Basavarajeevanam is a popular text among the other medical books of Ayurveda in Andhra Pradesh. It also became known to Vaidyas of other parts of the country as a valuable therapeutic text book because of the efforts of pandit Govardhan Sharma Changani. Basavaraju apart from including classical herbs mentioned by his predecessors, incorporated an array of locally available herbs which is definitely a greater contribution to the science of Ayurveda. Keeping this in view, an effort has been made to re-identify the herbs mentioned by Basavaraju. For the purpose of re-identification of herbs the material mentioned in Sanskrit verses, Telugu verses and Parenthetical descriptions have been taken into consideration. Based on the observations made during the field study it can be concluded that Basavaraju introduced certain new herbs into the Ayurvedic Materia Medica. The botanical source for some of the herbs mentioned in Telugu verses and Parentheses have not been identified. The details about the observations made in this regard are discussed in this thesis.