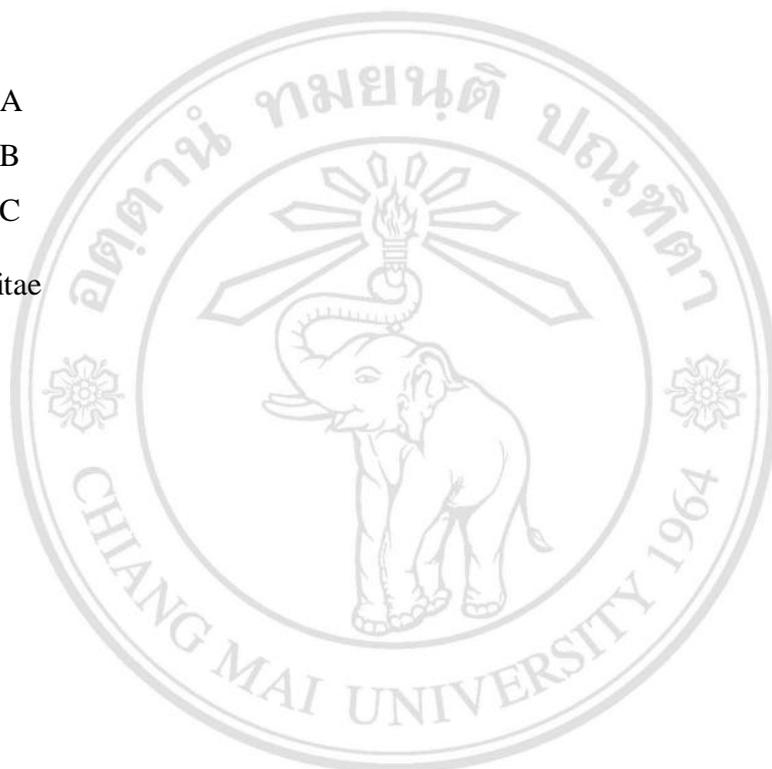


CONTENTS

	Page
Acknowledgements	c
Abstract in Thai	e
Abstract in English	g
List of Tables	l
List of Figures	n
List of Abbreviations	p
Statement of Originality in Thai	r
Statement of Originality in English	s
Chapter 1 Introduction	1
1.1 Objectives	2
Chapter 2 Literature review	3
2.1 General characteristics of actinomycetes	3
2.2 Distribution of actinomycetes in natural habitats	4
2.3 Study of edible freshwater macroalgae	8
2.4 Isolation of actinomycetes	10
2.5 Identification and classification of actinomycetes	14
2.6 Revealing diversity	19
2.7 Phylogenetic analysis	20
2.8 Clone library	23
2.9 Antibiotics	30

Chapter 3 Investigation of the diversity of actinomycetes from <i>Nostoc commune</i> Voucher ex Bornet&Flahault and <i>Nostochopsis</i> spp.	32
3.1 Introduction	32
3.2 Materials and Methods	34
3.2.1 Study sites	34
3.2.2 Algal sampling	36
3.2.3 Isolation of actinomycetes	36
3.2.4 Identification and characterization of actinomycetes	38
3.3 Results and Discussions	43
3.3.1 Effect of isolation media	43
3.3.2 Diversity of actinomycete associated with algae	48
Chapter 4 Culture independent of actinobacteria associated with <i>Nostoc commune</i> Voucher Bornet & Flahault	61
4.1 Introduction	61
4.2 Materials and Methods	62
4.2.1 Sample collection	62
4.2.2 DNA extraction and PCR amplification of partial 16S rRNA gene	63
4.2.3 Construction of partial 16S rRNA gene clone library	64
4.2.4 Phylogenetic analysis	65
4.2.5 Nucleotide sequence accession number	66
4.3 Results and Discussions	66
Chapter 5 Antimicrobial production	80
5.1 Introduction	80
5.2 Materials and Methods	82
5.2.1 Preparation of actinomycetes in fermentation media	82
5.2.2 Antimicrobial activity	83

5.3 Results and Discussions	83
5.3.1 Effects of fermentation media	83
Chapter 6 Conclusion	94
References	97
List of Publication	127
Appendices	
Appendix A	128
Appendix B	130
Appendix C	133
Curriculum Vitae	148



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LIST OF TABLES

	Page
Table 2.1 Variation of antibiotics and some chemicals for soil actinomycetes isolation	13
Table 2.2 Type of cell wall diaminopimelic acid isomers (DAP) and whole-cell sugars of actinomycetes	15
Table 2.3 Type of phospholipids of actinomycetes	15
Table 2.4 Distribution of genera of the actinomycetes by cell wall type, including a description of morphology	17
Table 2.5 Vector type and capacity of vector	27
Table 2.6 Actinomycete antibiotics for medical applications	31
Table 3.1 Composition of 12 selective media for isolation of actinomycetes	37
Table 3.2 Actinomycete isolation cultured from <i>Nostoc commune</i> on various selective media and grouped by morphology and chemotaxonomic characterization	50
Table 3.3 Actinomycete isolation cultured from <i>Nostochopsis</i> spp. on various selective media and grouped by morphology and chemotaxonomic characterization	51
Table 3.4 Morphological colour group characteristics on ISP medium of actinomycetes in the filamentous-like streptomycete group from <i>Nostoc commune</i>	53
Table 3.5 Morphological colour group characteristics on ISP medium of actinomycetes in the filamentous-like streptomycete group from <i>Nostochopsis</i> spp.	55
Table 3.6 Morphological grouping of non Streptomycete groups of filamentous and non filamentous actinomycetes isolated from <i>Nostoc commune</i>	56

Table 3.7 Morphological grouping of non Streptomyces groups of filamentous and non filamentous actinomycetes isolated from <i>Nostochopsis</i> spp.	56
Table 3.8 Sequence analysis of the culture-dependent actinomycetes isolated from the edible freshwater macroalgae <i>Nostoc commune</i> , based on partial 16S rRNA gene sequencing	58
Table 3.9 Sequence analysis of the culture-dependent actinomycetes isolated from the edible freshwater macroalgae <i>Nostochopsis</i> spp., based on partial 16S rRNA gene sequencing	60
Table 4.1 Sequence analysis of the culture-independent actinomycete clones from the edible freshwater macroalgae <i>Nostoc commune</i> , based on partial 16S rRNA gene sequencing	67
Table 4.2 Sequence analysis of the culture-independent proteobacteria and other Gram positive bacteria from the edible freshwater macroalgae <i>Nostoc commune</i> , based on partial 16S rRNA gene sequencing	68
Table 4.3 Actinomycete clones submitted to Eztaxon database	70
Table 4.4 Taxonomy and number of actinomycete clones from the edible freshwater macroalgae <i>Nostoc commune</i>	72
Table 5.1 Composition of fermentation media for actinomycetes	82
Table 5.2 Qualitative antimicrobial activity of active actinomycetes associated with <i>Nostoc commune</i> , which were cultivated in two types of fermentation media	85
Table 5.3 Qualitative antimicrobial activity of active actinomycetes associated with <i>Nostochopsis</i> spp., which were cultivated in two types of fermentation media	88
Table 5.4 Antibacterial activities of actinomycetes associated with <i>Nostochopsis</i> spp. on Med.30 and M52 with a wider inhibitory zone compared to the control	91
Table 5.5 Similarity percentages of the sequences of isolates which showed activities against 7 pathogens compared with other reference sequences in the Eztaxon database	92

LIST OF FIGURES

	Page
Figure 2.1 Worldwide studies of bacterial communities associated with macroalgae in the last 4 decades, showing the methodology used for the analysis	7
Figure 2.2 Various type of spore-bearing structure in streptomycetes	16
Figure 2.3 Phylogenetic relationship of actinomycetes based on 16S rRNA sequences	18
Figure 2.4 The cycles of Polymerase Chain Reaction	21
Figure 2.5 Cloning DNA in Plasmids	25
Figure 2.6 Constructing an Overlapping Clone Library	26
Figure 2.7 Illustration of a bacterium with plasmid enclosed showing genomic DNA and plasmids	28
Figure 2.8 Environmental clone library	29
Figure 3.1 Map of Thailand, shows the location of sampling sites of freshwater edible macroalgae	35
Figure 3.2 Photographs for sampling sites of freshwater edible macroalgae	35
Figure 3.3 Cross – hatched streak plate method for the observative of mature mycelia with sporechain production in the angles of the streaks	39
Figure 3.4 Effect of selective media to actinomycetes isolated from <i>Nostoc commune</i>	43
Figure 3.5 Total counts of actinomycetes and viable bacteria isolated from <i>Nostoc commune</i>	44
Figure 3.6 Effects of selective media on actinomycetes isolated from <i>Nostochopsis</i> spp.	45
Figure 3.7 Comparison of quantity and size of actinomycete colonies in Raffinose-Histidine agar plate	46

Figure 3.8	Total counts of actinomycetes and viable bacteria isolated from <i>Nostochopsis</i> spp.	47
Figure 3.9	The chromatogram of whole cell amino acid analysis. The Streptomyces isolate group contained LL-DAP and the non-Streptomyces group contained <i>meso</i> -DAP	52
Figure 4.1	Map of sampling site in Khemarat District, Ubon Ratchathani Province	62
Figure 4.2	<i>Nostoc commune</i> in field (1-3) and trichome of <i>N. commune</i> (4)	63
Figure 4.3	Occurrence of actinomycete genera from the edible freshwater macroalgae <i>Nostoc commune</i>	73
Figure 4.4	Phylogenetic tree of 16S rRNA clone sequences from <i>Nostoc commune</i>	75
Figure 4.5	Rarefaction curve for the clone library of <i>Nostoc commune</i>	79
Figure 5.1	The screening of antimicrobial activity on Mueller-Hinton agar plat	84

LIST OF ABBREVIATIONS

°C	degree Celsius
DAP	diaminopimelic acid
g	gram
hr	hour
ISP	International <i>Streptomyces</i> Project
l	liter
µg	microgram
µl	microliter
µmol	micromol
µM	micromolar
mg	milligram
ml	milliliter
mm	millimeter
min	minute
M	molar (mol/liter)
rpm	rotation per minute
sec	second
v/v	volume by volume
w/v	weight by volume
w/w	weight by weight
NTRH	Isolates from <i>Nostoc commune</i> on Raffinose-Histidine agar
NTRHn	Isolates from <i>Nostoc commune</i> on Raffinose-Histidine agar add algal extract
NTH	Isolates from <i>Nostoc commune</i> on Hickey-Tresner agar
NTHn	Isolates from <i>Nostoc commune</i> on Hickey-Tresner agar add algal extract
NTG	Isolates from <i>Nostoc commune</i> on Gause No.2 agar

NTGn	Isolates from <i>Nostoc commune</i> on Gause No.2 agar add algal extract
NTS	Isolates from <i>Nostoc commune</i> on Starch casein agar
NTSn	Isolates from <i>Nostoc commune</i> on Starch casein agar add algal extract
NTM	Isolates from <i>Nostoc commune</i> on Minimal medium agar
NTMn	Isolates from <i>Nostoc commune</i> on Minimal medium agar add algal extract
NCRH	Isolates from <i>Nostochopsis</i> spp. on Raffinose-Histidine agar
NCRHn	Isolates from <i>Nostochopsis</i> spp. on Raffinose-Histidine agar add algal extract
NCH	Isolates from <i>Nostochopsis</i> spp. on Hickey-Tresner agar
NCHn	Isolates from <i>Nostochopsis</i> spp. on Hickey-Tresner agar add algal extract
NCG	Isolates from <i>Nostochopsis</i> spp. on Gause No.2 agar
NCGn	Isolates from <i>Nostochopsis</i> spp. on Gause No.2 agar add algal extract
NCS	Isolates from <i>Nostochopsis</i> spp. on Starch casein agar
NCSn	Isolates from <i>Nostochopsis</i> spp. on Starch casein agar add algal extract
NCM	Isolates from <i>Nostochopsis</i> spp. on Minimal medium agar
NCMn	Isolates from <i>Nostochopsis</i> spp. on Minimal medium agar add algal extract

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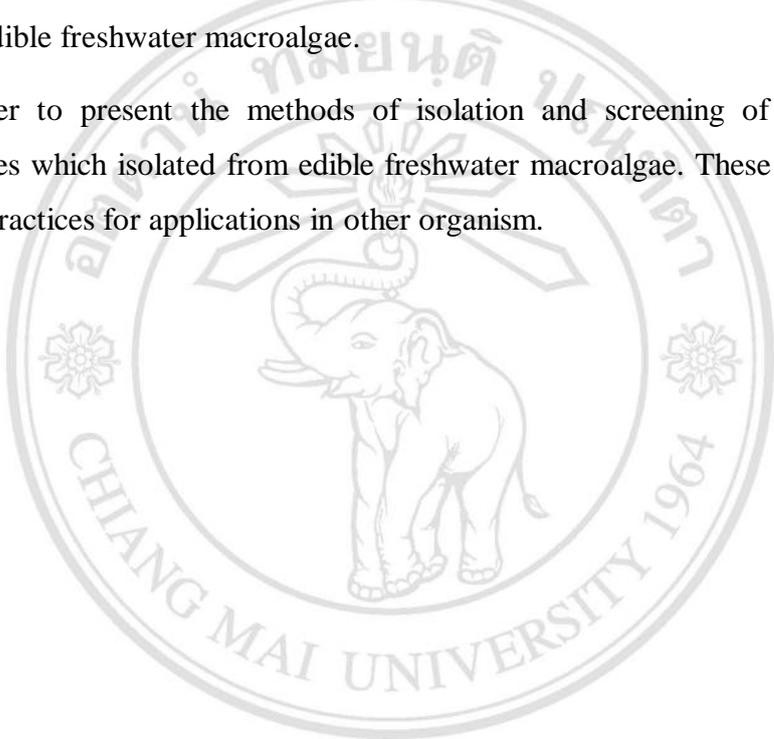
ข้อความแห่งการริเริ่ม

- 1) วิทยานิพนธ์นี้ ได้นำเสนอการศึกษาความหลากหลายทางชีวภาพของแอสโคไมซีที่พบในสาหร่ายน้ำจืดขนาดใหญ่กินได้ คือ *Nostoc commune* และ *Nostochopsis* spp. โดยวิธีแยกเชื้อบนอาหารเลี้ยงเชื้อและแบบไม่ใช้อาหารเลี้ยงเชื้อ งานวิจัยนี้ได้นำเสนอฐานข้อมูลที่เชื่อถือได้ของความหลากหลายของแอสโคไมซีที่มีความสัมพันธ์กับสาหร่ายน้ำจืดขนาดใหญ่กินได้
- 2) เพื่อนำเสนอวิธีการคัดแยกและวิธีการคัดเลือกสมบัติการต้านจุลินทรีย์ของแอสโคไมซีที่แยกได้จากสาหร่ายน้ำจืดขนาดใหญ่กินได้ ไว้เป็นแนวปฏิบัติที่ดีสำหรับประยุกต์ใช้กับสิ่งมีชีวิตชนิดอื่น

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STATEMENT OF ORIGINALITY

1. This thesis was conducted to study the biodiversity of actinomycetes associated with some edible freshwater macroalgae; *Nostoc commune* and *Nostochopsis* spp. by using culture-depending and culture-independent. This study also present the reliable database of actinomycete diversity associated with edible freshwater macroalgae.
2. In order to present the methods of isolation and screening of antimicrobial activities which isolated from edible freshwater macroalgae. These would be the good practises for applications in other organism.



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