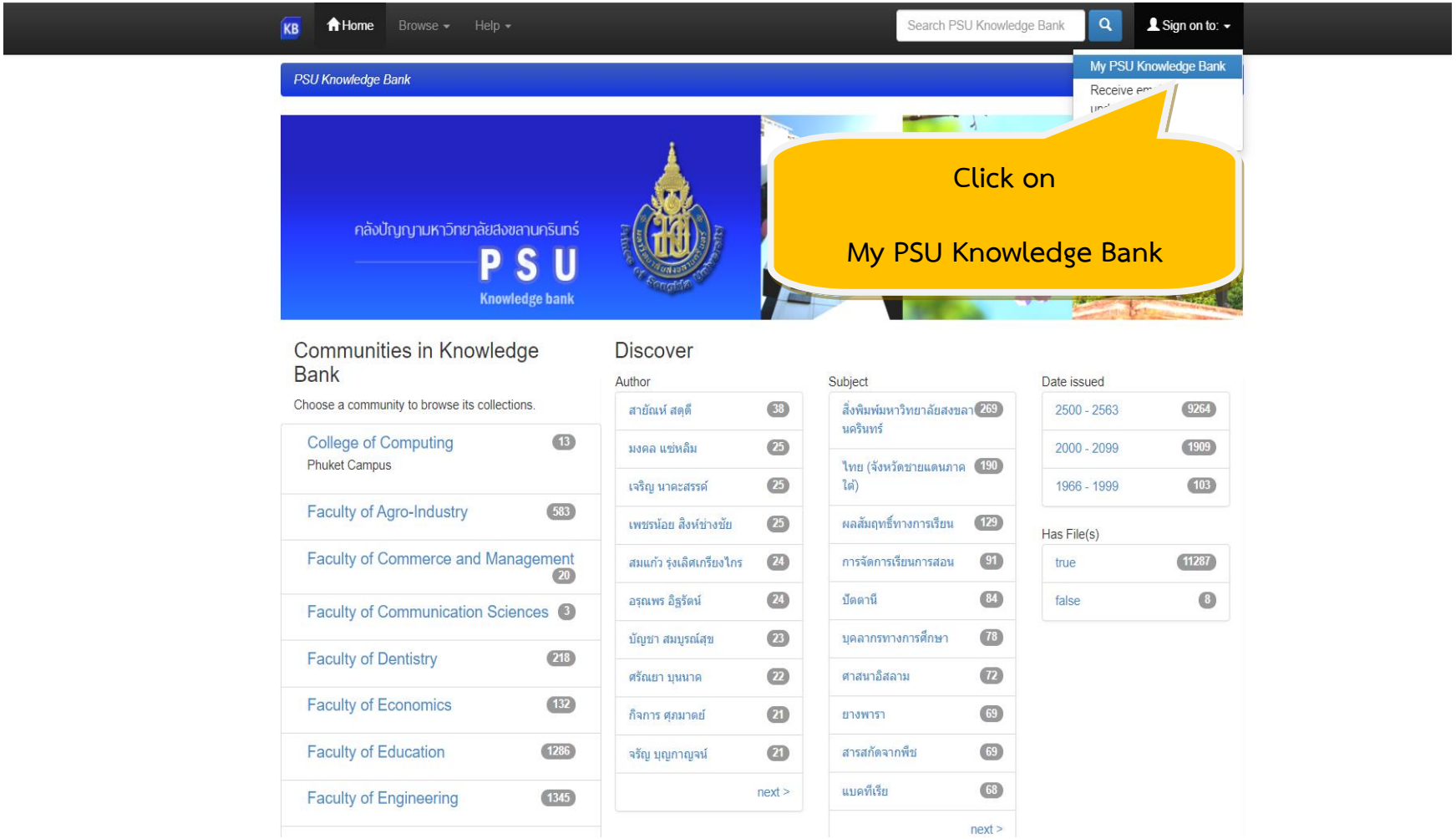
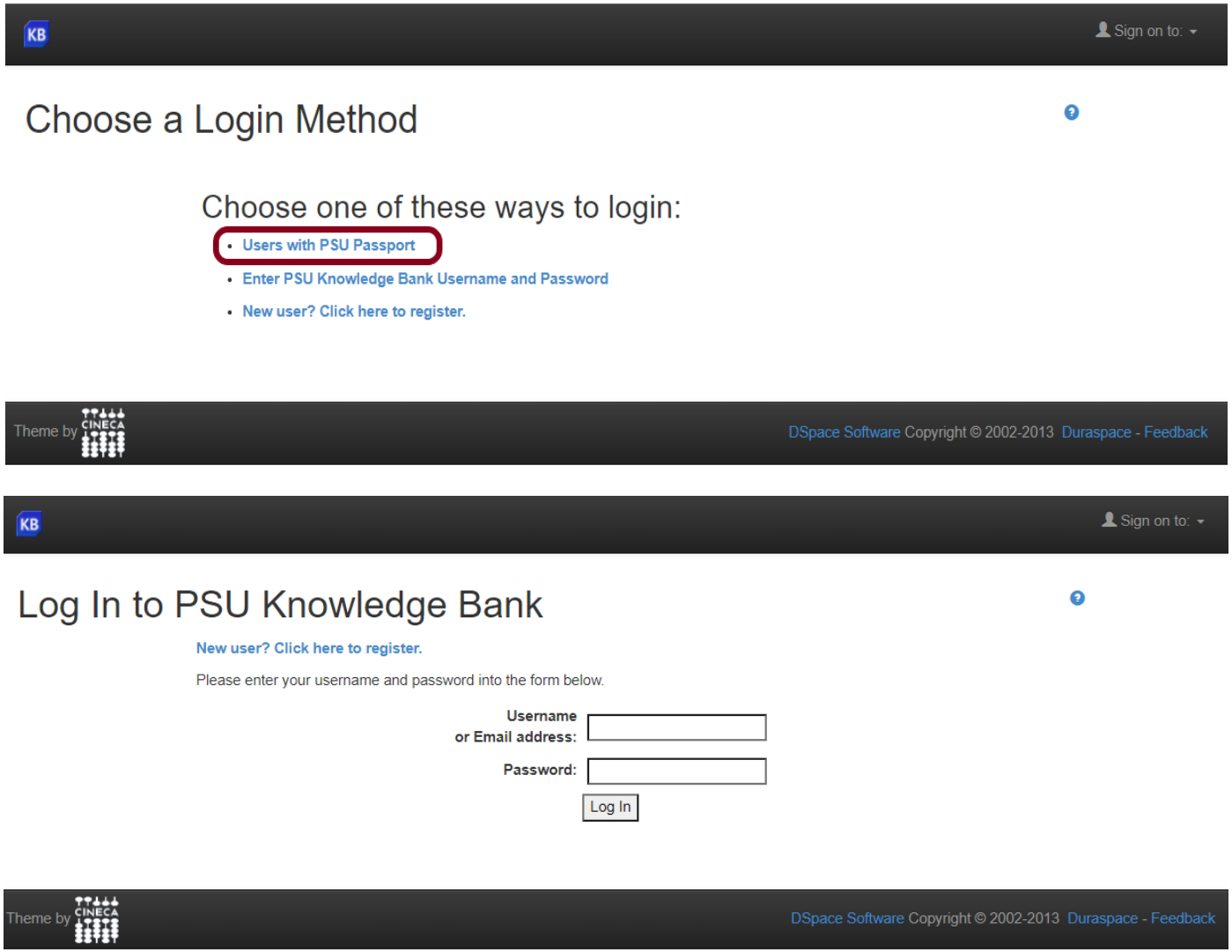
Instructions for submitting thesis to PSU Knowledge Bank

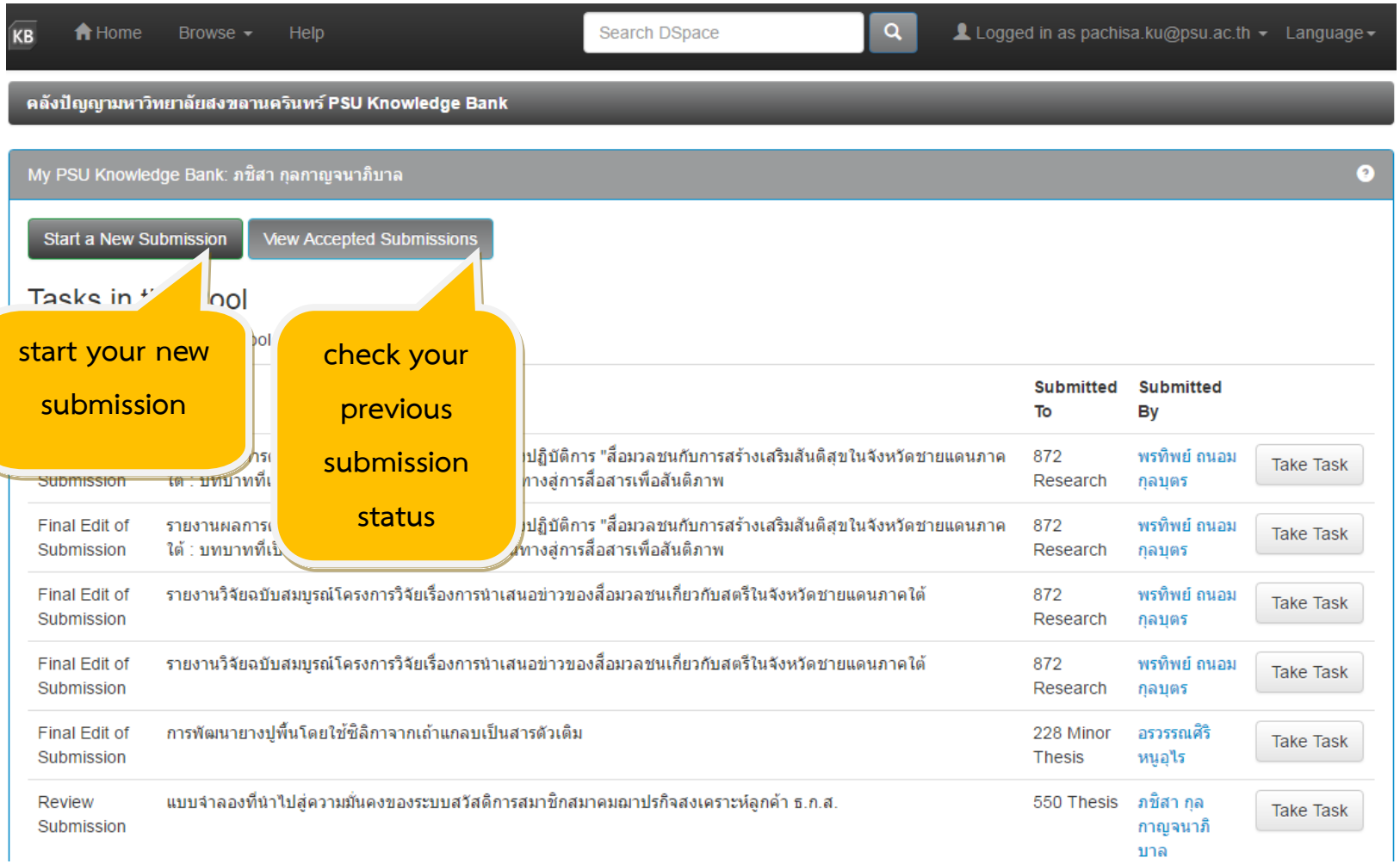
1. Go to PSU Knowledge Bank website **http://kb.psu.ac.th/psukb/** click **sign on to** and then click **My PSU Knowledge Bank**



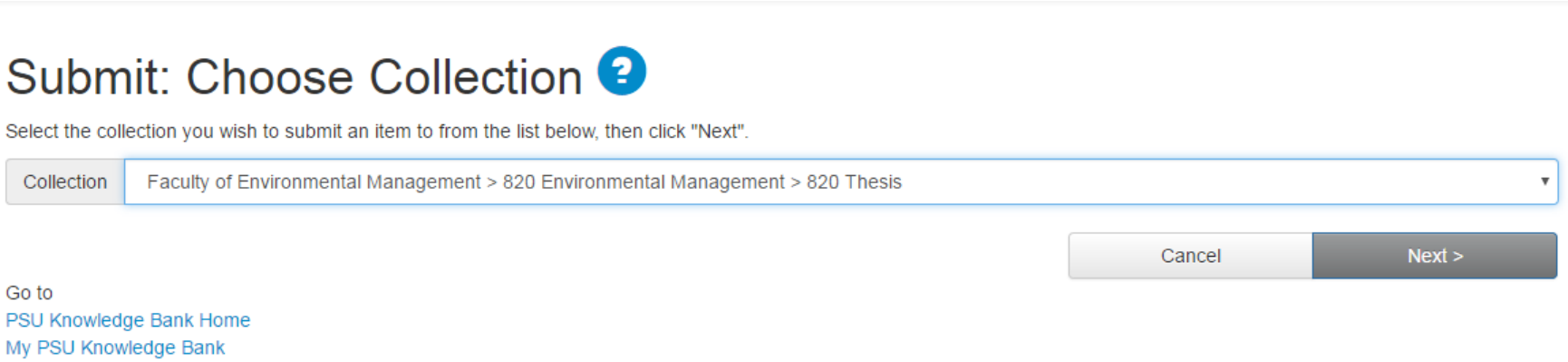
2. Enter your PSU Passport's username and password to log in to PSU Knowledge Bank



3. Start your new submission : Click on **Start a New Submission** button for your new submission. You can also check **View Accepted Submission** to check your previous submission status if available.



4. Select Collection : click on the arrow at the right of the drop-down box to see a list of collections. Select the right collection one for your thesis. Click on the next button.



5. Describe your thesis on this fields

Field	Describe
Authors	For foreigner : Enter the lastname in the first box and the firstname in the second box.
Advisors	For foreigner : Enter the lastname in the first box and the firstname in the second box.
Title	Enter the main title of your thesis.
Other titles	Enter the translated titles if available.
Date of issue	Only the year appear at the thesis's cover.
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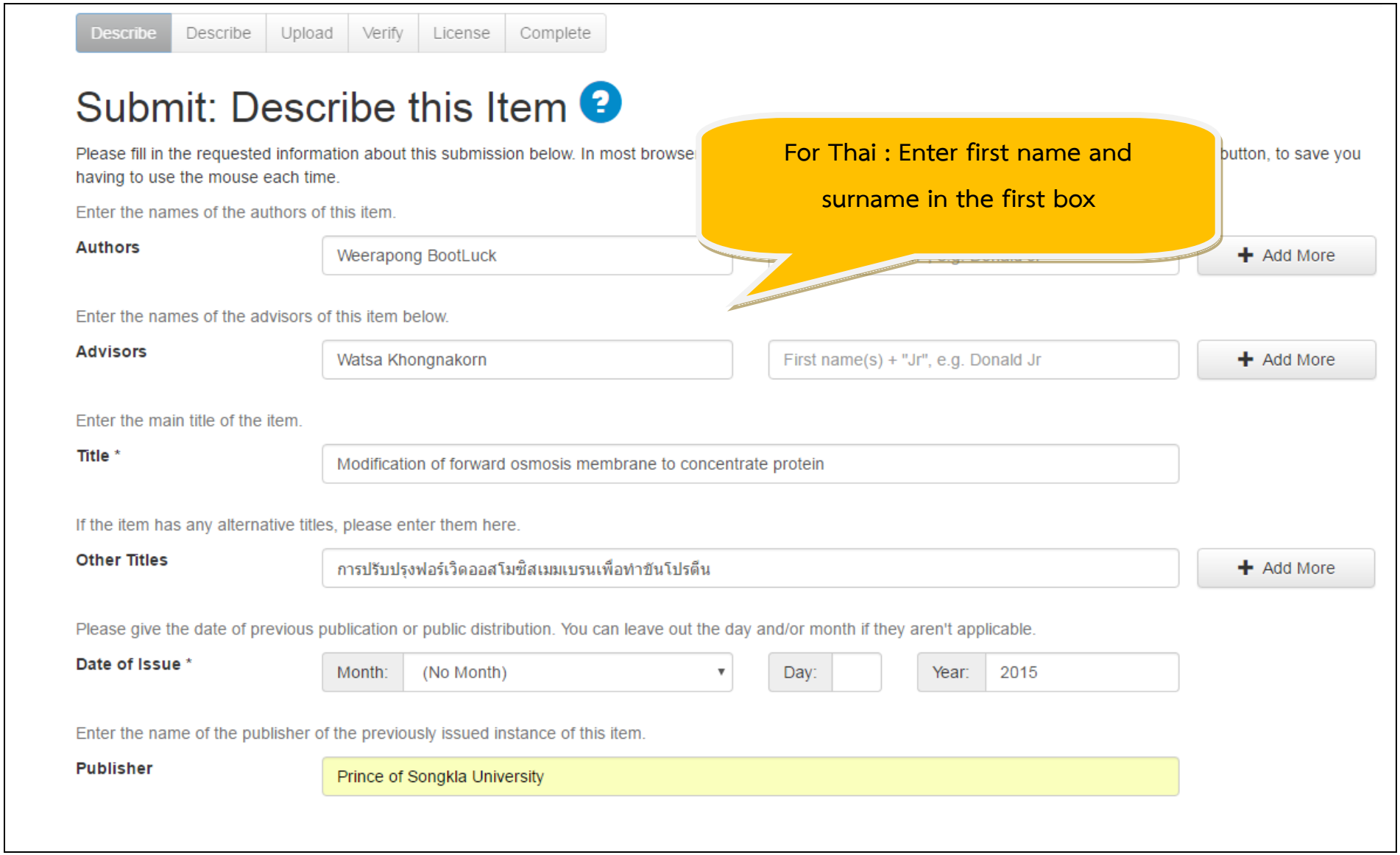
Language	Select English
Subject/ Keywords	Enter appropriate keywords and search terms that best described your item.
Abstract	Copy and paste the abstract from the item.
Description	Enter your degree, majoring subject and year of completion Examples : Master of Science (Ecology(International program)), 2015 Doctor of Philosophy (Organic Chemistry), 2015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Advisors
Watsa Khongnakorn
First name(s) + "Jr", e.g. Donald Jr
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Title *
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If the item has any alternative titles, please enter them here.
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Language

English

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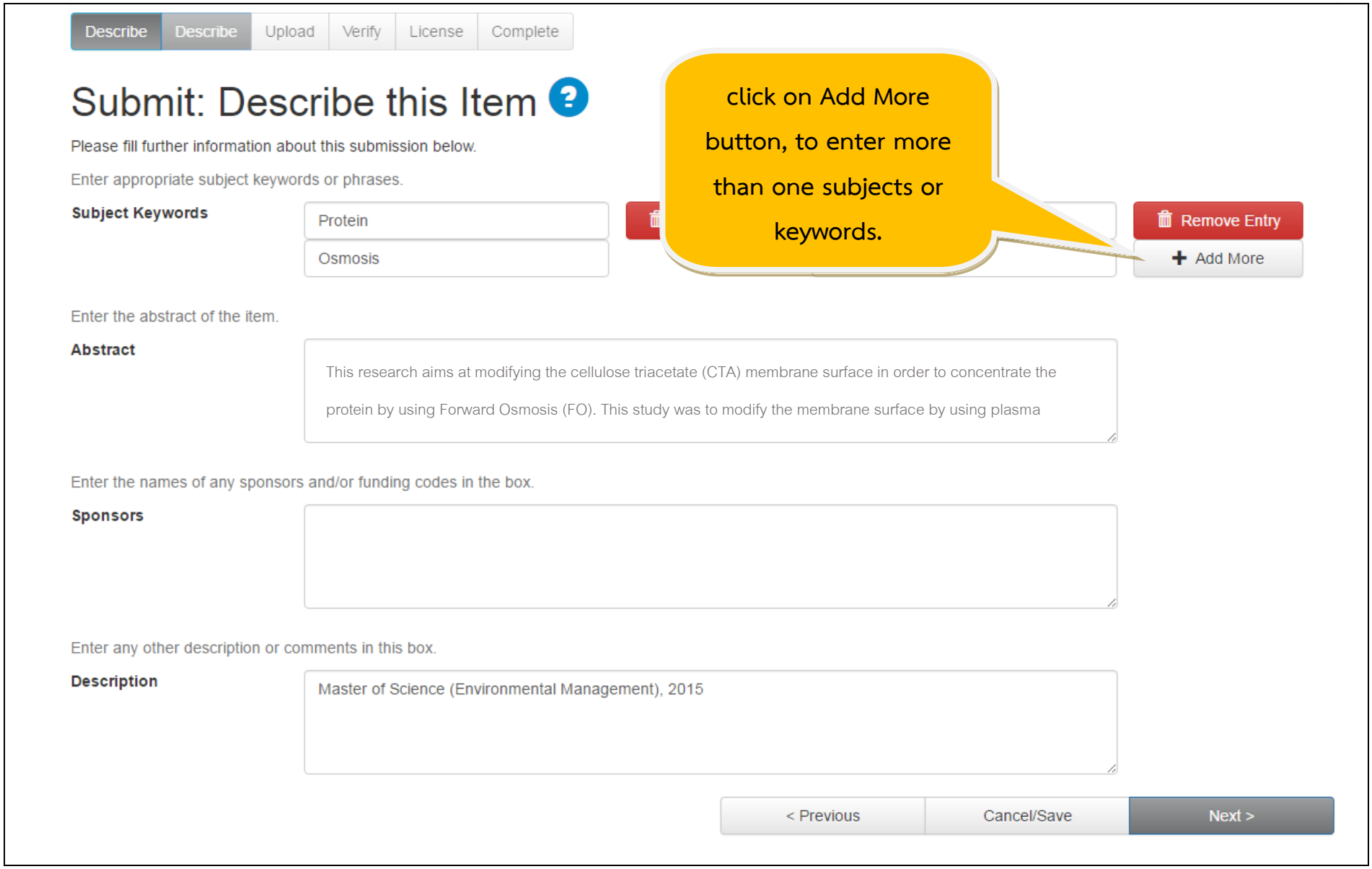
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Enter appropriate subject keywords or phrases.
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Abstract
This research aims at modifying the cellulose triacetate (CTA) membrane surface in order to concentrate the protein by using Forward Osmosis (FO). This study was to modify the membrane surface by using plasma
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Sponsors
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Description
Master of Science (Environmental Management), 2015
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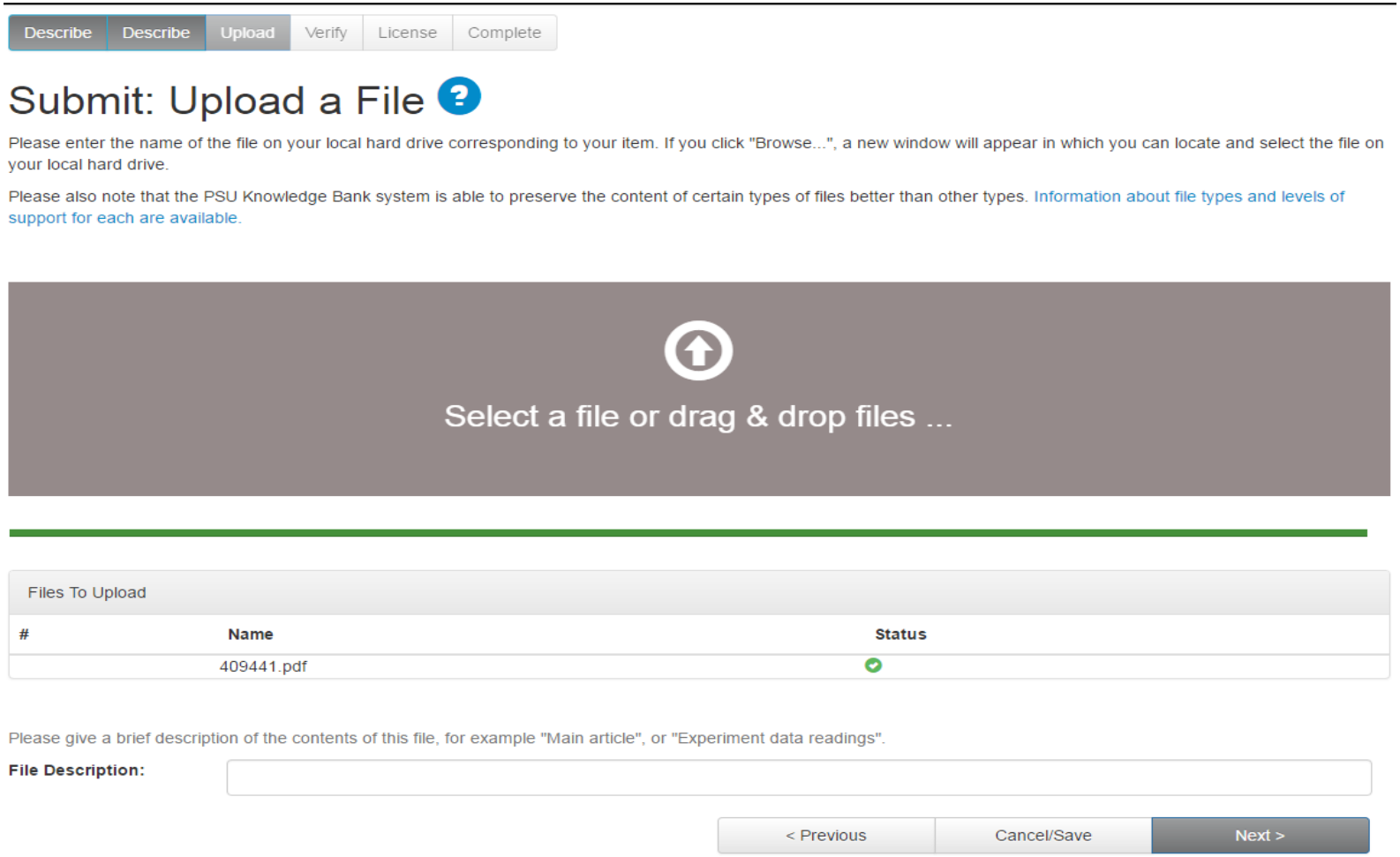
6. Select a file: Click on the **Select a file or drag & drop files** to select your files for submission. Your thesis must be rendered into a single PDF file for submission and a file name is your student ID.



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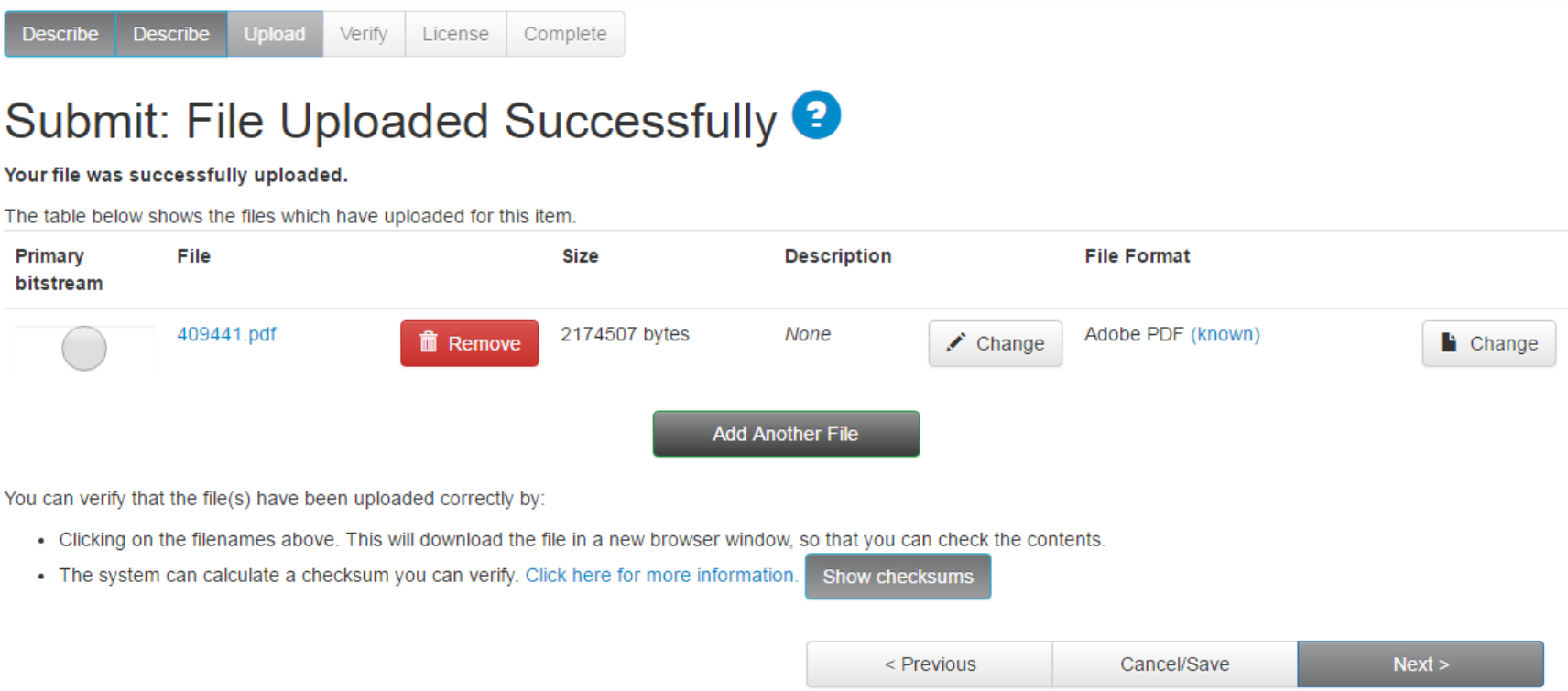
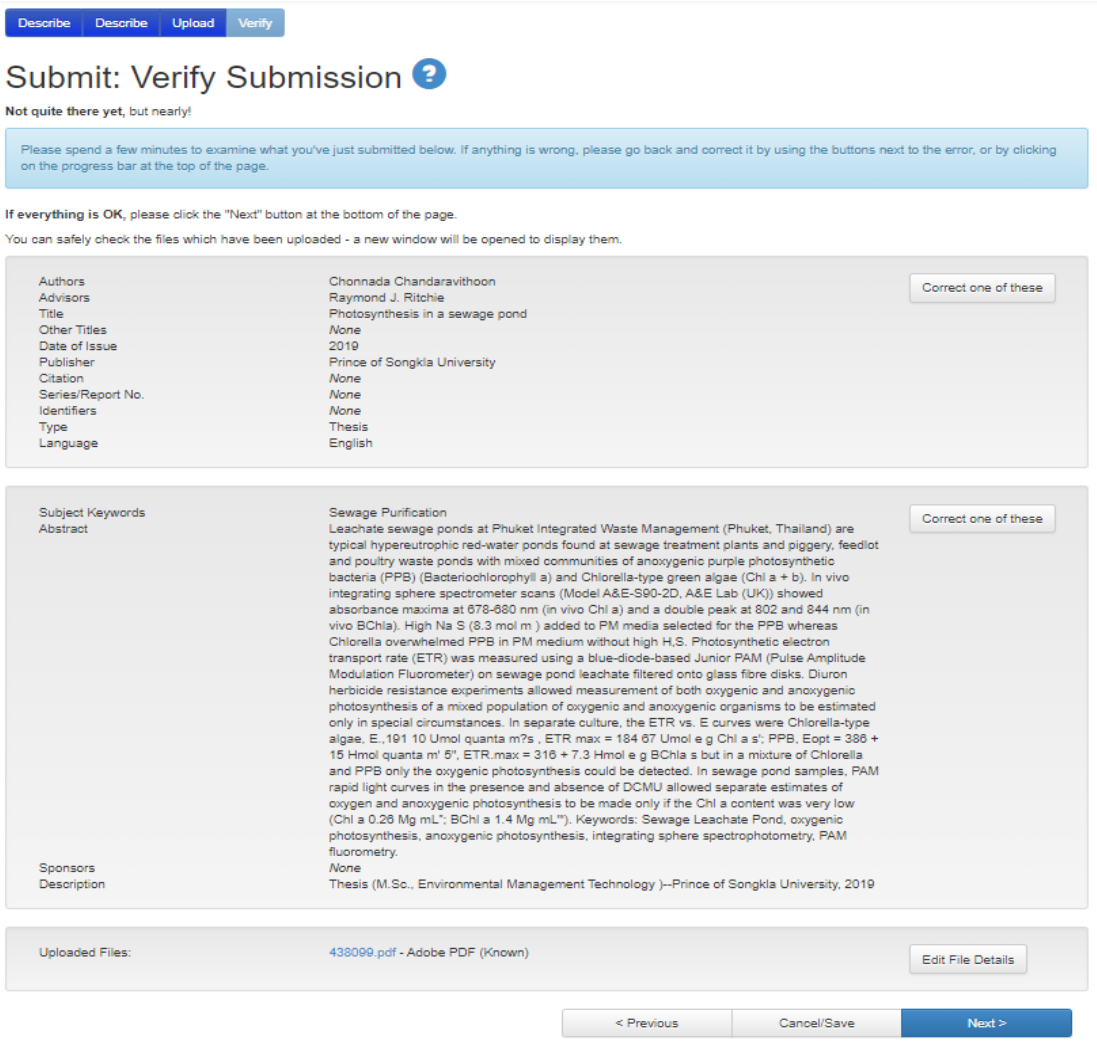


8. Verify submission : recheck all information and edit by clicking on the **correct one of these** button on the right, or use the button in the progress bar at the top of the page to move back through the submission pages.



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Submit: Verify Submission

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If everything is OK, please click the "Next" button at the bottom of the page.

You can safely check the files which have been uploaded - a new window will be opened to display them.

Authors	Chonnada Chandaravithoon	Correct one of these
Advisors	Raymond J. Ritchie	
Title	Photosynthesis in a sewage pond	
Other Titles	*None*	
Date of Issue	2019	
Publisher	Prince of Songkla University	
Citation	*None*	
Series/Report No.	*None*	
Identifiers	*None*	
Type	Thesis	
Language	English	

Subject Keywords	Sewage Purification	Correct one of these
Abstract	Leachate sewage ponds at Phuket Integrated Waste Management (Phuket, Thailand) are typical hypereutrophic red-water ponds found at sewage treatment plants and piggery, feedlot and poultry waste ponds with mixed communities of anoxygenic purple photosynthetic bacteria (PPB) (Bacteriochlorophyll a) and Chlorella-type green algae (Chl a + b). In vivo integrating sphere spectrometer scans (Model A&E-S90-2D, A&E Lab (UK)) showed absorbance maxima at 678-680 nm (in vivo Chl a) and a double peak at 802 and 844 nm (in vivo BChla). High Na S (8.3 mol m) added to PM media selected for the PPB whereas Chlorella overwhelmed PPB in PM medium without high H,S. Photosynthetic electron transport rate (ETR) was measured using a blue-diode-based Junior PAM (Pulse Amplitude Modulation Fluorometer) on sewage pond leachate filtered onto glass fibre disks. Diuron herbicide resistance experiments allowed measurement of both oxygenic and anoxygenic photosynthesis of a mixed population of oxygenic and anoxygenic organisms to be estimated only in special circumstances. In separate culture, the ETR vs. E curves were Chlorella-type algae, E.,191 10 Umol quanta m?s , ETR max = 184 67 Umol e g Chl a s'; PPB, Eopt = 386 + 15 Hmol quanta m' 5", ETR.max = 316 + 7.3 Hmol e g BChla s but in a mixture of Chlorella and PPB only the oxygenic photosynthesis could be detected. In sewage pond samples, PAM rapid light curves in the presence and absence of DCMU allowed separate estimates of oxygen and anoxygenic photosynthesis to be made only if the Chl a content was very low (Chl a 0.26 Mg mL"; BChl a 1.4 Mg mL"). Keywords: Sewage Leachate Pond, oxygenic photosynthesis, anoxygenic photosynthesis, integrating sphere spectrophotometry, PAM fluorometry.	
Sponsors	*None*	
Description	Thesis (M.Sc., Environmental Management Technology)--Prince of Songkla University, 2019	

Uploaded Files:	438099.pdf - Adobe PDF (Known)	Edit File Details

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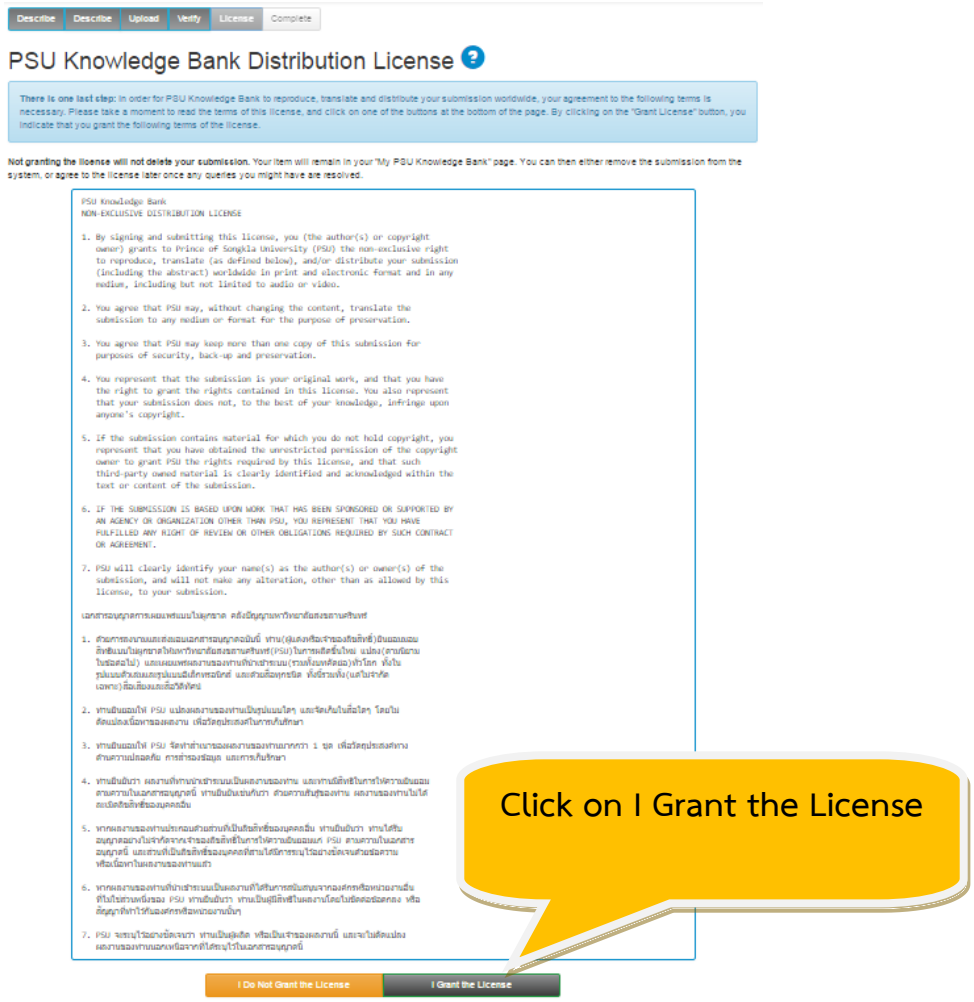
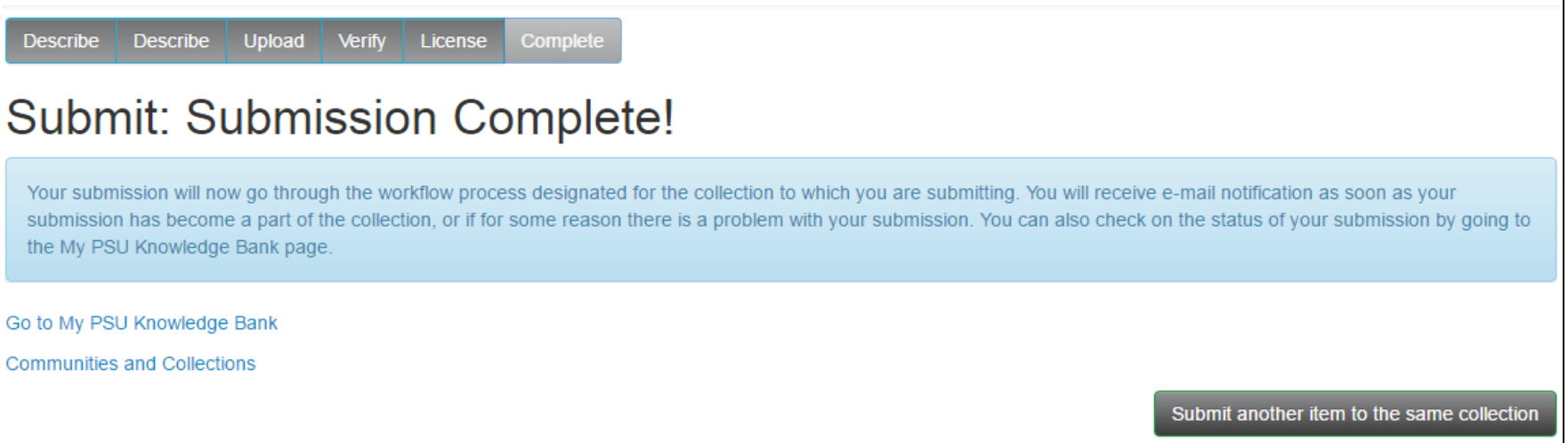
9. License : If you agree to submit and published in PSU Knowledge Bank, Click on **I grant the license** button. If no, your item will be hold in PSU Knowledge Bank.

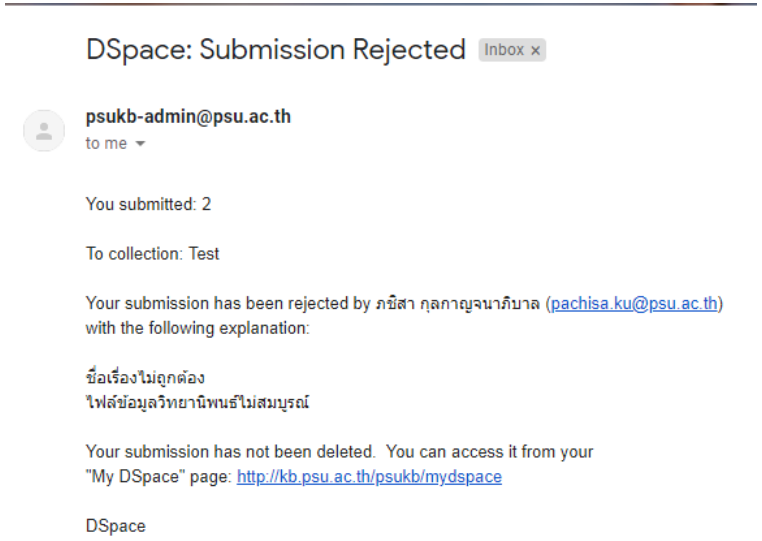


10. Submission complete : your item will be sent to administrator for approval. An email will be sent to you when your item successfully become part of the collection. You can check the status of your submission by going to your My PSU Knowledge Bank page.



Rejection

1. If reject then send submitter rejection notification. This can be accessed under My PSU Knowledge Bank



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to me

You submitted: 2

To collection: Test

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ไฟล์ข้อมูลวิทยานิพนธ์ไม่สมบูรณ์

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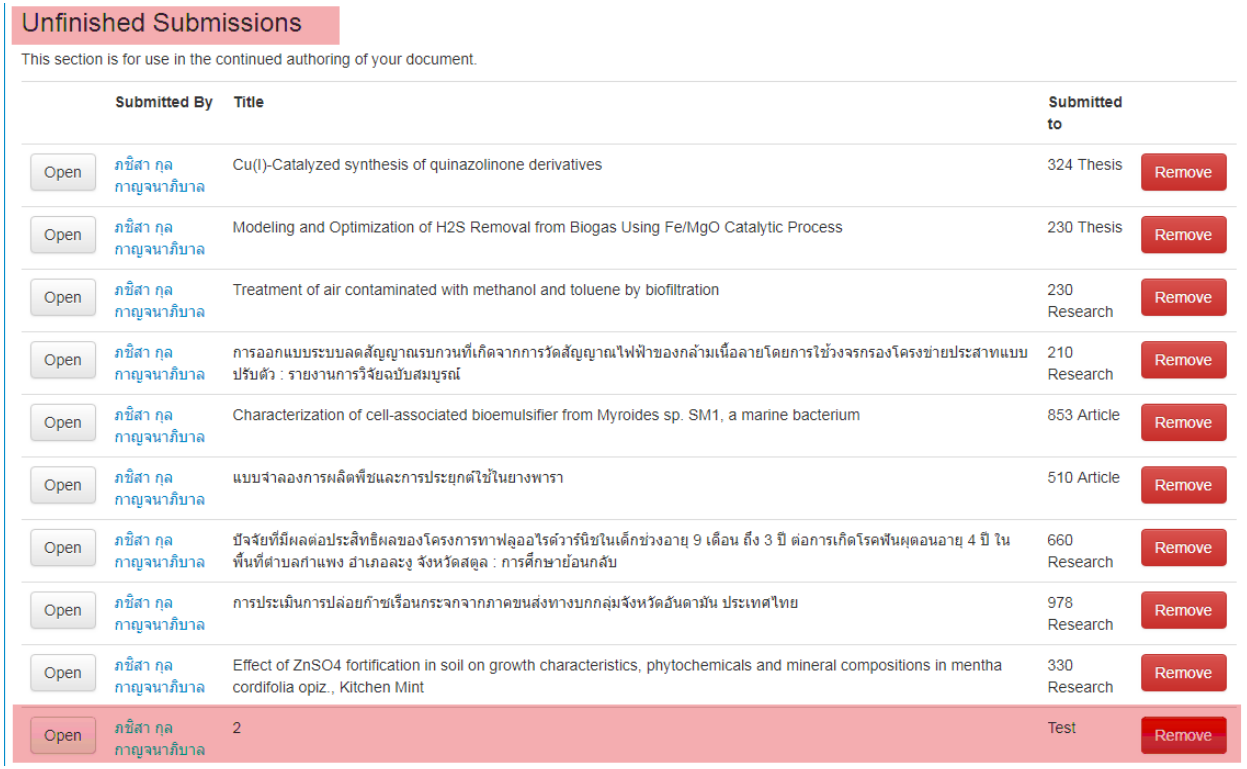
DSpace

2. Enter your PSU Passport's username and password to log in to PSU Knowledge Bank. Continue with any unfinished submissions you have under Unfinished submissions. This is also where any item that is rejected will be available to edit or add additional information.

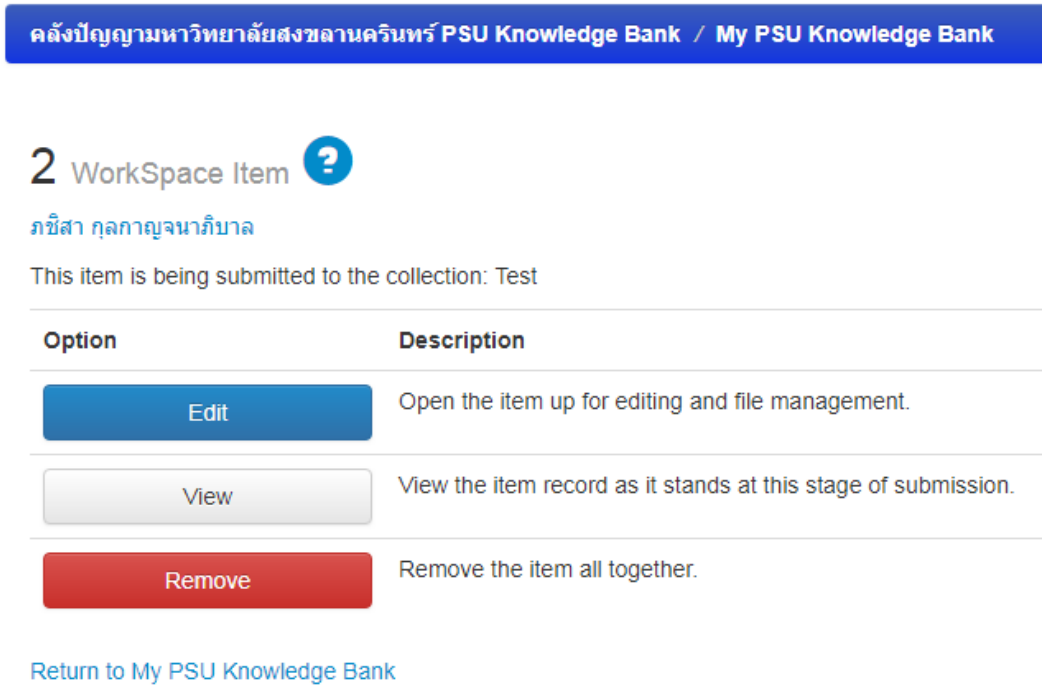


Unfinished Submissions

This section is for use in the continued authoring of your document.

	Submitted By	Title	Submitted to	
Open	ภชิสา กุลกาญจนาภิบาล	Cu(I)-Catalyzed synthesis of quinazolinone derivatives	324 Thesis	Remove
Open	ภชิสา กุลกาญจนาภิบาล	Modeling and Optimization of H2S Removal from Biogas Using Fe/MgO Catalytic Process	230 Thesis	Remove
Open	ภชิสา กุลกาญจนาภิบาล	Treatment of air contaminated with methanol and toluene by biofiltration	230 Research	Remove
Open	ภชิสา กุลกาญจนาภิบาล	การออกแบบระบบลดสัญญาณรบกวนที่เกิดจากการวัดสัญญาณไฟฟ้าของกล้ามเนื้อลายโดยการใช้วงจรกรองโครงข่ายประสาทแบบปรับตัว : รายงานการวิจัยฉบับสมบูรณ์	210 Research	Remove
Open	ภชิสา กุลกาญจนาภิบาล	Characterization of cell-associated bioemulsifier from Myroides sp. SM1, a marine bacterium	853 Article	Remove
Open	ภชิสา กุลกาญจนาภิบาล	แบบจำลองการผลิตพืชและการประยุกต์ใช้ในยางพารา	510 Article	Remove
Open	ภชิสา กุลกาญจนาภิบาล	ปัจจัยที่มีผลต่อประสิทธิผลของโครงการทาฟลูออไรด์วาร์นิชในเด็กช่วงอายุ 9 เดือน ถึง 3 ปี ต่อการเกิดโรคฟันผุตอนอายุ 4 ปี ในพื้นที่ตำบลกำแพง อำเภอละงู จังหวัดสตูล : การศึกษาย้อนกลับ	660 Research	Remove
Open	ภชิสา กุลกาญจนาภิบาล	การประเมินการปล่อยก๊าซเรือนกระจกจากภาคขนส่งทางบกกลุ่มจังหวัดอันดามัน ประเทศไทย	978 Research	Remove
Open	ภชิสา กุลกาญจนาภิบาล	Effect of ZnSO4 fortification in soil on growth characteristics, phytochemicals and mineral compositions in mentha cordifolia opiz., Kitchen Mint	330 Research	Remove
Open	ภชิสา กุลกาญจนาภิบาล	2	Test	Remove

3. Click on the title to continue with your submission. And then click Edit to open the item up for editing and file management.



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Enter the names of the advisors of this item below.

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