# JOURNAL OF THE MYANMAR ACADEMY OF ARTS AND SCIENCE



## **Botany and Marine Science**

Vol. XVIII, No.4B, July, 2020

## **Myanmar Academy of Arts and Science**

### Journal of the Myanmar Academy of Arts and Science

## Vol. XVIII, No.4B

#### Contents

### Section(i) Botany

<u>Sr.</u> <u>No.</u>

#### <u>Title</u>

1	<b>Htay Htay Myint,</b> Study on Morphological, Phytochemical Investigation and Antimicrobial Activities Of <i>Saraca Indica L. (Thaw-Ka)</i>	1
2	Yee Yee New, Phytochemical Investigation into Leaves of <i>Elsholtzia</i> Blanda (Benth.) Benth. and its Antimicrobial Activity	11
3	<b>Ei Khaing Thwe,</b> Effects of Plastic Mulching on Growth, Yield and Cost and return analysis of <i>Capsicum annuum</i> L. var. <i>annuum</i> cv. <i>accuminatum</i>	23
4	Fingerh. <b>Thida Than</b> , Isolation and Fermentation Conditions of Selected Soil Fungus TT-27 between Yenanchaung and Magway Township, Magway Region	33
5	<b>Phyu Phyu Aung,</b> Isolation and Fermentation Conditions of Soil Fungus PP-15 from Gawechaung Fort	45
6	<b>Thida Cho,</b> Taxonomic Study on Twelve Species of Family Fabaceae from Nat Yay Gan Mountain Area in Ngaphe Township	59
7	Khin Nilar Oo, Isolation and Morphological Characterization of Fungi from Beikthano Ancient City and their Antimicrobial Activity	73
8	Nwe Ni Tin, Pollen Morphology, Phytochemical Test and Antimicrobial	85
9	activities of Tea Leaves Found in Wan Saing Village, Kyaing Tong <b>Moe Moe Win</b> , Isolation, Identification of Bacteria from Mangrove Soil and their Antimicrobial Activity	97
10	<b>Mya Min Min Myo</b> , Cultural Character and Antimicrobial Activities of Isolated Fungi from Soil samples of Belu-Gyun, Chaung-Zon Township, Mon State	107
11	Myo Htaik Aung, Cultural Characteristics and Antimicrobial Activities of Endophytic Fungi from Leaves of Twelve Medicinal Plants	121
12	Mai Bawi Nuam Thein, A Preliminary Study on the Antimicrobial Activities of Isolated Soil Fungi from Tha-Beik-Kyin Area	135
13	<b>Hnin Thiri Lwin</b> , Isolation and Antimicrobial Activity of Actinomycetes from Chaung-Tha Area and Biochemical Characterization of Selected <i>Streptomyces</i> (TR-2)	145
14	Ohnmar Htwe (Pakokku University), Comparative Pollen Morphology of Ten <i>Grewia</i> Species	159
15	<b>Ohnmar Htwe(Yadanabon University),</b> Taxonomic Study on Ten Wild Mushrooms from Hopone and Hsihseing Townships in Southern Shan State	171
16	Myat Myat Phyo, Isolation of Soil Fungi from Mudon Township, Mon State and Their Antimicrobial Activity	183

<u>Sr.</u> <u>No.</u>	<u>Title</u>	<u>Page</u>
17	<b>May Thazin Aung,</b> Isolation and Characterization of <i>Rhizobium</i> from Root Nodules of <i>Arachis Hypogaea</i> L. (Groundnut)	197
18	Thet Su Hlaing, Phytochemical and Antimicrobial Investigation on Leaves of <i>Averrhoa Bilimbi</i> L.	211
19	Khin Khin Phyu, A Study on Green Algae Species in Dagon Myothit (East) Township, Yangon Region	223
20	<b>Moe Sandar Shein,</b> The preliminary study on some native orchids in East Bago Area	237
21	<b>New Oo,</b> Comparative Morphological and Histological studies of <i>Talinum triangulare</i> (Jacq.) Willd. and <i>Talinum paniculatum</i> (Jacq.) Gaertn. (Myanmar Ginseng)	253

#### Journal of the Myanmar Academy of Arts and Science

#### Vol. XVIII, No.4B

#### Contents

#### Section(ii) Marine Science

#### <u>Sr.</u> <u>No.</u>

#### **Title**

Page

1	<b>War War Soe*,</b> Abundance and Diversity of Polychaetes in the Intertidal Zone of Myeik Coastal Areas	267
2	Khin Thandar Lin, Isolation of Pigmented Fungus from <i>Lobophora Variegata</i> (J.V.Lamouroux) and Extraction of Antibacterial Activity Against on <i>Escherichia Coli</i> Ahu 5436	281
3	<b>Myat Thwe Myint Aung,</b> Determination of Nitrogen Fixing Rate at the Rhizospheric Sediment of Mangrove Forest in Shwe Thaung Yan Mangrove Forest, Myanmar	291
4	<b>S Aung Myo Htay</b> Isolation and Screening Antibacterial Activity of Endophytic Fungi Derived from Two Marine Sponges Against <i>Escherichia</i> <i>Coli</i>	303
5	Naung Naung Oo, Brachionid Rotifer of Ye River Mouth in Southern Mon Coastal Water	315
6	Zarni Ko Ko, Length-Weight Relationship and Condition Factor of Some Commercial Fish Species from Kyaikkhami Fish Landing Center, Mon Coastal Area	327
7	Myo Min Tun, Study on the Fishery Status of Coach Whipray, <i>Himantura Uarnak</i> at Two Fish Landing Sites of Mon State	335

8 **Yin Yin Htay,** Study on Some Phytoplankton of Maung Ma Kan Beach, 345 Longlone Township, Tanintharyi Region, Southern Myanmar Edition

2020, July, 500 Copies

**Copyright** Ministry of Education

#### Published by

Dr Aung Min (00322) Chairman, Journal Publication Committee, Myanmar Academy of Arts and Science

ISSN 2520-0186 LCCN 2003-323143

#### Printed by

U Win Aung (00171), Manager, Universities Press, Yangon, Myanmar