**Abstract**

 The purpose of this thesis is to study some ideas on aspects of subclasses in univalent and bi-univalent function theory. This study of differential sandwich theorems of meromorphic univalent functions. We obtain some subordination and superordination results for certain normalized meromorphic univalent functions. We get also some sandwich theorems .We have also discussed the third-order differential subordination and superordination results of analytic functions defined by generalized operator. We derive some results by investigating appropriate classes of admissible functions. Sandwich type results will be noted. We have also given coefficient estimates for subclasses of bi-univalent functions. Here, we find two new subclasses of the class $∑ $consisting of analytic and bi-univalent functions in the open unit disk$ U$ and obtain the estimates on the Taylor-Maclurin coefficients$ \left|a\_{2}\right| $and$ \left|a\_{3}\right| $for functions in these subclasses. We also have dealt with the coefficient estimates for some subclasses of m-fold symmetric bi-univalent functions, we introduce two general subclasses$ H\_{\sum\_{}^{} \_{m}}\left(γ,μ,λ,η;α\right) $and $ H\_{\sum\_{}^{} \_{m}}\left(γ,μ,λ,η;β\right) $of $ ∑\_{m} $, consisting of analytic and m-fold symmetric bi-univalent functions, we obtain estimates on the initial coefficients$ \left|a\_{m+1}\right| $and$ \left|a\_{2m+1}\right|$. Also, we have discussed the subclasses of bi-univalent functions satisfying quasi-subordination. We derive two subclasses $Β\_{\sum\_{}^{} }^{q,ϕ}(γ,τ) $and$ Κ\_{\sum\_{}^{} }^{q}\left(λ,ϕ \right)$ of bi-univalent functions. We obtain the estimates of coefficients $|a\_{2}| $and $|a\_{3}| $for functions in these subclasses.