Article Review Report

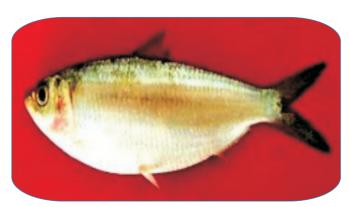**ORIGINAL ARTICLE**

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ASSESSMENT OF HEAVY METAL DISTRIBUTION OF COASTAL WATER OF THOOTHUKUDI – GULF OF MANNAR

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REVIEW OF THE ARTICLE

Assessment Of Heavy Metal Distribution Of Coastal Water Of Thoothukudi – Gulf Of Mannar

Hermalin. P[1] and Dr. M. Glory [2]

ABSTRACT:

The problem statement was clear and well articulated Water samples collected from five different locations falls along Thoothukudi coast were subjected to study trace metal distribution and associated physic chemical parameters such as pH, acidity, alkalinity, salinity, dissolved oxygen. Nutrient parameters such as nitrogen, phosphorous, calcium, magnesium also measured using standard procedure. The heavy metal distribution level was analyzed based on APHA method using Atomic Absorption Spectrophotometer.

INTRODUCTION:

The introduction provides a good, generalized background of the topic that quickly gives the reader an appreciation The increasing interest in quantification of heavy metals and the assessment of their potential hazard to environment has come as a result of growing public awareness on impact of industrial development and urbanization. The coastal zones enriched with biodiversity became the site of urbanization and industrialization let out various contaminants particularly heavy metal rich effluents. These contaminants reached to coastal compartments via rivers, and get settled to produce biological effects.

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. Surface water from fifty different locations of 5 different stations along the mangrove ecosystem was collected during Pre monsoon, 2014. The collected water samples in the pre cleaned acid washed poly ethylene bottles were refrigerated at 4ºC until further analysis.

PRESENTATION OF RESULTS:

The amount of data presented was sufficient and appropriate. Tables, graphs, or figures were used judiciously and agree with the text This study provides information on some physic – chemical parameters with reference to heavy metal distribution from five different stations along Thoothukudi coast. The nutrient parameters such as nitrogen, phosphorous, calcium and magnesium were sustancially high compared to permissible limit in coastal water as stated by WHO.

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