

# ANALYSIS OF ALUMINIUM E-GLASS REINFORCEMENT FOR ITS IMPROVED DUCTILITY

## ABSTRACT

Aluminum matrix composites (AMCs) are potential materials for various applications due to their good physical and mechanical properties. They have the potential to replace the conventional materials because of obtaining superior properties such as high specific strength, high stiffness, high hardness, high wear resistance and low density. In the past three decades composite materials were playing a vital role in various sectors especially in aeronautical, avionics and automotive sectors. The present works dealt with the mechanical behavior of aluminum metal matrix reinforced with E glass powder particles in different mixture fractions were prepared by sand casting method.