

Details of research work

Hydrogen storage properties of Zr & Mm based alloys

Hydrogen storage properties of Mg based composite materials

Design & Development of hydrogen storage devices

Kinetics, thermodynamics of hydrogen in alloy hydrides

Diffusion of hydrogen interstitials

Development of alloy hydride catalysts

Electrical resistivity studies of MH thin films

Hydrogen sensor applications

Alloys for Ni-MH battery applications



Diffusion of hydrogen in materials



**Metal hydride
Storage device**



Hydrogen absorption units



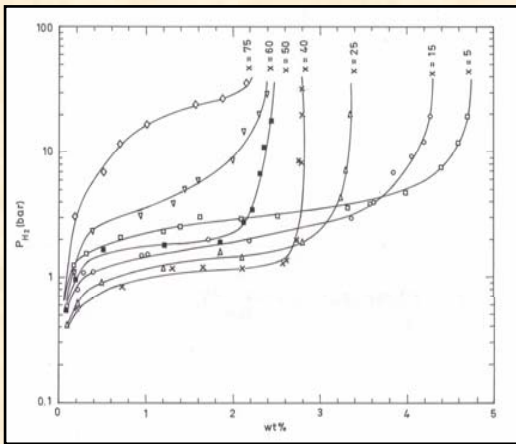
Ball milling facility



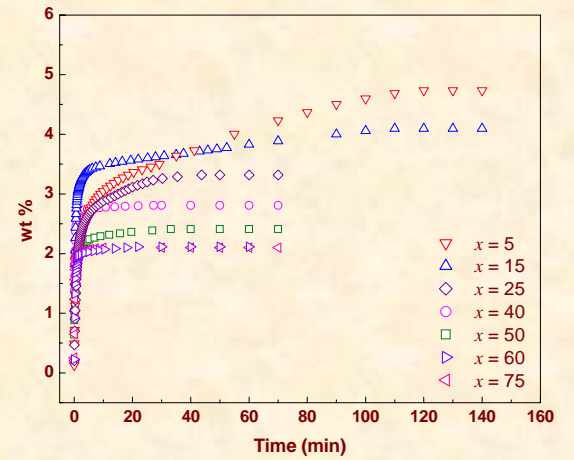
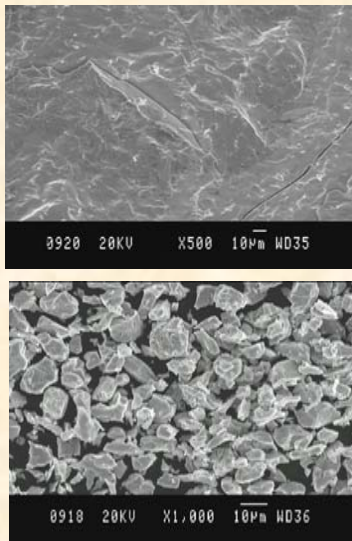
Electrical Conductivity studies



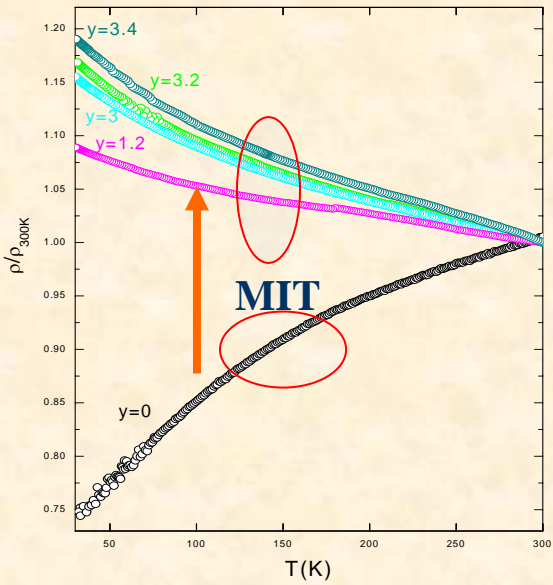
RF Sputtering unit



PC isotherm of Mg composite at 300°C



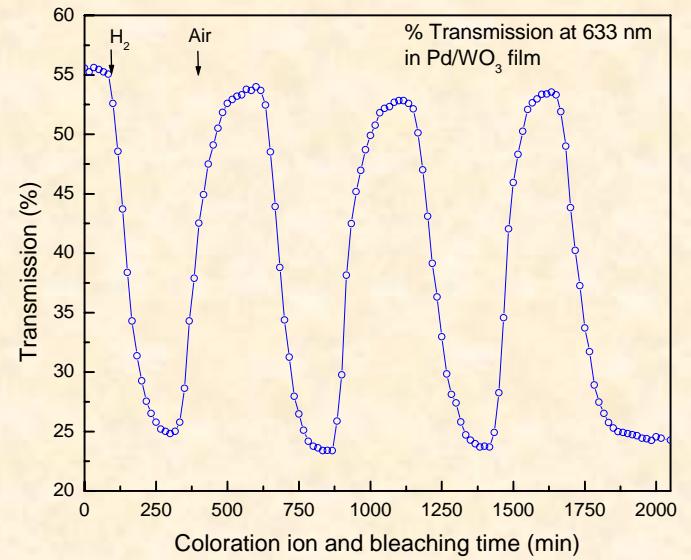
Kinetics of Mg composite



Temperature variation of resistivity



H₂ Storage device



Hydrogen sensor (WO₃ + Pd)