

## Abstract Details

**Title:** To Design the Experimental Setup of Welding Joint Brass & Aluminium using Microstructural Behaviour

**Authors:** Rishant and Lalit Kumar

**Abstract:** Welding is fabrication process that joins (aluminum and brass) usually metals or thermoplastic, by causing coalescence. This is often done by melting the workpieces and adding a filler material to form a pool of molten material (the weld puddle) that cools to become a strong joint, with pressure sometimes used in conjunction with heat, or by itself, to produce the weld. This is contrast with soldering and brazing, which involve melting a lower-melting point material between the work pieces to form a bond between them, without melting the workpieces.

**Keywords:** Welding Phases, Conventional Procedure, Friction Welding.