

National Yang Ming Chiao Tung University 國立陽明交通大學

陳日榮 (Jih-Jung Chen)

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現職



國立陽明交通大學 藥學系 特聘教授

國立陽明交通大學 生物藥學研究所 合聘教授

國立陽明交通大學 傳統醫藥研究所 合聘教授

國立陽明交通大學 生技醫療產業博士學位學程 合聘教授

榮獲美國史丹佛大學 2023.10.04 發布之最新版「全球前 2% 頂尖科學家 (World's Top 2% Scientists)」殊榮，並同時榮登「終身科學影響力排行榜 (1788~2022)」及「2022 年度科學影響力排行榜」。

Current Job

1. Distinguished Professor, Department of Pharmacy, National Yang Ming Chiao Tung University (NYCU).
2. Joint Appointment Professor, Institute of Biopharmaceutical Sciences, NYCU.
3. Joint Appointment Professor, Institute of Traditional Medicine, NYCU.
4. Joint Appointment Professor, Biomedical Industry Ph.D. Program, NYCU.

Won the honor of “World’s Top 2% Scientists” (the latest edition) released by Stanford University on 2023.10.04, and was also listed in the “Lifetime Scientific Impact Ranking (1788~2022)” and “2022 Annual Scientific Impact Ranking”.

學歷

高雄醫學大學 藥學研究所 藥學博士 (1994/09~1997/06)

高雄醫學大學 天然藥物研究所 理學碩士 (1992/09~1994/06)

中國醫藥大學 醫技系 理學士 (1985/09~1989/06)





經歷

高雄醫學大學 天然藥物研究所校友會 會長&傑出校友
考試院 公務人員高等考試、特種考試命題兼閱卷委員(2014~)
考試院 藥師國家考試命題委員(2017~)
科技部 研究計畫複審/初審委員(2005~)
教育部 大專教師著作升等審查委員(陽明交大、成大、中興、北醫、長庚、中醫大、高醫、輔仁、國家中醫藥研究所、嘉南、朝陽、長庚科大...)
教育部『玉山學者計畫』評審委員
『永信李天德醫藥科技獎』評審委員
中國高等職業教育國家級培訓講座教師
財經立法促進院-立法委員評比(社福環衛組)評比教授(2013/05~)
中國泉州醫學高等專科學校藥理學專家工作站專家(2013/08~2014/07)
陸軍『117 師』少尉醫官 (1989/07~1991/05)
印度 Annamalai University 博士學位考試委員
國立台灣大學 博(碩)士學位考試委員 (2018/07~)
國立陽明交通大學 博(碩)士學位考試委員 (2018/01~)
國立中山大學 博(碩)士學位考試委員 (2016/01~)
國立高雄師範大學 碩士學位考試委員 (2009/04~)
國立海洋大學、國防醫學院 博(碩)士學位考試委員 (2022/01~)
國立東華大學碩士學位考試委員 (2008/07~)
長庚大學 碩士學位考試委員 (2017/07~)
台北醫學大學 博(碩)士學位考試委員 (2015/06~)
中國醫藥大學 博(碩)士學位考試委員 (2010/06~)
高雄醫學大學 博(碩)士學位考試委員 (2011/06~)
國立屏東科技大學 碩士學位考試委員 (2018/07~)
大仁科技大學 中草藥科技研究中心主任
大仁科技大學 貴重儀器中心 主任
大仁科技大學 兩岸沉香產業發展研究中心主任
大仁科技大學 藥學系&製藥科技研究所教授
Journal of Food and Drug Analysis 副總編輯
中華天然藥物學會第 10、11 屆理事

Journal of Food and Drug Analysis, American Journal of Applied Chemistry, ISRN Pharmaceutics, Asian Journal of Biomedical and Pharmaceutical Sciences... 等 15 種國際期刊編輯委員 Food Chem., J. Nat. Prod., Planta Med., J. Agri. Food Chem., Marine Drugs, Brit. J. Pharmacol, Phytochemistry... 等 55 種國際 SCI 期刊評審委員

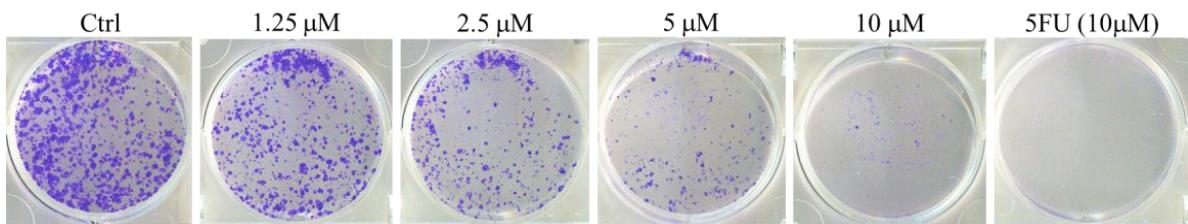
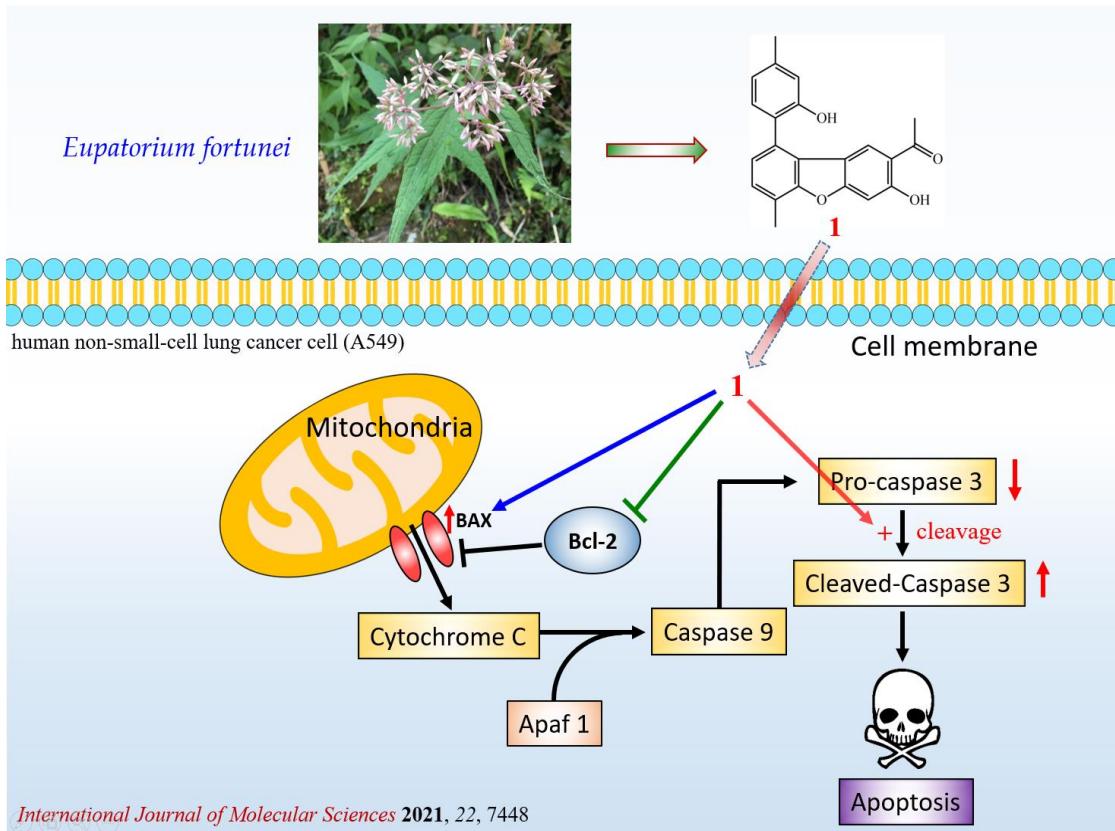
專長

1. New Drug Development (新藥研發&植物新藥開發)
2. Translational Medicine Research (轉譯醫學研究&藥理作用機制研究)
3. Anti-cancer & Anti-inflammatory Bioactive Natural Product Research (抗癌&抗發炎活性天然物研究)
4. Cosmetics & Functional Food R&D (化妝品&功能性食品研究)
5. Traditional Chinese Medicine (TCM) Research (傳統中醫藥研究)
6. Pharmacognosy & Medicinal Botany (生藥學&藥用植物學)

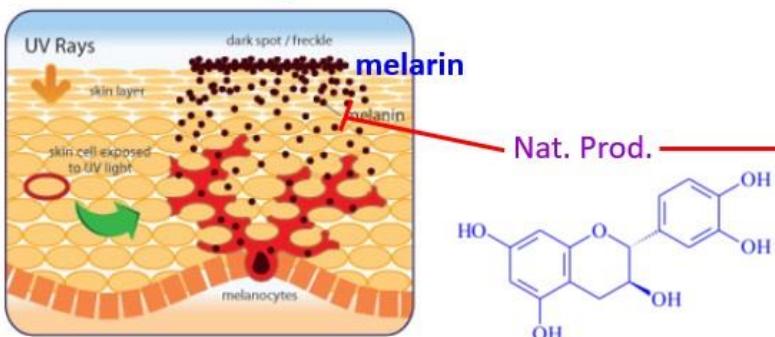
榮譽

1. 荣獲 1997 年國科會「研究甲種獎」獎勵
2. 荣獲 1998 年國科會「研究甲種獎」獎勵
3. 荣獲 1999 年國科會「研究甲種獎」獎勵
4. 荣獲 2002 年度大仁科技大學「優良學術研究教師」獎勵
5. 荣獲 2004~2009 年度大仁科技大學「優良導師」獎勵
6. 荣獲 2008~2016 年度大仁科技大學「優良學術研究教師」獎勵
7. 荣登 2009~2017 年「世界名人錄」(Marquis Who's Who in the World)
8. 荣登 2009~2017 年「醫學與健康照護世界名人錄」(Marquis Who's Who in Medicine and Healthcare)
9. 荣登 2012~2017 年「亞洲名人錄」(Marquis Who's Who in Asia)
10. 荣獲 2009 年度大仁科技大學「教學績優教師」獎勵
11. 荣獲 2011~2013 年度教育部「大專校院頂尖人才彈性薪資」獎勵 (150 萬)
12. 荣獲 2011~2016 年度國科會「大專校院特殊優秀人才彈性薪資」獎勵
13. 荣獲 2012 年度中華民國私立教育事業協會「大勇獎」獎勵
14. 荣獲 2012 年度大仁科技大學「教學績優教師」獎勵
15. 荣獲 2014 年度大仁科技大學「教學績優教師」獎勵
16. 荟獲 2014 年科威特第七屆中東國際發明展「銅牌獎」
17. 荣獲 2015 年第 11 屆烏克蘭國際發明展『金牌獎』
18. 荣獲 2019~2020 年度國立陽明大學「學術卓越」獎勵
19. 荣獲 2019.08~2025.07 年度國立陽明交通大學「特聘教授」獎勵
20. 荟獲 2020 年度國立陽明大學藥物科學院「教學傑出教師」獎勵
21. 荟獲 2020 年度『陽明景康教師獎』獎勵
22. 荟獲 2020 年度國立陽明交通大學『永久免接受評估教師』獎勵
23. 荟獲 2021.08~2025.07 國立陽明交通大學『延攬及留住特殊優秀人才彈性薪資』獎勵
24. 荟獲美國史丹佛大學發布「全球前 2% 頂尖科學家榜單(World's Top 2% Scientists 2020~2022)」
25. 高雄醫學大學 藥學院 2023 年度傑出校友(學術類)
26. 中華天然藥物學會 2023 年度傑出研究獎
27. 經由陽明交大研發處與順天堂藥廠，簽定產學合作合約，協助開發生技產品。其中「防禦凍飲—順活沛系列」獲得了 112 年度台灣保健食品學會頒發的「營養保健食品創新獎」。
28. 經由陽明交大研發處與東森自然美生技公司，簽定數項產學合作、委託測試與顧問合約，協助開發生技產品。其中「極地雪玫瑰乳霜」獲得了 Monde Selection 頒發的產品品質評鑑「2021 年銀獎」，Monde Selection 是由 80 位獨立專家組成的國際領先的品質研究機構之一。

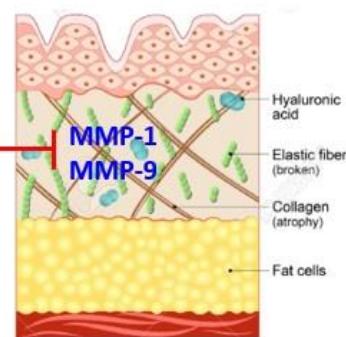
Current research :



Whitening



Anti-wrinkle

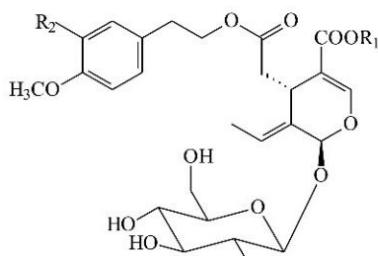


Current research :





Fraxinus chinensis (stem bark)

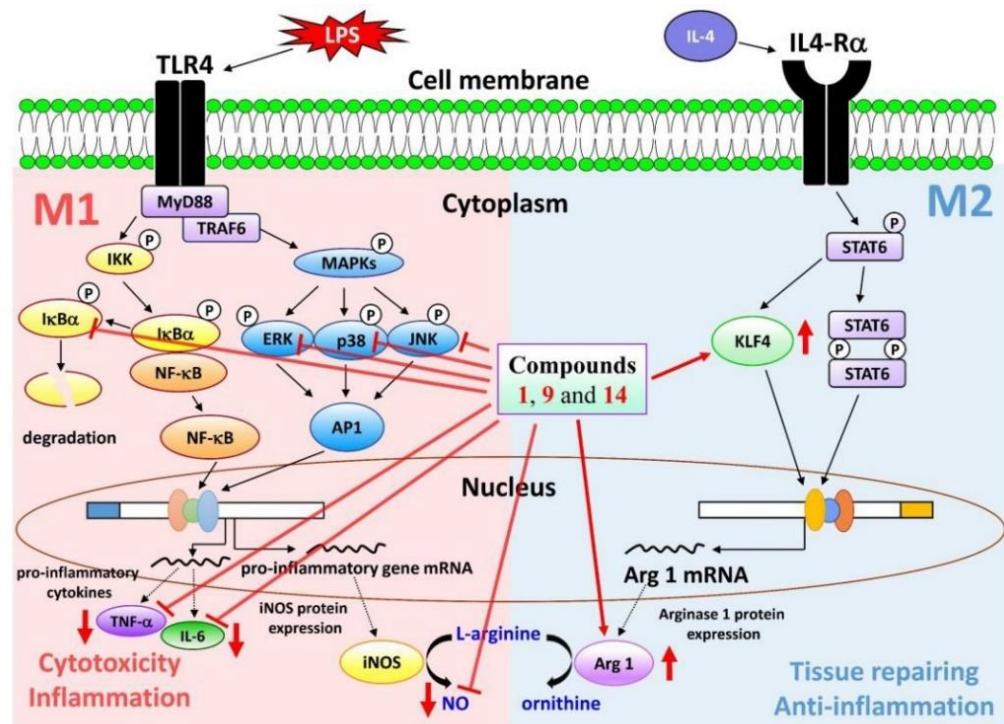


1 $R_1 = \text{Me}$, $R_2 = \text{H}$

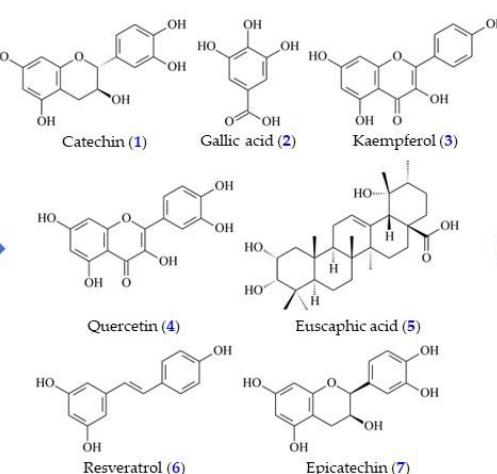
2 $R_1 = R_2 = \text{H}$

3 $R_1 = \text{H}$, $R_2 = \text{OMe}$

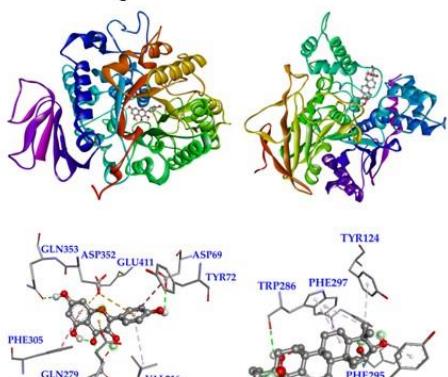
New compounds



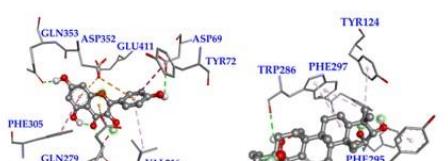
Dried root of *Ampelopsis japonica*



Molecular docking of 3 and α -glucosidase



Molecular docking of 5 and AChE

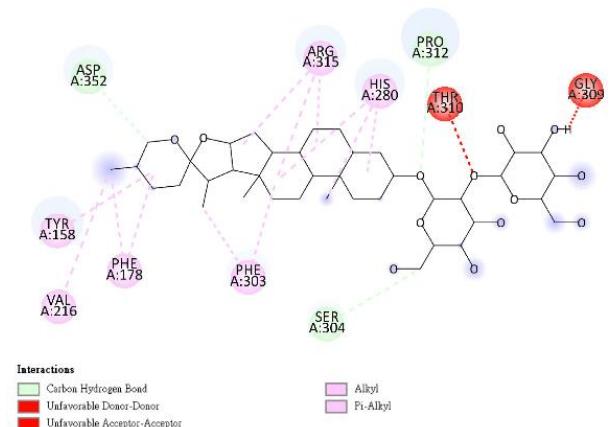
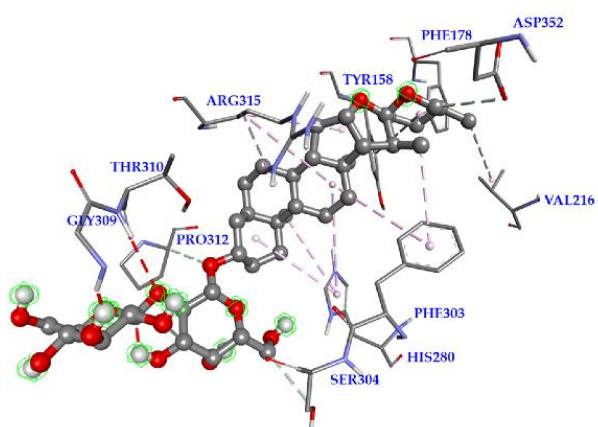
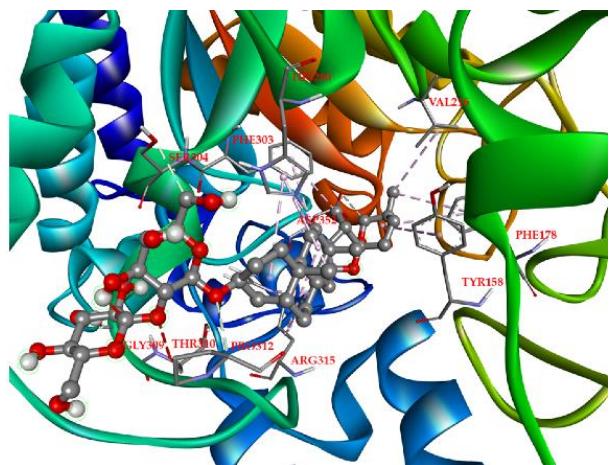
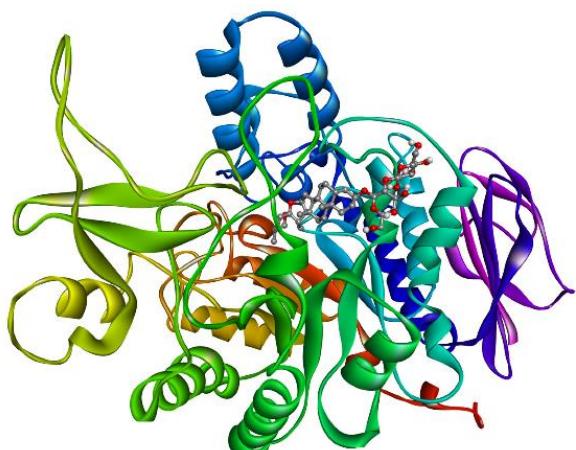


Antioxidant activities of 1-7

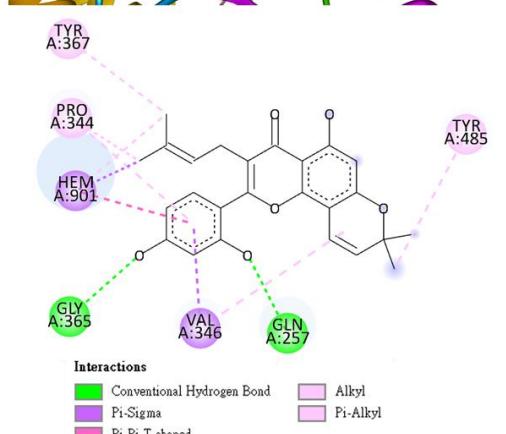
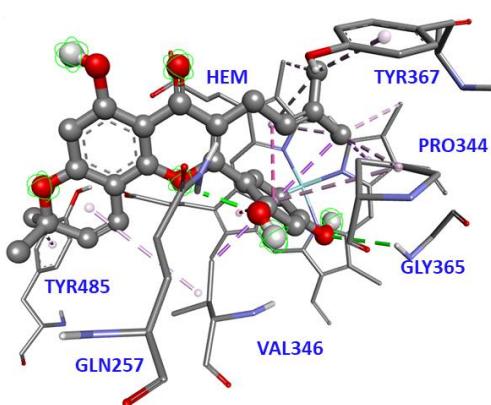
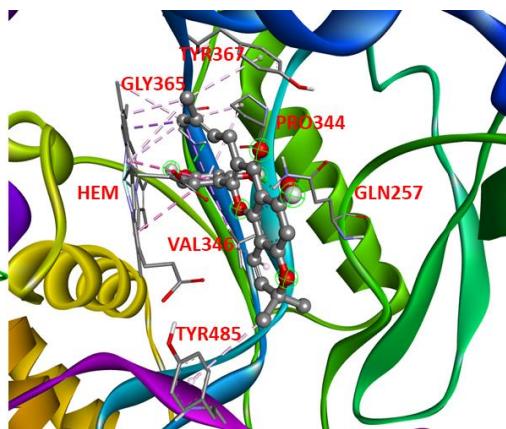
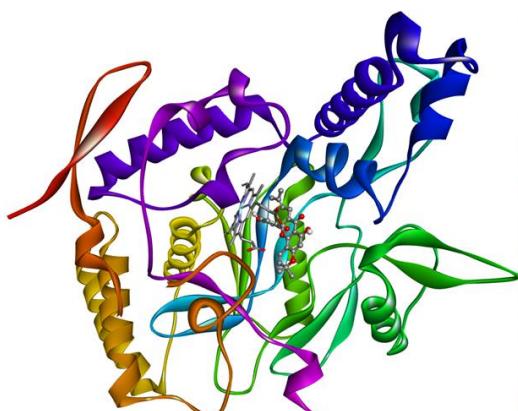
Compounds	DPPH IC_{50} ($\mu\text{g/mL}$)	ABTS IC_{50} ($\mu\text{g/mL}$)	Superoxide IC_{50} ($\mu\text{g/mL}$)	FRAP (mM/g) (TE)
1	10.08 \pm 3.09 **	2.23 \pm 0.22 **	64.43 \pm 7.73 *	8729.33 \pm 424.55 ***
2	2.60 \pm 0.67 *	1.45 \pm 0.14 **	47.40 \pm 3.01 *	28512.82 \pm 43.27 ***
3	12.48 \pm 3.01 **	5.24 \pm 0.45 *	N.A.	7912.47 \pm 220.08 ***
4	3.36 \pm 0.58 **	3.15 \pm 0.49 *	31.89 \pm 2.03 **	16038.26 \pm 86.89 ***
5	> 400	> 400	> 400	8.67 \pm 3.83 *
6	13.19 \pm 4.78 *	2.81 \pm 0.12 **	66.16 \pm 5.23 *	7453.94 \pm 60.09 ***
7	2.78 \pm 0.25 *	3.78 \pm 0.03 **	41.76 \pm 4.20 *	13122.77 \pm 182.42 ***

Anti- α -Glucosidase and AChE inhibitory activities of 1-7

Compounds	α -Glucosidase IC_{50} ($\mu\text{g/mL}$)	AChE IC_{50} ($\mu\text{g/mL}$)
1	81.78 \pm 11.58 **	26.35 \pm 9.55 **
2	> 400	41.59 \pm 7.57 *
3	5.81 \pm 2.70 **	55.04 \pm 8.57 **
4	14.39 \pm 5.93 **	66.34 \pm 5.09 **
5	20.38 \pm 2.13 *	11.64 \pm 2.69 **
6	28.81 \pm 5.65 *	80.75 \pm 9.21 **
7	88.73 \pm 10.94 *	53.38 \pm 7.30 *

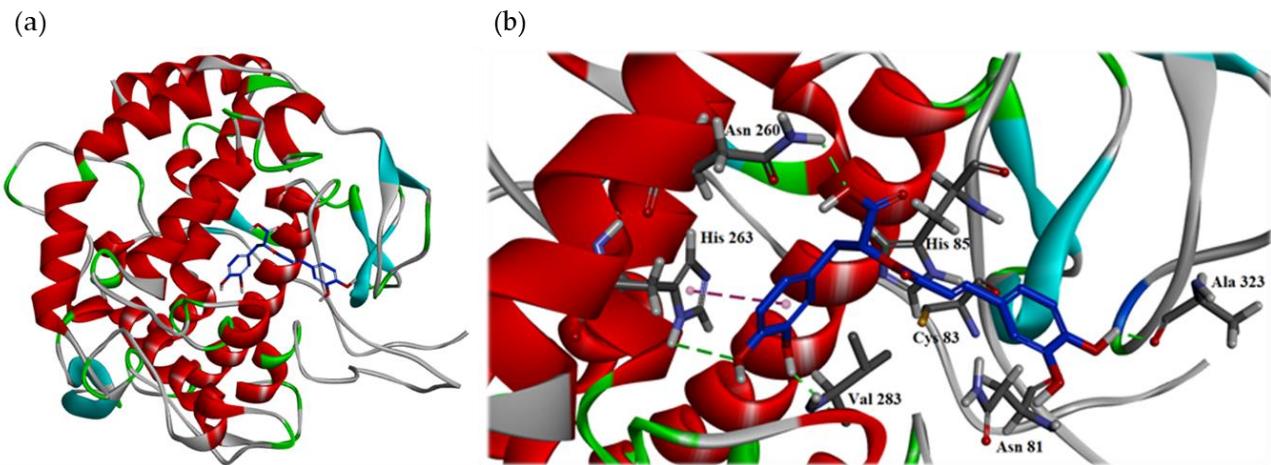


Interaction of timosaponin A-III with active sites of *S. cerevisiae* α -glucosidase.

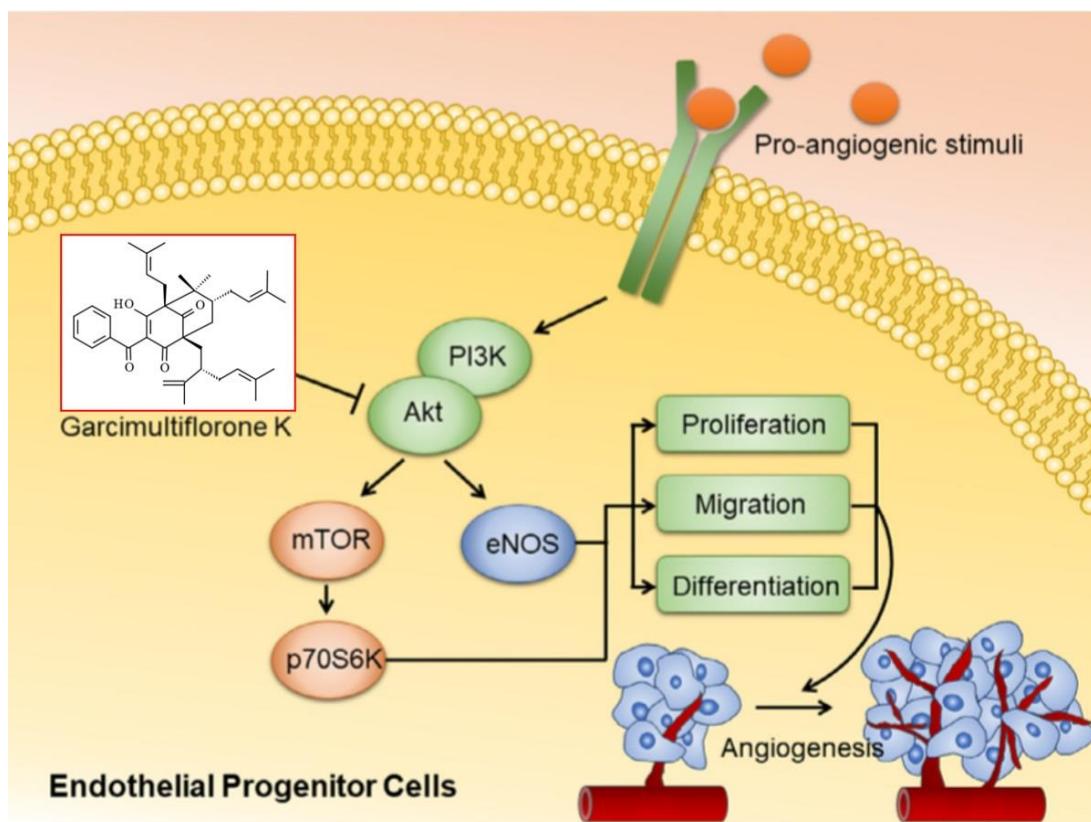
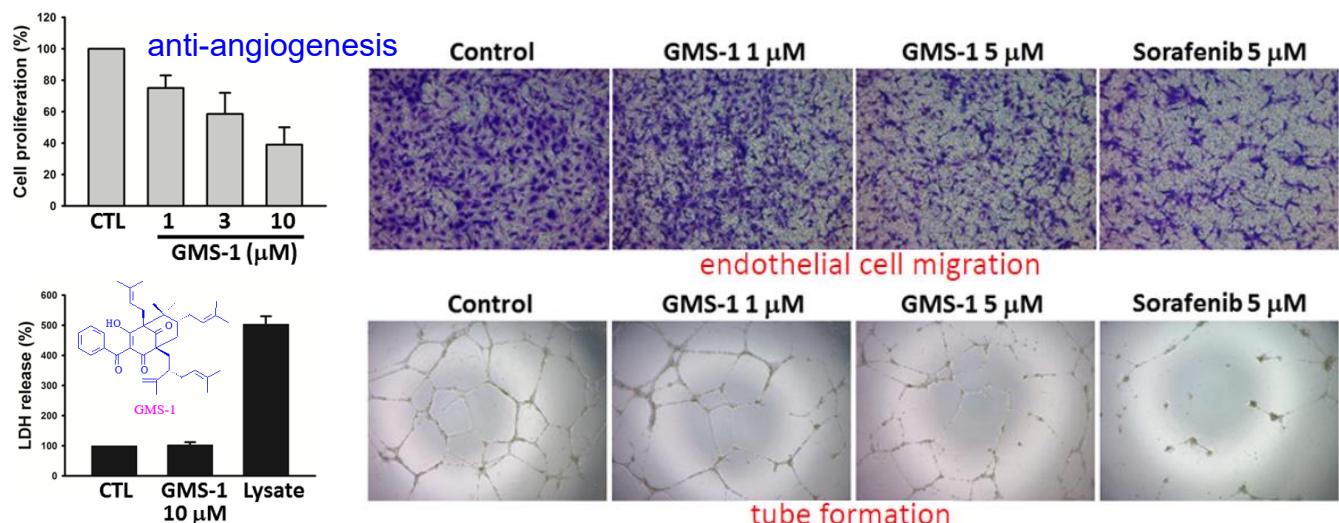


Interaction of morusin (2) with active sites of *Mus musculus* iNOS.

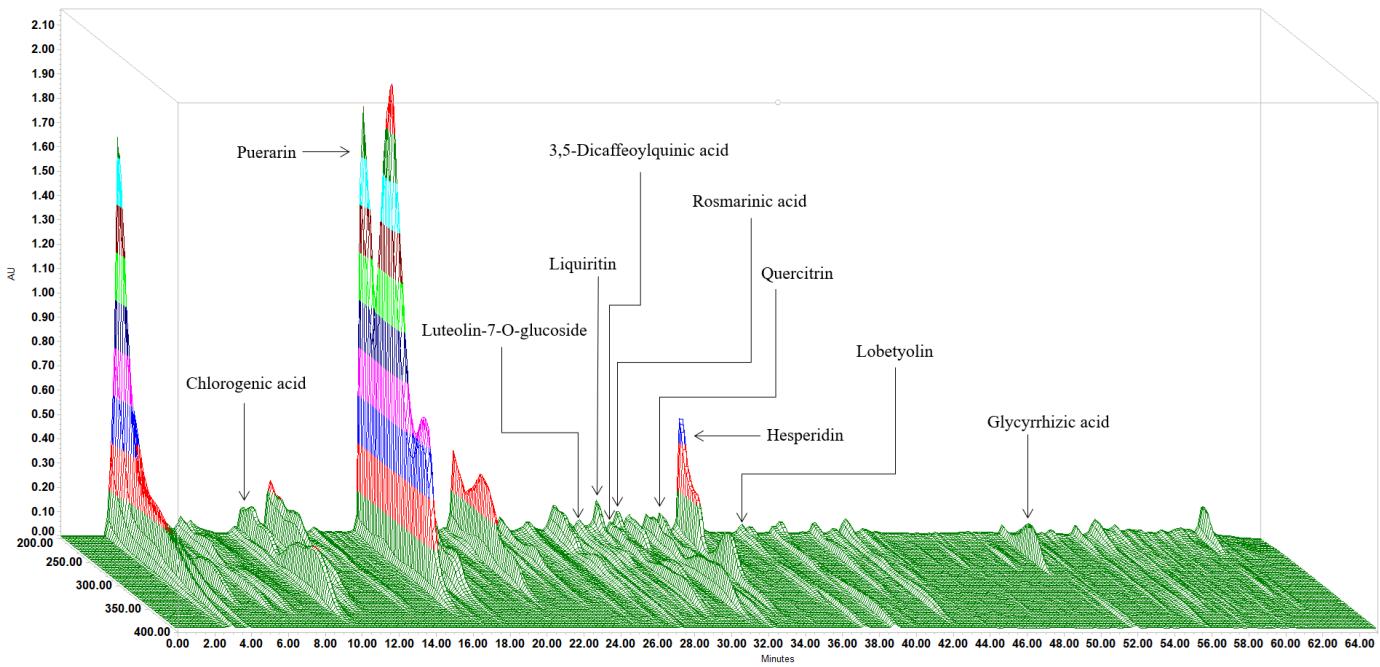
Current research :



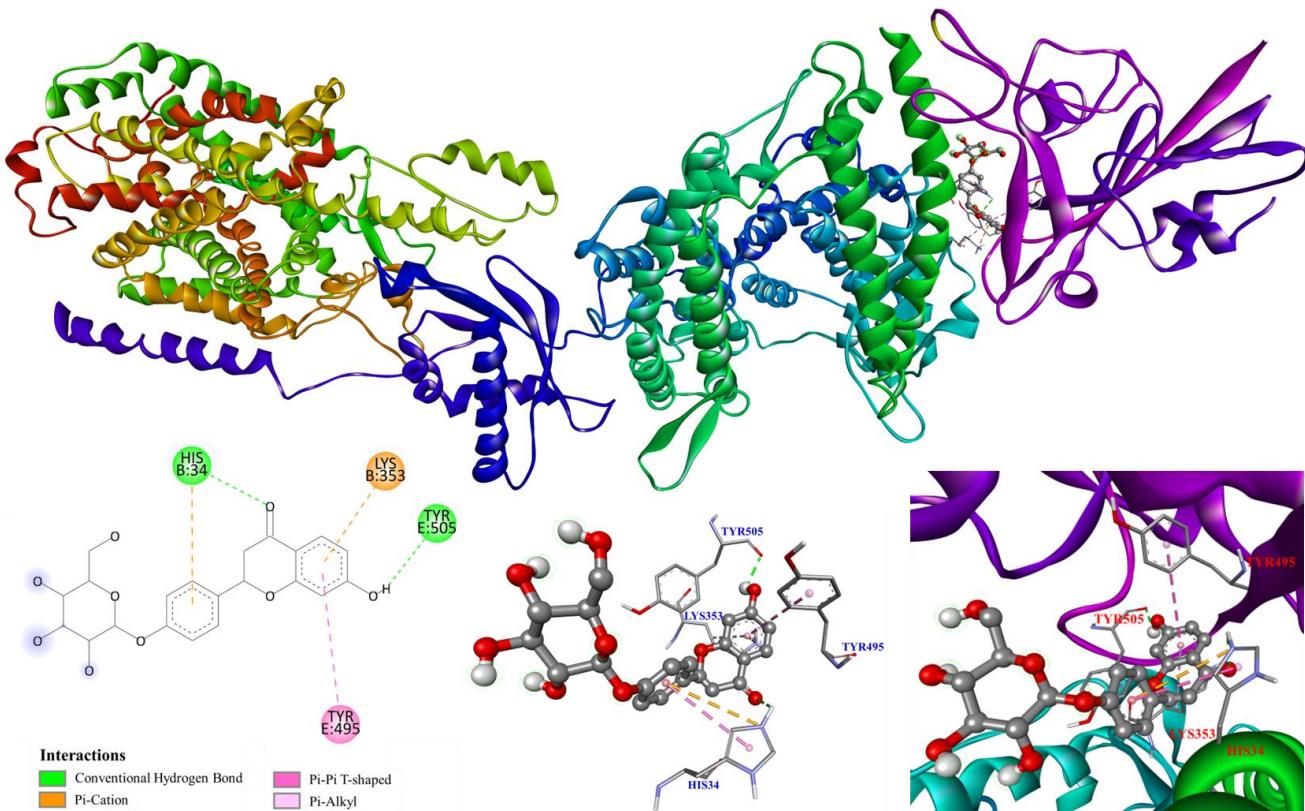
Interaction of rosmarinic acid with the active sites of mushroom tyrosinase.



Garcimultiflorone K impairs EPCs angiogenesis via mechanisms involving both the Akt/mTOR/ p70S6K and Akt/eNOS signaling pathways.



Chromatographic fingerprints of PAFYY from 3D-HPLC/PDA.



Interactions of liquiritin between SARS-CoV-2-RBD and ACE2 in silico.

專利

1. 厚朴萃取之新聯苯化合物及生物活性成分及製備方法 (發明第 I515004 號)
2. 具抗發炎活性之黃酮類化合物，及 5,3'-二羥基-7,4'-二甲氧基黃酮之用途用 (發明第 I533880 號)
3. 白蠟樹萃取之新裂環烯醚萜及生物活性成分及其製備方法 (發明第 I568443 號)
4. 化合物及其醫藥組合物、用途及萃取方法 (發明第 I574966 號)
5. 恆春福木酮 K 的用途 (發明第 I593407 號)
6. 化合物及其醫藥組合物、用途及萃取自枇杷葉之方法 (發明第 I640505 號)
7. 化合物及其醫藥組合物、用途及萃取自檸檬黃青黴之方法 (發明第 I764744 號)
8. 化合物及其醫藥組合物、用途及萃取自佩蘭之方法 (發明第 I768946 號)

9. 己二烯-3,4 二酮類或喹噁啉類化合物或其醫藥學上可接受之鹽用於製備抑制胰臟癌之藥物的用途
(發明第 I776736 號)
10. 新穎化合物及其醫藥組合物、用途及萃取自檸檬黃青黴之方法(發明第 I773607 號)
11. 含硒元素的查爾酮化合物及其製備方法、包含其的醫藥組合物、以及用於製備預防或治療大腸癌之醫藥組合物的用途 (發明第 111136035 號)

期刊論文 (Journal publication)

1. Ian-Lih Tsai, Wine-Show Sheen, Jih-Jung Chen, Ih-Sheng Chen. Isolation of constituents from the leaves of *Syzygium tripinnatum*. *The Chinese Pharmaceutical Journal* 1994, 46 (5), 401-412. {1994. 10}
2. Ih-Sheng Chen, Jih-Jung Chen, Ian-Lih Tsai. Alkaloids from *Hernandia sonora*. *Phytochemistry* 1995, 40 (3), 983-986. {1995. 10} (SCI, 2021 IF = 4.004) (Ranking in Plant Sciences: 53/238 = 22.2 %)
3. Ih-Sheng Chen, Jih-Jung Chen, Ian-Lih Tsai, Ya-Ling Chang, Che-Ming Teng. New p-quinonoid aporphine alkaloids and antiplatelet aggregation constituents of *Hernandia sonora*. *Planta Medica* 1995, 61 (6), 537-539. {1995. 12} (SCI, 2021 IF = 3.007) (Ranking in Plant Sciences: 85/238 = 35.7 %)
4. Jih-Jung Chen, Ian-Lih Tsai, Ih-Sheng Chen. New oxoaporphine alkaloids from *Hernandia nymphaeifolia*. *Journal of Natural Products* 1996, 59 (2), 156-158. {1996. 02} (SCI, 2022 IF = 5.1) (Ranking in Ranking in Pharmacology & Pharmacy: 56/278 = 20.1 %).
5. Ih-Sheng Chen, Jih-Jung Chen, Ian-Lih Tsai. N-Formyl- and N-hydroxyaporphine alkaloids from Formosan *Hernandia nymphaeifolia*. *Heterocycles* 1996, 43 (4), 799-807. {1996. 04} (SCI, 2021 IF = 0.689)
6. Jih-Jung Chen, Ian-Lih Tsai, Tsutomu Ishikawa, Chyi-Jia Wang, Ih-Sheng Chen. Alkaloids from trunk bark of *Hernandia nymphaeifolia*. *Phytochemistry* 1996, 42 (5), 1479-1484. {1996. 07} (SCI, 2021 IF = 4.004) (Ranking in Plant Sciences: 53/238 = 22.2 %)
7. Jih-Jung Chen, Tsutomu Ishikawa, Chang-Yih Duh, Ian-Lih Tsai, Ih-Sheng Chen. New dimeric aporphine alkaloids and cytotoxic constituents of *Hernandia nymphaeifolia*. *Planta Medica* 1996, 62 (6), 528-533. {1996. 12} (SCI, 2021 IF = 3.007) (Ranking in Plant Sciences: 85/238 = 35.7 %)
8. Ih-Sheng Chen, Jih-Jung Chen, Chang-Yih Duh, Ian-Lih Tsai, Chin-Teng Chang. New aporphine alkaloids and cytotoxic constituents of *Hernandia nymphaeifolia*. *Planta Medica* 1997, 63 (2), 154-157. {1997. 04} (SCI, 2021 IF = 3.007) (Ranking in Plant Sciences: 85/238 = 35.7 %)
9. Ih-Sheng Chen, Jih-Jung Chen, Chang-Yih Duh, Ian-Lih Tsai. New cytotoxic lignans from Formosan *Hernandia nymphaeifolia*. *Phytochemistry* 1997, 45 (5), 991-996. {1997. 07} (SCI, 2021 IF = 4.004) (Ranking in Plant Sciences: 53/238 = 22.2 %)
10. Ih-Sheng Chen, Inn-Wha Tsai, Che-Ming Teng, Jih-Jung Chen, Ya-Ling Chang, Feng-Nien Ko, Matthias C. Lu, John M. Pezzuto. Pyranoquinoline alkaloids from *Zanthoxylum simulans*. *Phytochemistry* 1997, 46 (3), 525-529. {1997. 10} (SCI, 2021 IF = 4.004) (Ranking in Plant Sciences: 53/238 = 22.2 %)
11. Jih-Jung Chen, Chang-Yih Duh and Ih-Sheng Chen. New tetrahydroprotoberberine N-oxide alkaloids and cytotoxic constituents of *Corydalis tashiroi*. *Planta Medica* 1999, 65 (7), 643-647. {1999. 10} (SCI, 2021 IF = 3.007) (Ranking in Plant Sciences: 85/238 = 35.7 %)
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(Ranking in Biochemistry & Molecular Biology: 69/296 = 23.3 %)

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學會

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研究計畫

1. 88 年國科會專題研究計畫：台灣黃董之心臟血管活性成分之研究 (NSC 88-2314-B-127-001)
2. 89 年國科會專題研究計畫：薄葉風藤之化學及抗癌成分之研究 (NSC 89-2320-B-127-009)
3. 90 年國科會專題研究計畫：台灣產矮菊、三葉花椒、山刈葉果實之化學及抗血小板凝集成分之研究 (NSC 90-2320-B-127-001)
4. 91 年國科會專題研究計畫：蘭嶼福木之化學及抗結核病成分之研究 (NSC 91-2320-B-127-006)
5. 92 年國科會專題研究計畫：華河瓊楠、小葉莢蒾與見風紅之化學及抗癌成分之研究 (NSC 92-2320-B-127-004)
6. 93 年國科會專題研究計畫：福建賽衛矛、彎花醉魚木與台灣厚距花之化學與抗結核病成分之研究 (1/2) (NSC 93-2320-B-127-006)
7. 93 年生技製藥國家型科技計畫：天然資源中新先導藥物之探索(II~IV)-台灣產植物抗癌活性成分之研究(II) (NSC 93-2320-B-037-001)
8. 93 年農委會科技計畫：西印度櫻桃葉部之化學與抗癌成分之研究 (93AS-2.3.3-FB-e2(3))
9. 94 年國科會專題研究計畫：福建賽衛矛、彎花醉魚木與台灣厚距花之化學與抗結核病成分之研究 (2/2) (NSC 94-2320-B-127-001)
10. 94 年農委會科技計畫：三葉花椒莖材部之化學與抗癌成分之研究 (94AS-11.2.2-FB-e2)
11. 94 年生技製藥國家型科技計畫：天然資源中新先導藥物之探索(II~IV)-台灣產植物抗癌活性成分之研究(III) (NSC 94-2320-B-037-001)
12. 94 年產學合作計畫：全緣卷柏化學成分之分析 (仁合 93045)
13. 95 年國科會專題研究計畫：箭葉鳳尾蕨、菲律賓石梓、南台灣黃芩與台灣厚距花之化學與抗結核病成分之研究(I) (NSC 95-2320-B-127-001-MY3)

14. 95 年生技製藥國家型科技計畫：天然資源中新先導藥物之探索(II~IV)-台灣產植物抗癌活性成分之研究(IV) (NSC 95-2320-B-037-001)
15. 95 年產學合作計畫：台灣石楠化學成分之分析(仁合 94066)
16. 96 年國科會專題研究計畫：箭葉鳳尾蕨、菲律賓石梓、南台灣黃芩與台灣厚距花之化學與抗結核病成分之研究(II) (NSC 95-2320-B-127-001-MY3)
17. 96 年產學合作計畫：台灣馬錢化學成分之分析 (仁合 95087) (96.01.01~97.12.31)
18. 97 年國科會專題研究計畫：箭葉鳳尾蕨、菲律賓石梓、南台灣黃芩與台灣厚距花之化學與抗結核病成分之研究(III) (NSC 95-2320-B-127-001-MY3)
19. 97 年產學合作計畫：薑黃化學成分之分析(仁合 96060) (97.01.01~98.12.31)
20. 98 年國科會專題研究計畫：六種臺灣產植物之化學成分及抗發炎活性之研究(1/3) (NSC 98-2320-B-127-001-MY3) (98.08.01~99.07.31)
21. 98 年國科會專題研究計畫：探討蘭嶼花椒於人類嗜中性白血球藉由活化 protein phosphatase 2A (PP2A) 調控 cAMP 含量之機轉研究，並且保護肝臟免於缺血性再灌流之損傷 (1/3) (NSC 98-2320-B-182-018-MY3) (共同主持人) (98.08.01~99.07.31)
22. 99 年國科會專題研究計畫：六種臺灣產植物之化學成分及抗發炎活性之研究(2/3) (NSC 98-2320-B-127-001-MY3) (99.08.01~100.07.31)
23. 99 年國科會專題研究計畫：探討蘭嶼花椒於人類嗜中性白血球藉由活化 protein phosphatase 2A (PP2A) 調控 cAMP 含量之機轉研究，並且保護肝臟免於缺血性再灌流之損傷 (2/3) (NSC 98-2320-B-182-018-MY3) (共同主持人) (99.08.01~100.07.31)
24. 100 年國科會專題研究計畫：六種臺灣產植物之化學成分及抗發炎活性之研究(3/3) (NSC 98-2320-B-127-001-MY3) (100.08.01~101.07.31)
25. 100 年國科會專題研究計畫：探討蘭嶼花椒於人類嗜中性白血球藉由活化 protein phosphatase 2A (PP2A) 調控 cAMP 含量之機轉研究，並且保護肝臟免於缺血性再灌流之損傷 (3/3) (NSC 98-2320-B-182-018-MY3) (共同主持人) (100.08.01~101.07.31)
26. 101 年國科會專題研究計畫：抗炎及抗登革熱活性天然物之研究(1/3) (NSC 101-2320-B-127-001-MY3) (101.08.01~102.07.31)
27. 101 年國科會專題研究計畫：探討石斑木成份藉由 PI3K 調控發炎免疫反應機轉及其動物肝臟缺血性再灌流傷害之研究 (1/3) (NSC 101-2320-B-182-019-MY3) (共同主持人) (101.08.01~102.07.31)
28. 102 年國軍左營總醫院醫學研究發展計畫：Studies on the Bioactive Natural Products with Anti- cancer Activities. (ZBH102-24) (102.01.01~102.12.31) (共同主持人)
29. 102 年國科會專題研究計畫：抗炎及抗登革熱活性天然物之研究(2/3) (NSC 101-2320-B- 127-001-MY3) (102.08.01~103.07.31)
30. 102 年國科會專題研究計畫：探討石斑木成份藉由 PI3K 調控發炎免疫反應機轉及其動物肝臟缺血性再灌流傷害之研究 (2/3) (NSC 101-2320-B-182-019-MY3) (共同主持人) (102.08.01~103.07.31) (1080000)
31. 103 年國科會專題研究計畫：抗炎及抗登革熱活性天然物之研究(3/3) (NSC 101-2320-B- 127-001-MY3) (103.08.01~104.07.31)
32. 103 年國科會專題研究計畫：探討石斑木成份藉由 PI3K 調控發炎免疫反應機轉及其動物肝臟缺血性再灌流傷害之研究 (3/3) (NSC 101-2320-B-182- 019-MY3) (共同主持人) (103.08.01~104.07.31)
33. 104 國軍左營總醫院醫學研究發展計畫：Studies on the Anti-cancer Constituents of Formosan Plants (ZBH 104-21) (104.01.01~104.12.31)
34. 105 年科技部專題研究計畫：抗登革熱及抗炎活性天然物之研究(MOST 105-2320-B-010-040) (主持人) (105.08.01~106.07.31)(核定金額: 1100000)

35. 105 科技部專題研究計畫：探討細本葡萄調節人類血小板及嗜中性白血球交互作用---天然物調控嗜中性白血球活性，進而抑制活化的血小板刺激嗜中性細胞外陷阱捕捉之研究(MOST 105-2320-B-182-004-MY3) (共同主持人) (105.08.01~106.07.31) (核定金額: 1250000)
36. 105 科技部產學技術聯盟合作計畫：中藥及保健產品產業生物活性評估與試量產製程技術服務聯盟計畫(1/3) (MOST 105-2622-8-127-002 -TE4) (共同主持人) (105.02.01~ 106.1.31) (1133000)
37. 105 大仁科技大學產學合作計畫：台灣老藤化學成分之分析(仁合 105016) (主持人) (105.01.01~ 106.12.31)
38. 105 學界協助中小企業科技關懷跨域整合計畫：牛樟芝之成分分析、效能評估與製劑的建立 (PS105150149) (主持人) (105.05.01~105.10.31) (72000)
39. 105 國軍左營總醫院醫學研究發展計畫：天然資源抗癌先導藥物之研究(Studies on Anti-cancer prodrugs from Natural Resources) (ZBH 105-25) (105.01.01~105.12.31)
40. 105 國軍左營總醫院醫學研究發展計畫：抗登革熱活性天然物之研究(Studies on the Bioactive Natural Products with Anti-dengue Activities) (ZBH 105-26) (105.01.01~ 105.12.31)
41. 106 國軍左營總醫院醫學研究發展計畫：台灣產植物抗登革熱活性成分之研究 (Studies on the Bioactive Constituents with Anti-dengue Activity from Formosan Plants) (ZBH 106-24) (106.01.01~106.12.31) (500000)
42. 106 國軍高雄總醫院左營分院醫學研究發展計畫：天然資源抗癌活性成分之研究 (Studies on Bioactive Constituents with Anticancer Activities from Natural Resources) (ZBH 106-25) (106.01.01~106.12.31) (360000)
43. 107 國軍高雄總醫院左營分院醫學研究發展計畫：天然資源抗登革熱活性成分之研究 (Studies on Bioactive Constituents with Anti-dengue Activities from Natural Resources) (ZBH 107-27) (107.01.01~107.12.31) (500000)
44. 106 年科技部專題研究計畫：台灣產植物抗登革熱與抗炎活性成分之研究(MOST 106-2320-B-010-033-MY3) (主持人) (106.08.01~109.07.31) (核定金額: 4705000)
45. 106 年科技部延攬科技人才計畫：台灣產植物抗登革熱與抗炎活性成分之研究(MOST 106-2811-B-010-042) (主持人) (106.09.01~109.07.31) (核定金額: 768064)
46. 107 國立陽明大學產學合作研究計畫：藥材品質管制平台之建置 (107J019) (主持人) (107.05.01~109.04.30) (核定金額: 300000)
47. 108 年科技部專題研究計畫：白木香莖皮萃取物調節發炎的探討---天然物調控人類嗜中性白血球以及人類嗜中性白血球細胞外陷阱捕捉之研究 (MOST 108-2320-B-182-025-MY3) (108.08.01~111.07.31) (核定金額: 4900000) (共同主持人)
48. 109~111 年科技部專題研究計畫：台灣產植物抑制血管增生及抗癌活性成分之研究(MOST 109-2320-B-010-029-MY3) (主持人) (109.08.01~112.07.31)
49. 112~114 年國科會專題研究計畫：以活性導向分離法研究台灣產植物之抗炎及降血糖成分(NSTC 112-2320-B-A49-028-MY3) (核定金額: 5040000) (主持人) (112.08.01~115.07.31)

研究生

- 方暉喻 (Hui-Yu Fang) 碩士 2005 蘭嶼花椒根皮及三葉花椒葉部之化學成分與其細胞毒活性之研究 (Studies on the Chemical Constituents and their Cytotoxic Activities from the Root Bark of *Zanthoxylum integrifoliolum* and the Leaves of *Z. pistaciiflorum*)；期刊發表：*Planta Medica* 2005, 71 (5), 470-475.
- 李信興 (Hsinn-Hsing Lee) 碩士 2005 西印度櫻桃葉部及三葉花椒莖材部化學與細胞毒活性成分之研究 (Studies on the Chemical and Cytotoxic Constituents from the Leaves of *Muntingia calabura* and the Stem Woods of *Zanthoxylum pistaciiflorum*)；期刊發表：*Planta Medica* 2005, 71 (10), 970-973.

3. 周恩慈 (En-tzu Chou) 碩士 2006 華河瓊楠莖部與葉部之化學成分及生物活性之研究 (Studies on the chemical constituents and biological activities from the stem and leaves of *Beilschmiedia tsangii*)；期刊發表：*Planta Medica* 2006, 72 (4), 351-357; *Planta Medica* 2007, 73 (6), 567-571.
4. 黃士俞 (Shi-Yu Huang) 碩士 2006 黃槿莖材部與葉部及蘭嶼花椒莖材部之化學成分及細胞毒活性之研究 (Studies on the Chemical Constituents and Cytotoxic Activities from the Stem Wood and Leaves of *Hibiscus tiliaceus* and the Stem Wood of *Zanthoxylum integrifoliolum*)；期刊發表：*Planta Medica* 2006, 72 (10), 935-938.
5. 周宗賢 (Tsung-Hsien Chou) 碩士 2006 福建賽衛矛莖部與根部之化學成分及細胞毒活性之研究 (Studies on the Chemical Constituents and Cytotoxic Activities from the Stem and Root of *Microtropis fokienensis*) (現職：屏東縣衛生局醫政科科長)；期刊發表：*Journal of Natural Products* 2006, 69 (4), 685-688; *Journal of Natural Products* 2007, 70 (2), 202-205.
6. 陳柏豪 (Po-Hou Chen) 碩士 2007 蘭嶼花椒莖材與葉部之化學成分及生物活性之研究 (Studies on the Chemical Constituents and Biological Activities from the Stem Wood and Leaves of *Zanthoxylum integrifoliolum*)；期刊發表：*Journal of Natural Products* 2007, 70 (9), 1444-1448.
7. 羅玉婷 (Yu-Ting Luo) 碩士 2007 台灣石楠莖部及台灣馬錢根部之化學成分及生物活性之研究 (Studies on the Chemical Constituents and Biological Activities from the Stem of *Pourthiae lucida* and the Root of *Strychnos cathayensis*)；期刊發表：*Chemistry & Biodiversity* 2008, 5 (7), 1345-1352; *Chemistry & Biodiversity* 2009, 6 (5), 774-778.
8. 林文就 (Wen-Jiou Lin) 碩士 2007 樟芝子實體及台灣石楠葉部之化學成分及生物活性之研究 (Studies on the Chemical Constituents and BiologicalActivities from the Fruiting Bodies of *Antrodia camphorata* and the Leaves of *Pourthiae lucida*)；期刊發表：*Journal of Natural Products* 2007, 70 (6), 989-992.
9. 卓瑞瑛 (Jui-Ying Cho) 碩士 2008 Studies on the Chemical Constituents and Anti- inflammatory Activities from the Fruit of *Melicope semecarpifolia* and the Leaves of *Zanthoxylum avicennae*；期刊發表：*Journal of Natural Products* 2008, 71 (1), 71-75.
10. 王姿穎 (Zih-Ying Wang) 碩士 2008 狗花椒莖材部之化學成分及抗發炎活性之研究 (Studies on the Chemical Constituents and Anti-inflammatory Activities from the Stem Wood of *Zanthoxylum avicennae*)；期刊發表：*Journal of Natural Products* 2008, 71 (2), 212-217.
11. 楊昌勳 (Chang-Syun Yang) 碩士 2008 日本賽衛矛莖材部之化學成分及抗結核活性之研究 (Studies on the Chemical Constituents and Antitubercular Activities from the Stem of *Microtropis japonica*)；期刊發表：*Journal of Natural Products* 2008, 71 (6), 1016-1021.
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13. 鍾靜宜 (Ching-Yi Chung) 碩士 2009 食茱萸莖皮之化學成分及抗發炎活性之研究 (Studies on the Chemical Constituents and Anti-inflammatory Activities from the Stem Bark of *Zanthoxylum ailanthoides*)；期刊發表：*Journal of Natural Products* 2009, 72 (1), 107-111.
14. 吳鴻銘 (Hung-Ming Wu) 碩士 2009 細葉紫珠枝葉之化學成分及抗結核活性之研究 (Studies on the Chemical Constituents and Antitubercular Activities from the Leaves and Twigs of *Callicarpa pilosissima*)；期刊發表：*Journal of Natural Products* 2009, 72 (2), 223-228.
15. 陳子俊 (Tz-Chun Chen) 碩士 2009 西印度櫻桃根部化學成分與生物活性之研究 (Studies on the chemical constituents and biological activities from the root of *Muntingia calabura*)
16. 黃聖秀 (Sheng-Shiou Huang) 碩士 2009 大葉桃花心木果實之化學成分及抗發炎活性之研究 (Studies on the Chemical Constituents and Anti- inflammatory Activities from the Fruit of *Swietenia macrophylla*)；期刊發表：*Food Chemistry* 2010, 120 (2), 379-384.
17. 洪信智 (Hsin-Chih Hung) 碩士 2010 呂宋青藤根部之化學成分及細胞毒活性之研究 (Studies on the Chemical Constituents and Cytotoxic Activities from the Root of *Illigera luzonensis*)；期刊發表：*Phytochemistry* 2011, 72 (6), 523-532.
18. 林昱私 (Yu-Hsien Lin) 碩士 2010 雙面刺莖材之化學成分及抗發炎活性之研究 (Studies on the Chemical Constituents and Anti-inflammatory Activities from the Stem Wood of *Zanthoxylum nitidum*)；期刊發表：*Food Chemistry* 2011, 125 (2), 282-287.

19. 簡勝淦 (Sheng-Kan Chien) 碩士 2010 六翅木莖部之化學成分及抗發炎活性之研究 (Studies on the Chemical Constituents and Anti-inflammatory Activities from the Stem of *Berrya ammonilla*)；期刊發表：*Planta Medica* 2012, 78 (9), 919-925.
20. 蔡允禎 (Yun-Chen Tsai) 碩士 2011 臺灣澤蘭地上部之化學成分及抗發炎活性之研究 (Studies on the Chemical Constituents and Anti-inflammatory Activities from the Aerial Part of *Eupatorium cannabinum* subsp. *asiaticum*)；期刊發表：*Journal of Natural Products* 2011, 74 (5), 1021-1027.
21. 鄭霖陽 (Lin-Yang Cheng) 碩士 2011 馬拉巴栗莖部之化學成分及抗發炎活性之研究 (Studies on the Chemical Constituents and Anti-inflammatory Activities from the Stem of *Pachira aquatica*)；期刊發表：*Fitoterapia* 2017, 117, 16-21.
22. 伍怡瑾 (Yi-Chin Wu) 碩士 2011 穗花山奈根莖之化學成分及抗發炎活性之研究 (Studies on the Chemical Constituents and Anti-inflammatory Activities from the Rhizome of *Hedychium coronarium*)；期刊發表：*International Journal of Molecular Sciences* 2013, 14 (7), 13063-13077.
23. 蔡承軒 (Cheng-Shuan Tsai) 碩士 2011 薑黃根莖之化學成分及抗發炎活性之研究 (Studies on the Chemical Constituents and Anti-inflammatory Activities from the Rhizome of *Curcuma longa*)；期刊發表：*Food Chemistry* 2010, 119 (3), 974-980.
24. 楊捷凱 (Chieh-Kai Yang) 碩士 2012 狗花椒莖皮之化學成分及抗發炎活性之研究 (Studies on the Chemical Constituents and Anti-inflammatory Activities from the Stem Bark of *Zanthoxylum avicennae*)；期刊發表：*International Journal of Molecular Sciences* 2015, 16 (5), 9719-9731.
25. 陳晉彥 (Chin-Yen Chen) 碩士 2012 白蠟樹莖皮之化學成分及抗發炎活性之研究 (Studies on the Chemical Constituents and Anti-inflammatory Activities from the Stem Bark of *Fraxinus chinensis*)
26. 陳景祥 (Ching-Hsiang Chen) 碩士 2012 補骨脂果實之化學成分及抗發炎活性之研究 (Studies on the Chemical Constituents and Anti-inflammatory Activities from the Fruits of *Psoralea corylifolia*)；期刊發表：*Phytochemistry* 2017, 143, 186-193.
27. 陳源智 (Yuan-chih Chen) 碩士 2012 蛇床果實之化學成分及抗發炎活性之研究 (Studies on the Chemical Constituents and Anti-inflammatory Activities from the Fruits of *Cnidium monnieri*)；期刊發表：*International Journal of Molecular Sciences* 2014, 15 (6), 9566-9578.
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29. 吳美伶 (Me-Lin Wu) 碩士 2013 射干根莖之化學成分及抗發炎活性之研究 (Studies on the Chemical Constituents and Anti-inflammatory Activities from the Rhizome of *Belamcanda chinensis*)
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