

## TABLE OF CONTENTS

	<b>Page</b>
<b>ACKNOWLEDGMENTS</b>	iii
<b>ABSTRACT</b>	iv
<b>LIST OF TABLES</b>	xiv
<b>LIST OF ILLUSTRATIONS</b>	xv
<b>ABBREVIATIONS</b>	xxi
<b>Chapter 1 Introduction</b>	1
<b>Chapter 2 Literature Survey</b>	3
2.1 Piezoelectricity	3
2.2 Piezoelectric Applications	8
2.2.1 Hydrophone Applications	9
2.2.2 Biomedical Imaging Application	12
2.3 Single Phase Piezoelectric Materials	16
2.3.1 Ceramic Piezoelectric Materials	16
2.3.1.1 Barium Titanate	17
2.3.1.2 Lead Zirconate Titanate	18
2.3.1.3 Lead Titanate	19
2.3.1.4 Lead Metaniobate	21



	<b>Page</b>
3.3 Characterization and Measurement Methods	67
3.3.1 Particle Size Analysis of PZT Powder	67
3.3.1.1 Sedimentograph	67
3.3.1.2 Scanning Electron Microscopy	68
3.3.1.3 Fourier Analysis	68
3.3.2 X-Ray Diffraction Analysis	72
3.4 Property Measurement of the Composites	74
3.4.1 Density Measurement	74
3.4.2 Polarization of Composite	75
3.4.3 Dielectric Properties	76
3.4.4 Piezoelectric Properties	77
3.4.5 Electromechanical Properties	78
3.4.6 Acoustic Impedance	82
<b>REFERENCES</b>	<b>85</b>
<b>Chapter 4 Results and Discussions</b>	<b>86</b>
4.1 Powder Characterization	86
4.1.1 X-Ray Diffraction Results	86
4.1.2 Determination of the Particle Size	92
4.1.2.1 Measuring by a Sedimentograph	92

	<b>Page</b>
4.1.2.2 Determination of the X-Ray Line Profile Using the Fourier Method	95
4.1.2.3 Measuring by Scanning Electron Microscopy	101
4.2 Properties of 0-3 Piezoelectric- Polymer Composites	108
4.2.1 Density	108
4.2.2 Scanning Electron Micrographs of Composites	113
4.2.3 Dielectric Properties	113
4.2.4 Piezoelectric Properties	126
4.2.5 Electromechanical Properties	129
4.2.6 Acoustic Impedance	130
<b>REFERENCES</b>	<b>134</b>
<b>Chapter 5 Conclusions</b>	<b>136</b>
5.1 Powder Processing and Characterization	136
5.2 Composite Processing and Characterization	137
5.3 Composite Density	138
5.4 Dielectric Properties of Composites	139

	<b>Page</b>
5.5 Piezoelectric Properties of Composites	140
5.6 Electromechanical Properties of Composites	141
5.7 Acoustic Impedance of Composites	141
5.8 Suggestions for future work	142
<b>REFERENCES</b>	144
<b>APPENDIX A Fourier Analysis Computer Programming</b>	145
<b>A.1 True Fourier Component Measurement Program</b>	145
<b>A.2 Complete Fourier Analysis of Line Broadening         Program</b>	151
<b>A.3 Particle Size and Microstrain Measurement         Program</b>	160
<b>A.4 Program to Save Data of Line Profile</b>	163
<b>A.5 Program to Change Data in Data File</b>	164
<b>APPENDIX B X-Ray Diffraction Pattern of PZT Powder</b>	165
<b>B.1 Line Profile of PZT Powder Calcined at         Temperature of 400-1300 °C.</b>	165
<b>B.2 XRD Line Profile of Peak (111) of PZT Powder         Calcined at Temperature of 400-1300 °C.</b>	175

	<b>Page</b>
<b>APPENDIX C</b>	185
<b>C.1 The Effect of Centrifuging</b>	185
<b>C.2 A Plot of <math>d_{33}</math> As A Function of Volume         Percentage of Ceramics.</b>	186
<b>VITA</b>	187

## LIST OF TABLES

Table	Page
2.1 Optimum transducer material properties for low and high frequency applications.	15
2.2 Electromechanical properties of ceramic piezoelectric materials.	23
4.1 JCPDS powder diffraction file <sup>1</sup> of PZT powder	88
4.2 The average particle sizes of PZT powder measured from SEM.	107
4.3 Density of the 0-3 composites.	109
4.4 Dielectric properties of the composite with different methods.	125
4.5 Piezoelectric properties of the composites.	128
4.6 Showing $k_p$ and $Q_m$ values of the composites.	130
4.7 Physical properties ( $c_L$ and $K$ ) of the composites.	132

## LIST OF ILLUSTRATIONS

Figure	Page
2.1 Schematic representation of piezoelectric response under the electric field E.	7
2.2 Ten different connectivity patterns of diphasic materials.	32
2.3 Schematic diagram of various piezoelectric ceramic-polymer composites.	33
2.4 Schematic diagram of 0-3 ceramic-polymer composite.	40
2.5 Maxwell-Wagner two-layer capacitor.	44
3.1 Schematic diagram of preparing the commercial 40/30 PZT powder.	60
3.2 Schematic diagram of preparing of $\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ mixed oxide powder	62
3.3 Schematic diagram of sample preparation using centrifuge method.	66
3.4 The poling apparatus.	75
3.5 Equivalent circuit of the piezoelectric material.	80



Figure	Page
3.6 The frequency profiles of the resonance mode of the piezoelectric material.	81
3.7 The apparatus for echo-shift measurement.	84
4.1 XRD of PZT powder annealed at several temperatures.	90
4.2 XRD pattern of the (100) and (001) peaks of PZT powder annealed at the temperature of 1000 °C, 1100 °C, 1125 °C, 1150 °C, 1175 °C and 1200 °C.	91
4.3 Particle size distribution curve of 40/30 PZT powder: a) sieved through mesh number 100 and b) sieved through mesh number 300.	93
4.4 Particle size distribution curve of mixed oxide PZT powder: a) sieved through mesh number 100 and b) sieved through mesh number 300.	94
4.5 X-ray diffraction pattern of the peak (111) of PZT powder annealed at different temperature	97
4.6 Variation of Fourier coefficient $I_{re}(t)$ with t of PZT powder annealed at the temperatures of 400 °C, 600 °C, 800 °C, 1000 °C and 1200 °C.	98

<b>Figure</b>	<b>Page</b>
4.7 Variation of fourier coefficient $I_{re}(t)$ with $t$ of PZT powder annealed at the temperatures of 500 °C, 700 °C, 900 °C and 1100 °C.	99
4.8 Particle size and microstrain of PZT powder as a function of annealing temperatures.	100
4.9 Scanning electron micrograph of PZT powder calcined at 400 °C.	102
4.10 Scanning electron micrograph of PZT powder calcined at 500 °C.	102
4.11 Scanning electron micrograph of PZT powder calcined at 600 °C.	103
4.12 Scanning electron micrograph of PZT powder calcined at 700 °C.	103
4.13 Scanning electron micrograph of PZT powder calcined at 800 °C.	104
4.14 Scanning electron micrograph of PZT powder calcined at 900 °C.	104
4.15 Scanning electron micrograph of PZT powder calcined at 1000 °C.	105

<b>Figure</b>	<b>Page</b>
4.16 Scanning electron micrograph of PZT powder calcined at 1100 °C.	105
4.17 Scanning electron micrograph of PZT powder calcined at 1200 °C.	106
4.18 Scanning electron micrograph of PZT powder calcined at 1300 °C.	106
4.19 The density of conventional PE and 40/30 PZT composites as a function of ceramic volume Percentage.	110
4.20 The density ceramic of centrifuging resin and 40/30 PZT composites as a function of volume percentage.	111
4.21 The density of centrifuging resin and mixed oxides PZT powder composites as a function of ceramic volume percentage.	112
4.22 Scanning electron micrographs of the composites prepared by conventional method: a) 50 vol%, b) 60 vol%.	114
4.23 Scanning electron micrographs of centrifuging the PZT (from mixed oxides) and resin composites:	

<b>Figure</b>	<b>Page</b>
a) 60 vol%, b) 65 vol%.	115
4.24 Scanning electron micrographs of centrifuging the 40/30 PZT and resin composites: a) 60 vol%, b) 65 vol%.	116
4.25 Scanning electron micrographs of PZT particles in the composites: a) mixed oxides PZT, b) 40/30 PZT.	117
4.26 The plot of dielectric constant as a function of the frequency of composites prepared by conventional method.	118
4.27 The plot of $\tan\delta$ as a function of the frequency of composites prepared by conventional method.	119
4.28 The plot of dielectric constant as a function of the frequency of mixed oxide PZT and resin composites prepared by centrifuge method.	120
4.29 The plot of $\tan\delta$ as a function of the frequency of mixed oxide PZT and resin composites prepared by centrifuge method.	121
4.30 The plot of dielectric constant as a function of the frequency of 40/30 PZT and resin composites	

<b>Figure</b>	<b>Page</b>
prepared by centrifuge method.	122
4.31 The plot of $\tan\delta$ as a function of the frequency of 40/30 PZT and resin composites prepared by centrifuge method.	123
4.32 The acoustic impedance (Z) plotted against volume percentage of PZT powder.	133

## ABBREVIATIONS

A	area
C	capacitance
$c_L$	longitudinal velocity
$c/a$	tetragonality
d	interplanar spacing
$d_h$	hydrostatic charge coefficient
$d_{ij}$	piezoelectric charge coefficient
$d_{33}$	piezoelectric charge coefficient
$d_h g_h$	hydrophone figure of merit
$E_i$	electric field
$f_p$	parallel resonance frequency
$f_s$	series resonance frequency
$f_m$	frequency at minimum impedance
$f_n$	frequency at maximum impedance
$f_r$	resonance frequency
$f_a$	antiresonance frequency
$g_h$	hydrostatic voltage coefficient
$g_{ij}$	piezoelectric voltage coefficient
$g_{33}$	piezoelectric voltage coefficient
K	dielectric constant

$K$	Bulk modulus
$K_{\alpha}$	radiation of K series
$k_p$	planar coupling coefficient
$k_t$	thickness coupling coefficient
$L$	column length
$P_i$	electrical polarization
PZT	Lead Zirconate Titanate
PVDF	Polyvinylidene Fluoride
$Q_m$	mechanical quality factor
$R_e$	resistive component
$R_1$	resistance of the series branch
$S$	reciprocal space vector
SEM	Scanning Electron Microscopy
$\Delta T$	time difference
$\tan\delta$	dissipation factor
$t$	thickness
Vol%	volume percentage fraction
$W_d$	dry weight
$W_w$	wet weight
$Z$	acoustic impedance
$\epsilon_r$	relative permittivity
$\epsilon_0$	permittivity of free space

$\varepsilon_{ij}$	mechanical strain
$\sigma_j$	mechanical stress
$\sigma_1, \sigma_2$	electric conductivity
$\theta$	Bragg's angle

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