



Republic of the Philippines  
**SURIGAO STATE COLLEGE OF TECHNOLOGY**  
Narciso Street, Surigao City



"For Nation's Greater Heights"

30 May 2022

**DR. GREGORIO Z. GAMBOA, JR.**  
SUC President III  
This College

Dear Sir:

Greetings of good health and well - being!

The International Affairs Office (IAO) would like to endorse to your office the research paper entitled *Edaphic and Physico-chemical Parameters of Mangrove Forest in Brgy. Nabago, Surigao City*, authored by BSES students namely, Julito M. Cordita and Ana Lena L. Gajol and co-authored by Ms. Rosalia L. Hugo has been accepted for oral presentation in the IX. International Istanbul Scientific Research Congress on May 14 - 15, 2022 via Zoom online platform.

To make their participation possible, the IAO would like to request for an issuance of memo to officially document their participation to the said event. Attached in the acceptance letter and the research paper abstract.


May this request merit your kind consideration and approval.

Thank you very much.

Sincerely,

Noted by:

  
**LOUELLA S. DEGAMON**  
Director, International Affairs Office

  
**RUEL T. BUBA**  
Director, Research Development

Recommending Approval:

Approved: \_\_\_\_\_, 2022

**MAURICIO S. ADLAON**  
Vice – President, RDE

**GREGORIO Z. GAMBOA, JR., EdD**  
SUC President III



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# SURIGAO STATE COLLEGE OF TECHNOLOGY

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Page No.	1 of 1

## RECOMMENDATION FORM FOR INTERNATIONAL ACTIVITY

Date of Recommendation: May 10, 2022

Campus: City

Type of International Activity:	<input checked="" type="checkbox"/> Conference/Congress/Convention/Forum <input type="checkbox"/> Immersion <input type="checkbox"/> Seminar/Webinar <input type="checkbox"/> Short Course/Program <input type="checkbox"/> Others, pls. specify: _____	
Title of the International Activity:	<u>International Istanbul Scientific Research Congress</u>	
Date of the International Activity:	<u>May 14-15, 2022</u>	
Mode of Delivery:	<input type="checkbox"/> Face – to – Face <input checked="" type="checkbox"/> Online <input type="checkbox"/> Hybrid	
Nature of Involvement:	<input checked="" type="checkbox"/> Participant <input type="checkbox"/> Facilitator/Organizer/Moderator <input type="checkbox"/> Speaker <input type="checkbox"/> Research Paper Presenter <input type="checkbox"/> Others, pls specify: _____	
Mode of Participation:	<input type="checkbox"/> With registration fee (pls specify the amount: _____) <input checked="" type="checkbox"/> Free	
List of Recommendees	Designation (Faculty/Staff/Student)	e-mail address/ Contact Number
Mr. Raulito L. Hnogo	Faculty	rhugo@ssct.edu.ph

Prepared by:

RONITA E. TALINGTING, PhD  
SURIGAO CITY CAMPUS DIRECTOR

Campus Director





IX. INTERNATIONAL ISTANBUL  
SCIENTIFIC RESEARCH  
CONGRESS

LETTER OF ACCEPTANCE

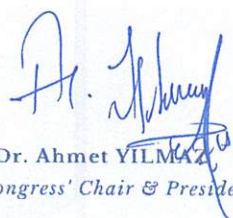
10.05.2022

DEAR JULITO M. CORDITA JR;

We are delighted to announce that your "EDAPHIC AND PHYSICO CHEMICAL PARAMETERS OF MANGROVE FOREST IN BRGY. NABAGO, SURIGAO CITY" study, which you submitted to present orally at the IX. International Istanbul Scientific Research Congress on May, 14-15, 2022 has been accepted by our referees.

The paper you will present orally at our congress will be published in the proceedings book of our congress.

If you would like your paper to be published as a book section, please report it by e-mail until May 15, 2022.

  
Dr. Ahmet YILMAZ  
Congress' Chair & President

  
Dr. Özerk YAVUZ  
Organization Committee Member



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ANNAMALAI UNIVERSITY



CONTACT

Mail: [internationalistanbulcongress@gmail.com](mailto:internationalistanbulcongress@gmail.com)  
Office: +90(543) 671 0123 & +90 (530) 139 74 89  
<https://www.internationalistanbulcongress.com>

# **EDAPHIC AND PHYSICO CHEMICAL PARAMETERS OF MANGROVE FOREST IN BRGY. NABAGO, SURIGAO CITY**

***Julito M. Cordita jr, Ana Lena L. Gajol, Rosalia L. Hugo***

***Bachelor of Science in Environmental Science, Surigao State College of Technology, Surigao  
City, 8400, Caraga, Philippines  
agajol@ssct.edu.ph***

## **ABSTRACT**

This paper presents the Edaphic and physico chemical parameters of mangrove forest in Brgy. Nabago, Surigao City. A total of 3 stations with 3 transect in each stations and 5 plots in every transect with 10x10 m quadrat were studied. In each quadrat, 0-15cm, 15-30cm, 30-50cm, and 50-100cm of soil were obtained using corer for laboratory analysis. Composite soil sampling method was used to determine the phosphorus and soil texture through jar test method, which determined sand, silt, and clay. Water quality was determined by the used of a multiparameter checker, where 3 trials were considered. Moreover, Anova analysis of variance was used to determine the signifant differences between physico chemical parameters of soil and physico chemical parameters of water in 3 sampling stations. Both 3 stations of soil pH was acidic. Phosphorus are low and organic matter are high because of decomposition of falling mangrove leaves. Soil in station 1 and 2 consisted mostly of loam soil, while in station 3 mostly reported of no data. Base on DAO 2016-08 Class SA the physico chemical parameters of water was above the required range while temperature was within the range. However there is a significant difference among the three sampling stations in terms of the physico chemical parameters of soil and physico chemical parameters of water. Dwellers among the area should be oriented on the importance of mangrove forest to minimize the direct and indirect impact.