

BHARATHIDASAN ENGINEERING COLLEGE, NATTRAMPALLI
DEPARTMENT OF MECHANICAL ENGINEERING

Dr.V.NARESH.,M.E.,Ph.D.,

ASSOCIATE PROFESSOR & HEAD OF THE DEPARTMENT

List of Publications International Journals

- **Naresh.V** “PERFORMANCE EVALUATION OF DIFFERENT CONFIGURATION OF SENSIBLE STORAGE USING TRNSYS” YMER VOLUME 24 : ISSUE 02 (Feb) – 2025. (**Scopus index**)
- **Naresh.V** “PERFORMANCE ANALYSIS OF THERMAL ENERGY STORAGE SYSTEM USING CYLINDRICAL ENCAPSULATED PCM” GRADIVA REVIEW JOURNAL VOLUME 11 ISSUE 1 .JAN 2025. (**Scopus index**)
- **Naresh.V**” Design and Implementation of a Stewart Platform for Enhanced Patient Comfort in Ambulance Stretchers.” FOUNDRY JOURNAL VOLUME 28 ISSUE 1, JAN 2025. (**Scopus index**)
- **Naresh.V** “Performance and Combustion Characteristics Analyses of Mustered Seed Oil B60 with Different Compression Ratio” Key Engineering Materials Submitted: 2024-09-20, Vol. 1006, pp 23-32. (**Scopus index**)
- **Naresh.V**” Investigation of Algae and Corn Biodiesel Blends in a Diesel Engine” YMER VOLUME 23 : ISSUE 12 Dec – 2024. (**Scopus index**)
- **Naresh.V** “Innovative Design and Implementation of a Six-Degree-of Freedom Stewart Platform for Enhanced Patient Comfort in Ambulance Stretchers” International Journal of Engineering Inventions , Volume 13, Issue 5 [May. 2024] PP: 110-116.
- **Naresh.V** “Performance and Emission Test of Diesel Engine Using Algae Oil Diesel Blend as an Alternative Fuel” peer review at a journal by Research Square May 10th, 2024. (**Scopus index**)
- **Naresh.V** “Fabrication of Double Slope Solar Distillation System” International Journal of Engineering Inventions , Volume 12, Issue 10 [October. 2023] PP: 33-36.
- **Naresh.V** “Performance and Emission Test of Diesel Engine Using Algae Oil Diesel Blend as an Alternative Fuel” at International Journal of Engineering Inventions , Volume 12, Issue 10 [October. 2023] PP: 23-32.
- **Naresh.V**, “Configuration selection of solar collector and thermal storage system for domestic refrigeration application” at International Journal of Engineering Inventions , Volume 11, Issue 12 [December 2022]

- **Naresh.V** ,” Propulsion of Rocket Using Potassium Nitrate”at International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) on Volume 11, Issue 9, September 2022.
- **Naresh.V**, “Performance Evaluation of Different Configuration of Sensible Storage”at International Journal of Engineering Inventions Volume 11, Issue 8 [August. 2022] PP: 65-74.
- **Naresh.V**, “Stratification Performance Analysis of Thermal Energy Storage System Using Cylindrical Encapsulated PCM” at International Journal of Engineering Inventions Volume 11, Issue 8 August. 2022 PP: 75-82.
- **Naresh.V**, “Propulsion of Rocket Using potassium Nitrate”at International Journal of Engineering Inventions Volume 11, Issue 9 September. 2022]PP: 01-07.
- **Naresh.V**, “Performance Analysis Of Cascaded Thermal Energy Storage System Using Different Pcms” at International Journal of Engineering Inventions Volume 11, Issue 8 August. 2022 PP: 156-166.
- **Naresh.V**, prabhakar S. And Annamalai K., “Effect of injection pressure and injection timing in performance and emission characteristics in di engine using blend of methyl esters of algae” Published a paper in “International Journal of Mechanical and Production Engineering Research and Development”, vol. 4, issue 16, Sep. 2018. (**Scopus index**)
- **Naresh.V**, prabhakar S. And Annamalai K., “Effect of injection pressure and injection timing in performance and emission characteristics in di engine using blend of methyl esters of algae” Published a paper in “Journal of Computational and Theoretical Nanoscience”, Sep. 2018. (**Scopus index**)
- **Naresh.V**, prabhakar S. And Annamalai K., “Experimental investigation on characteristics of algae biodiesel in a diesel engine “Published a paper in “International Journal of Engineering and Technology(UAE)” OCT 2018 (**Scopus index**)
- Naresh.V,prabhakar S. And Annamalai K., “optimizing the efficient blend for algae oil.” Published a paper in “journal of advanced research in dynamical and control systems”, vol. 4, issue 16, Sep. 2017 PP 954-965. (**Scopus index**)
- **Naresh.V**, prabhakar S. And Annamalai K., “Experimentation investigation of diesel engine with esterified algae oil.” Published a paper in “IJETSR”, vol. 4, issue 9, September 2017, ISSN 2394-3386.

- **Naresh.V**, prabhakar S. And Annamalai K., “A renewable diesel from algae: synthesis and characterization of biodiesel in situ transesterification of chloro phycophyta (green algae) using dodecane as a solvent.” Published a paper in “ijetsr”, volume 4, issue 8, 2017.
- **Naresh.V**, prabhakar S. And Annamalai K., “a renewable diesel from algae: synthesis and characterization of biodiesel in situ transesterification of chloro phycophyta (green algae) using dodecane as a solvent.” Published a paper in “icrtesm”, vol. 4 ,issue 8,august 2017.
- **Naresh.V**, prabhakar S. And Annamalai K., “algae oil: the possibility of using as fuel in ci engine.” Published a paper in “international journal of engineering technology, management and applied science”, vol. 5, issue 7, July 2017.
- **Naresh.V**, prabhakar S. And Annamalai K., “algae oil: the possibility of using as fuel in ci engine.” Published a paper in “International journal of scientific and engineering research”, vol. 8, issue 6, June 2017.
- **Naresh.V**, prabhakar S. And Annamalai K., “a renewable diesel from algae: synthesis and characterization of biodiesel in situ transesterification of chloro phycophyta (green algae) using dodecane as a solvent.” In “international journal of advanced research in science and engineering” , vol.no. 06, issue no. 09, Sep 2017.
- **Naresh.V**, prabhakar S. And Annamalai K., “A renewable diesel from algae: synthesis and characterization of biodiesel in situ transesterification of chloro phycophyta (green algae) using dodecane as a solvent.” In “WJTER”,vol . 2, issue 1 2017..
- **Naresh.V**, prabhakar S. And Annamalai K., “Experimentation investigation of diesel engine with 3aharashtr algae oil.” Published a paper in paper getting accepted in “journal of chemical and pharmaceutical research”, res.2017,9(9):11.
- **Naresh.V**, prabhakar S. And Annamalai K., “A renewable diesel from algae: synthesis and characterization of biodiesel in situ transesterification of chloro phycophyta (green algae) using dodecane as a solvent.” In “ICLISEM-2017”, 2017.
- **Naresh.V**, prabhakar S. And Annamalai K., “algae oil: the possibility of using as fuel in ci engine.” Published a paper in “ICETSMI-2017”, vol. 8, issue 6, June 2017.

International Conferences

- **Naresh v** “characteristics of mustard seed oil as alternative fuel B60 at different compression ratio: An experimental study” International conference on sustainable materials & advances in renewable

Technologies by **SMART** Villa College Boduthakurufaanu Magu, Malé, Maldives 24 at 15 July 2024.

- **Naresh.V** “fabrication of air condition integrated with water cooler and water heater” at National conference on recent trends in mechanical engineering, organized by Er.PMC Tech ,Hosur on 3 June 2022.
- **Naresh.V**, Prabhakar S. and Annamalai k., “performance and emission characteristics of algae oil on vcr diesel engine” published a paper in icmech19, organized by international conferences on material science by Adhi collage of engineering and technology. On 08 may 2019.
- **Naresh.V**, Prabhakar S. and Annamalai k “Experimentation investigation of diesel engine with esterified algae oil” at “ICRTES-2018”.organized by professional group of conference ,Andha Pradesh India FEB -2018.
- **Naresh.V**, prabhakar S. And Annamalai K., “experimentation investigation of diesel engine with esterified algae oil.” Published a paper in ijser, organized by institution of electronic and telecommunication engineers, osamania university campus,4aharasht,on 03 september 2017.
- **Naresh.V**, prabhakar S. And Annamalai K., “A renewable diesel from algae:synthesis and characterization of biodiesel in situ transerification of chloro phycophyta (green algae) using dodecane as a solvent.”, mahratta chamber of commerce industries and agricultiure ,senapati bapat road ,pune ,4aharashtra on 7 august 2017,issn 2394-3386.
- **Naresh.V**, prabhakar S. And Annamalai K., “algae oil: the possiblilty of using as fuel in ci engine.” Institution Of Electronic And Telecommunication Engineers,lodhi road,Delhi, India, pp 2349-4476., july2017.

Short term course/Training/Conferences/Seminar/Workshop attended

Workshop Attended

Sl.No	TITLE OF WORKSHOP	NAME OF THE INSTITUTION	NO OF DAYS	DATE	YEAR
1	Challenge & opportunities in FSW of Mg alloys	S.A Engineering college, Chennai	1	13 June	2020
2.	Solar panel system for your home	Tagore engineering college	1	02 May	2020
3.	Fundamental of strength of materials	Chennai institute of technology ,Chennai	1	29 April	2020

4	Fuel cell	Excel engineering college, komarapalayam	4	29 April to 02 May	2020
5	How to get publication in scientific journal.	Sri Sai Ram Institute of technology, Chennai	1	27 April	2020
6	Advanced machining processes	RVS college of Engineering, Dindigul.	1	28 May	2020
7	Efficient fault tolerant schemes for electrical vehicles	Tagore engineering college	1	06 July	2020
8	Write skills	Karpagam institute of technology	4	01 May to 04 May	2020
9	Innovation Ambassador (IA) training	MoE's Innovation cell & AICET	15 session	17-11-2022	2022
10	One day NSS orientation Program and PFMS Training.	MIT campus, Anna university Chennai	1	18/12/2024	2024

FDP Attended

Sl.No	TITLE	NAME OF THE INSTITUTION	NO OF DAYS	DATE	YEAR
1	ME6505 Dynamics of machines	Valalar College Of Engineering And Technology ,Erode	3	16-18 June	2016
2	Alternative fuels and engine test	Top engineers	2	24.July to 25 July	2017
2	Me6503-Design Of Machine Elements	Kings engineering college, sriperumbudur	6	28 May to 04 June	2018
3	Me6603 Finite Element Analysis	Sri Sai Ram Institute of technology, Chennai	6	18 Nov to 23 Nov	2019
4	Recent trends in biomedical engineering – research perspective	Dr.N.G.R institute of technology	04	26 – 30 April	2020

5	“Electric Charging Station for Vehicles”	Government Engineering College Thrissur. AICTE Training and Learning Academy (ATAL)	05	21/02/2022 to 25/02/2022	2022
6	“Non Traditional Machining”	NITTER,chennai	07	31.01.2022 to 04.02.2022	2022
7	“Avenues for Energy Conservation in Thermal Power Plants”	Anna University.chennai	07	07/02/2022 to 11/02/2022	2022
8	“Precision Agriculture and Nanotechnology: Making Agriculture Future Ready”	Noida Institute of Engineering and Technology.	07	20/01/2022 to 24/01/2022	2022
9	One day training program for NSS officers	Anna university	01	11/10/2022	2022
10	Smart Manufacturing	NITTER,chennai	05	12/12/2022 TO 16/12/2022	2022
11	Advances in Welding & Manufacturing	NITTER,chennai	05	27/02/2023 TO 03/03/2023	2023
12	NBA Process for UG Tier II Programs	NITTER,chennai	03	20/03/2023 22/03/2023	2023
13	One Day online FDP on AI Tools for Teaching.	Star International Foundation for Research and Education.	01	22.06.2024	2024
14	Recent Developments in Mechanical Engineering(FDP)	NITTER,chennai	05	24/06/2024 28/06/2024	2024

15	Recent Trends in Digital Manufacturing (FDP)	Adhiyamaan College Of Engineering (Engineering & Technology)	07	09/09/2024 to 14/09/2024	2024
16	Empowerment of Robotic, AI&ML and Additive Manufacturing in Industry 4.0	NALANDA INSTITUTE OF TECHNOLOGY	06	02/12/2024 to 07/12/2024.	2024
17	Renewable Energy and Electric Vehicles Technology for Sustainable Future	J.J. COLLEGE OF ENGINEERING AND TECHNOLOGY	06	16/12/2024 to 21/12/2024.	2024
18	Next Gen Communications for IoT and Industrial Automation	HOLY MARY INSTITUTE OF TECHNOLOGY & SCIENCE	06	20/01/2025 to 25/01/2025.	2025
19	Advances in heat treatment and material processing	NITTER,chennai	05	03/02/2025 to 07/02/2025	2025

Patent Applied

Experimental Investigation on Algae Biodiesel in a DI Diesel Engine. (Applied and awaiting for examination) No. - TEMP/E-1/49223/2020-CHE, Date: 13/10/2020.

REVIEWER IN JOURNALS

- Reviewer of international journal of creative research thoughts, ISSN 2320 -2882.
- Reviewer of science publication Journal.
- Reviewer of American Journal of Agricultural and Biological Sciences.