Profile Page

Name	:	Dr Ashok Kumar Bagha
Designation	:	Assistant Professor Grade-i
Department	:	Mechanical Engineering
Qualification	:	Post-doc Active Noise Control (Nanyang Technological University (NTU) Singapore) PhD Mechanical Engineering (Design) (IIT Delhi) M.Tech Mechanical Engineering (Design) (NIT Jalandhar) B.Tech Mechanical Engineering (Punjab Technical University) Post-doc Active Noise Control (School of Electrical and Electronic Engineering, Nanyang Technological University (NTU), Singapore)
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Research Interests :

1. Active noise and vibration control
2. Active structural-acoustic control
3. Vibro-acoustics
4. Finite element methods
5. Experimental modal analysis
6. Microwave processing of materials

Other Profile Links :

Google Scholar Link :

Ashok Kumar Bagha Click Here

Personal Web Link :

Dr Ashok Kumar Bagha Click Here

Journal Publications :

Year	Journal	Publication

2022	Physica Scripta, 97	S Verma, S Kango, AK Bagha, S Bahl, "Finite element model updating of smart structures with direct updating algorithm"
2022	Physica Scripta, Volume 97, Number 12	Saurabh Rawat, Rahul Samyal, Raman Bedi, Ashok Kumar Bagha, "Comparative performance of various susceptor materials and vertical cavity shapes for selective microwave hybrid heating (SMHH)"
2022	Journal of Manufacturing Processes	Ankush Thakur, Raman Bedi, Ashok Kumar Bagha, P. Sudahkar Rao, "Microstructural and mechanical properties of mild steel pipes joined using selective microwave hybrid heating"
2022	Physica Scripta	Ashok Kumar Bagha, Shivashrit Tiwari, Shivani Kumari, Rahul Samyal, Raman Bedi, Nitin Sharma, Shashi Bahl," Finite element model updating of microwave welded lap joint with direct updating algorithm"
2022	Indian Journal of Engineering and Materials Sciences	Kartikay Singh Pawar, Ashok Kumar Bagha, Shashi Bahl, Manoj Kumar Agrawal, "Experimental investigation for the dynamic characteristics of short natural fiber reinforced composite materials"
2022	Physica Scripta	Shashi Bahl Shivam Verma, Saurabh Kango, Ashok Kumar Bagha' "Finite element model updating of smart structures with direct updating algorithm"
2021	Physica Scripta, Volume 96, Number 12	Sajid Mohammad Chhipa, Pramod Kumar, Ashok Kumar Bagha and Shashi Bahl "Removing fiber orientation uncertainty from the finite element model of a composite lamina with direct updating algorithm"
2021	Journal of Manufacturing Processes, Volume 68, Part B, August 2021, Pages 1-13	Rahul Samyal, Ashok Kumar Bagha, Raman Bedi, "Evaluation of modal characteristics of SS202-SS202 lap joint produced using selective microwave hybrid heating"
2021	Curr Med Res Pract 2021;11:199-200	Shashi Bahl, Ashok Kumar Bagha, Mohd Javaid, Abid Haleem, "Advancement of multi-agent system in healthcare during COVID-19 pandemic"
2021	Journal of Industrial Integration and Management, 6 (02), 161-174	Nitin Gupta, Shashi Bahl, Ashok Kumar Bagha, Supriya Vaid, Mohd Javaid, Abid Haleem, " Nanomedicine technology and COVID-19 outbreak: applications and challenges"
2021	Materials and Manufacturing Processes 1-7, 2021	Kuldeep K. Saxena & Ashok K. Bagha Mainak Pal , Virinder Kumar , Shankar Sehgal , Harmesh Kumar Microwave hybrid heating based optimized joining of SS304/SS316
2021	Mater. Res. Express 8 (2021) 075302	Rahul Samyal, Ashok Kumar Bagha, Raman Bedi, Shashi Bahl, Shankar Sehgal, Kuldeep K Saxena "Predicting the effect of fiber orientations and boundary conditions on the optimal placement of PZT sensor on the composite structures"
2021	Journal of Industrial Integration and Management 6, 2021	Abhishek Softa, Shashi Bahl, Ashok Kumar Bagha, Shanker Sehgal, Abid Haleem, Mohd Javiad Tissue Engineering and its Significance in Healthcare during COVID-19 Pandemic: Potential Applications and Perspectives
2021	Journal of Industrial Integration and Management 6, 2021	Shashi Bahl, Ashok Kumar Bagha, Shanay Rab, Mohd Javaid, Abid Haleem, Ravi Pratap Singh Advancements in Biosensor technologies for medical field and COVID-19 pandemic
2021	Journal of Industrial Integration and Management 6, 2021	Raju Vaishya, Shashi Bahl, Karthikeyan I Iyengar, Ashok Kumar Bagha, Ibrahim Jaly, Vijay Jain Bioengineering technology in context to COVID-19 pandemic: Potential roles and applications
2021	AIMS Materials Science, 8, 390-415, 2021	Abhishek Sharma, Ashok Kumar Bagha, Dinesh Kumar Shukla, Shashi Bahl Finite element model updating of metallic and composite structures—A state of the art review
2021	Materials Science-AIMS Press, 8, 62-81, 2021	Shashi Bahl *,Tarunpreet Singh, Virinder Kumar, Shankar Sehgal, Ashok Kumar Bagha A systematic review on recent progress in advanced joining techniques of engineering materials

2020	Advances in Building Energy Research	Sanjay Kumar, Anuj Mathur, Rajeev Kukreja, Ashok Kumar Bagha, Quantification of thermal environments and comfort expectations of residents in hostel dormitories during hot and humid days in Indian composite climate, 14, March 2020
2020	Journal of Industrial Integration and Management,5, 2020	Shashi Kushwaha, Shashi Bahl, Ashok Kumar Bagha, Kulwinder Singh Parmar, Mohd Javaid, Abid Haleem and Ravi Pratap Singh Significant Applications of Machine Learning for COVID-19 Pandemic
2020	Research on Biomedical Engineering 36, 1-8	Abhishek Sharma, Shashi Bahl, Ashok Kumar Bagha, Mohd Javaid, Dinesh Kumar Shukla & Abid Haleem Blockchain technology and its applications to combat COVID-19 pandemic
2020	Apollo Medicine, 17 (3) 2020 221-223	Shashi Bahl, Mohd Javaid, Ashok Kumar Bagha, Ravi Pratap Singh, Abid Haleem, Raju Vaishya, Rajiv Suman Biosensors applications in fighting COVID-19 pandemic
2020	Apollo Medicine 17 (5) 2020 41-43	Abhishek Sharma, Shashi Bahl, Ashok Kumar Bagha, Mohd Javaid, Dinesh Kumar Shukla, Abid Haleem Multi-agent system applications to fight COVID-19 pandemic
2020	Apollo Medicine	Rajiv Suman Shashi Bahl, Mohd Javaid, Ashok Kumar Bagha, Ravi Pratap Singh, Abid Haleem, Raju Vaishya, "Biosensors Applications in Fighting COVID?19 Pandemic"
2020	Apollo Medicine	Abid Haleem Abhishek Sharma, Shashi Bahl, Ashok Kumar Bagha, Mohd Javaid, Dinesh Kumar Shukla, "Multi?Agent System Applications to Fight COVID?19 Pandemic"
2017	Journal of Smart Structures and Systems, An International Journal 20 (3), 2017, 273-283	• Ashok K Bagha and S V Modak, “Feedback control strategies for active control of noise inside a 3-D vibro-acoustic cavity”,
2017	Journal of the Low Frequency, Noise Vibration and Active Control , 36 (3), 2017, 261-276	• Ashok K Bagha and S V Modak, “Active structural-acoustic control of interior noise in a vibro-acoustic cavity incorporating system identification”,
2017	International Journal of Mechanical Engineering and Technology, 18 (7), 2017, 1225-1230	• Tharun Kumar and Ashok K Bagha, “Choice of optimal location of collocated piezoelectric sensors on steel plate using mode shapes”,
2015	Journal of the Acoustical Society of America (JASA), 138 (1), July 2015, 11–21	• Ashok K Bagha and S V Modak, “Structural sensing of interior sound for active control of noise in structural-acoustic cavities”,
2015	Journal of the Acoustical Society of India (JASI), 42 (2), April 2015, 84– 94	• Ashok K Bagha and S V Modak, “Feedback Control strategies for Active Structural-Acoustic Control of Interior Noise”,

Conference Publications :

Year	Conference	Publication
2021	Second International Conference on Aspects of Materials Science and Engineering (ICAMSE 2021).	Ashok Kumar Bagha Shashi Bahl, Surjeet Singh, Parveen Goyal, Experimental investigations on brass material and pin–fin based heat transfer system and its modeling by using adaptive neuro-fuzzy inference system
2021	International Conference on materials, Processing & Characterization, 2021	Shashi Bahl, Shanker Sehgal ,Ashok Kumar Bagha Experimental investigations into sound transmission loss by different materials at aircraft noise

2021	International Conference on Recent Advances in Mechanical Engineering Research and Development, 2021	Sajid Mohammad Chhipa, Pramod Kumar, Ashok Kumar Bagha, Shashi Bahl Removing uncertainty in the boundary condition of five degree of freedom spring mass vibratory system using direct updating method
2021	International Conference on Recent Advances in Mechanical Engineering Research and Development, 2021	Mohit Kumar Saini, Ashok Kumar Bagha, Sanjay Kumar, Shashi Bahl Finite element analysis for predicting the vibration characteristics of natural fiber reinforced epoxy composites
2021	International Conference on Recent Advances in Mechanical Engineering Research and Development, 2021	Ashok Kumar Bagha, Shashi Bahl Strain energy and finite element analysis to predict the mechanical properties of vapor grown carbon fiber reinforced polypropylene nanocomposites
2021	4th International conference on advanced materials and modern manufacturing (ICAMMM 2021), ADHI COLLEGE OF ENGINEERING & TECHNOLOGY Tamilnadu, India	Adarsh Kumar Yadav, Ashok Kumar Bagha, Shashi Bahl Experimental modal analysis for measuring the structural damping capacity of microwave cast SS202 material
2020	10th International Conference of Materials Processing and Characterization, GLA University Mathura, 21st -23rd February 2020	Mohit Kumar Saini, Ashok Kumar Bagha, Sanjay Kumar, "Experimental study to measure the transmission loss of double panel natural fibers"
2020	10th International Conference of Materials Processing and Characterization, GLA University Mathura, 21st -23rd February 2020	Rahul Samyal, Ashok Kumar Bagha, Raman Bedi, "Microwave joining of similar/dissimilar metals and its characterizations: A review"
2020	10th International Conference of Materials Processing and Characterization, GLA University Mathura, 21st -23rd February 2020	Rahul Samyal, Ashok Kumar Bagha, Raman Bedi, "The casting of materials using microwave energy: A review"
2020	10th International Conference of Materials Processing and Characterization, GLA University Mathura, 21st -23rd February 2020	Anoop Kumar, Shankar Sehgal, Surjeet Singh, Ashok Kumar Bagha, "Joining of SS304-SS316 through novel microwave hybrid heating technique without filler material"
2020	10th International Conference of Materials Processing and Characterization, GLA University Mathura, 21st -23rd February 2020	Shashi Kushwaha, Ashok Kumar Bagha, "Application of composite materials for vibroacoustic – A review"
2020	International Conference on Aspects of Materials Science and Engineering ICAMSE 2020	Ankush Kesharwani, Raman Bedi, Ashok Kumar Bagha, Shashi Bahl, "Experimental study to measure the sound transmission loss of natural fibers at tonal excitations"
2020	International Conference on Advanced Materials and Modern Manufacturing	Ashok KUmar Bagha, Shashi Bahl, "Finite element analysis on VGCF/PP reinforced square RVE to predict its mechanical properties for different loadings"
2020	International Conference on Aspects of Materials Science and Engineering ICAMSE 2020	Shashi Bahl, Rameshwar Cambow, Ashok Kumar Bagha, " An experimental study to measure the acoustical properties of natural fibers at real case broadband excitations"
2020	International Conference on Advanced Materials and Modern Manufacturing	Shashi Bahl, Ashok Kumar Bagha, "Finite element modeling and simulation of the fiber-matrix interface in fiber reinforced metal matrix composites"
2020	International Conference on Aspects of Materials Science and Engineering ICAMSE 2020	Sanjeev Kumar , Shankar Sehgal,* , Surjeet singh , Ashok Kumar Bagha, "Investigations on material characterization of joints produced using microwave hybrid heating"

2020	ICAMMM 2020.Materials Today: Proceedings 39 (2021) 70–7671	Shashi Bahl, Ashok Kumar Bagha Finite element modeling and simulation of the fiber–matrix interface in fiber reinforced metal matrix composites
2020	ICAMMM 2020, Materials Today: Proceedings 39 (2021) 54–5955	Ashok Kumar Bagha, Shashi Bahl Finite element analysis of VGCF/pp reinforced square representative volume element to predict its mechanical properties for different loadings
2020	Proceedings of International Conference on Industrial and Manufacturing systems, Dr. B R Ambedkar national institute of technology Jalandhar, 10.10.2020.	Nitin Gupta, Ashok Kumar Bagha, Shashi Bahl Application of State Space Method on a Beam to Predict its Response in Time and Frequency domain
2019	1st International Conference on Materials Science & Engineering	Ankush Kesharwani, Raman Bedi, Ashok Kumar Bagha, "Experimental study to measure the equivalent continuous A-weighted sound pressure level of hemp material for train noise"
2019	International Multidisciplinary Academic Research Conference	Sahil Nandwani, Sachit Vardhan, Ashok Kumar Bagha, "Microwave Joining of composite materials- A short review"
2019	International Conference on Emerging Trends in Traditional and Technical Textiles	Ankush Kesharwani, Mohit Kumar Saini, Raman Bedi, Ashok Kumar Bagha, "Experimental study to measure the equivalent continuous A-weighted sound pressure level of natural fiber-air-natural fiber materials at broadband excitations"
2019	International Conference on Emerging Trends in Traditional and Technical Textiles, Dr. B R Ambedkar National Institute of Technology Jalandhar, 1st-3rd November 2019	Divyansu Sharma, Shivam Singla, Aman Deepak Jogendra Pratap Singh, Mohit Kumar, Ashok Kumar Bagha, "Experimental study to measure the equivalent continuous A-weighted sound pressure level of double panel natural fibers at white noise excitations"
2019	International Conference on Materials and Manufacturing Methods, National Institute of Technology, Trichy, 5th-7th July 2019	Rahul Samyal, Ashok Kumar Bagha, Raman Bedi, "An experimental study to predict the exposure time for microwave based joining of different grades of stainless steel material"
2019	International Conference on Materials and Manufacturing Methods, National Institute of Technology, Trichy, 5th-7th July 2019	Ashok Kumar Bagha, Prashant Gupta, Varun Panwar, "Finite element model updating of a composite material beam using direct updating method",
2019	International Conference on Materials and Manufacturing Methods, National Institute of Technology, Trichy, 5th-7th July 2019	Sahil Nandwani, Sachit Vardhan, Ashok Kumar Bagha, "A literature review on the exposure time of microwave based welding of different materials"
2019	International Conference on Materials and Manufacturing Methods, National Institute of Technology, Trichy, 5th-7th July 2019	Anil Kumar, Sagar Claire, Jatin Khanna, Nikhil Dhadwal, Nakul Ninama, Ashok Kumar Bagha, "Experimental study to measure the sound transmission loss and equivalent continuous sound pressure level of composite material for various disturbances"
2018	Proceedings of the 19th ISME conference on Advances in Mechanical Engineering, held at NIT Jalandhar, December 20-22, 2018	Ankush Kesharwani, Raman Bedi and A K Bagha, “Natural Fiber Composites for Sound Reduction: A Review”
2018	Soft Computing: Theories and Applications (SOCTA) - 2018, held at NIT Jalandhar, 21-23 December 2018	Ashok Kumar Bagha, " An Adaptive Feedforward filtered-x LMS Algorithm for Interior Noise Control – A short review"
2017	Proceedings of ICCAE-17, Feb. 18-21, 2017, Sydney, Australia, 264-268, ACM Digital Library, 264-268	• Ashok K Bagha and S V Modak, “Active structural-acoustic control of interior noise using direct output feedback-an experimental study",

2017	IOP Conf. Series: Materials Science and Engineering 225 (2017), 1-7	• Rahul Samyal and Ashok K Bagha, “Optimal location of piezoelectric patch on composite structure using viewing method",
2017	International Conference on Advances in Materials, Manufacturing and Applied Sciences (ICAMMAS)-2017, held at Sri Sai Ram Institute of Technology, Sai Leo Nagar, West Tambaram, Chennai, India, 30-31 March 2017	• Rahul Samyal, Sukhjeet Singh and Ashok K Bagha, “Modal analysis of composite panel at different fiber orientations”,
2015	Proceedings of the 17th ISME conference on Advances in Mechanical Engineering, held at IIT Delhi, New Delhi, October 3-4, 2015	• Ashok K Bagha and S V Modak, “Active structural-acoustic control of interior noise using direct output feedback”,
2014	Proceedings of the 32nd International Modal Analysis Conference (IMAC-XXXII), A Conference and Exposition on Structural Dynamics, Orlando, Florida, USA, (3-6 February), 2014, 221-241	• Ashok K Bagha and S V Modak, “Virtual Sensing of Acoustic Potential Energy through a Kalman Filter for Active Control of Interior Sound”,
2014	Proceedings of INTER-NOISE 2014, 43rd International Congress on Noise Control Engineering, Melbourne, Australia, 16-19 November 2014	• Ashok K Bagha and S V Modak, “ A study on the influence of model uncertainties on the performance of a feedback control based ASAC system”,
	Proceedingsof 2nd International Conference on Advances in Mechanical and system Engineering, Dr. B R Ambedkar national institute of technology Jalandhar,	Nitin Gupta, Ashok Kumar Bagha, Shashi Bahl Optimal location of PZT sensors and actuators for the metallic and composite structures

Book/Chapter Publications :

Type	Title	Publisher	Authors	ISBN/ISSN No.	Year
Scopus	Removing Error and Estimating an Accurate Finite Element Model of Graphite–Epoxy Composite Laminate Structure Using Direct Updating Method	Springer, Singapore	Abhishek Sharma, Dinesh Kumar Shukla, Ashok Kumar Bagha, Shashi Bahl	978-981-16-5370-4	2022
Scopus	Significant Applications of Composite and Natural Materials for Vibration and Noise Control: A Review	Springer, Singapore	Pawar K.S., Bagha A.K., Bahl S., Nandan D.	978-981-16-5370-4	2022
Scopus	Prediction of Thermal Aspects for Brass Material-Based Natural Convection Heat Transfer System by Using Adaptive Neuro-fuzzy Inference System.	Springer, Singapore	Singh S., Bahl S., Trehan S., Goyal D., Bagha A.K.	978-981-16-5370-4	2021
Scopus	State Space Method to Predict the Modal Model of a Five Degree of Freedom Spring Mass Vibratory System	Springer, Singapore	Gupta N., Bagha A.K., Bahl S.	978-981-16-5370-4	2021

Research Projects :

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator

PI	Internal Sponsored	Design and Fabricate a Composite Window to Mitigate the Urban Traffic Noise in dwellings	TEQIP-III, Dr B R Ambekdar National Institute of Technology Jalandhar	2018	2019	100000	In Progress	
Principal investigator	Technical	Piezoelectric actuators for position/shape control applications	ISRO	03-2020	03- 2022	2194943	In process	Dr. Kiran Singh, Dr. Sanjay, Mr. Sanjeev Kumar (ISRO Mentor)
Principal investigator	Technical	Design and development of D- Sub miniature space grade connectors for space applications	ISRO	March 2020	March 2022	2400000	In process	Dr. Satish Awasthi, Mr. Jiwan Kumar Pandit (from ISRO)

Events Organized :

Category	Type	Title	Venue	From	To	Designation
FDP/STC	National	FEM and Modal Analysis in Engineering	Dr. B R Ambedkar National Institute of Technology Jalandhar	24-12-2019	28-12-2019	Coordinator
Organize a one day webinar on “ World Water Day-2021”	National	“ World Water Day-2021”	Dr. B R Ambedkar NIT Jalandhar	22-03-2021	22-03-2021	Coordinator
"Swachhta Pakhwada" under Swachh Bharat Abhiyan	National	Swachhta Pakhwada-2021	Dr. B R Ambedkar National Institute of Technology Jalandhar	1-9-2021	15-9-2021	Coordinator
FDP/STC	National	FEM and Modal Analysis in Engineering	Dr. B R Ambedkar National Institute of Technology Jalandhar	11-03-2022	15-03-2022	Coordinator

Professional Affiliations :

Designation	Organization
Member	ISME

PhD Supervised :

Scholar Name	Research Topic	Status	Year	Co-Supervisor
Sajid Mohammad Chhipa	Molecular Dynamics	In-progress	2022	Dr. Sumit Sharma
Ashish Kumar	Vibroacoustic behavior of composite structures	In-progress	2022	Dr. Sumit Sharma
Munish Baboria (Part Time Student)	Microwave Processing of materials	In-progress	2021	Dr. Nitin Sharma
Parminder Singh	Performance analysis of concentrating solar collector with nano fluid	In Progress	2019	Dr. Sanjay
Mr Rahul Samyal	Microwaves in material processing	In Progress	2018	Dr Raman Bedi

PG Dissertation Guided :

Student Name	Dissertation Title	Status	Year	Co-Supervisor
Lokesh	Finite element model updating of smart structures	In-progress	2022	
Nikhil Sharma	Finite element model updating of smart structures using ABAQUS	In-progress	2022	
Adarsh Kumar Yadav	In-situ microwave casting of metals and metal matrix composites and their modal analysis	Completed	2021	
Nitin Gupta	ACTIVE VIBRATION CONTROL AND OPTIMAL LOCATION OF PIEZOELECTRIC PATCHES ON CANTILEVER BEAM USING MODAL ANALYSIS	Completed	2021	
Kartikay S. Pawar	MECHANICAL AND VIBRATION ANALYSIS OF NATURAL FIBER REINFORCED COMPOSITES	Completed	2021	
Sajid Mohammad Chhipa	APPLICATION OF DIRECT UPDATING METHOD TO REMOVE THE UNCERTAINITIES PRESENT IN THE SIMULATED FINITE ELEMENT MODEL OF A METALLIC AND A COMPOSITE LAMINA	Completed	2021	Dr. Pramod Kumar
Abhishek Sharma	Finite element model updating of composite and metallic structures	Completed	2021	Dr. D K Shukla
Vipin Sharma	Performance analysis of a direct absorption solar collector using gold nanoparticle based plasmonic nanofluid	Completed	2021	Dr. Sanjay
Mohit Kumar Saini	Experimental and analytical study to measure the acoustical and damping properties of natural fibers	Completed	2020	Dr. Sanjay
Ankush Kesharwani	An experimental study to measure the acoustical properties of different materials	Completed	2019	Dr. Raman Bedi
Simran Pal Singh	Design and development of an experimental setup for trajectory control and force control of biomimetic fingers by a tendon based actuation system in processing	Completed	2019	Dr. Joseph Anand Vaz
Tanuj Kumar Thakur	Evaluate the effect of fiber orientation on the mode shapes of a composite lamina	In-progress		Dr. Saurabh Kango
Shivani Kumari	Finite element model updating of microwave welded SS202-SS202 lap joint	In-progress		Dr. Nitin Sharma
Shivashrit Tiwari	Evaluate the effect of fiber orientation on the sound radiation of a composite material lamina	In-progress		

Shivam Verma	Piezoelectric actuators for position/shape controlapplications	In-progress		Dr. Saurabh Kango
Vishal Kumar Ram	Evaluate the effect of mold thickness on the modal characteristics of microwave casted metals	In-progress		

Patents :

Name	Reg./Ref. No.	Date of Award/Filling	Organization	Status
A DRILLING MACHINE AND A METHOD OF DRILLING	810/DEL/2006	28-12-2017	LOVELY FACULTY OF TECHNOLOGY AND SCIENCES, LOVELY PROFESSIONAL UNIVERSITY	Granted
A process of axial loading inside the microwave applicator for joining different materials	202211049041	26-08-2022	Dr B R Ambedkar National Institute of Technology Jalandhar Punjab	Published

Admin. Responsiblities :

Position Held	Organization	From	To
Member of Entrepreneurship Development Cell (EDC)	Dr B R Ambedkar National Institute of Technology Jalandhar	13-07-2021	
Coordinator of SWACHH BHARAT	Dr B R Ambedkar National Institute of Technology Jalandhar	2021	

Award and Honours :

Title	Activity	Given by	Year
Best Paper Presentation certificate	2nd International Conference on Aspects of Materials Science and Engineering ICAMSE2021 5-6th March, 2021 Organized by Panjab University, Chandigarh, India	2nd International Conference on Aspects of Materials Science and Engineering ICAMSE2021 5-6th March, 2021 Organized by Panjab University, Chandigarh, India	2021
Best Paper Award	International conference on Advanced Materials and Modern Manufacturing	ACET	2020
Best Research paper	International Conference on Aspects of Materials Science and Engineering	UIET, Chandigarh	2020
Best Paper Award	International Conference on Materials and Manufacturing Methods, NIT Trichy, 5th-7th July 2019	NIT Trichy	2019
5th Position in Punjab Technical University during 5th Semester	B. Tech Mechanical Engineering	PTU	2004