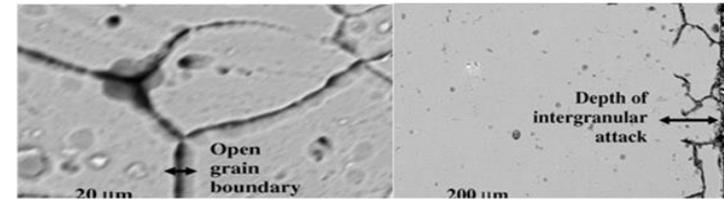


Experimental study of effect of high temperature corrosive glass on mechanical properties of alloy 690

- The objective of this work is to design of suitable test setup to load alloy 690 specimens in high temperature liquid glass environment and study the change in mechanical properties.
- For this purpose, specimens have been machined from alloy 690 (material of process pot and susceptor).
- Tests have been conducted for 42 to 120 hours of duration at different stress levels (20 to 50 MPa) and the test temperature is 800 to 900 deg. C.



Selective leaching of Ni and Cr from grain boundaries

