

## Abstract

**In this research a bioeconomics model is applied to study forest harvesting management in Gilan Province. Forest harvesting management in Iran usually focuses on economical purposes, while in some other countries biological purposes are also considered. Both purposes, ecological and biological are included in the model studied. Base on the results as the harvest age increase, the carbon sequestration decreases and CO<sub>2</sub> raises decreasingly. Moreover the model shows that when both biological and economical purposes are considered in the model the calculated present value is more than the case that only one of these purposes as included. Finally some policy implications and recommendations for further studies are presented.**

**Keywords: carbon sequestration, climate change, Saravan forest, Gilan**



University of Zabol  
Graduate school  
Faculty of Agriculture  
Department of Agricultural economics

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**Forest harvest management to deal with climate  
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(A case study: Gilan Saravan Sylvan Park)**

**Supervisor:**

Dr. Ahmad Ali keikha

**Advisors:**

Dr. Mahmoud Sabouhi

M.S. Alireza Sargazi

**By:**

Seyedeh Sedigheh Ahmadzadeh

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