

Activities of Our Research Group

N.Gopalakrishnan/Phys/NIT-T



Fabrication of ZnO homo Junctions for LEDs applications





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Band Gap engineering in ZnO p-n Junctions by Cd and Mg doping









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N.Gopalakrishnan/Phys/NIT-T Thin film Laboratory

Fabrication of ZnO-AgInterdigitatedelectrode (IDE) Sensor by R.F. Sputtering





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Effect of Morphology on NH3 sensing in CuO:Cr nanostructures











Flexible CuO sensor on PET substrate by screen printing



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ZrO₂ nanostructure by Precipitation method for gas sensing



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Hydrothermal Synthesis of β -Ga₂O₃ for room temperature NH₃ sensing



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Nanofillers (ZnO, Ag & Ag-ZnO) Incorporated PSF/PVP Membranes for Water Purification



Schematic diagram of membrane separation



Dead end Ultra-filtration setup



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Metal Oxide Nanoparticles for Phosphor Converted White Light Generation





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Experimental investigation on the graphenelike 2D materials: Muscovite and Biotite





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