



# Certificate

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## Golden Research Thoughts

This is to certify that our Editorial, Advisory, and Review Board Accepted Research Paper of Dr./Shri./Smt.: **S. Elumalai and A. Mohamed Halith** Topic:- **Studies On Microalgal Diversity, Arsenic (as) Concentration And Physiochemical Parameters In Different Water Habitats From West Bengal, India** College:- **Plant Biology & Biotechnology, Presidency College (Autonomous), Chennai.** The Research paper is Original & Innovative it is Done Double Blind Peer Reviewed. Your Article is Published in The Month of **June** Year 2014.



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## Article Review Report



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<b>STUDIES ON MICROALGAL DIVERSITY, ARSENIC (As) CONCENTRATION AND PHYSIOCHEMICAL PARAMETERS IN DIFFERENT WATER HABITATS FROM WEST BENGAL, INDIA</b>	
	
	

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## ABSTRACT:

The present investigation has been carried out to study the algal diversity, arsenic concentration and to analyze the physiochemical parameters in different water resources of West Bengal, India. Several microalgal spp. found in sampling sites were microscopically identified and recorded. The microalgal species were compared with respect to the arsenic concentration.

**Abstract Report:** The Title Accurately Said The Study was About.

## INTRODUCTION:

The Schiff bases and their metal complexes have wide applications in biological systems, biochemical processes, polymers, dyes, homogeneous catalysis, synthetic – structural research etc. Schiff bases and their metal complexes have aroused considerable attention, mainly because of preparative accessibility and structural variability (1, 2) Schiff bases play an important role in both synthetic and structural research.

**Introduction Report:** This Article Include Full Introduction, Methods, Results & Introduction Section.

## METHODS & MATERIALS:

Totally twenty nine (29) water samples were collected from river, pond and ground waters of 4 districts (Hooghly, Howrah, Kolkata and South 24 Parganas) of West Bengal, India. Ground water samples were taken from tube wells. Microalgal samples also were collected in collection tubes from the water sampling sites. The samples were collected at the month of January, 2014. Random sampling method was carried out throughout the study.

**Methods & Materials Report:** Tables/Boxes/Diagram & Images are Used to Explain Specific Points or Background Information. Figures That The Plotted Parameters are Clearly Mentioned.

## RESULT:

The microalgal samples and water samples are collected from 29 different places of Howrah, Hooghly, Kolkata and South 24 Parganas, West Bengal, India. The following figure showing the sampling sites of West Bengal, India. The Arsenic concentration was analyzed in all the samples collected from different places of West Bengal, India. The arsenic concentration was ranged from 0.05 to 3.0.

**Result Report:** Figures are Imported to Provide Explanation for Background Information. Conclusion of This Paper Clearly Supported Results.

## DISCUSSION:

According to the World Health Organization (WHO), arsenic has been responsible for the largest mass poisoning of a population in history (Smith, Lingas, and Rahman, 2000). Pollution by arsenic occurs naturally through the dissolution of minerals and ores, and concentrations in groundwater in some areas are elevated as a result of erosion from local rocks (McArthur et al., 2001). West Bengal has extremely rich natural water resources. Most of the people in West Bengal are drinking arsenic contaminated water above the permissible limit (0.01 mg/L).

**Discussion Report:** The Text is Rounded off with a Conclusion that Discusses the Implication of The Findings & Ideas Discussed & Their Impact on Future Research Direction.

## REFERENCES:

- Argos M, T Kaira, P Rathouz, Y Chen, B Pierce, F Parvez, T Islam, A Ahmed, M Rakibuz-Zaman, R Hasan, G Sarwar, V Slavkovich, A van Geen, J Graziano, and H Ahsan, 2010. "Arsenic exposure from drinking water, and all-cause and chronic-disease mortalities in Bangladesh (HEALS): A prospective cohort study". The Lancet, 376 (9737), 252 - 258.
- Astolfi E, Maccagno A, Fernandez J.C.G, Vaccara R and Stimola R, 1981. "Relation between arsenic in drinking water and skin cancer". Biological Trace Element Research. 3, 133-143.
- ATSDR, 2005. "Toxicological Profile for Arsenic". Agency for toxic substances and disease registry (ATSDR), U.S. Department of Health and Human Services, Atlanta, GA.

**Reference Report:** There are Places where the Author S. Elumalai and A. Mohamed Halith Need to Cite a Reference, but Have Not

## RECOMMENDATIONS:

**Abstract Report:** Introduce New Regular For Content & Communication.

## SUMMARY OF ARTICLE:

	Very	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)		✓			

**This Article is Innovative & Original, No Plagiarism Detected**

## Future Research Suggestions

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



## Future Research Planning :

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>)

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