



# Dr. S. THIRUGNANAM

Professor & Head, Mechanical Engineering  
Experience 30 Years

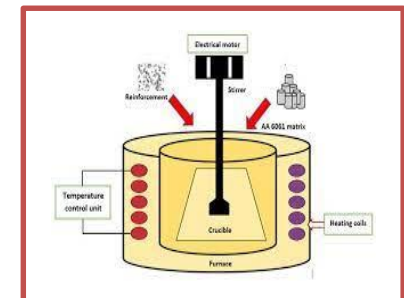
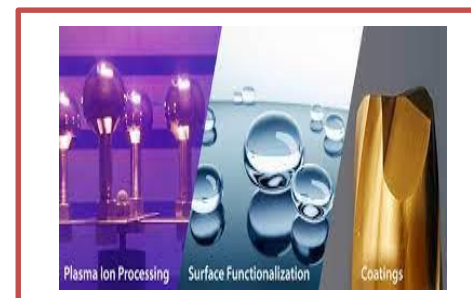
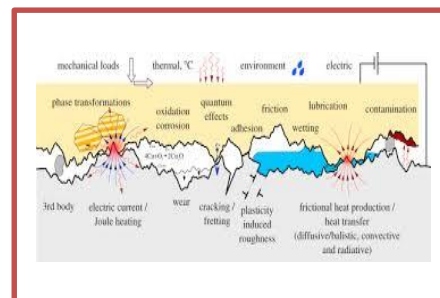
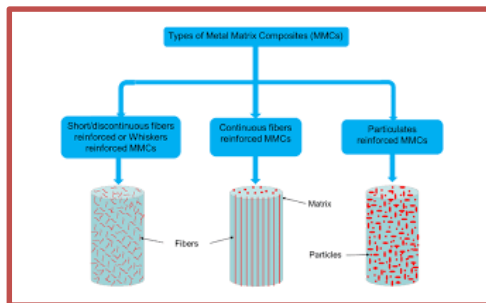
044 - 27454784 / 9150058051

thirugnanams.mech@srmvalliammai.ac.in



## Areas of Research

- Experimental Analysis of Hybrid Composite Materials
- Investigations on Tribology Characteristics
- Evaluation of Mechanical Properties on Fiber Reinforced Polymer Hybrid Composites
- Optimization of Stir Casting Process Parameters
- Analysis on Heat-Treatment Parameters of MMC



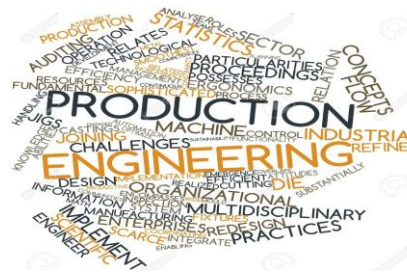
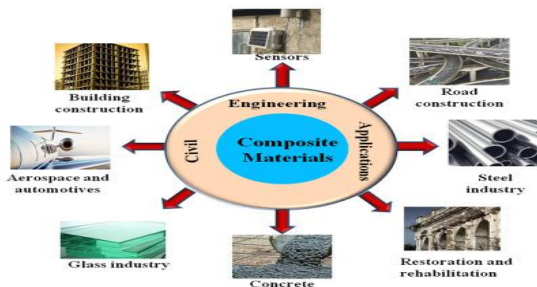


**Mr. G. ANANTH**  
**B.E., M.E., (Ph.D)**  
**Asst.Professor, Mechanical Engineering**  
 044 - 27454784 / 726, 27451498  
 ananthg.mech@srmvalliammai.ac.in



## Areas of Research

- **Composite Materials** - Material Characteristics, Machining, Alternative Materials
- **TPM** - Application of TPM in SMEs
- **Production Engineering**





## AREA OF RESEARCH

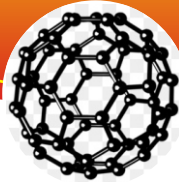
### Heat Transfer

- Heat Exchanger
- R & AC
- Thermal Energy Storage
- HVAC



### Nano Materials

- Phase Change Materials
- Nano Fluids
- Nano Additives
- Nano Coatings



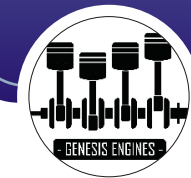
### Energy Studies

- Renewable Energy
- Bio-Diesel
- RCCI
- Alternate Fuels



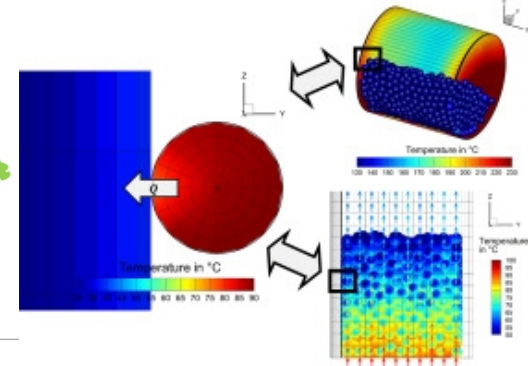
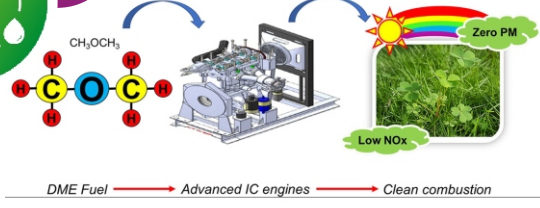
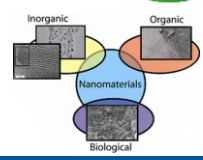
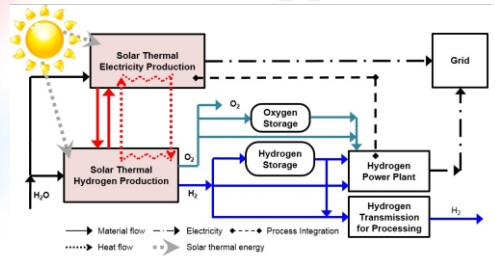
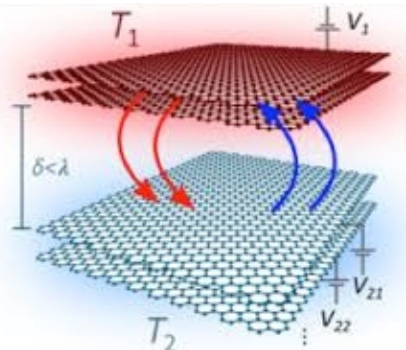
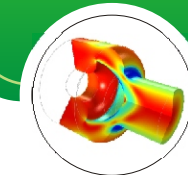
### IC Engines

- Performance & Emissions
- Combustions
- Spray Atomization



### Design & Analysis

- CFD Analysis
- Multi Phase Flows
- DEM Modelling
- Lattice Boltzman Method





# Mr. R. Ashok

Asst prof(Sr.g), Mechanical Engineering

Experience - 13 Years

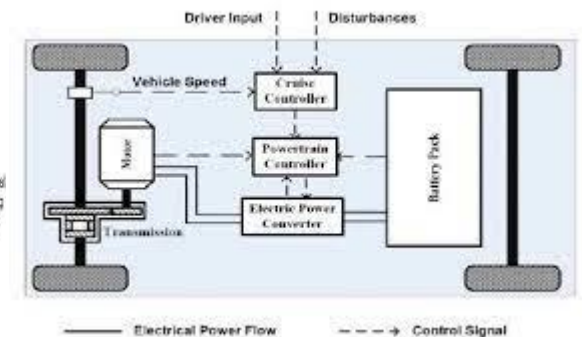
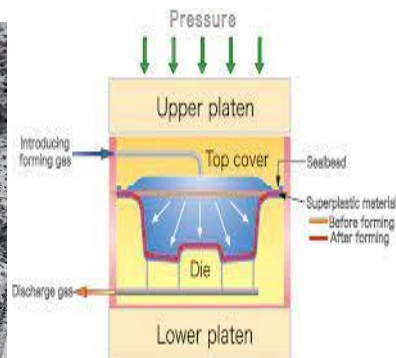
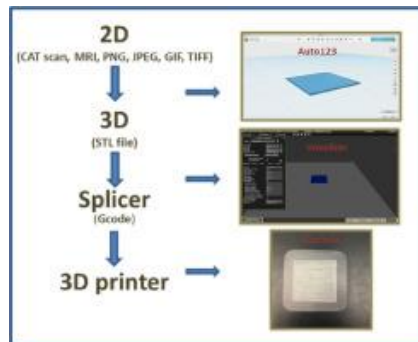
044 - 27454784 / 9944373787

ashokr.mech@srmvalliammai.ac.in



## Areas of Research

- Additive Manufacturing
- Metal foam
- Metal forming
- Power train in EV





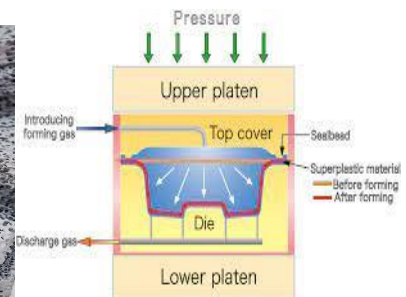
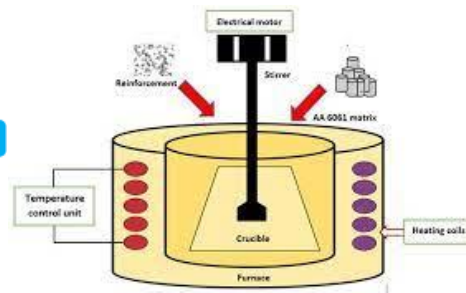
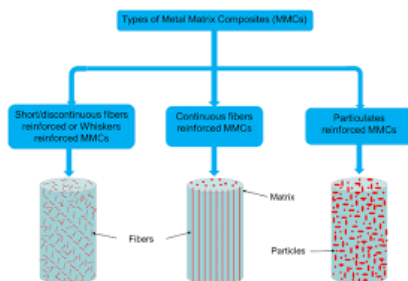


**Mr. S.Sivalingam (Ph.D)**  
Asst prof(Sr.g), Mechanical Engineering  
Experience 13 Years  
044 - 27454784 / 9750195828  
sivalingams.mech@srmvalliammai.ac.in



## Areas of Research

- Composite Materials
- Metal forming
- Superplasticity forming
- Metal foam



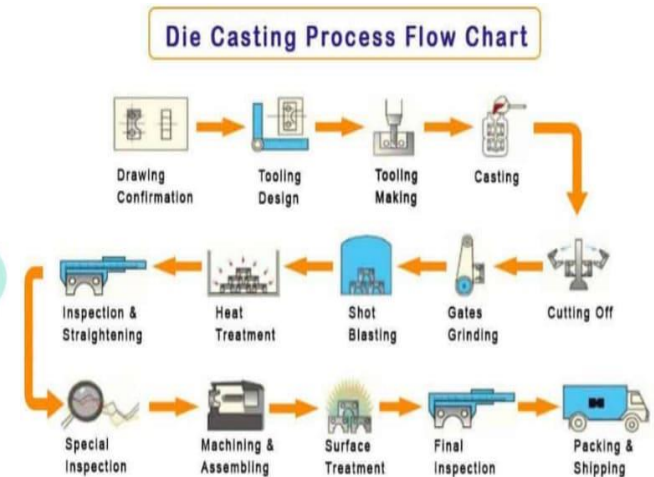
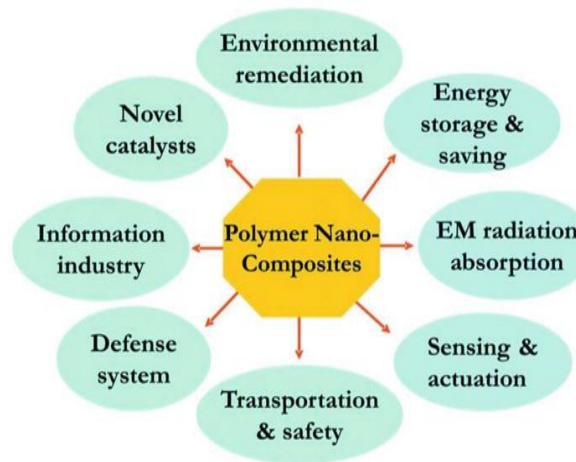


**Dr. K.Venkatesan B.E, M.E,PhD,**  
**Asst. Professor, Mechanical Engineering**  
 044 - 27454784 / 726, 27451498  
 Venkatesank.mech@srmvalliammai.ac.in



## Areas of Research

- **Manufacturing process** - Pattern making, Moulding, Casting method
- **Composite Materials** - Classification of Composite Materials, fabrication of composite, Application of Composite Material.
- **Nano Composite materials** - Nanocomposites (Metal Oxide and Polymer based), Carbon nano tubes and, Zeolites minerals





Mr.R.Srinivasan

B.E, M.E, (Ph.D)

Assistant Professor(Sr.G), Mechanical Engineering

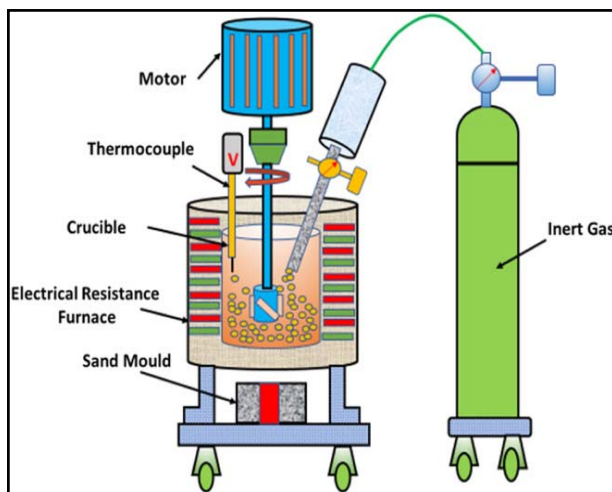
044 - 27454784 / 726, 9176912233

srinivasanr.mech@srmvalliammai.ac.in

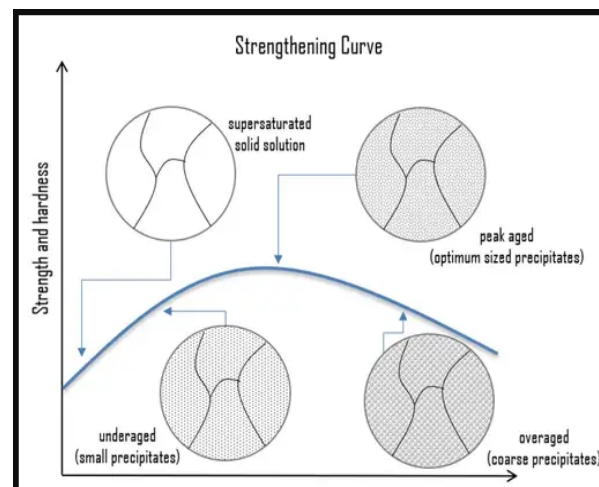


## Areas of Research

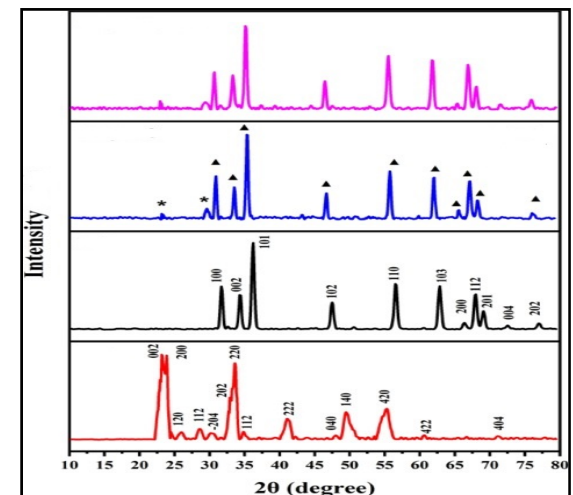
- Characterization of Metal matrix and Fibre Reinforced Composites.
- Tribological behavior of MMC.
- Study of effect of heat treatment on metal matrix composite.
- Real time experimental investigation of composite for automobile application.



Fabrication of MMC



Strengthening mechanism of MMC



Effect of temperature Analysis

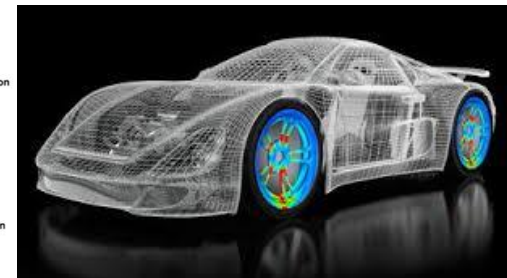
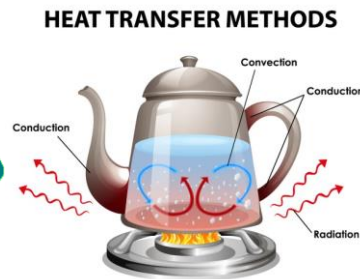
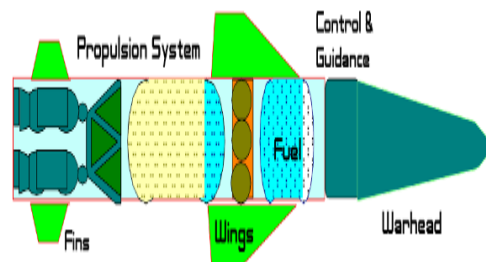
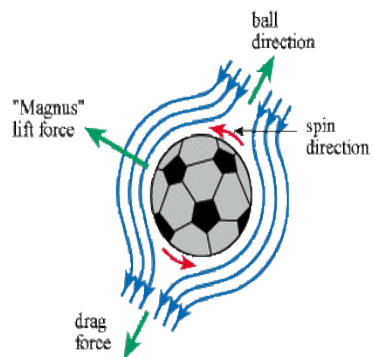


**Mr. J.P.Ramesh (Ph.D)**  
Asst prof(Sr.g),Mechanical Engineering  
Experience 12 Years  
044 - 27454784 / 9940909692  
rameshp.mech@srmvalliammai.ac.in



## Areas of Research

- Fluid Mechanics
- Aerodynamics
- Heat Transfer
- Vibrations
- Finite Element Analysis





# SRM VALLIAMMAI ENGINEERING COLLEGE

## Department of Mechanical Engineering

**Ms.N.NITHYA**, B.E(Mechatronics), M.E (Manufacturing Engg),  
Ph.D (Pursuing in Smart Fluid)

Mobile: +91 9788798448

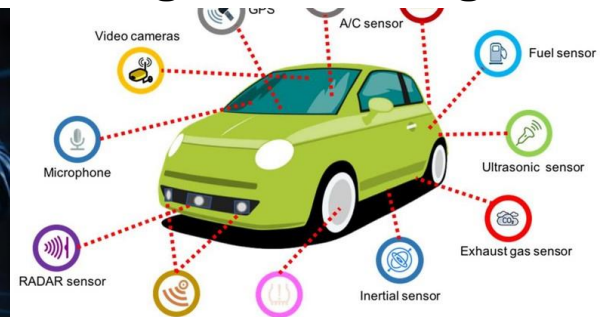
Email : [nithyan.mech@srmvalliammai.ac.in](mailto:nithyan.mech@srmvalliammai.ac.in)

**B.E - Thiagarajar College of Engineering, Madurai.**

**M.E - (GOLD MEDALIST) Alagappa Chettiar College of Engineering &  
Technology, Karaikudi.**

### AREAS OF RESEARCH

**Automation, Sensors and Transducers and Digital Image Processing**



# Digital Image Processing



Mr.T.Muthu Krishnan B.E., M.E., (PhD)

Assistant Professor, Mechanical Engineering

044 – 27454784 Extn:8201

muthukrishnant.mech@srmvalliammai.ac.in



### Areas of Research

## WELDING

MIAB Welding

Laser Welding

FSW

Testing of characterization  
Sample

Mechanical Testing of  
Samples

Optical  
Microstructure

EBSD, SEM &  
TEM

Micro Hardness  
Test

Tensile Test

Bending Test



**Mr. S. SIVASANKAR**  
**B.E., M.E., (Ph.D)**  
**Asst. Professor, Mechanical Engineering**  
044 - 27454784 / 726, 27451498  
sivasankars.mech@srmvalliammai.ac.in



## Areas of Research

- Digitalized of heat transfer equipment's
- Thermal energy storage systems
- Waste heat recovery systems



**Mr. K.P.Manikandan (Ph.D)**

**Asst prof(O.G),Mechanical Engineering**

**Experience 10 Years**

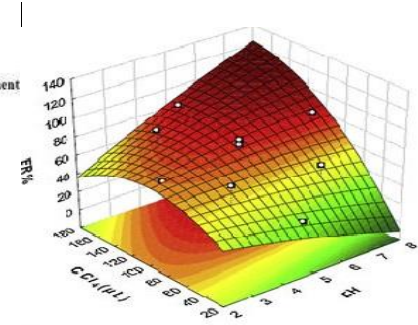
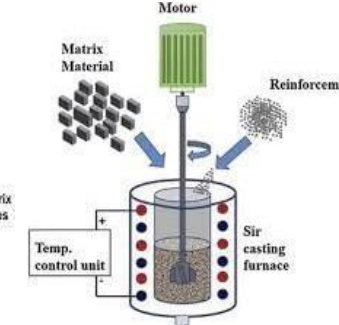
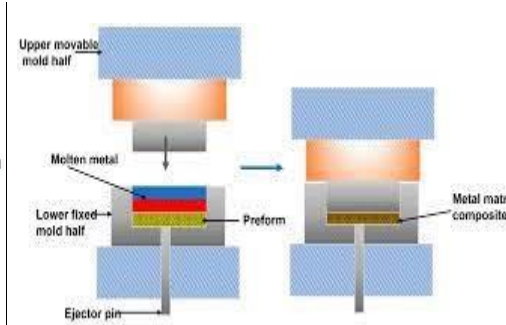
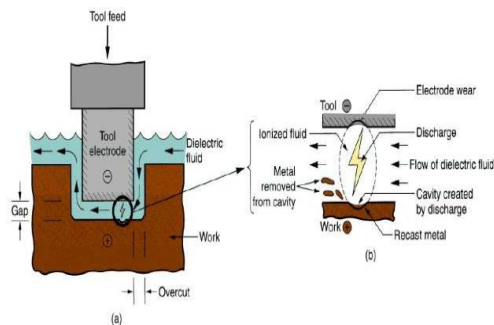
**044 - 27454784 / 8124544930**

**manikandanp.mech@srmvalliammai.ac.in**

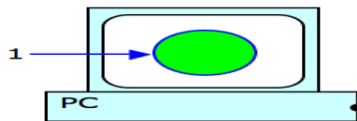


## Areas of Research

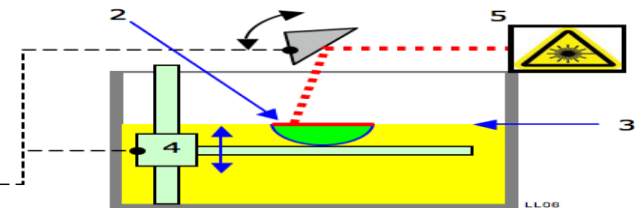
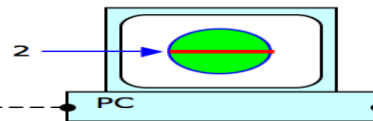
- Modern Manufacturing Processes
- Composite Materials
- Stir Casting Process
- Analysis of Variance(ANOVA) in Design of Experiments
- CAD /CAM



**CAD**



**CAM**







**G. RAJESH**  
**B.E, M.Tech, Ph.D (Pursuing)**  
**Assistant Professor, Mechanical Engineering**  
Ph: 9698976044,  
Mail ID: rajeshg.mech@srmvalliammai.ac.in



## Areas of Research

- Composite materials



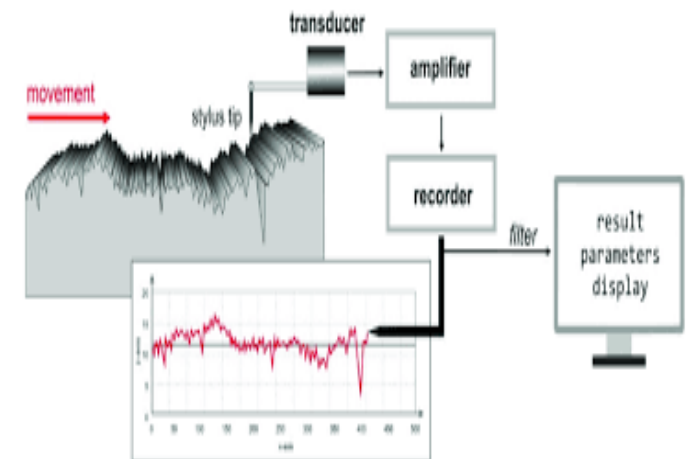
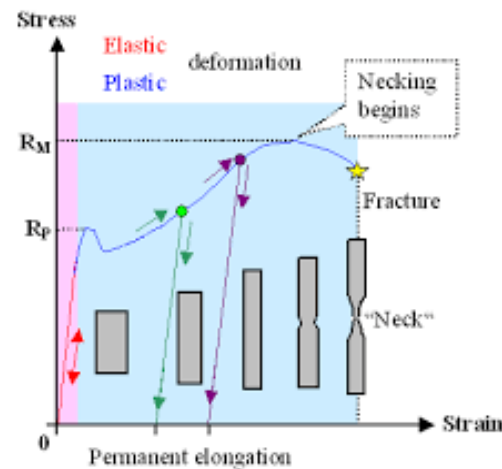
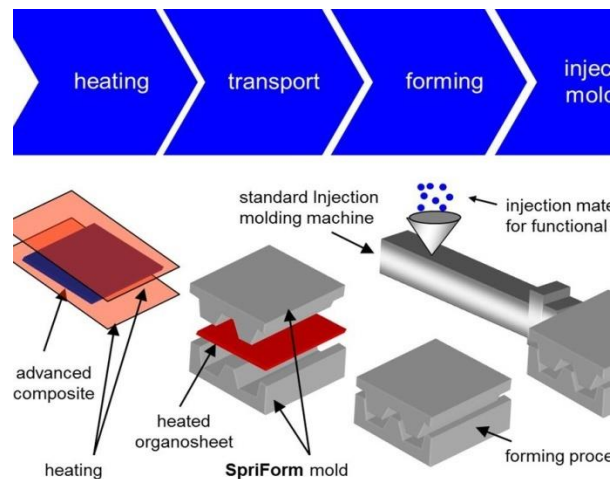


**Mr.P.Vijayan, ME**  
Asst prof(O.G), Mechanical Engineering  
Experience 10 Years  
044 - 27454784 / 8526603994  
vijayanp.mech@srmvalliammai.ac.in



## Areas of Research

- **Composite Materials**- Metal Matrix Composites (MMCs), Polymer Matrix Composites (PMCs), Glass Fiber Reinforced Polymers (GFRPs), Hybrid Composites, Ceramic Matrix Composites (CMCs), Natural Fiber Composites (NFCs), Carbon Fiber Reinforced Polymers (CFRPs)
- **Strength Testing**- Tensile Test, Compression Test, Flexural Test, Shear Test, Impact Test
- **Material Testing** - Mechinability Testing, Grindability Testing, Surface Roughness Testing





**Mr. G. Lokesh**

**B.E, M.E, MBA**

**Assistant Professor, Mechanical Engineering**

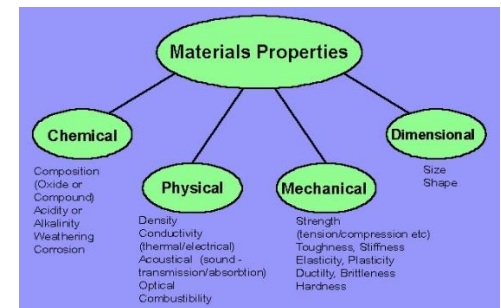
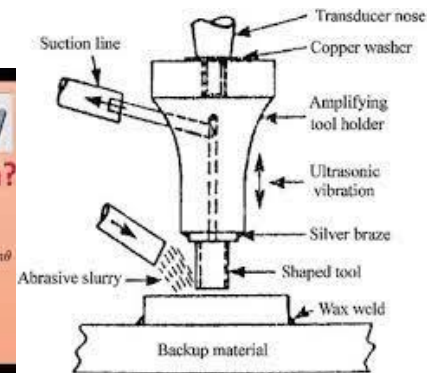
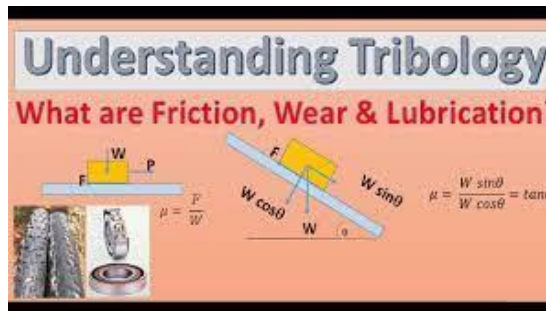
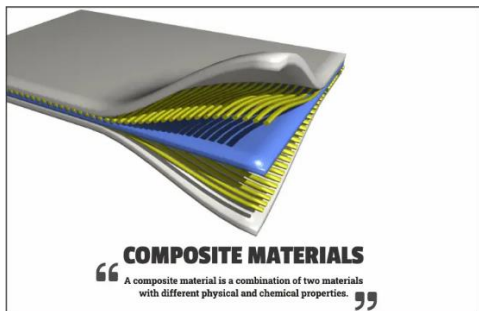
044 - 27454784 / 726, 27451498

lokeshg.mech@srmvalliammai.ac.in



## Areas of Research

- **Composite materials** – Casting of composite materials techniques, Powder Metallurgy
- **Tribology** – Corrosion, Wear, Friction
- **Machining Processes** – Water jet machining, Electro-Discharge Machining
- **Mechanical behaviour** – mechanical deformation, damage and failure under applied forces.





**Mr.M.VADIVEL (Ph.D)**  
**Asst Prof(O.G),Mechanical Engineering**  
**Experience 14 Years**

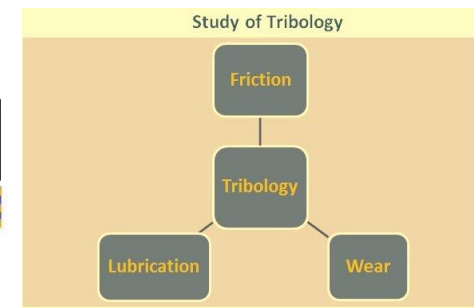
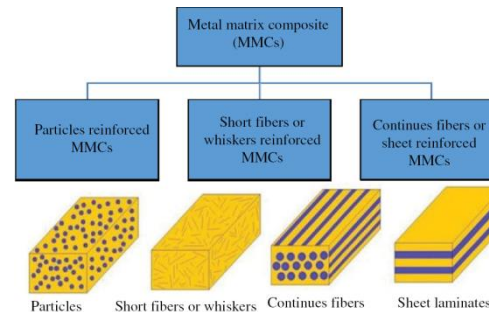
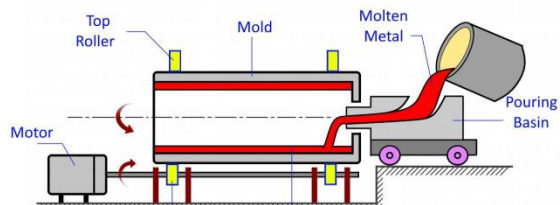
044 – 27454784 / 9942622365  
vadivelm.mech@srmvalliammai.ac.in



### Areas of Research:

- Functionally Graded Materials
- Tribology
- Characterization of Materials
- Optimization

### Centrifugal Casting Process







**Mr. P. RAMU B.E., M.E., (Ph.D.)**  
Asst. Professor, Mechanical Engineering  
044 - 27454784 / 9894399138  
ramup.mech@srmvalliammai.ac.in



## Areas of Research

- **Composite Materials** - Metal Matrix Composite Material Analysis
- **Finite Element Analysis** - Structural Analysis and Thermal Analysis
- **Micro Machining** - EDM, WJA and Laser Beam Machining

