

PERMANENT ADDRESS:

Dr. Gajanan M Naik
S/o. Manjunath R Naik
Konalli Po, Kumta Tq.
Karwar Dist. 581323



CURRENT ADDRESS:

Dr. Gajanan M Naik
Assistant Professor
Dept. of Mechanical Engg.

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CAREER OBJECTIVE

To work in a challenging environment demanding all my skills and efforts to explore and adapt myself in different fields and realize my potential where I get the opportunity for continuous learning.

QUALIFICATION

DEGREE	YEAR	INSTITUTE	DISCIPLINE	AGGREGATE
PG Certificate Program in Machine Learning (PGCPML)	2024	Indian Institute of Science (IISc) Bengaluru (AICTE QIP PG CERTIFICATE PROGRAM)	Machine Learning (ML)	--
Ph.D.	16-06-2020	National Institute of Technology Karnataka (NITK) Surathkal	Mechanical Engineering(ME)	77.3% [8.23points] [FCD]
M. Tech.	2016	National Institute of Technology Karnataka (NITK) Surathkal	Manufacturing Engineering(MF)	73.33% [7.83points] [FCD]
PGDBA	2013	Sikkim Manipal University Directorate of Distance Education	Business Administration	Grade-C
B.E	2011	Moodlakatte Institute of Technology Kundapur , Udupi, VTU- Belagavi	Mechanical Engineering	70.92% [FCD]
2 nd PUC	2007	Govt PU College Nallikeri Kumta Karnataka State Board	PCMB	64.83% [FC]
10 th Standard	2005	Guruprasada High school, Mallapura Karnataka State Board	--	66.24% [FC]

PROFESSIONAL EXPERIENCE:

ACADEMICS	RESEARCH	TOTAL (Years)
9.5	2.5	12

ORGANIZATION/INSTITUTE	DESIGNATION	DURATION
RV Institute of Technology and Management (RVITM), JP Nagar, Bengaluru.	Assistant Professor	01-Oct 2021 to Till Date
Mangalore Institute of Technology and Engineering (MITE), Moodbidri	Assistant Professor	15 July 2019 To 30 Sep 2021
National Institute of Technology Karnataka (NITK) Surathkal	Senior Research Fellow (SRF)	22 November 2018 To 30 April 2019
National Institute of Technology Karnataka (NITK) Surathkal	Junior Research Fellow (JRF)	15-November 2016 To 21 November-2018
Srinivas School of Engineering, Mukka	Assistant Professor	August 2016-November 2016
Prasanna College of Engineering and Technology, Belthangady (PCET)	Lecturer	13-April 2012 To 11-June 2014
Kamath Institute of Technology, Kundapur (KIT Polytechnic)	Lecturer	01-July 2011 To 12-April 2012

AREA OF INTEREST

- Application of Machine Learning in Mechanical Systems
- Biodegradable Materials: Magnesium Alloys
- Additive Manufacturing (3D Printing)
- Lightweight Materials: Magnesium, Aluminium, Titanium, and Superalloys
- Magnesium-Based Batteries
- Severe Plastic Deformation Techniques: Equal Channel Angular Pressing (ECAP)
- Corrosion and Stress Corrosion Cracking
- Solid Waste Management and E-Waste Recycling
- Machining and Advanced Manufacturing Technologies: Wire EDM and Wire-ED Turning
- Internet of Things (IoT) in Engineering Applications
- Microwave Welding and Joining Techniques

ACHIEVEMENTS:

- **IBR ACHIEVER- INDIA BOOK OF RECORDS 2026:** Dr. Gajanan M. Naik (born on March 7, 1989) of Uttara Kannada, Karnataka, is titled as 'IBR Achiever' for authoring 61 articles on Engineering topics, under the aegis of R.V. Institute of Technology and Management, published by H.B.R.P. Publication, from September 2025 to January 2026, as confirmed on January 28, 2026.
- **Received Achievers award 2025** by Rashtreeya Shikshana Samithi Trust (RSST) on 26-Jan-2026
- **Received Achievers award 2024** by Rashtreeya Shikshana Samithi Trust (RSST) on 26-Jan-2025

- **Received Achievers award 2023** by Rashtreeya Shikshana Samithi Trust (RSST) on 26-Jan-2024
- **Received Achievers award 2022** by Rashtreeya Shikshana Samithi Trust (RSST) on 26-Jan-2023
- **Received Best Paper Award** by RVITM Bengaluru, National Conference on Digital Technology & Engineering on 28th & 29th April 2023, for paper titled Optimization of Wire Electric Discharge Turning parameters using ANOM,
- **Received Best Paper Award** by TORO 2022 at DSCE-Bengaluru, 3rd to 5th of June 2022 for Paper Titled “Microstructure and Corrosion behavior of AZ80 Mg alloy after the combined processes of ECAP and Hot rolling”.
- **Received Best Paper Award** by DBIT-Bengaluru, National Level Technical Symposium-AARAMBH 2022. 25th and 26th of May 2022 for paper titled “TiO₂ Reinforced ZA22 MMCs for Space Applications”
- **Received Best Paper Award** by ICDMC 2019, Vel. Tech. Rangarajan Dr Sagunthala R&D Institute of Science and Technology, Chennai, Tamil Nadu, 28-29th March 2019 for paper titled “The Role of Processing Temperature in Equal Channel Angular Extrusion: Microstructure Mechanical properties and Corrosion resistance”.
- **Received participation certificate** by “**Dr. K V Rao Research Awards**”-2019 in Chemistry for paper entitled “A novel approach to improve the corrosion resistance of AZ80 Mg alloy through ECAP”.
- **Received Best Poster Award** by IcONMAT-2019, Cochin University of Science and Technology, Kochi, Kerala. 2nd -5th January-2019 for paper titled “Influence of ECAP Processing Routes on Microstructure Mechanical Properties and Corrosion Behavior of AZ80 Mg alloy”.
- **Received Best Paper Award** by CDAMIES2018, NIT-Tiruchirappalli, Tamilnadu during 18-20 January 2018 for paper titled “Modeling of ECAP Process to Study the Effect of Die Parameters and Friction Coefficient on Equivalent Plastic Strain”.
- **Received ownership** for “**Flipping type ECAP die**” from the Government of India. **Reg. No: L-79923/2018.**

SUBJECTS HANDALED:

- UG:**
1. Computer Aided Engineering Drawing
 2. Material Science and metallurgy and Mechatronics
 3. Fluid Mechanics and Finite Element Methods/Analysis
 4. Mechanics of Materials and Total Quality Management
 5. Smart Materials and MEMS and Green Manufacturing
 6. Metal Forming and CAMD
 7. DME-I and DME-II, MCFJ, MSJF and Control Engg.
 8. Introduction to python programming (IPP).
 9. Biology for Engineers
 10. Research Methodology and IPR

- Polytechnic:**
1. Thermal Engineering-I and II
 2. Measurements and Metrology and M/S & MAT LAB
 3. Non-Conventional Energy Resource and Pro-E & TE LAB

PERSONAL PROFILE:

Name : Gajanan M Naik
Date of Birth : 07/03/1989
Sex : Male
Caste & category : Hindu Namadhari (CAT-2A)
Marital status : Married
Nationality : Indian
Mother Tongue : Kannada
Hobbies : Listening Music, Reading books, Yakshagana, Violin
Coin collection, Handicraft, Drawing.
Languages Conversant : Kannada, English, Hindi, Sanskrit.

PERSONAL SKILLS:

- Excellent Academic and Research skills
- Ability to perform under stress.
- Good communication skill.
- Punctual, Hard Working and much eager to learn new things & implementing it.
- Can work in team as well as an individual.

COMPUTER SKILLS:

Basic Python Programming	Auto-CAD	Solid Edge
SAP-MM,	Microsoft Dynamics D365	Pro-E
ANSYS & CNC Program	MAT Lab Program	Basic C-Programming
MS-Office	Latex	MINITAB

LIFE-MEMBERSHIPS

Member – **IAENG** (International Association of Engineers) - 164257
Member – **MISTE** (Member of Indian Society of Tech. Education) – LM-131653

PROJECTS GUIDED

DEGREE	COMPLETED + UNDER PROGRESS	TOTAL
Diploma	01	01
B.E	15+02	17
M. Tech.	01	01

ACADEMIC ACTIVITIES:

- Handled responsibilities as Time table coordinator, Internal Assessment Coordinator in the department level, 2012-2014.
- Laboratory In charge : Machine shop. 2021-2024
- Coordinator : Examination, 2012-2014
- GCASSTE2020 : Publication coordinator in the department level. 2020
- NAAC-C3-Coordinator Department Level. 2019
- Department Coordinator: National Conference on Digital Technology & Engineering on 28th & 29th April 2023, RVITM-Bengaluru.
- Department Coordinator –Cultural. (2022-Till Date)
- Department Coordinator/member –IQAC. (2023-Till Date)
- Department Placement Coordinator (2022 –Till Date)

REFERENCES

Dr. Narendranath S	Dr. Satheesh Kumar S S	Dr. Ramesh M R
Professor,	Scientist	Assistant Professor
Dept. of Mech. Engg.	DMRL, DRDO, Hyderabad	Dept. of Mech. Engg.
NITK-Surathkal-575025.	Kanchanabagh- 500058	NITK-Surathkal-575025.
Mob: +91 9448793833	Mob: +91 9440191576	Mob: +91 9480540801
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Ph.D. Thesis:

Title: Effect of Equal Channel Angular Extrusion on Microstructure Mechanical Properties and Corrosion Behavior of Wrought AZ Magnesium Alloys.

(NRB funded project- NRB/4003/PG/366-2015)

Supervisor: Dr. Narendranath S, Professor, Dept. of Mech., Engg. NITK-Surathkal.

Magnesium alloys are extremely good choice for engineering applications because of its light weight, high damping capacity and dimensional stability properties which are critical design parameters for machine essentials. Poor strength and low ductility of Mg alloys have been attributed. An effort to overcome these limitations through ECAP techniques was employed to obtain ultra-fine grain (UFG) structure leading to the strengthening of Mg alloys and nevertheless strength and sustainability of materials under different environmental conditions are also an important aspect. Hence, it is necessary to investigate the corrosion behavior of the equal channel angular pressed magnesium alloys. The present project investigates the grain refinement through equal channel angular press/extrusion and corrosion behavior of ECAPed sample before and after coating. Also, characterizations of the tested samples have studied through an optical microscope, scanning electron microscopy and XRD, EBSD and so on.

M.Tech. Thesis:

Title: Development of Wire Electric Discharge Turning process using Wire-EDM and parametric optimization of process parameters for INCONEL 718.

(DST funded project- SERB-SB/S3/MMER/0067/2013)

Supervisor: Dr. Narendranath S, Professor, Dept. of Mech., Engg. NITK-Surathkal.

The objective of this work was to develop Wire ED Turning by using Wire ED machine and to investigate the effects of Machining Parameters on MRR and surface roughness in Wire EDT process. In this process INCONEL 718 Nickel based Super alloy was chosen for the experiments because of its growing application in the field of aerospace, chemical, Nuclear power plant and gas turbine engine parts. The optimization of Wire-ED Turning parameters such as Rotational speed, pulse on time, pulse off time, servo voltage, wire feed rate, flushing pressure have been analyzed on MRR, Surface roughness by using L18 mixed type Taguchi's Orthogonal Array experiments, ANOVA, Grey Relation Analysis and by analysis of mean (ANOM). In order to study surface integrity, SEM and Micro-hardness testes were carried out in different machining parameters and also a mathematical model is developed by using Buckingham's pi theorem to analyze crater diameter on component after machining.

COURSES COMPLETED: 05

- Dr. Gajanan M Naik has successfully completed the NPTEL Online Certification course on “Teaching and Learning in General Programs (TALG)” conducted by the Indian Institute of Science (IISc), Bangalore, during July–August 2025.
- Completed 2-Week Patent Course, Turnip Innovations, 2024.
- Completed online course on python mega course: Learn Python in 60 Days, Build 20 Apps. 2023.
- Completed online course on Python Fundamentals for Beginners- Great Learning Academy, 2023.
- Completed Udemy online course titled "Python for beginners".2023

FDP ATTENDED: 25

- Dr. Gajanan M. Naik has participated in a Five-Day Faculty Development Programme (FDP) on “Interdisciplinary Manufacturing Process Advances and Characterization Techniques” organized by the Department of Mechanical Engineering, Jain College of Engineering and Research, Udyambag, Belagavi, from 22nd July to 26th July, 2025
- Dr. Gajanan M. Naik has successfully completed the NPTEL-AICTE Faculty Development Programme on “Teaching and Learning in General Programs: TALG” conducted by NPTEL, IIT Madras, and funded by the Ministry of Education, Government of India.
- Dr. Gajanan M. Naik participated in the SERB-sponsored National Level Two-Day Faculty Development Programme (FDP)/Workshop on “Emerging Trends in Mechanical Engineering: Bridging the Gap with Interdisciplinary Technologies” organized by the Department of Mechanical Engineering, RV Institute of Technology and Management (RVITM), Bengaluru.
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "3D Printing & Design " from 06/12/2021 to 10/12/2021 at National Institute of Technology Warangal.
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Application of Novel Materials in Biomedical (ANMB)-2021" from 23/11/2021 to 27/11/2021 at National Institute of Technology Patna.
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "3D Printing & Design" from 08/11/2021 to 12/11/2021 at University college of engineering, Osmania University. participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "3D Printing & Design" from 08/11/2021 to 12/11/2021 at University college of engineering, osmania university.
- Participated & successfully completed five days faculty development program on Robotics and Mechatronics in Manufacturing (RAMM-21) from 15/11/2021 to 19/11/2021 at swami Keshvanand Institute of Technology Management & Gramothan, Jaipur, Rajasthan.

WORKSHOPS ATTENDED: 20

- “Recent Trends”, Mechanical Engineering Department, PCET-Belthangady, 07-10- 2014.
- "National symposium on Microsystems Technologies”, Mechanical Engineering Department, NITK Surathkal, 09-01- 2015.
- “Hybrid composites: Manufacturing Mechanics and Materials” held at NITK, Surathkal during 18-12 Dec 2016.
- “Laser processing of materials” held at NITK, Surathkal during 09-11 March 2017.
- Frontiers in Mechanical Engineering (NSoFIME-2018) held at NITK-Surathkal on 22-06-2018.
- “How to write Scientific Paper” organized by department of Mechanical Engineering, Shri Madhwa Vadiraja Institute of Technology and Management Bantakal Udupi on Friday, 29 May 2020.
- Two Days Online Workshop on 3D Printing – A Manufacturing Revolution organised by School of Mechanical Engineering held on 18th & 19th May 2020 at Jain (Deemed-to-be) University, Bengaluru.
- "NAAC Awareness Programme for Faculty" organized by Marathwada Mitra Mandal Institute of Technology (MMIT), Lohgaon, Pune - 47 conducted online during the period 08/05/2020 to 14/05/2020.
- Step into Robotic Process Automation during GUVI’s RPA SKILL-A-THON 2020.
- 3-Day Online FDP on Advances in Machining Process, organized by Dept. of Mechanical Engg. PES Institute of Technology and Management, Shivamogga, held on 17-19 June 2020.
- National Level AICTE Sponsored Five Days Virtual Short Term Training Programme (STTP) on Industrial Internet of Things (IIoT) – 12th to 16th August 2020.
- Two-Day Workshop on Excellence in Technical Training: Lessons from Industry organized by Centre for Educational Excellence and Development (CEED) at Karnataka Engineers Academy(KEA) Bengaluru on 6th and 7th Feb 2025.
- Two-Day Workshop on Outcome Based Education (OBE) organized by RV Institute of Technology and Management (RVITM), Bengaluru on 29th and 30th March 2025.

STUDENT PROJECTS:

- AI Driven Sign Recognition for Inclusive Communication.
- Fire and Smoke Monitoring System.
- Solar-powered farm vehicle for agricultural transport.
- Development of Plasma electrolytic oxidation (PEO) coating setup.
- Design and fabrication of RCS die.
- Fabrication of EDM, ECDM, AJM setups.
- Design and fabrication of Go-kart.
- Design and fabrication of wall climbing robot.
- Optimization of process parameters on MRR and SR of CNC turning.
- Development of microwave welding setup using domestic micro oven.

SDP, WORKSHOP or other PROGRAMS ORGANIZED

- Organized a three-month software training program for students in collaboration with industry at RVITM-Bengaluru.
Industry: Beta CAE Pvt Ltd. Bengaluru.
Software: ANSA-Automatic net generation for structural analysis.
- Organized Technical Quiz on Living Machines - Bridging Biology and Engineering, with National Digital Library of India Club (NDLI), 15th May 2025.
- Organized One day workshop on “3D Printing Design and Development of Model using Fused Deposition Modelling (FDM)”

TECHNICAL TALK DELIVERED

- Dr. Gajanan M Naik, delivered a technical talk and hands-on session on “3D Printing” during the prerequisite Training Programme for the Interdisciplinary Project Work (1BPRJ258) course of Visvesvaraya Technological University, Belagavi, as per the 2025 scheme, on March 9, 2026 at RV Institute of Technology and Management (RVITM), Bengaluru.
- Gajanan M Naik. Presented an idea titled “Smoke Detection System” at AIKYAM 2026 – National Level IPR Conclave, held on 16th April 2026 at RV Institute of Technology and Management (RVITM), Bengaluru.

PROGRAMS ORGANIZED FOR FACULTIES –Team building

- A Secret Santa event was successfully organized.
- RVITM Premier League (RPL)-Cricket Match.

OTHER ACTIVITIES

- Member conference procedure committees 2020 International Conference on New Energy and Sustainable Development (NESD2020), 21-23/08/2020, Changchun, China.

JOURNAL EDITORIAL BOARD-MEMBER

- **HBRP-Publication:** <http://www.hbrppublication.com/>
- **Scienxt Journal of Mechanical Engineering (SJoME)**
Link: <http://scienxt.com/scienxt-journal-of-mechanical-engineeringsjome-2/>

REFEREE/REVIEWER:

National/International Journals:

- Material Research Express-SCI-Institute of Physics.
- International Journal of Pressure Vessels and Piping-SCI-Elsevier.
- International journal of ambient energy-SCI-Taylor & Francis.
- Journal of alloys and compounds- SCI-Elsevier.
- Journal of Magnesium and alloys- SCI-Elsevier
- Silicon-SCI-Springer.

National/International Conferences:

- Materials Conference: PCM2019- BANGKOK
- International Conference on Metals and Alloys (CMA 2019)-Beijing, China

TEACHING PLAN:

- Model based teaching and learning.
- Video/animation based teaching and learning.
- Research based teaching and learning.
- Brain storming, Student Centric Activities and Peer Learning.

RESEARCH PLAN

Current Research Activities:

- Hybrid Ensemble Learning with Uncertainty Quantification for Multi-objective EDM Parameter Optimization.
- Integrating Experimental and Machine Learning Approaches for Predicting Surface Integrity in Cryogenic Burnishing.
- Multi-Model Machine Learning Analysis of Surface Roughness in CNC Turning of AISI H13 Steel.
- Multi-Criteria Decision Making in Electro-Chemical Discharge Machining Using GRA.TOPSIS, WASPAS Methods and Machine Learning.
- Prediction and Optimization of Surface Roughness in Electrical Discharge Machining Using Machine Learning Techniques.
- Machine Learning-Based Predictive Modelling of Surface Roughness and Overcut in Electro Chemical Discharge Machining
- Application of Machine Learning for Accurate Kerf Width Prediction in Plasma Arc Machining.
- AI-Driven Prediction and Optimization of Surface Roughness and Residual Stresses in Turning of 42CrMo4 + QT Steel.
- AI Driven Sign Recognition for Inclusive Communication.
- Working on biodegradable implants for biomedical application.
- Investigating impact of RCS on microstructure, mechanical and corrosion properties.
- Working on Wire-EDM parameters for MRR and SR in the machining of Monel alloy.

Future Research Activities:

- Development of robot assisted Automated Continuous Equal channel Angular Extrusion Process for producing Nanostructured Novel Lightweight High-Entropy.
- Development of a Multi-Functional Exoskeleton.
- Magnesium Alloys.Planned to work on "advanced machining": micro-hole and channel generation.

- Strengthening of Aluminum Alloys by Severe Plastic Deformation (ECAP) for Spacecraft applications
- "Micro Wave welding of super alloys".
- Planned to work on hybrid severe plastic deformation techniques.

RESEARCH PUBLICATIONS:-30 (Refereed Journal)

Accepted/Published Papers				
Sl. No	Authors	Title of the paper	Name of the Journal, Vol., No., Pages	Year
1	Gajanan. M. Naik , S. Kumar B. M., M. M. Shivakumar, S. Ramesh, M. P. B. H. Maruthi, and G. Anne,	Impact of Grain Reduction on the Behavior of AZ91 Magnesium Alloys during Wear and Corrosion,”	<i>Iranian Journal of Materials Science and Engineering</i> , vol. 22, no. 3, pp. 60–71, Sep. 2025 [Scopus, SCIE]	2025
2	Gajanan M. Naik , Ramesh, S., Shreyas, G., Samal, P., Raj, D. L., Anne, G., & Sharma, P.	Corrosion Study on AZ80/91 Mg-Alloys Processed at Different Temperatures during the ECAE process.	International Journal of Vehicle Structures & Systems, 17(3), 483-487 (2025).	2025
3	Gajanan M. Naik , Priyaranjan Sharma, Mukesh Tak, Priyaranjan Samal, Nidhin Raj A, and Gajanan Anne.	"Effect of die parameters and coefficient of friction on equivalent plastic strain during ECAE: modeling and optimization."	Cogent Engineering 11, no. 1 (2024): 2399735. [Scopus, SCIE]	2024
4	BH, Maruthi Prashanth, Ramesh S, P. S. Shivakumar Gouda, Gajanan M. Naik , Priyaranjan Sharma, C. Jagadeesh, Mahantesh M. Math, and Gajanan Anne.	"Impact of ply stacking sequence on the mechanical response of Hybrid Jute-Banana fiber phenoplast composites."	Materials Research Express (2024). 11(5), 055301. [Scopus, SCIE]	2024
5	Aditya Kudva, Gajanan Anne, Ramesh S, Priyaranjan Sharma, Jagadeesh, Lingaraj Ritti 1, Gajanan Naik , G Divya Deepak	Enhancing surface characteristics of Mg-Zn-Sr alloy through cryo-ball burnishing; modeling and experimentation	Journal of Mechanical Science and Technology, 38(3), pp.1175-1185. [Scopus, SCIE]	2024
6	Naik, Gajanan M. , Priyaranjan Sharma, Gajanan Anne, Raj Kumar Pittala, Rahul Kumar, Gnane	"Improvement in Corrosion Performance of ECAPed AZ80/91 Mg Alloys Using SS316 HVOF Coating."	Materials 16 (20),6651 [Scopus, SCIE]	2023

	Swarnadh Satapathi, Ch Sateesh Kumar, and Filipe Fernandes			
7	Kumar, Mohan, Vighnesh Nayak Ullal, Neelakantha V. Londe, Kaushik Shetty, and Gajanan M. Naik.	Study on Corrosion Behaviour of Dip Coating of Zinc on Mild Steel	Journal of Mines, Metals & Fuels 71, no. 7 (2023). [Scopus]	2023
8	Prithivirajan, S., Gajanan M. Naik, S. Narendranath, and Vijay Desai	Recent progress in equal channel angular pressing of magnesium alloys starting from Segal's idea to advancements till date—A review	International Journal of Lightweight Materials and Manufacture (2022). [Scopus, SCIE]	2022
9	Mohanraj, G. T., Sharnappa Joladarashi, Harish Hanumanthappa, Bharath Kumar Shanmugam, Harsha Vardhan, Gajanan M. Naik, P. Devadas Bhat, and M. R. Rahman.	Numerical approach for optimization of magnetic roller and evaluating the performance of permanent magnet roller separator through design of experiment."	Alexandria Engineering Journal 61, no. 12 (2022): 13011-13033. [Scopus, SCIE]	2022
10	Ramesh S, H. Shivananda Nayaka, Gajanan Anne, Arun M N, Gajanan M Naik	Investigation of Tribological Characteristics of Cu-Ti Alloys Processed by Multi-Axial Cryo-Forging	Metallography, Microstructure, and Analysis 11(3), 537-546. [Scopus]	2022
11	Gajanan Manjunath Naik , Sachin Bandadka , Anjan Balija Narasimhamurthy ,Gajanan Anne, Ramesh Sampath	Effect of Die Parameters and Coefficient of Friction on Equivalent Plastic Strain During ECAP: Modeling and Optimization	Material International (Accepted for Publication).	2022
12	Ramesh Sampath, Gajanan Anne, Gajanan Manjunath Naik, Shamanth Vasanth Madhu Sudana Reddy,	Fabrication of Mg-Zn/Al and Mg-Zn/Anodized Al Multilayered Composites by Accumulative Roll Bonding, Investigation of Corrosion Behavior	Material International, Volume 4, Issue 1, 2022 10.33263/Materials 41.003	2022
13	S Prithivirajan, Mayur Babu Nyahale, Gajanan M Naik, S Narendranath, Ashwini Prabhu, PD Rekha	Bio-corrosion impacts on mechanical integrity of ZM21 Mg for orthopaedic implant application processed by equal channel angular pressing	Journal of Materials Science: Materials in Medicine, 32(6), 1-13. [Scopus, SCIE]	2021
14	Badiger, Ravindra I., Ajit M. Hebbale, M. Manjaiah, and Gajanan	A Comparative Study on Characteristics of Inconel-625 Joints Developed through Microwave Hybrid	Transactions of the Indian Institute of Metals (2021): 1-10.	2021

	M. Naik	Heating and Tungsten Inert Gas Welding	[Scopus, SCIE]	
15	Sachin, B., Charitha M. Rao, Gajanan M. Naik , and N. P. Puneet	Influence of slide burnishing process on the surface characteristics of precipitation hardenable steel.	SN Applied Sciences 3, no. 2 (2021): 1-13. [Scopus]	2021
16	Hebbale, Ajit M., Ravindra I. Badiger, M. S. Srinath, and Gajanan M. Naik .	An Experimental Investigation of Microwave Developed Nickel-Based Clads for Slurry Erosion Wear Performance Using Taguchi Approach	Metallogr. Microstruct. Anal. (2020). https://doi.org/10.1007/s13632-020-00644-3 . [Scopus]	2020
17	Vinayak N Kulkarni, V N Gaitonde, K S Nalavade, Mrityunjay Doddamani and Gajanan M Naik	Optimization of wire EDM process parameters for medical grade nickel titanium shape memory alloy	Strojnícky časopis – Journal of MECHANICAL ENGINEERING, VOL 70 (2020), NO 1, 69 – 80 [Scopus]	2020
18	Gajanan M Naik , Sandeep Sahu, Narendranath S, S. S. Satheesh Kumar,	Effect of annealing and ageing treatment on pitting corrosion resistance of fine-grained Mg-8% Al-0.5% Zn alloy	Journal of The Minerals, Metals & Materials JOM (2019). https://doi.org/10.1007/s11837-019-03769-1 [Scopus, SCI, SCIE]	2019
19	Gajanan M Naik , Narendranath S, S. S. Satheesh Kumar	Effect of ECAP Die angles on Microstructure Mechanical properties and corrosion behaviour of AZ80 Mg alloy	Journal of Materials Engineering and Performance 28(5):1-10 [Scopus, SCIE]	2019
20	Gajanan M Naik , Anjan B Narendranath S, S. S. Satheesh Kumar, N, Preetham Kumar G V	Enhanced mechanical and corrosion properties due to grain refinement in an AZ80 Mg alloy after the combined processes of MDF and ECAP	Mater. Res. Express 6 (2019) 096538 https://doi.org/10.1088/2053-1591/ab2ddf [Scopus, SCIE]	2019
21	Gajanan M Naik , Narendranath S, S. S. Satheesh Kumar	Corrosion of ECAPed Magnesium alloys and its background: A Review	Journal of Metals Materials and Minerals Vol.29 No.2 pp.1-20, 2019, doi.10.14456/jmmm .2019.13 [Scopus]	2019
22	Gajanan M Naik , Gopal D Gote, Narendranath S, S. S. Satheesh Kumar	Effect of grain refinement on the performance of AZ80 Mg alloys during wear and corrosion	Advances in Materials Research, Vol. 7 No. 2 (2018) 105-118. DOI:	2019

			https://doi.org/10.12989/amr.2018.7.2.83-96 [Scopus, ESCI]	
23	Gajanan M Naik, Gopal D Gote, Narendranath S, S S Satheesh Kumar	The impact of homogenization treatment on Microstructure Microhardness and Corrosion behavior of wrought AZ80 magnesium alloys in 3.5wt.% NaCl solution	Mater. Res. Express 5 (2018) 086513. https://doi.org/10.1088/2053-1591/aad31f [Scopus, SCIE]	2018
24	Vishwas C J, Gajanan M Naik , Sachin B, Abhinaba Roy, Puneet N P ,Anjan B N and Vinayak N Kulkarni	Study on Surface Roughness in Minimum Quantity Lubrication Turning of Al-6082/SiC Metal Matrix Composites	Applied Mechanics and Materials (Vol. 895, pp. 127-133). Trans Tech Publications Ltd https://doi.org/10.4028/www.scientific.net/AMM.895.127	2018
25	Naik, G. M. , and Narendranath,S.	Optimization of Wire-ED Turning Process Parameters by Taguchi-Grey Relational Analysis.	i-manager's Journal on Mechanical Engineering, 8(2), 1-8. https://doi.org/10.26634/jme.8.2.14206	2017
26	Gajanan M Naik, Gopal D Gote, Narendranath S,	Magnesium alloys and its Applications: A Short Review	Journal of Global Engineering Problems & Solutions, vol. 2017.	2017
27	Abhishek Shetty, Akshar K, Prashanth B Y, Gajanan M Naik	Optimization of Machining Parameters on MRR for EN19 & EN31 steel using Taguchi Method	International Journal of Emerging Research in Management & Technology ISSN: 2278-9359, Volume-6, Issue-5, 2017.	2017
28	Gajanan M Naik, Narendranath S	A parametric optimization of Wire-ED Turning process parameters on Material Removal Rate of INCONEL 718	Journal of Mechanical Engineering and Biomechanics, Volume 2, Issue 2, Page 8-14, 2017, ISSN- 2456-19X, DOI:https://doi.org/10.24243/JMEB/ [ISI]	2017

29	Gajanan M Naik, Narendranath S	Effect of machining parameters in wire-electrical discharge turning process: a review	International Journal of Advanced and Innovative Research, 2278-7844, # 171, Volume 5 Issue 2, 2016.	2016
30	Gajanan M Naik, Narendranath S	Influence of process parameters on Material Removal Rate in wire electric discharge turning process of INCONEL 718	International Journals of Advance Research in Science and Engineering (IJARSE), ISSN: 2319-8354, Vol. No 5, (01)-2016	2016

PUBLICATIONS (CONFERENCE PROCEEDINGS): 16

Accepted/Published Papers					
Sl. No	Title of the paper	Authors	Name of the conference	Name of the Journal, Vol., No., Pages	Year
1	Structural Evaluation of Microwave Butt Welded MONEL 400 Sheets through Finite Element Analysis	Gajanan M Naik, Shanthala K, Sadashiv Bellubbi, Chirag L, Devendra Gowda, Suresh Poyil Subramanyam	International Symposium on “Recent Advances in Materials Joining & Manufacturing Processes” February 27–28, 2025	Materials Joining and Manufacturing Processes: MJMP 2025 Materials Research Forum LLC Materials Research Proceedings 55 (2025) 110-117 https://doi.org/10.21741/9781644903612-17 [Scopus]	2025
2	Joining of Aluminum tube -to-PVC Pipes through Electromagnetic Force	Shanthala K, Gajanan M Naik, Akshit Kochhar, Ramesh S, Sadashiv Bellubbi	International Symposium on “Recent Advances in Materials Joining & Manufacturing Processes” February 27–28, 2025	Materials Joining and Manufacturing Processes: MJMP 2025 Materials Research Forum LLC Materials Research Proceedings 55 (2025) 110-117 https://doi.org/10.21741/9781644903612-17	2025

				03612-17. [Scopus]	
3	Design and fabrication of regenerative braking system for electric vehicles	Akarsh Balram H, Eshaana S Udupa, Dr. Gajanan M Naik,	National Conference on Digital Technology & Engineering on 28th & 29th April 2023, RVITM-Bengaluru	TIJER ISSN 2349-9249 © July 2023 Volume 10, Issue 7	2023
4	A Review Paper on Regenerative Braking System	Eshaana S Udupa, Akarsh Balram H, Dr. Gajanan M Naik	National Conference on Digital Technology & Engineering on 28th & 29th April 2023, RVITM-Bengaluru	TIJER ISSN 2349-9249 © July 2023 Volume 10, Issue 7	2023
5	DESIGN & ANALYSIS OF ELECTRIC GO-KART	Akarsh Balram H, Eshaana S Udupa, Akhil M, Angadh P, Gajanan M Naik	National Conference on Digital Technology & Engineering on 28th & 29th April 2023, RVITM-Bengaluru	TIJER ISSN 2349-9249 © July 2023 Volume 10, Issue 7	2023
6	A Study on Dimensional Analysis Modeling of Crater size during Wire Electrical Discharge Turning Process by Using Buckingham Pi Theorem	Gajanan M Naik, Sadashiv Bellubbi , Maheshwar A Hipparagi Abhinaba Roy , Anjan BN, Ramesh S, Narendranath S	International Conference on Recent Advances in Engineering Materials (ICRAEM 2022), March 03 – 05,2022 Alva's Institute of Engg. & Technology, Moodabidri, (D.K) Karnataka. INDIA	Materials Today: Proceedings (2022) [Scopus]	2022
7	Optimizing machining responses of homologous TiNiCu shape memory alloys using hybrid ANN-GA approach	Abhinaba Roy, B.Sachin, T.Raghavendra, Charitha M.Rao, Gajanan M.Naik, Hargovind Soni, P.M.Mashinini, S.Narendranathd	International Conference on Recent Advances in Engineering Materials (ICRAEM 2022), March 03 – 05,2022 Alva's Institute of Engg. & Technology, Moodabidri, (D.K) Karnataka. INDIA	Materials Today: Proceedings (2022) [Scopus]	2022

8	Microstructural and mechanical characterisation of Al-Zn-Mg-Cu alloy processed by multi-directional cryo-forging	Ramesh, S., Anne, G., Gajanan M Naik Jagadeesh, C., & Nayaka, H. S.	International Conference on Advances in Materials Science, Communication and Microelectronics February 19-20,2021 (Virtual Mode) JECRC Foundation, Jaipur, Rajasthan	Materials Today: Proceedings (2021) [Scopus]	2021
9	Saltwater corrosion behaviour of equal channel angular pressed AZ80/91 Mg alloys.	Hebbale, A. Gajanan M Naik . Badiger, R. I., Bellubbi, S., & Narendranath, S	2 nd International Conference on Smart And Sustainable Developments in Materials, Manufacturing and Energy Engineering - (SME2020) 22–23 December 2020 NMAM Institute of Technology, Nitte, Karnataka, India	Materials Today: Proceedings. [Scopus]	2021
10	Microstructure and mechanical properties of TiO ₂ reinforced ZA22 metal matrix composite	Gajanan M Naik , B. Sachin, Ravindra I. Badiger, Ajit M. Hebbale,	International conference on laser deposition (iCOLD-2019) Nov 27-29, 2019, AIET Moodbidri, Mangalore, Karnataka India	Materials Today: Proceedings, https://doi.org/10.1016/j.matpr.2020.01.529 [Scopus]	2020
11	An investigation on effects of wire-EDT machining parameters on surface roughness of INCONEL 718	Gajanan M Naik Anjan B N, Ravindra I Badiger, Sadashiv Bellubbi, Dinesh Kumar Mishra	International conference on laser deposition (iCOLD-2019) Nov 27-29, 2019, AIET Moodbidri, Mangalore, Karnataka India	Materials Today: Proceedings, https://doi.org/10.1016/j.matpr.2020.03.031 [Scopus]	2020
12	Effect of grain refinement on mechanical and corrosion behaviour of AZ91 magnesium alloy processed by ECAE	Gajanan M Naik , Narendranath. S, S.S. Satheesh Kumar,	International Conference - Modern Technologies in Industrial Engineering - Lasi-Romania, Ramada Hotel, June 19-22, 2019.	IOP Conf. Series: Materials Science and Engineering 591 (2019) 012015 [Scopus]	2019
13	Influence of ECAP Processing Routes on	Gajanan M Naik , Narendranath S, S. S. Satheesh	3 rd International Conference on Optoelectronic	AIP Conference Proceedings 2082, 030016 (2019);	2019

	Microstructure Mechanical Properties and Corrosion Behavior of AZ80 Mg alloy	Kumar	and Nano Materials for Advanced Technology (IcONMAT-2019) Cochin University of Science and Technology, Kochi, Kerala. 2 nd -5 th January-2019.	https://doi.org/10.1063/1.5093834 . (Poster Presentation) [Scopus]	
14	Microstructure and Corrosion behavior of wrought AZ80 Mg alloys after the combined processes of ECAP and Hot Rolling,	Gajanan M Naik , Gopal D Gote, Narendranath S, S. S. Satheesh Kumar	International Conference on Advances in Materials and Manufacturing Applications (IconAMMA-2018), AMRITA University- Bengaluru, 16-18 th Aug. 2018.	IOP Conf. Series: Materials Science and Engineering 577 (2019) 012110, doi:10.1088/1757-899X/577/1/0121102 [Scopus]	2019
15	Microstructural and Hardness evolution of AZ80 alloy after ECAP and post-ECAP processes	Gajanan M Naik , Gopal D Gote, Narendranath S	8 th International Conference of Material Processing and Characterization (ICMPC-2018) Gokaraju Rangaraju Institute of Engineering and Technology-Hyderabad during 16 th -18 th March 2018	Materials Today: Proceedings 5 (2018) 17763–17768 [Scopus]	2018
16	Effect of Machining Parameters on Surface integrity during Dry Turning of AISI 410 martensitic stainless steel	Vishwas C J, Girish L V, Gajanan M Naik , Sachin B, Abhinaba Roy, Prashanth B Y	International Conference on 'Advances In Manufacturing, Materials And Energy Engineering' (Icon Mmee 2018) MITE-Moodbiri, March 2018	IOP Conf. Series: Materials Science and Engineering 376 (2018) 012127 Doi:10.1088/1757-99X/376/1/012127 [Scopus]	2018

INTERNATIONAL CONFERENCES-37 (Paper presented)

Sl. No	Authors	Title of the paper	Name of the conferences	Year
01	Sadashiv Bellubbi, Gajanan Naik , Ravindra Badiger, Mahalaxmi Bellubbi,	Machine Learning-Based Predictive Modelling of Surface Roughness and Overcut in Electrochemical Discharge Machining ,	International Conference on Digital Technology and Engineering, Department of Computer science and Engineering, RV institute of technology and management, JP Nagar, Bengaluru, October	2025

			16-17, 2025	
02	Charis, Annapurna , Lakshana, Anusha, Ramesh S, Gajanan M Naik,	Quality of Service (QoS) Optimization in 5G/6G Networks Using Neural Networks ,	International Conference on Digital Technology and Engineering, Department of Computer science and Engineering, RV institute of technology and management, JP Nagar, Bengaluru, October 16-17, 2025	2025
03	Gaurav Bhandary, Akshit Kochhar, Gajanan M Naik, Priyaranjan Sharma, Vignesh Nayak Ullal	Impact of processing temperatures on corrosion resistance of AZ80/91 Mg alloys during Equal Channel Angular Extrusion process	National Conference on Digital Technology & Engineering on 2 nd & 3 rd May 2024, RVITM- Bengaluru	2024
04	Raj Narayan, Deepashree, Gajanan M Naik, Ramesh S, Priyaranjan Sharma	Impact of die parameters and coefficient of friction on equivalent plastic strain during Equal Channel Angular Extrusion	National Conference on Digital Technology & Engineering on 2 nd & 3 rd May 2024, RVITM- Bengaluru	2024
05	Hameed A, Akash N, Kiran G, Gajanan M Naik, Ramesh S, Shanthala K, Priyaranjan Sharma	Optimization of Process Parameters in CNC Turning using Taguchi Method	National Conference on Digital Technology & Engineering on 2 nd & 3 rd May 2024, RVITM- Bengaluru	2024
06	Sujay J, Justinraj Immanuel, Shanthala K , Gajanan M Naik, Priyaranjan Sharma, Mohan Kumar	CNC Turning Process Parameter Optimization through Machine learning Approach	National Conference on Digital Technology & Engineering on 2 nd & 3 rd May 2024, RVITM- Bengaluru	2024
07	Vineet J, Shreyas G, Kishor M, Manoj Gowda, Shanthala K, Gajanan M Naik, Gajanan Anne.	Effect of welding parameters on joint strength in Microwave hybrid Welding of Monel -400 Metal Sheets -An AIML approach	National Conference on Digital Technology & Engineering on 2 nd & 3 rd May 2024, RVITM- Bengaluru	2024
08	Shreyas G, Kishore M, Manoj Gowda, Shanthala K, Gajanan M Naik, Gajanan Anne	Structural Evaluation of Microwave Butt Welded MONEL 400 Sheets through Finite Element Analysis	National Conference on Digital Technology & Engineering on 2 nd & 3 rd May 2024, RVITM- Bengaluru	2024
09	Sujay J, Justin, Gajanan M Naik, Shanthala K	CNC Turning Process Parameter Optimization through Machine learning Approach	10th National Conference on “Advancements in Information Technology” NCAIT-2024 organized by department of Information Science and Engineering JSSATE Bengaluru, on 30th April 2024	2024

10	Raj Narayan, Gajanan M Naik	Comprehensive Study On Wall Climbing Robot	10th National Conference on “Advancements in Information Technology” NCAIT-2024 organized by department of Information Science and Engineering JSSATE Bengaluru, on 30th April 2024	2024
11	Harshith, Ananth, Gajanan M Naik,	Repetitive corrugation and straightening of Al 5052 alloy	National Conference on Digital Technology & Engineering on 2 nd & 3 rd May 2024, RVITM-Bengaluru	2024
12	Gajanan M Naik, Ramesh S, Shreyas G, Priyaranjan Sharma,	Corrosion study on AZ80/91 Mg-alloys processed at different temperatures during the ECAE process,	5th International Conference on Innovations and challenges in Mechanical Engineering., 15th-16th March 2024, KL University. Andhra Pradesh, India.	2024
13	Mohan kumar, Aveen K P, Gajanan M Naik	Experimental Investigation on effect of interface in Rod inserted Tube type Layered Configuration on Fracture properties	5th International Conference on Advances In Mechanical Engineering (Icame 2024), organised by the Department of Mechanical Engineering, SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu, India during 20-22, March 2024.	2024
14	Ramesh S, Maruthi Prashanth B H, Gajanan Anne, Gajanan M Naik, Raghavendra Reddy, Priyaranjan Sharma	Examining the Influence of Stacking Sequence on the Mechanical Properties of Hybrid Abaca-Jute Vinyl Ester Composites	International conference on Smart and sustainable development in materials, manufacturing and energy engineering (SME 2023) 19-20 December 2023	2023
15	Akarsh Balram H, Eshaana S Udupa and Gajanan M Naik,	Design and fabrication of regenerative braking system for electric vehicles,	National Conference on Digital Technology & Engineering on 28th & 29th April 2023, RVITM-Bengaluru	2023
16	Eshaana S Udupa, Akarsh B H and Gajanan M Naik	A Review Paper on Regenerative Braking System	National Conference on Digital Technology & Engineering on 28th & 29th April 2023, RVITM-Bengaluru	2023
17	Chirag L, Deepashree and Gajanan M Naik	Optimization of Wire Electric Discharge Turning parameters using ANOM	National Conference on Digital Technology & Engineering on 28th & 29th April 2023, RVITM-Bengaluru	2023
18	Akhil M, Angadh P and	DESIGN & ANALYSIS	National Conference on	2023

	Gajanan M Naik	OF ELECTRIC GO-KART	Digital Technology & Engineering on 28th & 29th April 2023, RVITM-Bengaluru	
19	Shreyas G, Dheemanth and Gajanan M Naik	Enhancing Corrosion Resistance of ECAPed AZ80/91 Magnesium alloys after HVOF Coating	National Conference on Digital Technology & Engineering on 28th & 29th April 2023, RVITM-Bengaluru (Poster Presentation)	2023
20	Mohan Kumar, Vighnesh Nayak Ullal, Neelakantha V Londe, Kaushik Shetty, Gajanan M Naik and Pranav K Reddy	Study on Corrosion behaviour of Dip Coating of Zinc on Mild Steel,	4th International Conference on Recent Advances in Engineering Sciences RIT - 2022 (13th and 14th October 2022).	2022
21	Gajanan M Naik , Sadashiv Bellubbi , Maheshwar A Hipparagi Abhinaba Roy , Anjan BN, Ramesh S, Narendranath S	A Study on Dimensional Analysis Modeling of Crater size during Wire Electrical Discharge Turning Process by Using Buckingham Pi Theorem	International Conference on Recent Advances in Engineering Materials (ICRAEM 2022), March 03 – 05, 2022 Alva's Institute of Engg. & Technology, Moodabidri, (D.K) Karnataka. INDIA	2022
22	Gajanan M Naik , Ramesh S, Sadashiv B, Anjan B N	Effect of Equal Channel Angular Extrusion on Wear and Corrosion resistance of Mg-9%Al-0.5%Zn light weight alloy	2nd VIRTUAL INTERNATIONAL TRIBOLOGY RESEARCH SYMPOSIUM 2021, 8th – 10th December 2021, SRM Institute of Science and Technology, Chennai, Tamil Nadu.	2021
23	Sadashiv B, Satish N, Gajanan M Naik	Experimental Studies on Electro Chemical Discharge Machining Parameters for Silica Glass	International Virtual Conference on Advanced Ceramics and Technologies (IvaCCT- 2021), PDA College of Engineering, Kalaburagi, Karnataka.	2021
24	Ramesh S, Shivanada Nayaka, Gajanan M Naik , Gajanan Anne,	Investigation of Tribological Characteristics of Copper- Titanium Alloys Processed by Multi-Axial Cryo-Forging,	2nd VIRTUAL INTERNATIONAL TRIBOLOGY RESEARCH SYMPOSIUM 2021, 8th – 10th December 2021, SRM Institute of Science and Technology, Chennai, Tamil Nadu	2021
25	Sadashiv Bellubbi, Gajanan M Naik , Ramesh S,	Behaviour of Mg alloys after the combined processes of ECAP and Hot Rolling	International conference on Frontiers in Engineering Science and Technology (ICFEST-2020), 18 th and 19 th December-2020, Yenepoya Institute of Technology,	2020

			Moddbidri, Mangalore, Karnataka, India.	
26	Aditya Arjun, Akshath T Pai, Bhavish Shetty, Sachin B, Ramesh Babu N, Gajanan M Naik , Charitha M Rao, Kiran S Aithal, Manjunath HN	Impact Analysis of Knee Damper Assistant System with Fall Detection	International conference on Emerging Trends in Science and Engineering (ICETSE 2020), 10th and 11th July 2020, Shri Madhwa Vadiraja Institute of Technology and Management Vishwothama Nagar, Bantakal Udupi, Karnataka, India. (Online)	2020
27	Velsa Sophia Pinto, Shamanth, Gajanan M Naik , Abhinaba Roy, Sachin B, Narendranath S	ANOM optimization studies on Wire Electric Discharge Turning using Taguchi's experimental design	Global Conference on Advanced Smart and Sustainable Technologies in Engineering (GCASSTE), 30-31 Jan 2020, Mangalore Institute of Technology and Engineering, Moodbidri, Mangalore, Karnataka, India.	2020
28	Gajanan M Naik , Amal M, Deepak BabuRaj, Sachin B, Ravindra I Badiger, Ajit M. Hebbale,	Effect of TiO ₂ on Microstructure and Mechanical properties of Zn-22Al-2.5Cu alloy based composite	International conference on laser deposition (iCOLD-2019) Nov 27-29, 2019, Alva's Institute of Engineering and Technology Moodbidri, Mangalore, Karnataka India (Poster Presentation)	2019
29	Gajanan M Naik , Narendranath S, S. S. Satheesh Kumar	Effect of grain refinement on mechanical and corrosion behaviour of AZ91 magnesium alloy processed by ECAE	International Conference - Modern Technologies in Industrial Engineering - Lasi-Romania, Ramada Hotel, June 19-22, 2019. (Poster Presentation)	2019
30	Gajanan M Naik , Narendranath S, S. S. Satheesh Kumar	The Role of Processing Temperature in Equal Channel Angular Extrusion: Microstructure Mechanical properties and Corrosion resistance	International Conference on Design, Materials, Cryogenics and Constructions ICDMC 2019, Vel. Tech. Rangarajan Dr. Sagunthala R and D Institute of Science and Technology, Chennai, Tamil Nadu, 28-29th March 2019.	2019
31	Venkatesh B, Udhay S Yargambalimath, Vishwas C J, Gajanan M Naik , Sachin B,	Optimization of surface roughness in CNC turning of EN19 and EN31 steel using Taguchi method	3 rd International conference on emerging trends in Mechanical Engineering (NCETM-2018), AIT-Chikkamagaluru, Karnataka 4 th May 2018.	2019
32	Gajanan M Naik , Gopal D Gote, Narendranath S	Influence of chloride content and exposure time on corrosion behavior of AZ80	First International Conference on Energy and Environment: Global Challenges March 09 & 10, 2018. Department of Chemical	2018

		wrought Mg alloy	Engineering, NIT-Calicut, Kozhikode, Kerala, India.	
33	Gopal D Gote, Gajanan M Naik , Narendranath S,	Modeling of ECAP Process to Study the Effect of Die Parameters and Friction Coefficient on Equivalent Plastic Strain	CDAMIES2018, NIT-Tiruchirappalli, Tamil Nadu during 18-20 January 2018.	2018
34	Abhishek Shetty, Akshar K, Prashanth B Y, Gajanan M Naik	Optimization of Machining Parameters on MRR for EN19 & EN31 steel using Taguchi Method	IECE-2017, Coorg Institute of Technology, Ponnampete	2017
35	Gajanan M Naik , Narendranath S	Influence of process parameters on Material Removal Rate in wire electric discharge turning process of INCONEL 718	ICRISEM-2016, Sri Venkateswara College of Engineering & Technology (SVCET) Srikakulam, 27-Feb-2016, ISBN:978-81-932074-1-3.	2016
36	Gajanan M Naik , Narendranath S	Optimization of Wire Electric Discharge Turning process parameters for INCONEL 718 super alloy by using ANOVA Technique	ICONMERIT-16, Nehru Institute of Engineering and Technology Coimbatore, 30&31 March 2016.	2016
37	Gajanan M Naik , Narendranath S	Experimental Investigation of Wire ED Turning of INCONEL 718 super alloys	ICDAMS-2016, Saveetha University-Chennai, 07-08 April 2016	2016

OTHERS (Patents/Copyrights/Awards/ Magazine etc.)-06

Sl. No	Authors	Title	Category	Year
1	Priyaranjan Sharma, Dr. Sreejith B K, Dr. Seeram Srinivasa Rao, Balla Suresh, P. B. V. Ganesh, Bandaru Giridhar, Dudekula NandaKishore, Dr. Gajanan M. Naik ,	DRAINAGE CLEANING UNIT	Indian Patents Design No. 463288-001, Date: 24/06/2025.	2025
2	.Dr. Priyaranjan Sharma Dr. Gajanan M. Naik .Dr. Nidhin Raj A .K V S S Kushmit .M Sai Nagendhar .B Harshavardhan .Muhammed Zayan	SOLAR OPERATED RIVER CLEANING DEVICE	Indian Patents Design No. : 419683-001 Date : 11/06/2024	2024

3	Dr. Priyaranjan Sharma Dr. S. Surendarnath .Chandra Haasa K .Kiran Pyla .Adapa Kesav .Kuchipudi Tejdeep . Gajanan M. Naik	FLOOR CLEANING ROBOT	Indian Patents Design No. : 413618-001 Date : 15/04/2024	2024
4	Gajanan M Naik, Narendranath. S, S.S. Satheesh Kumar	Flipping Type-ECAP Die	Copyrights Diary Number: 14668/2018-CO/L. Reg. No: L-79923/2018	2019
5	Gajanan M Naik, Narendranath. S, S.S. Satheesh Kumar	A novel approach to improve the corrosion resistance of AZ80 Mg alloy through ECAP	An active participant in “ Dr. K V Rao Research Awards ”, for the year 2019 in Chemistry.	23 rd March 2019
6	Gajanan M Naik, Narendranath. S, S.S. Satheesh Kumar	Promoting Material Properties of Magnesium alloys using Equal Channel Angular Press	Research Outreach- Online Magazine	2020

BOOK CHAPTERS:

-06-

Sl. No	Title	Book	Authors	Publisher	Year
1	Examining the Influence of Stacking Sequence on the Mechanical Properties of Hybrid Abaca-Jute Vinyl Ester Composites	Advances in Science, Technology & Innovation"	Ramesh S, Maruthi Prashanth B H, Gajanan Anne, Gajanan M Naik, Raghavendra Reddy, Priyaranjan Sharma	Springer, Singapore. [Scopus]	2023
2	Taguchi Experimental Design for Turning of AISI 4340 Steel and Grey Analysis on Machinability Parameters for Sustainable Machining.	Sustainable Machining Strategies for Better Performance.	Shetty G.S., Gajanan M Naik	Springer, Singapore. https://doi.org/10.1007/978-981-16-2278-6_1 [Scopus]	2022
3	Minimum Quantity Lubrication and Cryogenic for Burnishing of Difficult to Cut Material as a Sustainable Alternative.	Sustainable Machining Strategies for Better Performance.	B. Sachin, Charitha M. Rao, Gajanan M. Naik, C. Durga Prasad, Ajit M. HebbaleV. Vijeesh, Muralidhara Rao	Springer, Singapore. https://doi.org/10.1007/978-981-16-2278-6_6 [Scopus]	2022
4	Effect of ECAE Die Angle on Microstructure	"Magnesium Alloys"	Gajanan M Naik, Manjaiah	IntechOpen London,	2020

	Mechanical Properties and Corrosion Behavior of AZ80/91 Magnesium Alloys		Mallaiah, Sachin B and Ravindra, Narendranath S	United Kingdom	
5	Influence of Chloride Content and Exposure Time on Corrosion Behavior of AZ80 Wrought Mg Alloy.	Global Challenges in Energy and Environment. Lecture Notes on Multidisciplinary Industrial Engineering.	Gote G.D., Naik G.M. , Narendranath S.	Springer, Singapore, https://doi.org/10.1007/978-981-13-9213-9_6 [Scopus]	2020
6	The Role of Processing Temperature in Equal Channel Angular Extrusion: Microstructure Mechanical Properties and Corrosion Resistance	Lecture Notes in Mechanical Engineering.	Gajanan M Naik , Narendranath Satheesh kumar S S	Springer, Singapore https://doi.org/10.1007/978-981-15-3631-1_25 [Scopus]	2020

POSTER PRESENTATION: -15-

STUDENT PUBLICATIONS AND RESEARCH CONTRIBUTIONS

Actively encouraged and continuously guided students to publish journal papers as part of course assignments in Research Methodology and IPR, and Non-Traditional Machining (Open Elective) for CSE students.

- Total number of papers published: **61**
- Click here for more details.:
https://drive.google.com/drive/folders/1nDXCOd7_xH7SxWRgzQudKeHD9uJuVQmV?usp=sharing

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14. **Dr. Vinayak Kulkarni**, Associate Professor, School of Mechanical Engineering,
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15. **Dr. Ravindra I Badiger**, Associate Professor, Dept. of Mech. Engg., YIT-
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Scopus profile link (Scopus Author ID: 57203221898) Citation: 344, H-Index: 11

<https://www.scopus.com/authid/detail.uri?authorId=57203221898>

Google Scholar Link: Citation: 459, H-Index: 12 i10-Index: 20

<https://scholar.google.co.in/citations?user=Fk8GPyEAAA&hl=en>

Research gate Link:

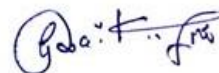
https://www.researchgate.net/profile/Gajanan_Naik7

DECLARATION:

I hereby declare that the above-mentioned information is true to best of my knowledge.

Date: 29-04-2026

Place: Bengaluru



(GAJANAN M NAIK)