


PERSONAL DETAILS

NAME & INITIALS	MOHAMED ABBAS.S	
DESIGNATION	Head / Research & Developments	
EDUCATIONAL QUALIFICATION	B.E., M.E., Ph.D.,	
EXPERIENCE	20 Years	
EMAIL ID	abbas432@gmail.com	
AREA OF SPECIALISATION	I.C Engine, Surface Coatings, Composite materials, E.V Technology	

EDUCATIONAL QUALIFICATION

DEGREE	BRANCH / SPECIALIZATION	INSTITUTION	UNIVERSITY	YEAR
Ph.D	MECHANICAL	CEG, ANNA UNIVERSITY	ANNA UNIVERSITY	2021
M.E	[CAD / CAM]	MADHA ENGINEERING COLLEGE, CHENNAI	ANNA UNIVERSITY	2011
B.E	[AUTOMOBILE ENGINEERING]	SRIRAM ENGINEERING COLLEGE, CHENNAI	ANNA UNIVERSITY	2005
D.M.E.	[DIPLOMA IN MECHANICAL ENGINEERING]	KALASALINGAM POLYTECHNIC COLLEGE, KRISHNANKOIL	DOTTE	2000

PROFESSIONAL MEMBERSHIPS

➤ Life time Professional Membership of InSc International Publishers in Recognition of Professional Standing, By InSc Institute of Scholars, Bangalore
➤ IAENG – INTERNATIONAL ASSOCIATION OF ENGINEERS
➤ INTITUTE OF RESEARCH ENGINEERING AND DOCTORS
➤ INTERNATIONAL ASSOCIATION OF ENGINEERS

- SEEK DIGITAL LIBRARY

FDP ATTENDED

- Participated FDP on “Graphical system design in Engineering Applications” organized by AMS College of Engineering, 16th June 2015.
- Participated FDP on “Engineering Graphics” organized by AMS College of Engineering, 1st and 2nd July 2013
- Participated an FDP - Workshop on “High Impact Teaching Skills” Anna University Sponsored Dale Carnegie Training certificate at Sriram Engineering college conducted by MISSION 10X- WIPRO on 4th to 8th May 2009.

WORKSHOPS ATTENDED

- Participated one-week Hands-on training Workshop on “High End Machining Centers for Computer Integrated Manufacturing” under DST-STUTI Program of IIT (ISM) Dhanbad, funded by DST, Govt. of India, Organized by Birla Institute of Technology & Science (BITS), Pilani, Rajasthan, during 28th November to 4th December. 22
- Participated workshop on “Nano Materials Characterization and Application” at NITTTR, Chandigarh during November 2018
- Participated one day workshop on “High Temperature Properties of Materials” organized by Annamalai University. (1st Feb 2014)
- Participated in the 3 days’ workshop on Nanofabrication Technologies, held at IIT Bombay during May 26th to 28th 2014.
- Participated workshop on “R&D project proposals – Awareness, Needs and Benefits” organized by Anna University on 28th June 2013.
- Participated one week workshop on “Nano Materials Characterization and Application” at NITTTR , Chandigarh during November 2013.
- Completed the Training & Certification program in “Creo Parametric 2.0” organized TRUE PINK Academic Solutions, Chennai, 8th to 10th May 2013.
- Participated in the 9th Indian Nano Electronics Hands on Training workshop on Nano Fabrication Technologies, held at IIT Bombay during April 20th to 27th 2012.
- Participated in the 6th INUP Familiarization workshop on Nanofabrication Technology held at IIT Bombay, during November 30th to December 04th 2011.
- Participated one day workshop on “Thermal Spraying and Cladding” organized by IIT-Madras.

SEMINARS ATTENDED

- AICTE Sponsored National seminar on KAIZEN at Rajalakshmi Engineering College, During the day of 20th and 21st March, 2009.

PUBLICATION DETAILS

- S. Bharani Kumar, S. Mohamed Abbas, S. D. Sekar, G. Sivakkumar, “Jute Fiber IPN Graphite Filled: An Experimental Investigation and Prediction of Wear Behavior “ Lecture Notes in Mechanical Engineering, Springer., 2022
- J. Jeevamalar, S.Mohamed Abbas, S. Bharani Kumar, G. Sivakkumar, S. “Influence of Nanoclay Dispersion on Mechanical and Vibration Properties of E-Glass Fiber-Reinforced IPN Composites” Lecture Notes in Mechanical Engineering., Springer, 2022
- Mohamed Abbas S, A. Elayaperumal, S Arulvel, R Manikandan “Tribology Characterization Of Plasma Sprayed Zirconia-Alumina And Fused Zirconia-Alumina Composite Coated Al-Si Alloy At Different Sliding Velocity And Load Conditions” Silicon, Springer.
- S. Mohamed Abbas , A. Elayaperumal, S Arulvel, “Enhancement of the hardness and wear-resistance of aluminum-silicon alloy using atmospheric plasma-sprayed ZrO₂, Al₂O₃-ZrO₂ multilayer, and Al₂O₃/ZrO₂ composite coatings” was published in Surface Topography: Metrology and Properties. (2020)
- S. Mohamed Abbas, A. Elayaperumal, “A study on combustion and performance characteristics of ceramic coated (PSZ/Al₂O₃) and uncoated piston – D.I engine” was published Materials Today, Elsevier. (2020)
- R.Manikandan, S.Mohamed Abbas S.Sathish, “Experimental analysis of basalt fiber reinforced egg shell/water hyacinth loaded epoxy composites” was published Materials Today , Elsevier. (2020)
- S. Mohamed Abbas, A. Elayaperumal, “Experimental investigation on the effect of Ceramic Coating on Engine Performance and Emission Characteristics “was published in Journal of Cleaner Production, Elsevier. (2018)
- R.Mohamed Iqbal, Mohd.F.Shabir, B. Dilip Jerold, S. Sathish, S. Mohamed Abbas, R. Manikandan, P. Mohamed Riswan, I. Mohamed Raseen, M.A. Mohamed Samirudeen, “Investigation on the thermal properties of multilayered ceramic coatings deposited using atmospheric plasma spraying”, International Journal of Materials and Research Innovation, Vol.19, Issue S8, pp. 301-305. (2015)
- P.Muniraja Chandra, S.Mohamed Abbas, Mohd.F.Shabir, R.Manikandan, B.Dilip Jerold, “Performance and Combustion Characteristics of a Compression Ignition Engine Using Honne oil blends”, International Journal of Machine and Construction, Volume 2, Issue 1. (2015)
- P.Muniraja Chandra, Ayaz Ahmed, Mohd.F.Shabir, S.Mohamed Abbas, “Prediction on Increasing the Efficiency of Single Cylinder DI Diesel Engine Using EGR System”, International Journal of Modern Engineering Research (IJMER), Vol.5, Issue 3, p. 30. (2015)
- S.Srilakshmi, Mohamed Abbas, P.Muniraja Chandra, R.Manikandan, Mohd.F.Shabir, B.Dilip Jerold , “Comparison and effect of Different Shot Peening Parameter on Steel Blades with 12% Cr”, Journal of Recent Research in Engineering and Technology, Vol.2, Issue 2. (2015)
- P MuniRaja Chandra, S.Mohamed Abbas, Mohd F Shabir, R Manikandan, B Dilip Jerold , “Performance and Combustion Characteristics of a Compression Ignition Engine Using Honne oil blends”. (2015)
- S. Mohamed Abbas, A.Baradeeswaran, “Performance Analysis on Stitched and Un-Stitched Fibre Glass-Epoxy Laminates”, Journal of International Journal of Production Technology and Management Research.(2011)

CONFERENCE DETAILS

- Presented a paper in International level Conference at AMS College of Engineering entitled “An Experimental Investigation of the Mechanical behaviour on Bi-Layer ceramic coated Aluminum alloy by HVOF and Atmospheric plasma spray technique” (March 2017).
- Participated an International Conference on Materials Research and Engineering (ICMRE 2015), in Shanghai, China. (30th and 31st January 2015)
- Presented a paper titled “Performance analysis on stitched and un-stitched fiber glass epoxy laminates” in National level Conference at Rajalakshmi Engineering College on 30th March 2011
- Presented a paper titled “Performance analysis on cross stitched and Un-stitched fibre Glass-Epoxy Laminates” in National level Conference at Madha Engineering College on 1st April 2011
- Presented a paper titled “Importance and uses of Composite Materials” in the AICTE sponsored National Conference on 6th and 7th of August 2009 at Rajalakshmi Engineering College.

ACHIEVEMENT DETAILS

- Received certificate for Excellence Award in the Teaching the subject “Internal Combustion Engine” during the academic year 2018-19 in AMS College of Engineering
- Received certificate for Excellence Award in the Teaching the subject “Finite Element Analysis” during the academic year 2017-18 in AMS College of Engineering.
- Received certificate for Excellence Award in the Teaching the subject “Computer Integrated Manufacturing” during the academic year 2011-12 in AMS College of Engineering.
- Received certificate for Excellence Award in the Teaching the subject “Finite Element Analysis” during the academic year 2010-11 in AMS College of Engineering.
- Received certificate for Excellence Award in the Teaching the subject “Engineering Graphics” during the academic year 2009-10 in P.B College of Engineering.
- Received “Young Researcher Award-2022” by InSc Institute of Scholar, Bangalore, for the paper entitled “Enhancement of the hardness and wear-resistance of aluminum-silicon alloy using atmospheric plasma-sprayed ZrO₂, Al₂O₃-ZrO₂ multilayer, and Al₂O₃/ZrO₂ composite coatings” was published in Surface Topography: Metrology and Properties. (2020)
- Received “Best Invention Award” by Indian Seafarers Welfare Organization, on 29-09-2022
- Received “ Achievement Award” in the name of Dr. A.P.J. Abdul Kalam, by Esther Fine Arts on 16-10-2022.
- Received “ Global Star Award” by NIC Academy, on 17-12-2022