

CONTENTS

Chapters	Description	Page No.
Chapter 1	Introduction	... 01
Chapter 2	Physico-Mathematical Background	... 11
Chapter 3	Newly Designed Slider Bearing with Inclined Pad Surface Including Effects of Porosity, Anisotropic Permeability, Slip Velocity at Both the Ends and Squeeze Velocity	... 29
Chapter 4	Comparative Study and Analysis of Newly Designed Squeeze Film Bearing of Different Shapes	... 46
Chapter 5	Newly Designed Double Porous Layered Axially Undefined Journal Bearing with Anisotropic Permeability, Slip Velocity and Squeeze Velocity	... 70
Chapter 6	Squeeze Film in Curved Porous Circular Plates with Various Porous Structures	... 81
Chapter 7	Lubrication of Porous Pivoted Slider Bearing with Slip and Squeeze Velocity	... 90
References		... 106
Published Papers		... 117
Presented Papers		... 118

