

## Table of Contents

PWM CONTROLLED DC-DC BOOST CONVERTER DESIGN AND IMPLEMENTATION .....	4
THE STUDY OF THE EFFECT OF THE MOULD PARAMETERS ON THE MOULDING FORCE IN THE DEEP DRAWING PROCESS OF DP600 MATERIAL .....	14
GRAIN DIFFUSION AND DISPERSION OF CLAYEY SOILS IN A CONSOLIDATION PHENOMENON .....	23
PITTING CORROSION BEHAVIOUR OF ST 37 STRUCTURAL STEEL IN SEVERAL CORROSIVE ENVIRONMENTS.....	33
OPTIMIZATION OF SPACING BETWEEN STAGGERED METAL HYDRIDE TANKS INTEGRATED FUEL CELL SYSTEM.....	49
NUMERICAL STUDY OF FLOW STRUCTURES WITHIN DIFFERENT CAVITIES USING LARGE EDDY SIMULATION.....	59
SIMULATION OF FLOW WITHIN THE DIFFERENT CAVITIES USING SST K- $\Omega$ TURBULENCE MODEL.....	79