

| S. No. | Title of Paper | Subject Keywords |
|--------|---|---|
| 1 | Buckling failures of pressure vessels | Buckling |
| 2 | Bursting of a silo | Rupture, hydrostatic pressure |
| 3 | Cyclic fatigue of polymer nanocomposites | Fatigue, Nanocomposites |
| 4 | Failure analysis of a fractured chain wrench | Fracture |
| 5 | Failure analysis of retrieved UHMWPE tibial insert | Wear, knee replacement, biomedical |
| 6 | Failure analysis of three uncemented titanium-alloy modular total hip stems | Hip Prosthesis, Fatigue, biomedical |
| 7 | Failure analysis of zirconia ceramic watch bracelet | Ceramics, fracture |
| 8 | Failure analysis on high temperature superheater Inconel 800 tube | Creep rupture, superalloys |
| 9 | Failure mechanisms and residual capacity of annealed glass-SGP laminated beams at room temperature | Glass composite, fracture |
| 10 | Failure of an epidural catheter | UV cracking, polymers, biomedical |
| 11 | Fatigue failure analysis of a leg press exercise machine | Fatigue, Cumulative Damage |
| 12 | Fatigue failure of the de Havilland comet I | Classic, fatigue fracture |
| 13 | Formula 1 Composites Engineering | Composite materials, griffith criterion |
| 14 | Fracture behaviour of thermosetting polymers for ophthalmic lenses | Fracture Mechanics, biomedical |
| 15 | Hydrogen-assisted stress cracking of high-strength | Axial and bending stress, fracture |
| 16 | Low-cycle fatigue of titanium 6A1-4V surgical tools | Low cycle fatigue, biomedical |
| 17 | Mechanical failure of thin brittle coatings | Brittle failure, Strain mismatch |
| 18 | Notch geometry effects in fatigue | Notch effects, fatigue |
| 19 | Strain-life and crack propagation fatigue data from several Portuguese old metallic riveted bridges | Fatigue, data collection |
| 20 | Total hip stem failure due to weld procedure and material selection misuse | Total hip arthroplasty, biomedical |
| 21 | What to look for in the aftermath of an explosion | Explosion, failure modes |
| 22 | Whirling failure in a woodworking lathe | Bending |