Businesses operating in the tourism industry constantly obliged to keep the top spot of their quality of service to be able to fight with other competitors. Hotels in the tourism sector with a significant share can achieve a competitive advantage with adhering to customer-oriented policies and high quality service. For this reason, hotels should consider some criteria when deciding the tour operator. Therefore, determination of tour operators selected in according to what criteria and what weights has decisive importance in the evaluation of a multi-criteria decision-making-process. In this study, the severity of criteria when choosing the tour operator which are taken into account by a five-star hotel in Isparta was determined by AHP (Analytic Hierarchy Process). The weights obtained by AHP were used in Fuzzy TOPSIS (Technique For Order Preference By Similarity To An Ideal Solution) which is one of the multi-criteria decision making techniques to evaluate tour operators. Finally, the best tour operator for the hotel was identified.

**Keywords:** Multi Criteria Decision Making, AHP, Fuzzy TOPSIS, Tour Operator, Tourism Businesses