

Faculty Profile

Name: Dr.P.Natarajan M.E., Ph.D.
Designation: Associate Professor
Department: Mechanical Engineering
College: Government College of Engineering
Place: Dharmapuri-636 704, Tamil Nadu, India
Contact Number: 9944337626 (Whats's app), 7373338587
Email-id: pnatarajan110@gmail.com

International Journals

1. Rajamanickam, S.K., **Natarajan Ponnusamy**., Mohanraj, M. and Julias Arulraj, A., 2023. Experimental investigation on mechanical and tribological characteristics of snake grass/sisal fiber reinforced hybrid composite. *International Polymer Processing*, (0).
2. **Natarajan, P.**, Periyasamy, M., Jamuna, R., Sakunthala, K. and Mohanraj, M., 2023. Optimization of electrodeposition parameters to maximize the microhardness of SiC nanocomposite coatings using RSM. *Materials Today: Proceedings*.
3. **Natarajan, P.**, Mohanraj, M., Kumar, R.S., Thirumoorthy, A. and Prabhakaran, S., 2022. Evaluation on the microhardness of Ni-TiO₂ nanocomposite coatings on AISI 1022 substrate. *Materials Today: Proceedings*, 62, pp.811-817.
4. Sathish Kumar Rajamanickam, Mohanraj Manoharan, S Ganesan, **Natarajan & P Rajasekaran** (2021) Experimental Study on the Drilling Parameter Analysis of Banana Fiber Reinforced Vajram Mixed Phenolic Resin Composite Laminates, *Journal of Natural Fibers*.
5. Mohanraj, M., Kumar, R.S., Venugopal, T, **Natarajan, P.** and Ganesan, S., 2021. Study and analysis of drilling parameters using TLBO algorithm on GFRP composites. *Materials Today: Proceedings*.
6. Sathish Kumar Rajamanickam, S.K., Manoharan, M., Ganesan, **Natarajan, P.** and Rajasekaran, P., 2021. Mechanical and Morphological Characteristics Study of Chemically Treated Banana Fiber Reinforced Phenolic Resin Composite with Vajram Resin. *Journal of Natural Fibers*, pp.1-16.
7. **Natarajan, P.**, Heat Transfer Analysis In Light Passenger Car Radiator With Various Geometrical Configurations, *International Research Journal of Engineering and Technology (IRJET)*, vol.23, no.3, pp.177-181.
8. **Natarajan, P.**, Jegan, A & Sankar Ganesh, S 2019, 'Development of numerical model for predicting the characteristics of Ni-SiC nano composite coatings on AISI 1022 substrate', *Materials Research Express*, vol.6, no.8. (IF: 1.929).

9. **Natarajan, P**, Jegan, A & Mohanraj, M 2020, 'Wear behavior of Ni-TiO₂ nano composite coating on AISI 1022 CS by pulse electrodeposition', Journal of New Materials for Electrochemical Systems, vol.23, no.3, pp.177-181. (IF: 0.259).
10. Surendhar C, Prasanna venkatesha sriram P, Kathiravan **Natarajan P**, Mohanraj M, Comparative Tribological Analyses of Hybrid Composite for Brake Rotor Application, International Research Journal of Engineering and Technology (IRJET), Volume: 07 Issue: 07 | July 2020
11. Surendhar C, **Natarajan P**, Mohanraj M, Vijay P, Wear behaviour of metal matrix composite for brake rotor applications, International Research Journal of Engineering and Technology (IRJET), Volume: 07 Issue: 08 | Aug 2020

International Conference

1. **Natarajan, P**, Jegan, A, Thirumal, P & Sankar Ganesh, S 2018, 'Pulse electrodeposition of Ni-TiO₂ nanocomposite coatings on copper surface', Second international conference Recent Trends in Applied Science and Technology (ICRTAST 2018).
2. **Natarajan, P**, Second international conference on Engineering Materials, Metallurgy & Manufacturing (ICEMMM 2021) at 16 & 17 Dec 2021 organized by SSN college of Engineering Chennai-110., Paper title: Evaluation on the Microhardness of Ni-TiO₂ Nanocomposite Coatings on AISI 1022 Substrate.
3. Fourth international conference on Engineering Materials, Metallurgy & Manufacturing (ICRAMM 2022) at 08 & 09 Dec 2022 organized by Velalar college of Engineering and Technology, Erode. Paper title: Optimization of Electrodeposition parameters to maximize the microhardness of Ni-SiC nanocomposite coatings using RSM.

National Conferences

1. **P.Natarajan**, 2020, 'Tribological behavior of AL6063 Carbon fiber-boron nitride-red mud hybrid composite for brake rotor application', National conference on emerging trends in mechanical engineering, (NCETME 2020)
2. **Natarajan, P**, Jegan, A & Sankar Ganesh, S 2018, 'Surface morphology and wear behaviour of Ni-SiC nanocomposite coating by pulse electrodeposition', National conference on Advance Mechanical Engineering (NCME 2018).
3. Sankar Ganesh, S, Jegan, A & **Natarajan, P** 2018, 'Optimization of pulse electrodeposition of Ni-SiC nanocomposite using response surface methodology', National conference on Advance Mechanical Engineering (NCME 2018).
4. **Natarajan, P**, Jegan, A & Sankar Ganesh, S 2018, 'Effect of stirring speed on surface morphology and wear behavior of Ni-TiO₂ nanocomposite coating by pulse electrodeposition', National conference on Recent Advance in Mechanical Science & Technology (RAMSAT 2018).

Seminar /FDP Attended:

S. No	Name of Course	Place	Duration	Programme Sponsoring Agency
1	Controllers for Management of Renewable Energy Sources	GCE-Bargur EEE	14.05.2013 to 20.05.2013	FDP-TEQIP
2	Pedagogy and Professional Communication	GCT-Coimbatore	22.05.2013 to 28.05.2013	FDP-TEQIP
3	Processing and Application of Composite Materials	GCE-Bargur Mechanical	21.6.2013 to 27.6.2013	FDP-TEQIP
4	Reverse Engineering and Rapid Prototyping	GCE-Bargur Mechanical	16.7.2013 to 22.7.2013	FDP-TEQIP
5	Teaching Learning Methodologies	Teaching Learning Centre-IIT Madras	16.10.2013 to 18.10.2013	FDP-TEQIP
6	Recent Advances in Optimization Techniques	GCE-Bargur Mechanical	18.11.2013 to 24.11.2013	FDP-TEQIP
7	Recent Advances in I.C. Engines Research	GCE-Bargur Mechanical	2.12.2013 to 8.12.2013	FDP-TEQIP
8	Recent Advances in Alternative fuels Research	GCE-Bargur Mechanical	11.12.2013 to 17.12.2013	FDP-TEQIP
9	28 th Indian Engineering Congress	Institution of Engineers, Tamilnadu-Chennai	20.12.2013 to 22.12.2013.	QIP
10	Solid Waste Management, Handling Rules and Recycling	GCE-Bargur Chemistry	23.01.2014 to 29.01.2014.	FDP-TEQIP
11	Effective Interpersonal Communication , Capacity Building and Time Management	Edumatic Solutions, Bangalore	1.02.2014 to 3.02.2014	FDP-TEQIP
12	From Campus to Corporate	ESCI- Hyderabad	22.02.2014 to 23.02.2014	FDP-TEQIP
13	Training of Evaluators/Resource persons on Outcome Based Accrediation Phase-I &Phase-II	NBA & National Engineering College,Kovilpatt i	Phase-I (7.6.2014) &Phase-II(14.6.2014 to 16.6.2014)	QIP
14	Workshop on Internal Quality Assurance Mechanisms	Teaching Learning Centre-IIT Madras	28.10.2014 to 30.10.2014	QIP
15	Principle of Additive/Generative Manufacturing Technologies	IIT-Hyderabad	1.12.2014 to 5.12.2014	FDP-TEQIP
16	Stress Management	GCE-Bargur	17.03.2015	TEQIP-II

17	Patent Registration	GCE-Bargur	17.04.2015	TEQIP-II
18	Sponsored Research programs (Opportunities, Procedures and Best Practices)	The Institution of Engineers (India), Chennai	10.9.2015 to 12.9.2015	TEQIP-II
19	Foundation Skills in Integrated Product Development-Train –The Trainer Program	Centre for Faculty Development, Anna University, Chennai	27.09.2015 to 1.10.2015	TEQIP-II
20	Advanced Nano Composite Materials: Characterization and Applications	Anna University Regional Office - Coimbatore	22.9.2015 & 23.9.2015	TEQIP-II
21	Mathematical Modelling for Engineering Research	Bannari Amman Institute of Technology- Sathyamangalam	22.01.2016 & 23.01.2016	TEQIP-II
22	One day workshop on “Academic Autonomy-Curriculum Design	GCE-Bargur	04.03.2016	TEQIP-II
23	Engineering Entrepreneurship	IRTT-Erode	27.11.2016 to 11.12.2016	AICTE
24	Workshop on Innovation	Port Blair, Andaman Nicobar	9.03.2017 to 11.03.2017	TEQIP-II
25	Advanced Material Science and Engineering	Coimbatore Institute of Technology- Coimbatore	15.05.2017 to 28.05.2017	AICTE
26	“Recent Trends in Materials and Processing Techniques”	GCE Salem	19.08.2019 to 31.08.2019	TEQIP-III
27	One Week FDP on MATLAB Programming for Meta Heuristic Multi-Objective Optimization Tools, -	GCT, Coimbatore	22.06.2020- 26.06.2020	TEQIP-III
28	Three weeks industrial training on mechanical Engineering applications in telecom industries	BSNL	30.6.2020 - 20.7.2020	BSNL
29	Content creation for e-class using video editing, animation and DTP tools	Department of Mechanical Engineering, GCE, Bargur	27 July, 2020 to 02 August, 2020.	TEQIP-III
30	Recent Advances in Materials and Manufacturing: Part I	Department of Mechanical Engineering, Gayatri Vidya Parishad College of Engineering (Autonomous), Visakhapatnam	3rd to 8th August, 2020	AICTE
31	Electric Vehicles	University College	2020-11-30 to 2020-12-4	AICTE Training And Learning (ATAL)

		of Engineering Villupuram	.	Academy Online FDP
32	Energy Engineering	Institute of Engineering & Technology.	14/12/2020 to 18/12/2020	AICTE Training And Learning (ATAL) Academy Online FDP
33	Mechanical and Manufacturing Engineering	Vishwakarma Institute of Information Technology Pune.	21/12/2020 to 25/12/2020	AICTE Training And Learning (ATAL) Academy Online FDP
34	E- QUIZ ON <i>STRENGTH OF MATERIALS</i>	GOVERNMENT POLYTECHNIC COLLEGE, AUNDIPATTY, THENI.	7/22/2020	GOVERNMENT POLYTECHNIC COLLEGE, AUNDIPATTY, THENI.
35	Future Direction of Mechanical Sciences	Sona College of Technology	16 July 2020	Sona College of Technology
36	Basic Finite Element Analysys -1	NPTEL- AICTE	Feb-Apr 2019	NPTEL- AICTE
37	Fundamentals of Surface Engineering: Mechanisms, Processes and Characterizations	NPTEL- AICTE	July-Oct- 2018	NPTEL- AICTE
38	Introduction to Abrasive Machining and Finishing Processes	NPTEL- AICTE	Jan-Mar-2020	NPTEL- AICTE
39	Intellectual Property Rights & Innovation- Covid 19 Challenges	Karaikal Polytechnic College	July 3, 2020	Institution Innovation Council (IIC)
40	Principles of Casting Technology	NPTEL- AICTE	Jan-Mar-2020	NPTEL- AICTE
41	AICTE Training And Learning (ATAL) Academy- Robotics	Katihar Engineering College Katihar	23.08.2021 to 27.08.2021	ATAL program
42	Sensor Technology	K S R College of Engineering	04/10/2021 to 08/10/2021	AICTE Training And Learning (ATAL) Academy Online FDP
43	Nonlinear & Evolutionary Optimization Techniques in Engineering	Gayatri Vidya Parishad College of Engineering, Visakhapatnam.	21/02/2022 to 26/02/2022	AICTE-ISTE
44	Design, Optimization and Manufacture of Materials	SSN College of Engineering	07/03/2022 to 12/03/2022	SSN College of Engineering
45	Faculty development training centre- coimbatore-3D printing , additive manufacturing:Theory and practice	Government College of Engineering, Bargur	05.09.2022 to 09.09.2022	Faculty development training centre
46	SPARC online workshop on CO ₂ refrigeration systems:Fundamentals Advancements and applications	IIT Madras	10.10.2022 to 14.10.2022	IIT M,IISc Bengaluru, NTNU Norway
47	AICTE Training And Learning (ATAL) Academy- Energy	Periyar University	07.11.2022- 18.11.2022	ATAL program

	Engineering			
--	-------------	--	--	--