



*Ain Shams University  
Girls' College for Arts, Science & Education  
Zoology Department*

# *Curative role of a natural product from marine animal on induced Arthritis in male albino rats*

## ***Thesis***

*Submitted in partial fulfillment of the requirements for the degree  
of Master of Science in Zoology.*

*To Zoology department – Girls' College – Ain Shams University*

***By***

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**2007**



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## ABSTRACT

The present study is an attempt to investigate the curative role of oral administration of dried sea cucumber on induced arthritis on male albino rats and its relation with anti-inflammatory drugs such as hostacortine orally induced.

Results were obtained from five experimental groups given dried sea cucumber or hostacortin in normal or rheumatoid arthritis (RA) rats induced by pristane. These were further compared with a normal control group.

This work involved different aspects of study namely, the morphological, histological, histochemical, radiological and densitometrical studies.

The present findings were then discussed in view of relevant literature available in similar fields of studies.

According to the present study it could be deduced that the administration of a natural product as sea cucumber is preferred to addition to the treatment with anti-inflammatory drugs such as hostacortin in RA patients. In addition suggestions for further studies were recommended.



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