

# Article Review Report



## Golden Research Thoughts

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### ORIGINAL ARTICLE

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### PROXIMATE COMPOSITION AND PRELIMINARY SCREENING OF SECONDARY METABOLITES FROM VARIOUS TISSUES OF PUFFER FISH AROTHRON STELLATUS FROM THOOTHUKUDI COAST



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### Correspondence to,



**Dr. P. J. Joslin**

Department of Zoology, St. Mary's College (Autonomous), Thoothukudi.

### Co - Authers



**S. Selvi**

Department of Zoology, St. Mary's College (Autonomous), Thoothukudi.



## REVIEW OF THE ARTICLE

### **Proximate Composition And Preliminary Screening Of Secondary Metabolites From Various Tissues Of Puffer Fish *Arothron Stellatus* From Thoothukudi Coast**

Dr. P. J. Joslin and S. Selvi

#### **ABSTRACT:**

The problem statement was clear and well articulated This study is to report the proximate composition of different parts, liver, skin, muscle and intestine of puffer fish *Arothron stellatus* as well as the screening of secondary metabolites namely alkaloids, steroids, alcoholic compounds, glycosides and amide group containing compounds from extracts of liver, skin, muscle and intestine of *A.stellatus*.

#### **INTRODUCTION:**

The introduction provides a good, generalized background of the topic that quickly gives the reader an appreciation Most of the marine organisms live in a hostile environment, having developed a well defence mechanism for their survival (Garson, 1989). The bio resources present in the marine ecosystem have potent bio molecules which includes many natural organic compounds. These organic compounds are reported to have biological activities like anti tumour, antimicrobial, analgesic etc. (Rajamanikandan et al., 2011).

#### **METHODOLOGY:**

The present study was exclusively realized on secondary data sources. It was purely descriptive type of research since it describes the facts relating to the problem. Specimens of puffer fish *A. stellatus* were collected from fishing harbor, Thoothukudi coastal area. They were kept in cold iced box and transported to the laboratory

#### **PRESENTATION OF RESULTS:**

The amount of data presented was sufficient and appropriate. Tables, graphs, or figures were used judiciously and agree with the text The present finding reveals that *A.stellatus* is a good source of proteins and lipids also contains some important bioactive compounds in the form of secondary metabolites. Further studies on the characterization of bioactive compounds from various parts of this puffer fish may provide new chemical compounds with pharmacological activities and also provide information regarding the safe consumption of puffer fish to the public.

#### **REFERENCES:**

Prior publication by the author(s) of substantial portions of the data or study was appropriately acknowledged.

#### **RELEVANCE:**

The paper is properly organized and demands appreciation. I think the paper will satisfy the interest of the readers.

## FUTURE RESEARCH SCOPE:

1. Career For Faculty (<http://academicprofile.org/Professor/CareerForFaculty.aspx>)
2. Academic Plan (<http://academicprofile.org/Professor/AcademicPlan.aspx>)
3. Regarding Professor Promotion (<http://academicprofile.org/Professor/regardingPromotion.aspx>)
4. Fellowship for Post Doctoral (<http://academicprofile.org/Professor/FellowshipForPD.aspx>)
5. Online Course on Research (<http://onlineresearch.in/Default.aspx>)

## SUMMARY OF ARTICLE

		Very High	High	Average	Low	Very Low
1.	Interest of the topic to the readers	✓				
2.	Originally & Novelty of the ideas		✓			
3.	Importance of the proposed ideas			✓		
4.	Timelines		✓			
5.	Sufficient information to support the assertions made & conclusion drawn	✓				
6.	Quality of writing(Organization, Clarity, Accuracy Grammer)			✓		
7.	References & Citation(Up-to-date, Appropriate Sufficient)		✓			

### Future Research Suggestions

This Article can expand further research for MINOR/MAJOR Research Project at UGC

