CONTENTS		PAGE NO.
Chapter 1:	Introduction and Background	
1.1	Fuzzy set theory.	1
1.2	Operators on fuzzy topological spaces.	2
1.3	Functions between fuzzy topological spaces.	3
1.4 1.5	γ-operations in topological space. Some operations in fuzzy topological space.	6 7
Chapter 2:	Preliminaries and basic concepts.	
2.1 2.2	Introduction. Some definitions, notations and results.	9 9
Chapter 3:	γ - operations and its related topics in fuzzy topological s	pace
3.1	Introduction.	20
3.2	Fuzzy γ -operations and fuzzy γ -open set.	21
3.3	Fuzzy γ -closure and its properties.	25
3.4	Fuzzy γ-continuous mapping.	30
3.5	Fuzzy γ-compactness.	33
Chapter 4:	Functions with fuzzy γ -closed graphs and fuzzy γ -separa axioms.	itions
4.1	Introduction.	37
4.2	Fuzzy γ -closed graphs and its properties	38
4.3 4.4	Some closed and open function in fuzzy topological space Fuzzy γ -separations axioms	41 46
Chapter 5:	Fuzzy (γ , β)-Continuous mapping and fuzzy (γ , β)-closed mapping.	l (open)
5.1	Introduction.	49
5.2	Fuzzy (γ , β)-Continuous mapping.	49
5.3 5.4	Fuzzy (γ , β)-open mapping and (γ , β)-closed mapping. Fuzzy (γ , β)-homeomorphism	54 57
Chapter 6:	Bioperation-open sets and bioperation-continuous funct in fuzzy topological space	ions
6.1	Introduction	59
6.2	Fuzzy (γ, γ')-open sets and its properties	59
6.3	Fuzzy (γ, γ')-closures and its properties	63
6.4	Fuzzy (γ, γ') - separations axioms	69
6.5	Fuzzy [γ, γ'] -open sets and its properties	71
6.6	Fuzzy[γ, γ'] -closures and its properties	76
6.7	Fuzzy [γ, γ']-separations axioms	82
6.8	Fuzzy ([γ, γ'],[β, β']))-continuous functions	84
Conclusion		87
Bibliography		88