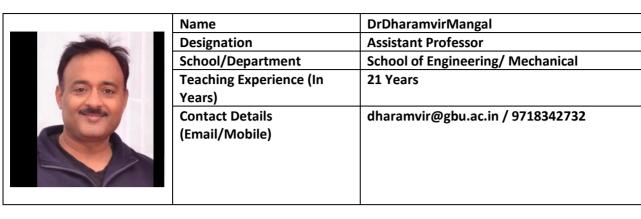
FACULTY DETAILS



Educational Qualifications (Highest Degree):

Course	Subject	Year of Award	University/Board
Doctoral	Mechanical	2012	NIT Kurukshetra
PG	Manufacturing Technology	2004	Panjab University, Chandigarh
NET/JRF	N.A.		

Area of Research (100 Words):

- Supply Chain Management
- Inventory Control
- Manufacturing Technology (Casting and Welding)
- Composites

Present Research Interest (100 words):

- Manufacturing Technology (Casting and Welding)
- Composites

Number of Research Publications			
	International	National	
Research Papers	34	00	
Book/s (Single Author)	N.A.	01 (2 authors)	
Book/s (Edited)	N.A.		

Number of Research Supervision/Guidance		
PhD	MPhil	
03 Awarded (from Universities other than GBU)/01	105 (M. Tech.)	
(Pursuing in GBU)		

Funded Projects				
S. No.	Title of the Project	Funding Agency	Grant Amount	Completed/Ongoing
	N.A.			

	Name	Dr. Harishchandra Thakur
	Designation	Assistant Professor
	School/Department	School of Engineering
	Teaching Experience (In	23 Years
have the	Years)	
Ĩ	Contact Details	harish@gbu.ac.in/9717910062
	(Email/Mobile)	
and a		

Educational Qualifications (Highest Degree):

Course	Subject	Year of Award	University/Board
Doctoral	Heat Transfer	2010	IIT Roorkee
	(Mechanical)		
PG	Thermal	1999	University of Roorkee (currently IIT
	Engineering		Roorkee)
NET/JRF/GATE	Mechanical	1997 (91.1 percentile)	

Area of Research (100 Words):

- Heat Transfer Analysis of phase change phenomena using Meshless Local PetrovGalerkin Method.
- Nonlinear Heat Transfer Analysis of Extended Surfaces
- Heat Transfer in Enclosures
- Development of Building Material from agricultural waste

Present Research Interest (100 words):

- Computational Fluid Dynamics Analysis of Thermal Systems
- Heat Transfer Enhancement Methods
- Meshfree Method for Heat Transfer Analysis through Extended Surfaces,
- Solar Energy, Solar Chimney

Number of Research Publications			
	International	National	
Research Papers	39	22	
Book/s (Single Author)			
Book/s (Edited)			

Number of Research Supervision/Guidance			
PhD M. Tech. MPhil			
05	95		

Funded	Funded Projects			
S. No.	Title of the Project	Funding	Grant Amount	Completed/Ongoing
		Agency		
1	Enhancing The Solar Updraft	UP CST	20000/-	Completed
	Power Plant by Fresnel Lens			
	(Guided to M. Tech. students)			

	Name	Dr. Satpal Sharma
	Designation	Assistant Professor
ne l	School/Department	School of Engineering, Mechanical Engineering
E	Teaching Experience (In Years)	24 Years Teaching + 1.25 Years Industrial
	Contact Details	satpal@gbu.ac.in, M. No. 7011687799
	(Email/Mobile)	
Photo		

Educational Qualifications (Highest Degree):

Course	Subject	Year of Award	University/Board
Doctoral	Mech. Engg.	2009	IIT, Roorkee
PG	Mech. Engg.	2003	REC (Presently NIT), Kurukshetra
NET/JRF	N. A.		

Area of Research (100 Words):

Initially my research area was related to thermal sprayed coatings, welding and tribological properties. This will be further extended to machining processes. In these areas the thermal spraying parameters and machining parameters were also optimized using design of experiments (DOE) and response surface methodology techniques (RSM) for improved quality of the product.

In addition to above, the effect of rare earth elements (CeO₂, La₂O₃ and Y₂O₃) addition on Mechanical, Metallurgical and Tribological properties (adhesive, abrasive and erosive wear) of thermal sprayed coatings were also carried out.

Welding is also another area of my research. The application of laser welding to the assembly of automotive bodies and parts has problems in that the tolerance of the gap between the lapped sheets is low, and blowholes are produced when zinc-coated steel sheets are lap-welded.

Present Research Interest (100 words):

- High Entropy Alloys and High Entropy Nano-composites,
- Light weight HEAs possess properties comparable to Ni and Ni-alloys used in high temp. applications.
- Synthesis, Metallurgical, Mechanical and Tribolgical Characterizations will be carried out.
- Quasicrystalline Materials (QCs),
- These materials possess low coefficient of friction as compared to steel and other conventional alloys and suitable for tribological applications.
- Synthesis, Metallurgical, Mechanical and Tribolgical Characterizations will be carried out.

Micro- and Nano-machining

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- This area is much suitable for Electronics and Bio-medical Engineering.
- > Sponsored Research Projects will be submitted on the following topics
- High Entropy Alloys (HEAs);
- Quascicrystalline Materials (QCs);
- > These are new areas of research which will yield some patents for commercial use.

Number of Research Publications			
	International	National	
Research Papers	93 (SCI 45 + 33 Scopus + 15 refereed)	21 (04 Scopus + 17 refereed)	
Book/s (Single Author)	Nil	Nil	
Book/s (Edited)	nil	Nil	

Number of Research Supervision/Guidance	
Ph. D.	M. Phil.
07 Awarded , 02 in Progress	M. Tech. 112

Funded	Funded Projects				
S. No.	Title of the Project	Funding	Grant Amount	Completed/Ongoing	
		Agency			
1	Studies for Development of	Council of	Approx.	Ongoing	
	Energy Efficient Heavy Load	Scientific and	31 Lakhs		
	Sustaining Ball Bearings using	Industrial			
	Textured Surfaces and Adaptive	Research			
	Lubrication				

	Name	Dr. Parvesh Ali
	Designation	Faculty on Contract
020	School/Department	University School of Engineering/ Mechanical Engineering
	Teaching Experience (In Years)	4
	Contact Details (Email/Mobile)	parvesh1133@gmail.com/8527378915

Educational Qualifications (Highest Degree):

Course	Subject	Year of	University/Board
		Award	
Doctoral	Mechanical Engineering	2019	Delhi Technological University, Delhi
PG	Production Engineering	2014	Delhi Technological University, Delhi
GATE	Mechanical Engineering	2012	AIR-2987

Area of Research (100 Words):

Nano Finishing: Developed a new hybrid technique of nano finishing named as Thermal additive Centrifugal Abrasive Flow Machining. This developed technique enhanced the material removal and surface finish of the product using thermal spark mechanism in addition to centrifugal force.

Present Research Interest (100 words):

Manufacturing, Non-Conventional Machining, Nano Finishing, Composites, Advanced Machining Processes

Number of Research Publications				
	International	National		
Research Papers	19	1		
Book/s (Single Author)	0	0		
Book/s (Edited)	0	0		

Number of Research Supervision/Guidance		
PhD	MPhil	
0	0	

Funded Projects				
S. No.	Title of the Project	Funding Agency	Grant Amount	Completed/Ongoing

	Name	Dr VikasShrivastava
	Designation	Faculty on contract
200	School/Department	School of Engineering/ Mechanical
E.	Teaching Experience (In Years)	3
	Contact Details (Email/Mobile)	9993010784
0		

Educational Qualifications (Highest Degree):

Course	Subject	Year of Award	University/Board
Doctoral	Mechanical and	2019	CSIR-Academy of Scientific and
	Materials		Innovative Research
	Engineering		
PG			
NET/JRF			

Area of Research (100 Words):

Composite

Present Research Interest (100 words):

• Composites

Number of Research Publications			
	International	National	
Research Papers	10	0	
Book/s (Single Author)	NA	NA	
Book/s (Edited)	NA	NA	

Number of Research Supervision/Guidance		
PhD MPhil		
0	0	

Funded Projects				
S. No.	Title of the Project	Funding	Grant Amount	Completed/Ongoing
		Agency		
	NA			



-	Name	Prashant Gill
	Designation	Faculty on contract
	School/Department	School of Engineering/Mechanical department
A	Teaching Experience (In Years)	10
9-	Contact Details (Email/Mobile)	gillprashant22@gmail.com/9643802436

Educational Qualifications (Highest Degree):

Course	Subject	Year of Award	University/Board
Doctoral			
PG	Mechanical	2009	Punjab Engineering College,
	Engineering		Chandigarh
NET/JRF			

Area of Research (100 Words): I.C Engine testing, biofuels, Renewable energy

Present Research Interest (100 words): I.C Engine testing, biofuels, Renewable energy

Number of Research Publications			
	International	National	
Research Papers	3	3	
Book/s (Single Author)			
Book/s (Edited)			

Number of Research Supervision/Guidance		
PhD	MPhil	
NA	NA	

Funded Projects				
S. No.	Title of the Project	Funding Agency	Grant Amount	Completed/Ongoing
	NA			

	Name	Dr. Manish Dev
	Designation	Faculty on Contract
Contrat	School/Department	School of Engineering/ Mechanical Engineering
	Teaching Experience (In	2 years
6	Years)	
	Contact Details	devmanish08@gmail.com/ +91-9872421228
A.C.	(Email/Mobile)	
E.M. Mailerth		

Educational Qualifications (Highest Degree):

Course	Subject	Year of Award	University/Board
Doctoral	Industrial &	2021	National Institute of Technology,
	Production		Jalandhar
	Engineering		
PG	Industrial Design	2013	PEC University of Technology,
	Engineering		Chandigarh
NET/JRF			

Area of Research (100 Words):

Ergonomics and Occupational Health: Ergonomics is the scientific discipline concerned with the understanding of interactions among human and other elements of a system, and the profession that applies theory, principles, data and methods to design in order to optimize human well-being and overall system performance." The goal of occupational ergonomics is to ensure the occupational wellbeing of the workers and enhance productivity by reducing the hazards at workplace. There are several work-related factors which interact with the human factors in such a way that the individuals are deviated from their normal work functioning.Research emphasizes on the occupational health issues faced by welders in unorganized sector, along with the design interventions based on ergonomic principles in the form of welding workstation and portable exhaust ventilation system (PEVS).

Present Research Interest (100 words):

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Natural Fiber Composites: Fabrication of hybrid composites and mechanical properties are tensile strength, flexural, impact and hardness of sisal fiber and banana fiber combination. A composite material is a combination of two materials with different physical and chemical properties. When they are combined, they create a material that is specialized to do a certain job, for instance, to become stronger, lighter, or resistant to electricity. They can also improve strength and stiffness. Two or more materials make up a composite material with significantly different chemical or physical properties when they combine.

Number of Research Publications			
	International	National	
Research Papers	4	1	
Book/s (Single Author)			
Book/s (Edited)			

Number of Research Supervision/Guidance		
PhD MPhil		

Funded Projects				
S. No.	Title of the Project	Funding Agency	Grant Amount	Completed/Ongoing



Mr.SurajKumarSingh

Faculty on contract (Mechanical)

Phone:+91-9599494199,+91-9411882251

Email: rathoresuraj9411@gmail.com

ACADEMICS

2019-2022 - Direct SRF in CSIR

2023-Pre-submission Ph.D.from(JamiaMillliaIslamia), India

2011-2016- Completed Integrated Master's Degree in Mechanical Engineering with SpecializationinDesigningfrom (Gautam Buddha University), Greater Noida, India.

2016- Qualified GATE

<u>**RESEARCHFIELD</u></u> SmartMaterials&CompositeMaterials, Nano-fibers, Nano-composite,</u>**

THRUSTAREA

SmartCompositeMaterialsMechatronics, Aerodynamics

I have Completed Integrated Master's course with a specialization in Design Engineering fromGautam Buddha University and also qualified for GATE 2016, 17. Presently, PresubmittedPh.D. fromJamiaMilliaIslamiainthe mechanicalfield, and I haveSixyearsofteachingexperienceasAssistant Professor. I have participated in an internationally acclaimed research project, Shell Eco-Marathon which is equipped with exposure to technological advancements in composite materialdevelopmentacross theglobe.

RESEARCHSKILLS

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• <u>SoftwareBasedSkills</u>	AutoCAD
	FluidSystemAnalysis–AnsysFluent,AnsysAPDL
	CompositeSystem–AnsysACP,AnsysAPDL
	Documentation –MSOffice,MSPublisher

	CompositeSystem–CompositeLayupTechniques, Nanocomposites, Nano-fibers
• ExperimentalSkills	Aerodynamics-WindTunnel,PIV
	Mechatronics-
	BasicElectronicsandCommunication,Sensors
	BasicExperiments-AllMechanicalSystemLaboratories

RESEARCHPUBLICATIONS

- 1. Suraj Kumar Singh, Sabah Khan, R K Mishra. 2022. "Extraction and characterization of Nano-fibers and their composite." journal of natural fibers. DOI:10.1080/15440478.2022.2069184.
- Suraj Kumar Singh, Sabah Khan, R K Mishra. 2023. "Environmentally friendly method to extraction of agave furcrea nano cellulose fibers," cellulose. (communicated)
- Suraj kumar Singh, Sabah Khan,. 2019 "Mechanical properties of natural fiber reinforced epoxy composites: a review" International Conference on Pervasive Computing Advances and Applications – PerCAA 2019. DOI: 10.1016/j.procs.2019.05.003
- Suraj kumar Singh, Sabah Khan, R K Mishra. 2020 "Mechanical properties of epoxy hybrid composites reinforced with agave fiber and zinc powder" AIP. DOI: 10.1063/5.0036128, Feb 2021
- Suraj kumar Singh, Sabah Khan, R K Mishra. 2021. "Processing and characterization of hemp nanofibre thermoset polymer composite" Material Today: Proceeding. DOI: <u>https://doi.org/10.1016/j.matpr.2021.02.477</u>
- Suraj kumarsingh, Sabah Khan, R K Mishra. 2021. "Fabrication and evaluation of mechanical properties of polymer matrix composite using nano fibers as a reinforcement" Material Today: Proceeding, DOI: https://doi.org/10.1016/j.matpr.2021.02.488
- Mr.SurajKumarSingh, Mrs.SabahKhan, Mr.RKMishra, Mr.SKReyazuddin "Natur al fibre reinforced polymer composites: A review". "International Journal ofMechanicalSciences" ISSN: 0020-7403, ImpactFactor-2.884. (accepted)

- Mr. Suraj Kumar Singh, Mrs. Sabah Khan, Mr. R K Mishra, Ms. Vaishali Singh "Studytheeffect of pre-corrosion on the mechanical properties and fatigue life of aluminiumalloy 8011". "International Journal of Mechanical Sciences" ISSN: 0020-7403, ImpactFactor-2.884.(Applied)
- Mr. Suraj Kumar Singh, Mr. Akash Chaudhary, Mr. R.K Mishra, Mr. Shivanshu Dixit"FiniteElementAnalysisofFibersReinforcedHybridComposite"."TheSeco ndInternational Conference on Mechanical and Manufacturing Engineering". (ICMME-2017)(Accepted).
- Mr. Suraj Kumar Singh, Mrs. Sabah Khan, Mr. R K Mishra, Mr. Arvind Kumar, Mr.Ajay Kumar, Mr. Dharamvir Mangal "Computational Combustion Analysis of BiodieselBlends".NANOFIM-2017,3rdInternationalConferenceonNanotechnologyforInstrumentationand Measurement Workshop".ISBN: 978-93-86724-18-2.
- Mr. Suraj Kumar Singh, Mr. Anurag Upadhyay, Mrs. Sabah Khan, Mr. R K Mishra, Mr.DharamvirMnagal "Ergonomics and Anthropometrics Aspects due to Adjustable SeatSystem of an Engine Powered Go-kart Vehicle". "International Conference on Signals, Machinesand Automation (SIGMA-2018, Springer) (Accepted).
- 12. Mr. Suraj Kumar Singh, Mr. Akash Chaudhary, Mr. R K Mishra "AerodynamicAnalysis of a Two Wheeler Rear View Mirror". "International Conference onAdvancementsinMaterialsforManufacturing(ICAAMM-2016).In"ElsevierMaterialsToday:Proceedings".Volume4,issue 8,page7155-9346(2017)
- 13. Mr. Suraj Kumar Singh "Structural Vigor Comparison of A CNG Cylinder withDifferentMaterialCull"intheJournal"TrendsinMechanicalEngineeri ng&Technology"STM Publications.
- 14. Mr. Suraj Kumar Singh, Mr. Sachin Mishra, Mr. Pradeep Kumar, Mr. Brijesh Kumar"Fluid-Structure Interaction Analysis of a Rubber Bellow Segment made of HyperElasticMaterial"in Journal"RecentTendsinFluid Mechanics", STMPublishers

15. EDUCATIONALEXPERIENCE

- Batch:2016-Jamia MilliaIslamiaUniversity, Delhi, India PursuingPhD
- Batch: 2011-2016 Integrated M.Tech in Mechanical Engineering, Specialization inDesignEngineering,GautamBuddhaUniversity, GreaterNoida,India.

- Batch:2007-2009–SeniorSecondary,JNVRakhJaganoo,Udhampur,J&K, India.
- Batch:2006–2007-Secondary,JNVRakhJaganoo,Udhampur,J&K, India.

WORKINGEXPERIENCE

- (2016-2017) Worked as a Asst. Professor in mechanical engineering Department,SarvottamInstituteof Technology andManagement, GreaterNoida,India.
- (2017-2018) Working as a Guest Faculty in Mechanical Engineering DepartmentandFoodtechnologyDepartment, GautamBudhaUniversity,Greater Noida,India.

RESEARCHANDTRAININGACTIVITIES

CompetitionProjects:

1)ShellEcoMarathonAsia 2014Competition.

Project: An AerodynamicallySustainable HydrogenFuelCellPoweredVehicle **Venue:**6th-9thFebruary,2014,Manila,Philippines, **Role:**CompositeMaterialDesign

AcademicProjects:

- Topic:Developmentoflightweightmaterialforvehiclefrontalbumperbeamdesign. Course:10th SemesterDissertation.
- 2) **Topic:**Designanddevelopmentoflightweightmaterialforvehiclefrontalbumperbeam **Course:**9thSemesterDissertationSeminar.
- 2)**Topic:**Aerodynamicanalysisofatwowheelerrearviewmirror. **Course:**Projectfor8thSemesterSeminar.
- Topic:SimulationofNut-BoltAssembly. Course:WorkshopPracticesProject 2nd Semester.
- 5) Topic:ResearchProject onthetopic"WaterManagementinGBU".

Short TermCourses and Training:

- 1) Short term certificate course on "Conventional and CNC Machines" organized by NationalSmallIndustries CorporationLtd.(NSIC) at Aligarh.
- Seminar on "How to Become a Good Entrepreneur" organized by National Small IndustriesCorporationLtd. (NSIC)at GautamBuddhaUniversity.

ProfessionalMembership:

- 1) SocietyforAutomotiveEngineers(SAE)2011-Present
- 2) AutodeskStudent Community(USA)2011-Present

IndustrialTraining:

1) Manu auto components Pvt.

Ltd., Gurgaon, Haryana, India Learn Automobile Components, Materials and Assembly

2) **CETPAInfotechPvt.Ltd., NOIDA,India** FourweeksummertrainingonCATIA andANSY

Recognitions

- **2016:**Qualified gate
- **2014**: Designed a caronhydrogenfueland presented in celle comarathon in Philippines.
- 2006,2007&2008:GoldMedalin Kabaddi AtnationalLevelin under14,17andunder19
- 2011-2016:BestPlayerofKabaddi inGautamBuddhaUniversityfrom 5times.
- **2013:**GoldMedalinShotputanddiscusthrowonsportdaysinGautamBuddhaUniversity.
- **2008:**NCC"B" certificate.

ExtraCo-Curricular

- 2013:DisciplineCo-coordinatorinNationalLevelEvent"ECO-KART"andCulturalFest"ABHIVYANJANA"in GautamBuddhaUniversity.
- 2013:Co-Coordinatorof Hostel inGautam BuddhaUniversityAnnual SportsFest
- "SHAURYOUTSAV".
- **2014**Daakpather:AttendedADVENTURECAMP fromGautamBuddha University.

PERSONALDETAILS

Dateof Birth: 20July, 1991

Nationality:Indian

Address: VillageMurmakala, P/O Murmakala, District Palamu, Jharkhand-822124

Contact Details: Phone -

+91-9599494199,Email:

rathoresuraj9411@gmail.c

<u>om</u>

REFERENCES

- 1. Dr.RKMishra,AssistantProfessor,GautamBuddhaUniversity,India. Contact:+91-8750413236,<u>raghvendra@gbu.ac.in,mishrark_kanpur@yahoo.com</u>
- Dr, H C Thakur, Assistant Professor, Gautam Buddha University, India,Contact:+91-9411503938, <u>harish@gbu.ac.in</u>
- Dr. Sabah Khan, Associate Professor, jamiaMillia Islamia University, IndiaContact:+91-9891393303,<u>skhan2@jmi.ac.in</u> ,<u>khan_sabha@yahoo.com</u>.

 $\label{eq:linear} Ihere by certify that the information given above is true and correct to the best of myknowledge and be lief.$

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(SurajKumar Singh)

Dr. Sakshi Singh

Contact no: +91-8376040369 E-Mail: <u>singh.sakshi0408@gmail.com</u>

OBJECTIVE

I would like to contribute my service based on my expertise to further my capabilities by learning from the new exposure within the structured framework of the organization.

PROFESSIONAL QUALIFICATION

Course	Year	Name of the Institution	University	Percentage	Branch/Field
PhD	2016- 2022	IGDTUW (Indira Gandhi Delhi Technical University for Women)	IGDTUW, Kashmere Gate	Course work (73%) and PhD Completed	Mechanical and Automation Engineering/ Composite Materials
M.TECH	2014- 2016	IGDTUW, Delhi	IGDTUW, Kashmere Gate	82%	Robotics and Automation Engineering
B. TECH	2009- 2013	ADGITM (NIEC Formally Known), Delhi	GGSIPU	72%	Mechanical and Automation Engineering

ACADEMIC QUALIFICATION

Class	Board	School/Name of the Institution	Year	Percentage
10 TH	CBSE	K V A G C R Colony, Delhi-92	2006-2007	65%
12 TH	CBSE	K V A G C R Colony, Delhi-92	2008-2009	60%

SUBJECT PROFICIENCY

- Composite Materials
- Tribology
- Modeling and Simulation
- Heat and Mass Transfer

SKILLS, ABILITIES & COMPETENCIES

- Highly organized and able to meet deadlines.
- Using proven and research-based teaching strategies.
- Passionate, Focused
- A Quick Learner with a 'Can Do" attitude.
- AutoCAD Software
- Matlab Software

FINAL DEGREE TOPICS

- B. Tech–Study of Composite Materials
- M. Tech–Study of Mg-based Composite Materials
- Ph.D. Experimental Study of Mg-based Hybrid Composite Materials

CERTIFICATION COURSES ACHIEVED

- Creep Deformation of Materials
- Failure Analysis and Prevention
- Friction and Wear of Materials: Principle and Case Studies
- Material Characterization
- Principles of Metal Forming Technology
- Elementary Stereology for Quantitative Metallography
- Auto-CAD
- Skill Development Program on Ansys Software

TEACHING EXPERIENCE

- Hourly basis teaches two subjects (Computer Integrated Manufacturing, Modeling and Simulation) during my Ph.D. course work within the IGDTUW campus as a Contractual Guest Faculty for 2 semesters.
- Currently teaching as "Faculty on Contract" in Mechanical Engineering Department, Gautam Buddha University, Uttar Pradesh from the month of November 2022.

PERSONAL ATTRIBUTES

- Persuasive speaker, Positive learner, and Motivator
- Ever-growing thirst for knowledge and a good learning attitude.

JOURNALS AND CONFERENCES

- [1]. Singh S. & Chauhan N. R. (2021). Influence of B₄C on Microstructural, Mechanical and Wear Properties of Mg-based Composite by Two-Step Stir Casting, *Indian Journal of Engineering and Material Sciences*, 28, 189-197.
 (Published, SCI Indexing and Scopus, IF: 0.881)
- [2].Singh S., & Chauhan, N. R. (2021). Experimentation and Investigation of Mechanical and Thermal Study of Mg/B₄C/Cr Hybrid Composites; *Indian Journal of Pure and Applied Physics*, 59(5), 379-385.
 (Published, SCI Indexing and Scopus, IF: 0.65)
- [3].Singh S. & Chauhan N. R. (2021). Empirical Optimization of Corrosion Rate for Mg/Cr Composites; *Indian Journal of Chemical Technology*, 28(3), 363-368.
 (Published, SCI Indexing and Scopus, IF: 0.57)
- [4].Singh S. & Chauhan N. R. (2021).Study of Abrasive Wear and Abrasion Heating of Mg and Al matrix Composites Reinforced with B₄C and Cr; *Journal of Scientific and Industrial Research*, 80(6), 513-519.
 (Published, SCI Indexing and Scopus, IF: 1.056)
- [5].Singh S. & Chauhan N. R. (2018). Microstructural and hardness study of stir-casted AZ91D/B4C MMCs. *International Journal of Microstructure and Materials Properties*, 13(6), 439-446.
 (Published, Scopus, IF: 0.22)
- [6].Singh S. & Chauhan N. R. (2022). Optimization of adhesive wear behavior of B4C/AZ91D-Mg composites. *Advances in Materials and Processing Technologies*, 1-15. <u>https://doi.org/10.1080/2374068X.2022.2036585</u>
 (Published, SCI Indexing and Scopus, IF: 0.27)
- [7].Singh, S., & Singh, K. K. (2022). A Simulation Method for the Behavior of Hybrid Mg-Based Composite Brake Caliper in Automobile Application. In *Advances in Mechanical and Materials Technology* (pp. 483-490). Springer, Singapore.
 (Published, Book Chapter, Scopus, CPCI Index)
- [8].Singh S. & Chauhan, N. R. (2021). Optimization of Hardness Properties of Magnesium-Based Composites by Using Taguchi Method. In *Recent Advances in Mechanical Engineering*, Lecture Notes in Mechanical Engineering, Springer, pp. 245-251. <u>https://doi.org/10.1007/978-981-15-8704-7_30</u>. (18-19 October 2019) (Published, Book Chapter, Scopus, CPCI Index)
- [9]. Singh, S., & Chauhan, N. R. (2021). Probabilistic optimization of Mg-based composite aircraft frame-a topological analysis, *Materials Today Proceeding*, Elsevier, Volume 43, pp. 636-639. <u>https://doi.org/10.1016/j.matpr.2020.12.175</u> (30 Oct.- 1 Nov,2020)
 (Published Presseding Seering CPCL Index)

(Published, Proceeding, Scopus, CPCI Index)

- [10]. Singh, S., & Chauhan, N. R. (2019). Analysis of fabrication methods on Mgbased MMCs–A Review. *Trends in Mechanical Engineering & Technology*, 8(3), 101-108 (27-28 March 2018) (Published, Google Scholar)
- [11]. Singh, S., & Chauhan, N. R. (2016). An Evaluation of Pure Mg and Mg-Zn Alloy as a Biomaterial in Bone Re modeling-A Review. *Stainless Steel*, 580(195), 50 (Published, Google Scholar)

PERSONAL DETAILS

Date of Birth: 4th August 1991Nationality: IndianLanguages: Hindi, EnglishMarital Status:Married

I declare that all the above statements are true to the best of my knowledge and belief.

(Sakshi Singh) Place: DELHI