

SUMMARY AND
CONCLUSION

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Eversince the introduction of fuzzy sets by Zadeh [83], several authors have worked on this concept and the theory of fuzzy set has developed in many directions and is finding applications in a wide variety of fields.

In chapter 1, we have discussed fuzzy topological spaces, fuzzy neighbourhood of a fuzzy set and fuzzy compact spaces due to Chang [20].

Chapter 2 deals with Intuitionistic fuzzy topological spaces, Intuitionistic fuzzy continuous mappings, Intuitionistic fuzzy compact spaces and Intuitionistic fuzzy Hausdorff spaces of due to Dogan Coker [25].

In chapter 3, fuzzy rw-closed sets, fuzzy rw-open sets due to Benchalli et al. [16] are studied. Here some basic properties of fuzzy rw-closed sets and fuzzy rw-open sets are investigated.

Chapter 4 deals with fuzzy semi-pre-generalized closed sets due to Saraf et al. [67]. The concept of fuzzy semi-pre-generalized closed set is a generalization of fuzzy semi-pre-closed set in topological spaces. Properties and characterizations of these sets are studied.

In chapter 5, fuzzy g-p-continuous maps, fuzzy g-p-irresolute maps, fuzzy g-p-closed maps, fuzzy g-p-open maps and fuzzy g-p-homeomorphisms, their properties and characterizations due to Benchalli and Siddapur [15] are studied.

In chapter 6, intuitionistic fuzzy almost semi-Generalized closed sets, intuitionistic fuzzy almost semi-generalized closed mappings due to Shanthi et al. [62] are discussed. The notion of intuitionistic fuzzy almost semi-generalized closed mappings and open mappings are studied with the help of intuitionistic fuzzy semi-generalized closed sets. As applications intuitionistic fuzzy almost semi-generalized continuous maps and intuitionistic fuzzy semi-generalized closed mappings are studied.

These concepts can be extended to fuzzy minimal structure spaces.