar and Pardeep Gupta	Springer’s SCI journal, Reaction Kinetics, Mechanisms and Catalysis (Impact Factor 1.4)	https://doi.org/10.1007/s11144-020-01807-7 ISSN 1878-5190		17th June 2020	

Responsibilities held in Last five years

2012-13

- *Member, Institution Development Committee.*
- *Member of Grievance Committee.*
- *Convener of Student activities committee.*
- *Member of Purchase Committee for Excelsior-12.*
- *Member of General management committee for annual fest of the UIET Excelsior'12.*
- *Secretary, Member of Youth Red Cross Society, UIET KUK.*
- *Member of student's affairs committee (cultural program, students counseling for various scholarships from different funding agencies).*
- *Member of Committee for Prospectus of B.Tech. and M.Tech. of UIET KUK.*
- *Convener for M.Tech. Admission committee.*
- *Member of Website committee.*
- *Member of Building & Works committee.*
- *Member of Library committee as Faculty Incharge, Mech. Engineering Dept.*
- *Member of Academic Committee of UIET KUK.*
- *Performed Proctorial Duty in RATNAWALI fest at KUK.*
- *Acted as Member of Flying Squad for exam conducted by Kurukshetra University, Kurukshetra.*

2013-14

- *Performed Proctorial Duty in Ratnawali at KUK.*
- *Coordinated Celebration of Maharani Laxmi Bai day organized by ABVP KUK chapter at UIET, KUK.*
- *Organized an awareness campaign and a seminar for students on Men's Rights on International Men's day on 19th Nov. 2013.*
- *Acted as Convener of sponsorship committee for techno-cultural fest Anusandhan'13 at UIET KUK.*
- *Acted as head coordinator for events during Anusandhan'13 for Mechanical Engineering Dept.*
- *Acted as coordinator for DESMOD event during Anusandhan'13 for Mechanical Engineering Dept.*
- *Member of Flying Squad*
- *Member of Committee for Prospectus of B.Tech. and M.Tech.*
- *Served as Member of Selection committee for engagement of Assistant Professors in contract basis.*
- *Acted as Member of advisory board in International Conference on Futuristic trends in Engineering and Management (ICFTM-2014) organized at GITM Bilaspur, Yamunanagar.*
- *Acted as Member of advisory committee in National conference on advance in Mechanical Engg. organized at GITM Gurgaon.*

2014-15

- *Acted as organizing convener for Technical committee of Mechanical dept. for Excelsior'15 Culture Program at UIET KUK.*
- *Acted as Convener for Media and Publicity committee for EXCELSIOR'15.*
- *Acted as member of cultural tour committee.*
- *Served as member of Grievance Committee as Faculty incharge of Mech. Dept. for counselling of students.*
- *Served as Member of M.Tech. Admission Committee.*
- *Served as convener of Library Committee.*
- *Performed Proctorial Duty, KUK.*
- *Served as Member of Office Automation cum Examination Reform Cell.*
- *Organized U.I.E.T., K.U.K's Second Alumni Meet. As the convener for the meet.*

2015-16

- *Acted as convener for Library committee of UIET KUK.*
- *Acted as Member of syllabus and revision committee of UIET KUK.*
- *Acted as Convener for Alumni Cell, UIET KUK.*
- *Acted as convener for Write-off committee of UIET KUK.*
- *Acted as convener for Website committee of UIET KUK.*

2016-17

- *Acted as convener for Library committee of UIET KUK.*
- *Acted as Member of committee for AICTE affiliation related affairs of UIET KUK.*
- *Acted as Convener for Alumni Cell, UIET KUK.*
- *Acted as convener for Write-off committee of UIET KUK.*
- *Acted as convener for Website committee of UIET KUK.*
- *Acted as member of Management committee for organizing Board of Studies meetings at UIET KUK.*
- *Acted as convener for committee for M.Tech. admissions at UIET KUK.*

2017-18

- *Acted as convener for Library committee of UIET KUK.*
- *Acted as Member of committee for AICTE affiliation related affairs of UIET KUK.*
- *Acted as member of Management committee for organizing Board of Studies meetings at UIET KUK*

Professional Memberships

- Member of ASME, USA.
- Member of System Dynamics Society, USA.
- Member of SAE, India.
- Member, KUTA.
- Member, Indian Welding Society (IWS).

Administrative Responsibilities Held up to now

- *Member of UG/PG Board of Studies for Credit based courses in Mechanical Engineering of University Institute of Engineering and Technology, KUK.*
- *Member of UG/PG Board of Studies for Non-Credit base courses in Mechanical Engineering of Kurukshetra University, Kurukshetra.*
- *Member of Inspection Committee of KUK.*
- *Acted as Nodal Officer (Finance) for World bank's TEQIP Project at UIET KUK.*
- *Served as Member of Selection committee for engagement of Assistant Professors in contract basis in Kurukshetra University, Kurukshetra.*
- *Acted as Member of Complaint Committee of Kurukshetra University Theory Exams.*
- *Served as Faculty Incharge of the Mech. Engg. Dept. at UIET KUK in 2012-13, 2014-15, 2015-16, 2016-17.*

Contribution to Society

- National Secretary Coordinator for "[Daaman Welfare Trust](#)" a NGO working for Helping the Men in Distress.
- Haryana State Point of Contact for the **World's Only Helpline for Men**, [SIFONE-8882498498](#)