

Patent	
	Manish Kumar and K N Pandey, Design Registration for "Load Lifting and Shifting Mechanism". Design No.362263-001 dated 10-04-2022. Original 128008
Publications	
(a) International Journal	
1.	Pandey KN and Chand Satish “Deformation based Temperature Rise: A review” International Journal of Pressure Vessels and Piping, Vol.80, Num.10, 673-687, 2003; SCI
2.	Pandey KN and Chand Satish “An Energy Based Fatigue Crack Growth Model”, International Journal of Fatigue, 25(2003), 771-778; SCI
3.	Pandey KN and Chand Satish “Fatigue Crack Growth Model for Constant Amplitude Loading” Fatigue and Fracture of Engineering Materials and Structure, 27, 459-472, 2004; SCI
4.	K.N.Pandey and Satish Chand, “Analysis of Temperature Distribution near the Crack Tip under Constant Amplitude Loading”, Fatigue and Fracture of Engineering Materials and Structures. Vol.31, 2008, pp.-316-326; SCI
5.	K.N.Pandey and Yogesh K Tembhurne Fatigue life assessment of fastened composite (FRP and CRP) plates: A comparative study” Applied Mechanics and Materials, Vol.110-116 (2012) pp. 1155-1160, doi:10.4028/www.scientific.net/AMM.110-116.1155; SCIImago
6.	Vijay Kumar Dwivedi, Satish Chand, K. N. Pandey, “Analysis of Hybrid (Hydrodynamic/Hydrostatic) Journal Bearing”, Advanced Materials Research Vol. 650 (2013) pp 385-390; SCIImago
7.	Vijay Kumar Dwivedi, Satish Chand and K N Pandey, “Effect of number and size of recess on the performance of hybrid (hydrodynamic/hydrostatic) journal bearing, Procedia Engineering 51 (2013) 810 – 817; Scopus
9.	Vijay Kumar Dwivedi, Satish Chand and K N Pandey, “Effect of different flow regime on the static and dynamic performance parameter of hydrodynamic bearing, Procedia Engineering 51 (2013) 520 – 528; Scopus
10.	Chetan Swaroop, Arunesh Kumar Srivastava and K. N. Pandey, “SPH Simulation of Ballistic Impact on Ceramic Plate”, International Journal on Theoretical and Applied Research in Mechanical Engineering (IJTARME), ISSN : 2319 – 3182, Volume-2, Issue-1, 2013
11.	Abdul Arif, Abhishek and K.N.Pandey, “Thermo-mechanical Modeling for Residual Stresses of Friction Stir Welding of Dissimilar Alloys”, International Journal of Engineering Science and Technology (IJEST), ISSN : 0975-5462 Vol. 5 No.06 June 2013, pp.1195-1204
12.	Vijay Kumar Dwivedi, Satish Chand and K N Pandey, Effects of turbulence on dynamic performance of accelerated/decelerated hydrodynamic journal bearing system, Int. J. Design Engineering, Vol. 5, No. 3, Page 256-288, 2014
13.	Rajesh Prasad Verma, K.N.Pandey and Yogesh Sharma, “Effect of ER4043 and ER5356 filler wire on mechanical properties and microstructure of dissimilar aluminium alloys, 5083-O and 6061-T6 joint, welded by the metal inert gas welding”, Proc IMechE Part B: J Engineering Manufacture 2015, Vol. 229(6) 1021–1028. SCI, Scopus

14.	Dipak Kumar and K.N.Pandey, “A finite element simulation of the stress intensity factors in a pre-edge crack plate before and after coatings subjected to thermal loading” International Journal of Computational Materials Science and Surface Engineering, Vol. 6, No. 2, 2015; Scopus
15.	Dipak Kumar, K.N.Pandey, Deepak K Das, “Thermal barrier coatings on aluminium-based alloy 2024 for high temperature protection subjected to thermal cyclic loading” Procedia Materials Science (Elsevier), 5 (2014) 1075 – 1080
16.	Dipak Kumar, K.N.Pandey, Dipak Kumar Das, “Thermal cyclic resistance behavior of Inconel 800 super alloy substrate with thermal barrier coatings by plasma spraying, Materials Today: Proceedings 2 (2015) 3156 – 3160; Scopus
17.	Saurabh Kumar Gupta, K. N. Pandey, Rajneesh Kumar “Comparison of ANN and Regression Modeling for Predicting the Responses of Friction Stir Welded Dissimilar AA5083-AA6063 Aluminum Alloys Joint” Applied Mechanics and Materials Vols. 813-814 (2015), 415-419. SCIImago
18.	Saurabh Kumar Gupta, K. N. Pandey, Rajneesh Kumar “Effect of Process Parameters on Mechanical Properties and Temperature Profile of Friction Stir Welding of Dissimilar AA5083 and AA6063 Aluminum Alloys” Applied Mechanics and Materials Vols. 813-814 (2015), 425-430. SCIImago
19.	Saurabh Kumar Gupta, K. N. Pandey, Rajneesh Kumar “Artificial Neural Network Modeling for Predicting the Tensile Strength Microhardness and Grain Size of Friction Stir Welded Dissimilar AA5083-AA6063 Aluminum Alloys Joints” Journal of Advanced Research in Mechanical Engineering and Technology Vol. 1 (1) (2015) 11-17. ISSN 2454-8650
20.	Saurabh Kumar Gupta, K. N. Pandey , Rajneesh Kumar “Multi-Objective Optimization of Friction Stir Welding of Aluminium Alloy Using Grey Relation Analysis with Entropy Measurement Method” Nirma University Journal of Engineering and Technology Vol. 3 (1), (2014), 29-34. ISSN 2231- 2870.
21.	Saurabh Kumar Gupta, K.N. Pandey “Application of Taguchi Method for Optimization of Friction Stir Welding Process Parameters to Joining of Al Alloy” International Journal of Advanced Materials Manufacturing and Characterization (IJAMMC) Vol. 3 (1) (2013), 253-258. ISSN 2277-3886
22.	Dipak Kumar and K.N. Pandey, Optimization of the process parameters in generic thermal barrier coatings using the Taguchi method and grey relational analysis, doi: 10.1177/1464420715602727, Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications August 24, 2015, [SCI Expanded, Scopus] Impact Factor 1.625
23.	D Kumar, KN Pandey, DK Das , “Characterization of air plasma based 7YSZ aluminum alloys thermal barrier systems for hot zone”, Proc IMechE Part L: J Materials: Design and Applications 2018, Vol. 232(7) 582–591. https://doi.org/10.1177/1464420716640570 [SCI Expanded, Scopus]
24.	D Kumar, KN Pandey, “Study on dry sliding wear characteristics of air plasma spraying deposited CoNiCrAlY intermetallic coatings on aluminium alloy substrate”, International Journal of Surface Science and Engineering 10 (3), 303-316, 2016 [SCI Expanded, Scopus]

25.	D Kumar, KN Pandey, DK Das, “Microstructure studies of air-plasma-spray-deposited CoNiCrAlY coatings before and after thermal cyclic loading for high-temperature application” International Journal of Minerals, Metallurgy, and Materials 23 (8), 934-942, 2016. [SCI Expanded, Scopus]
26.	V. K. Dwivedi, S. Chand and K. N. Pandey, “Stability Analysis of Twin Axial Groove Hybrid Journal Bearing”, Journal of Applied Fluid Mechanics, Vol. 9, No. 6, pp. 2763-2768, 2016. [SCI Expanded]
27.	Rajesh Prasad Verma, K.N.Pandey, Fracture Behavior of GMA Welded Joints of Dissimilar and Similar Aluminum Alloys of 6061-T6/5083-O” Journal of Failure Analysis and Prevention 17 (2), 248-254, 2017. [SCIImago, Scopus]
28.	Shivank Matele and K.N.Pandey, “Effect of surface texturing on the dynamic characteristics of hydrodynamic journal bearing comprising concepts of green tribology”, Proc IMechE Part J: Journal of Engineering Tribology, 2018, Vol. 232(11) 1365–1376. [SCI]
29.	Atul Kumar Sharma, Abhishek Pandey, Dharmendra Kumar Shukla, K N Pandey, “Effect of Self-Healing Dicyclopentadiene Microcapsules on Fracture Toughness of Epoxy”, Materials Today: Proceedings 5, 2018, pp.21256–21262. [Scopus]
30.	Arunesh Kumar Srivastava and K.N.Pandey, “Comparison of Lagrange Method& SPH Method of Numerical Simulation of KFRP Plate Impact by 9mm Projectile”, International Journal of Scientific & Engineering Research Volume 9, Issue 5, pp.40-50, May-2018 40 ISSN 2229-5518
31.	Kumar, D., Pandey, K.N. Experimental investigations of sol-gel process parameters for wear reduction on thermal barrier coated AA2024 aluminum alloys with the use of Taguchi-based optimization. Sādhana 45, 187 (2020). [SCIImago, SCOPUS, Science Citation Index Expanded (SciSearch)]
32.	Kumar, D., Pandey, K.N. Study on Sol–Gel Synthesized IN800 Thermal Barrier Coatings Subjected to Thermal Cyclic Loading: Effect of Metallic Substrates. Metals and Materials International (2020). Volume 26, Issue 8, September 2020, https://doi.org/10.1007/s12540-020-00829-z (SCI, Scopus)
33.	Kumar, D., Pandey, K.N., “Solid Particle Erosive Wear Behavior Of Sol–Gel-Derived Aa2024 Thermal Barrier Coatings” Surface Review and Letters, Vol. 28, No. 02, 2050051 (19 November 2020) (SCI)
34.	Kumar, D., Pandey, K.N., “A comparative study of erosion wear rate of conventional and unconventional thermal barrier coatings on IN800 superalloys” Sādhana (06 July 2021)46:133 (SCI)
35.	Ajmit Kumar, Sanket Kumar and K N Pandey, Life Prediction of C3X Gas Turbine blade of CMSX-4 Material, Advances in Materials and Processing Technologies, 27 Feb 2022 DOI: 10.1080/2374068X.2022.2039425 [Scopus, SCIImago]
36.	Gurkirat Singh and K N Pandey, “Effect of cryogenic treatment on properties of materials: A review”, Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, https://doi.org/10.1177/09544089221090189 , IF: 1.822, Volume: 236 issue: 4, pp.1758-1773, April 19, 2022 (SCI)

37	Gurkirat Singh and K N Pandey, “Effect of deep cryogenic treatment, tempering temperature and time on hardness of Nimonic-90, Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, Volume 238, Issue 4, August 2024, Pages 1626-1636, (SCI)
38	Gurkirat Singh and K N Pandey, Effect of soaking time on deep cryogenic treatment of Nimonic-90 alloy, Proc IMech E Part E: J Process Mechanical Engineering, Volume 239, Issue 2, April 2025, Pages 938-949 (SCI)
39	Manish Kumar and K N Pandey "Enhancing Journal Bearing Performance through Surface Texturing: A Comprehensive Review of Latest Developments and Future Prospects" Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, https://doi.org/10.1177/09544089231211230 , First published online November 7, 2023 [SCI].
40.	K N Pandey and Gurkirat Singh, “Application of EMI technique in crack propagation under the block loading conditions for AA6061 alloy”, Procedia Structural Integrity 58 (Jan 2024) 122–129
41.	Manish Kumar , Upendra Singh Medtiya, Jeewan Chand Atwal and Kailash Narayan Pandey, “Enhancing the stability and performance of high-speed hydrodynamic journal bearings through surface texturing in turbulent flow regimes”, Proc IMechE Part C: J Mechanical Engineering Science 1–19 IMechE 2025 DOI: 10.1177/09544062251339957, Accepted: 19 April 2025
42.	Manish Kumar and K N Pandey, “Effect of diverse textures on dynamic characteristics of hydrodynamic journal bearing for turbulent flow” Proc IMechE Part C: J Mechanical Engineering Science 1–11, IMechE 2025, DOI: 10.1177/09544062251351413, Accepted: 01 June 2025
(b) Indian Journal	
1.	D Kumar, KN Pandey, “Thermo-structural analysis of sol-gel route based yttria stabilized tetragonal zirconia (YSTZ) powders for thermal barrier applications, Indian Journal of Chemical Technology 24 (2017), 153-161; SCI
2.	Dipak Kumar and Kailash Narayan Pandey, “Study on dry-sliding wear (DSW) of uncoated IN800 super alloy and sol-gel based dip coated IN800 substrate” Indian Journal of Engineering & Materials Sciences Vol. 27, September 2020, pp. 631-642 [SCI, Scopus]
(c) International Conference	
1.	Chand Satish and Pandey KN “ A Model of Fatigue Crack Growth rate Based on Damage Accumulation”, 23rd International Conference on offshore Mechanics and Arctic Engineering, June 2004, Vancouver, British Columbia Canada.
2.	Dhruv Kumar and K.N.Pandey, “Fuzzy based quality Function Deployment: Design and Development of a Garbage Collector”, International conference on computational Design in Engineering, Nov. 3-6, 2009, Seoul, S.Korea
3.	Pandey K.N. and Singh Ravindra K , “Effect of single overload on fatigue life of Al alloy bolted joint”, Proceeding 18th European Conference on Fracture, held at Dresden, Germany from Aug,30 to Sept 3 2010.

4.	K.N.Pandey and Yogesh K Tembhurne Fatigue life assessment of fastened composite (FRP and CRP) plates: A comparative study” proceeding “The 2011 International Conference on Mechanical and Aerospace Engineering (ICMAE 2011) held in Bangkok, Thailand during July 29-31, 2011.
5.	Rajesh P Verma and K N Pandey, “ Investigation of fatigue life of 6061-T6 and 5083-O aluminium alloys welded by two welding processes- manual metal arc welding and metal inert gas welding, Proceeding of the International Conference on Recent trends in Engineering and Technology, Sept 9, 2012, by Agency of Science Technology and Research (ASTAR), Bhubaneshwar, India, pp: 45-50.
6.	Rajesh P Verma & K. N. Pandey, —Investigation of fatigue life of 6061-T6 and 5083-O aluminium alloys welded by two welding processes-manual metal arc welding and metal inert gas welding, International Conference on Mechanical and Industrial Engineering (ICMIE) -9th Sept, 2012, Dehradun- ISBN: 978-93-82208-20-4.
7.	Gupta Saurabh Kumar and Pandey K N, “ Process parameter optimization for friction stir welding of 7075 Al alloy using Taguchi method” International conference on Innovations in Design and manufacturing”, organised by PDPM Indian Institute of Information Technology Design and Manufacturing (IIITDM) Jabalpur from 05.12.2012 to 07.12.2012.
8.	Chetan Swaroop, Arunesh K Srivastava and K N Pandey, “SPH simulation of ballistic impact on ceramic plate”, International Conference on Engineering & Management held at Institute for research and development India, Bhubaneshwar, Odisha on January 27 2013
9.	Abdul Arif, Saurabh Kumar Gupta, K.N. Pandey, “Finite Element Modeling for Validation of Maximum Temperature in Friction Stir Welding of Aluminum Alloy”, 3rd International Conference on Production and Industrial Engineering (CPIE-2013) to be held from 29 – 31 March, 2013 at Dr.B.R.Ambedkar NIT Jalandhar. pp. 1087-1094. ISBN No: 978-81-920453-1-3
10.	Krashn Kumar Dwivedi, Abdul Arif and K.N.Pandey, “Analytical study of stress intensity factor in a thermal barrier coated plate under thermal varying load”, Proceeding of International conference on Advances in Mechanical Engineering, May 29-31, 2013 COEP, Pune Maharastra, India, Paper ID-ICAME2013_S06/O4
11.	Abhishek, Abdul Arif and K.N.Pandey, “Life estimation of natural fibre (Banana) reinforced composite under cyclic loading”, Proceeding of International conference on Advances in Mechanical Engineering, May 29-31, 2013 COEP, Pune Maharastra, India, Paper ID-ICAME2013_S06/O3
12.	Abdul Arif, Chetan Swaroop and K.N.Pandey, “Temperature validation for friction stir welding (FSW) of dissimilar aluminum alloys”, Proceeding of International conference on Advances in Mechanical Engineering, May 29-31, 2013 COEP, Pune Maharastra, India, Paper ID-ICAME2013_S11/O2
23.	Saurabh Kumar Gupta and K.N.Pandey, “Fatigue Crack Growth Analysis of Mild Steel Plate Welded by Friction Stir Welding”, Proceedings of the ASME 2013 International Mechanical Engineering Congress and Exposition IMECE2013 November 15-21, 2013, San Diego, California, USA
24.	Dipak Kumar, K.N.Pandey, Deepak K Das, “Thermal barrier coating on Al-alloy 2024 for protection under isothermal and cyclic heating conditions” (ATSC 237) Accepted” for presentation at the 6 th Asian Thermal Spray Conference (ATSC-2014) held during 24-26 th November, 2014 in Hyderabad, India
25.	Ajaya Bharti, K.N.Pandey and K.M.Gupta, “Effect of mean stress on performance of double lap bolted joint”, International conference on Metallurgical and Materials Processes, Products and Applications,, January 8-10, 2014, O.P.Jindal Institute of Technology, Raigarh (C.G.).

26.	Ajaya Bharti, K.N.Pandey and K.M.Gupta, “Effect of cryorolling on microstructure of Al-2024”, International conference on Metallurgical and Materials Processes, Products and Applications, January 8-10, 2014, O.P.Jindal Institute of Technology, Raigarh (C.G.).
27.	Dipak Kumar and K.N.Pandey, “Study on Thermal Fatigue Behaviour of Plasma Sprayed based Yttria-Zirconia Aluminium Alloys Thermal Barrier Coatings (TBCs) Systems”, Proceeding ICE2CSM2E held on 23rd February, 2014 at Pune, India organized by IRAJ Research Forum and in association with Institute of Research and journals(IRAJ)
28.	Vijay Kumar Dwivedi, Satish Chand and K N Pandey, “Effect of the groove dimensions and orientation on the static and dynamic performance of non recessed hybrid journal bearing” Proceeding International Conference on System Engineering (ICSEngg 2014) held at University of Nevada, Las Vegas (USA) from 19-21 August 2014. [Scopus]
29.	Saurabh Kumar Gupta, K. N. Pandey, Rajneesh Kumar “Effect of Process Parameters on Temperature distribution of Friction Stir Welding of Dissimilar AA5083 and AA6063 Aluminum Alloys” International Conference on Friction based Processes (ICFP-2014), Indian Institute of Science (IISc) Bangalore, 04-06 September 2014.
30.	Dipak Kumar, K.N.Pandey, Deepak K Das, “Thermal barrier coating on Al-alloy 2024 for protection under isothermal and cyclic heating conditions” (ATSC 237) Accepted” for presentation at the 6th Asian Thermal Spray Conference (ATSC-2014) to be held during 24-26th November, 2014 in Hyderabad, India
31.	Rajesh P Verma, K. N. Pandey, Nitin Kumar and SaimSaleem, Experimental study and modeling of gas metal arc welding process to produce 6061-T6 aluminium alloy butt joint, Proceeding Fifth International Congress on Computational Mechanics and Simulation, Chennai, December 2014.
32.	Saurabh Kumar Gupta, K. N. Pandey, Rajneesh Kumar “Optimization of Friction Stir Welding Process Parameters using Hybrid Approach for Joining of Dissimilar Aluminium Alloys” International Conference on Advances in Materials, Manufacturing and Application (AmmA 2015), 09-11 April 2015, organized by National Institute of Technology Trichy, India pp. 749-754. ISBN No: 978-93-84743-68-0
33.	Saurabh Kumar Gupta, K. N. Pandey, Rajneesh Kumar “Comparison of ANN and Regression Modeling for Predicting the Responses of Friction Stir Welded Dissimilar AA5083-AA6063 Aluminum Alloys Joint” International Conference on Mechanical and Manufacturing Engineering (ICMME 2015), 02-03 April 2015, organized by SCSV Mahavidyalaya Kanchipuram, Tamil Nadu, India. Paper ID- ICMME-213.
34.	Saurabh Kumar Gupta, K. N. Pandey, Rajneesh Kumar “Effect of Process Parameters on Mechanical Properties and Temperature Profile of Friction Stir Welding of Dissimilar AA5083 and AA6063 Aluminum Alloys” International Conference on Mechanical and Manufacturing Engineering (ICMME 2015), 02-03 April 2015, organized by SCSV Mahavidyalaya Kanchipuram, India. Paper ID- ICMME-210
35.	Saurabh Kumar Gupta, K. N. Pandey, Rajneesh Kumar “Artificial Neural Network Modeling for Predicting the Tensile Strength, Microhardness and Grain Size of Friction Stir Welded Dissimilar AA5083-AA6063 Aluminum Alloys Joints” All India Seminar on Status of Welding in Research and Advancement in Analysis of Welded Structure, 20-21 February 2015, organized by Graphic Era University Dehradun, India

36.	Saurabh Kumar Gupta, K. N. Pandey, Rajneesh Kumar “Artificial Neural Network Application for Predicting the Tensile Strength and Grain Size of Friction Stir Welded Dissimilar AA5083-AA6063 Aluminum Alloys Joints” Nation Welding Seminar (NWS 2014-15), 21-22 January 2015, organized by The Indian Institute of Welding and Tata Steel Limited Jamshedpur, India.
37.	Rajesh P Verma, K. N. Pandey, Nitin Kumar And Saim Saleem, “Experimental study and modeling of gas metal arc welding process to produce 6061-T6 aluminum alloy butt joint”, 5 th International Congress on Computational Mechanics and Simulation, Chennai, 2014 doi: 10.3850/978-981-09-1139-3_033, ISBN: 978-981-09-1139-3
38.	K N Pandey and Saurabh Kumar Gupta, “Study of Effect of R-ratio and overload on fatigue crack growth using Artificial Neural Network” in “International Conference on Mechanical, System and Control Engineering (ICMSC 2017)” held at St.Petersburg, Russia from 19.5.2017 to 21.5.2017.[IEEE explore ISBN: 978-1-5090-6529-5]
39.	K.N.Pandey and Yogesh R Gaddekar, "Estimation of life of turbine blade considering the effect of creep" authored by “2nd International Conference & Exhibition on Fatigue, Durability and Fracture Mechanics (Fatigue Durability India 2016)” held from 28.9.2016 to 30.9.2016; J N Tata Auditorium, Indian Institute of Science Bangalore.
40.	Arunesh Kumar Srivastava and K N pandey, “Evaluation of Tensile Properties of Dyneema Filament” Proceedings of the 4th International Conference on Science, Technology and Management (ICSTM-2017) organized by Institution of Electronics and Telecommunication Engineers, 62 Indiranagar, Erandwane, Pune, Maharashtra, India on 12th November 2017
41.	K.N. Pandey and Prasant Gautam, “Effect of Deep Cryogenic Treatment on Wear Properties of Bearing Material AISI 440C”, Proceedings of the 6th International Conference on Product Life Cycle, Modelling, Simulation and Synthesis (PLMSS), pp.439-444, Defence Institute of Advance Technology, Pune, 13-15 December 2017.
42.	Surjeet Kumar and K.N.Pandey, “Study of effect of coating thickness on erosion behavior of thermal barrier coatings (TBCs) deposited on AA2024 -T4 by sol-gel method”, Proceeding of the 1st International Conference on Mechanical Engineering (INCOM2018), January 04-06, 2018
43.	Sulabh Srivastava and K.N.Pandey, “Effect of Coating Thickness of Sol-gel based Thermal Barrier Coatings on Thermal Shock Loading”, Proceeding of the 1st International Conference on Mechanical Engineering (INCOM2018), January 04-06, 2018.
44.	Ganesh, Devendra Pratap Singh and K N Pandey, “Analysis of Gas Turbine Blade Stresses under Realistic Operating Condition” Proceedings of the NFEST 2019 held at National Institute of Technology Kurukshetra.
45.	K.N. Pandey and Ketan Gupta, “Effect of Shallow and Deep Cryogenic Treatment on Tribological Properties of Monel K-500”, Proceedings of the 36 th Danubia-Adria Symposium on Advances in Experimental Mechanics, 24–27 September 2019, Plzeň, Czech Republic
46.	Ganesh and K N Pandey, "Thermo mechanical analysis of the Gas Turbine Blade”, Proceedings of the 7th International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering organised by Indian Institute of Technology Ropar during December 05-07, 2019
47.	Ajmit Kumar, Sanket Kumar and KN Pandey, “Life Prediction of Thermal Barrier Coated C3X Gas Turbine Blade of CMSX-4 Material” Proceeding of the Virtual ASME Gas Turbine Conference 2021 held during December 2-3, 2021.

48.	Ajmit Kumar, Sanket Kumar and K N Pandey, Life Prediction of C3X Gas Turbine blade of CMSX-4 Material, Proceeding of the First international conference on "Technological Innovations in Mechanical Engineering (TIME-2021)" held virtually on April 16 & 17, 2021 in Sharda University, Greater Noida, Uttar Pradesh, India.
49.	Sanket Kumar, Ajmit Kumar and K N Pandey, "CFD analysis of thermal barrier coated C3X gas turbine blade of CMSX-4 material", Proceeding First international conference on "Technological Innovations in Mechanical Engineering (TIME-2021)" held virtually on April 16 & 17, 2021 in Sharda University, Greater Noida, Uttar Pradesh, India.
50.	Reetesh Kumar Shukla and K. N. Pandey, "EMI based Fatigue life assessment of friction stir welded AA5083-O and AA6063-T6 aluminium alloy" Second International Conference on Future Technologies 2021 (ICoFT 2021) in Manufacturing, Automation, Design, and Energy, held from December 16 – 18, 2021 at NIT Puducherry
51.	Arunesh Kumar Srivastava and K.N.Pandey, "Optimization of Processing Parameter for Optimal Performance of Dyneema HB - 50 Composite", Second International Conference on Future Technologies 2021 (ICoFT 2021) in Manufacturing, Automation, Design, and Energy, held from December 16 – 18, 2021 at NIT Puducherry
52.	Reetesh Kumar Shukla, Gurkirat Singh and K N Pandey, "'Application of EMI Technique in Crack Propagation under the Block Loading Conditions", 20th ISME Conference on Advances in Mechanical Engineering, organized during May 19-21, 2022 by the Department of Mechanical Engineering, Indian Institute of Technology Ropar, India,
53.	Reetesh Kumar Shukla, Ravi Ranjan and K N Pandey, "Application of EMI Technique in Crack Propagation under the overload Conditions" accepted for presentation in 3rd Biennial International Conference on Future Learning Aspects of Mechanical Engineering (FLAME - 2022) held during 3rd – 5th August 2022, by Department of Mechanical Engineering, Amity School of Engineering & Technology, Amity University Uttar Pradesh, Noida
54.	K N Pandey and Gurkirat Singh, "Application of EMI technique in crack propagation under the block loading conditions for AA6061 Aluminium alloy" 7th International Conference on Structural Integrity and Durability (ICSID 2023) held at Dubrovnik Croatia from 19 to 22 September 2023.
55.	Gurkirat Singh and K N Pandey, "Effect of Deep Cryogenic Treatment with Post Tempering on Hardness of Nimonic-90", presented in 2nd International Conference on Mechanical Engineering Organised by Department of Mechanical Engineering, Jadavpur University, Kolkata, India from January 5-6, 2024
(d) National Conference	
1.	Pandey KN and Chand Satish, " Determination of Stress Strain field around a Crack tip under plane Stress/Plane Strain conditions" Proceeding National Conf. on Recent Advances in Design Engineering (RADE-2007) held at Department of Mechanical and Manufacturing Engineering, Manipal Institute of Technology, Manipal, during Feb 22-24 2007, FME-03, pp.329-342.
2.	Dhruv Kumar and Pandey K N, "Design and Development of a new garbage collector using Quality Function Deployment", National Seminar on Environment Protection through Organic Farming and Waste Management, 14-15.2.2009, The Institution of Engineers. (INDIA), Allahabad Local Centre.

3.	Harsh Gupta, Saurabh K Gupta and K.N.Pandey, “Ranking customer requirement and technical measures by Fuzzy based Quality Function Deployment with an illustrated example”, National Conference AMEET-2012 to be held on 07-08 April’2012 at Kamla Nehru Institute of Technology, Sultanpur (U.P.).
4.	Satyendra Kumar Mishra, K.N.Pandey, “Inverse determination of heat source during the friction stir welding process of two dissimilar aluminium plates”, Accepted for presentation in National Conference on Product Design and Manufacturing to be held at MNNIT Allahabad from November 21-22, 2015.
5.	Raghvendra Kumar Bais, K.N.Pandey, “Fatigue life estimation of gas turbine blade”, Accepted for presentation in National Conference on Product Design and Manufacturing to be held at MNNIT Allahabad from November 21-22, 2015.
6.	Saurabh Kumar Gupta, K. N. Pandey, Rajneesh Kumar “Numerical Simulation of Temperature Distributions in Friction Stir Welding of Dissimilar Aluminum Alloys” Indian Railways National Welding Seminar, 2016, pp 45-54.
7.	Saurabh Kumar Gupta, K. N. Pandey, Rajneesh Kumar “Artificial Neural Network Application for Predicting the Tensile Strength and Grain Size of Friction Stir Welded Dissimilar AA5083, Journal of Advanced Research in Mechanical Engineering and Technology, Vol.1 (1), 11-17, 2015.

(e) Book Chapter

1.	Dwivedi V.K., Chand S., Pandey K.N. (2015) Effect of the groove dimensions and orientation on the static and dynamic performance of non recessed hybrid journal bearing. In: Selvaraj H., Zydek D., Chmaj G. (eds) Progress in Systems Engineering. Advances in Intelligent Systems and Computing, vol 366. Springer, Cham; Springer International Publishing Switzerland 2015 .Part of the Advances in Intelligent Systems and Computing book series (AISC, volume 366)
2.	V.K. Dwivedi, Satish Chand, and K.N. Pandey, “Selection of Fluid Film Journal Bearing: A Fuzzy Approach” D.C. Wyld et al. (Eds.): Advances in Computer Science, Engineering and Applications, AISC 166, pp. 311–320. springerlink.com © Springer-Verlag Berlin Heidelberg 2012
3.	Rajesh Pd Verma and K.N.Pandey, “Study of fatigue crack growth rate of AA 6061 at different stress ratio”, Lecture Notes in Mechanical Engineering, Springer 2018 , Print ISBN: 978-981-10-6001-4. Scopus
4.	Shukla, R.K., Pandey, K.N. (2023). EMI-Based Fatigue Life Assessment of Friction Stir Welded AA5083-O and AA6063-T6 Aluminum Alloy. In: Sivaram, N.M., Sankaranarayananasamy, K., Davim, J.P. (eds) Advances in Manufacturing, Automation, Design and Energy Technologies. ICoFT 2020 . Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-99-1288-9_59
5.	Srivastava, A.K., Pandey, K.N. (2023). Optimization of Processing Parameter for Optimal Performance of Dyneema HB50 Composite. In: Sivaram, N.M., Sankaranarayananasamy, K., Davim, J.P. (eds) Advances in Manufacturing, Automation, Design and Energy Technologies. ICoFT 2020 . Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-99-1288-9_62

6.	Singh, G., Pandey, K.N. (2025). Effect of Deep Cryogenic Treatment with Post-tempering on Hardness of Nimonic-90 Alloy. In: Sahoo, P., Barman, T.K. (eds) Advances in Materials, Manufacturing and Design. INCOM 2024. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-97-6667-3_17
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