

APEC Cross Mentoring Research Activity 2020-2021

Syllabus

I. Mentor

1. Personal Information

Name	Prof. Sangbum Han
Mobile Number	+82-10-9291-2915
School or Institute	Kyungnam University
E-mail	sangbum@kyungnam.ac.kr
Major	Bioconvergence

2. Education

	Year	Name of University	Major	Degree	Nation
Bachelor's degree	2012	Korea University	Biotechnology	B.S.	S. Korea
Doctorate	2017	Seoul National University	Biomedical Sciences	Ph.D.	S. Korea
Dissertation	The role a serum amyloid A1 in UV-induced expressions of MMP-1 and proinflammatory cytokines in the skin				

3. Experiences

Duration	Position	Institute or University
2017-2018	Senior Researcher	Seoul National University

2018-2020	Assistant Professor	Kwangju Women's University
2020-	Assistant Professor	Kyungnam University

4. Honors and Awards

Year	Title	Remarks
2016	SID Albert M. Kligman Fellowship Award	
2016	SNU Brain Korea 21 Plus Award for Outstanding Article	
2016	SNUH Commendation Award for Article	
2017	SNU Brain Korea 21 Plus Award for Outstanding Article	
2017	KSID Oral Presentation Award	

5. Professional Societies

Society of Cosmetic Scientists of Korea

II. Syllabus

1. Course Title & Criteria

Course Title	Searching for natural/bio products to cure diseases
Criteria	<input checked="" type="checkbox"/> Biology & Applied Biology
	<input type="checkbox"/> Chemistry
	<input type="checkbox"/> Energy & Environmental Science
	<input type="checkbox"/> Integrated Science
	<input checked="" type="checkbox"/> Medicinal Science
	<input type="checkbox"/> Nano Science
	<input type="checkbox"/> Physics
	<input type="checkbox"/> Others

2. Course Objectives & Description

The goal of this course is to provide students with a foundation of knowledge searching for natural/bio products to cure diseases.

The students will prepare and submit a power point presentation on how to search for natural/bio products to cure diseases.

3. Required Textbook or papers: will be recommended

4. Final Outcome

Quiz	<input type="checkbox"/> Due date:
Research plan	<input checked="" type="checkbox"/> Due date: 8 th week
Final Report	<input type="checkbox"/> Due date:
Research Article for APEC Youth Scientist Journal	<input checked="" type="checkbox"/> Due date: 12 th week

5. Schedule

Week	Topics and Activities	Assignments & Other Instructions
Week 1	Introduction	
Week 2	Natural products I	
Week 3	Natural products II	
Week 4	Bio products I	
Week 5	Bio products II	
Week 6	Bio activity	
Week 7	Case study I	PPT on how to search for natural/bio products
Week 8	Case study II	Research plan
Week 9	Research Article Writing for APEC Youth Scientist Journal	
Week 10	Research Article Writing for APEC Youth Scientist Journal	
Week 11	Research Article Writing for APEC Youth Scientist Journal	
Week 12	Research Article Writing for APEC Youth Scientist Journal	Final report/journal
Mentee should submit their research article to AMGS admin team and mentor.		