

王凱立老師學術成果一覽表

國內外期刊

代表著作

1. **Wang KL**, Yu YC, Chen HY, Chiang YF, Ali M, Shieh TM, Hsia SM* “Recent advances in Glycyrrhiza glabra (licorice)-containing herbs alleviating radiotherapy- and chemotherapy-induced adverse reactions in cancer treatment” Metabolites 2022, 12(6):535. (SCI, 5.581, Biochemistry (Q2), 第一作者)
2. **Wang KL**, Yu YC, Hsia SM* “Perspectives on the role of isoliquiritigenin in cancer” Cancers 2021, 13(1), 115. (SCI, 6.575, Oncology (Q1), 第一作者)
3. **Wang KL***, Hsia SM, Wang PS, Lin PH, Disturbed gastrointestinal contractility in a polycystic ovary syndrome rat model, Dig Dis Sci, 2020 Oct, 65(10):2834-2843. (SCI, 3.487, Physiology (Q2), 第一兼通訊作者，該篇論文獲選為該期刊當期封面)
4. Cho YM#, Chou JC#, Fang CM, Hu S, **Wang KL***, Wang SW*, Wang PS*：“Chronic intermittent hypoxia stimulate testosterone production in rat Leydig cells” Life Science 2019 15;233:116694. (SCI, 6.78, Medicine (Q1), 通訊作者)

其他著作

5. Chiang YF, Chung CP, Lin JH, Chiang W, Chen HY, Ali M, Shih YH, **Wang KL**, Huang TC, Chang HY, Lin LC, Shieh TM, Hsia SM* “Coix seed (C. lachryma-jobi L. var. ma-yuen Stapf) ethanolic extract fractions and sub-fractions induced cell cycle arrest and activated caspase-3 activity in human breast and cervical cancer cell lines” Molecules 2022 21;27(13):3984. (SCI, 6.064, Pharmaceutical Science (Q1))
6. Chen HY, Chiang YF, **Wang KL**, Huang TC, Ali M, Shieh TM, Chang HY, Hong YH*, Hsia SM: “Rice Husk Silica Liquid Protects Pancreatic β Cells from Streptozotocin-Induced Oxidative Damage” Antioxidants 2021 10(7), 1080. (SCI, 7.675, Clinical Biochemistry (Q1))
7. Chiang YF, Tsai CH, Chen HY, **Wang KL**, Chang HY, Huang YJ, Hong YH, Ali M, Shieh TM, Huang TC, Lin CI, Hsia SM: “Protective Effects of Fucoxanthin on Hydrogen Peroxide-Induced Calcification of Heart Valve Interstitial Cells” Mar Drugs 2021 May 26;19(6):307. (SCI, 6.085, Pharmaceutical Science (Q1))
8. Chang YH, Chiang YF, Chen HY, Huang YJ, **Wang KL**, Hong YH, Ali M, Shieh TM, Hsia SM. “Anti-Inflammatory and Anti-Hyperuricemic Effects of Chrysin on a High Fructose Corn Syrup-Induced Hyperuricemia Rat Model via the Amelioration of Urate Transporters and Inhibition of NLRP3 Inflammasome Signaling Pathway” Antioxidants 2021 10(4), 564. (SCI, 7.675, Clinical Biochemistry (Q1))
9. Huang YJ, Chang CC, Wang YY, Chiang WC, Shih YH, Shieh TM, **Wang KL**, Ali M, Hsia SM. “Adlay Testa (Coix lachryma-jobi L. var. Ma-yuen Stapf.) Ethanolic Extract and Its Active Components

- Exert Anti-Proliferative Effects on Endometrial Cancer Cells *via* Cell Cycle Arrest” **Molecules** 2021 31;26(7):1966. (SCI, 6.064, Pharmaceutical Science (Q1))
10. Chen HY, Chiang YF, Huang JS, Huang TC, Shih YH, **Wang KL**, Ali M, Hong YH, Shieh TM, Hsia SM* “Isoliquiritigenin reverses epithelial-mesenchymal transition through modulation of the TGF- β /smad signaling pathway in endometrial cancer” **Cancers** 2021, 13(6), 1236. (SCI, 6.575, Oncology (Q1))
 11. Huang YJ, **Wang KL**, Chen HY, Chiang YF, Hsia SM. “Protective effects of epigallocatechin gallate (EGCG) on endometrial, breast, and ovarian cancers.” **Biomolecules** 2020 25;10(11):1481. (SCI, 6.064, Biochemistry (Q2))
 12. Chiang YF, Chen HY, Chang YJ, Shih YH, Shieh TM, **Wang KL**, Hsia SM “Protective effects of fucoxanthin on high glucose- and 4-hydroxynonenal (4-HNE)-induced injury in human retinal pigment epithelial cells” **Antioxidants** 2020 25;9(12):E1176. (SCI, 7.675, Clinical Biochemistry (Q1))
 13. Wong J, Chiang YF, Shih YH, Chiu CH, Chen HY, Shieh TM, **Wang KL**, Huang TC, Hong YH, Hsia SM. “*Salvia sclarea* L. essential oil extract and its antioxidative phytochemical sclareol inhibit oxytocin-induced uterine hypercontraction dysmenorrhea model by inhibiting the Ca²⁺-MLCK-MLC₂₀ signaling cascade: an *ex vivo* and *in vivo* study” **Antioxidants** 2020 14;9(10):991. (SCI, 7.675, Clinical Biochemistry (Q1))
 14. Lin PH, Chiang YF, Shieh TM, Chen HY, Shih CK, Wang TH, **Wang KL**, Huang TC, Hong YH, Li SC, Hsia SM “Dietary compound isoliquiritigenin, an antioxidant from licorice, suppresses triple-negative breast tumor growth *via* apoptotic death program activation in cell and xenograft animal models” **Antioxidants** 2020 10;9(3):228. (SCI, 7.675, Clinical Biochemistry (Q1))
 15. Lin PH, Kuo TH, Chen CC, Jian CY, Chen CW, **Wang KL**, Kuo YC, Shen HY, Hsia SM, Wang PS, Lieu FK, Wang SW “Downregulation of testosterone production through luteinizing hormone receptor regulation in male rats exposed to 17 α -ethynylestradiol.” **Sci Rep** 2020 31;10(1):1576. (SCI, 4.996, Multidisciplinary (Q1))
 16. Lin PH, Chang CC, Wu KH, Shih CK, Chiang WC, Chen HY, Shih YH, **Wang KL**, Hong YH, Shieh TM, Hsia SM* “Dietary glycotoxins, advanced glycation end products, inhibit cell proliferation and progesterone secretion in ovarian granulosa cells and mimic PCOS-like symptoms.” **Biomolecules** 2019 31;9(8) pii: E327. (SCI, 6.064, Biochemistry (Q2))
 17. Chen HY, Lin PH, Shih YH, **Wang KL**, Hong YH, Shieh TM, Huang TC Hsia SM “Natural antioxidant resveratrol suppresses uterine fibroid cell growth and extracellular matrix formation *in vitro* and *in vivo*” **Antioxidants** 2019 8(4), 99. (SCI, 7.675, Clinical Biochemistry (Q1))
 18. Kuan LY, Chen WL, Chen JH, Hsu FT, Liu TT, Chen WT, **Wang KL**, Chen WC, Liu YC, Wang WS “Magnolol induces apoptosis and inhibits ERK-modulated metastatic potential in hepatocellular carcinoma cells” **In Vivo** 2018 32: 1361-1368. (SCI, 2.406, Medicine (Q2))
 19. Chen HY, Huang TC, Lin LC, Shieh TM, Wue CH, **Wang KL**, Hong YH, Hsia SM “Fucoidan inhibits the proliferation of leiomyoma cells and decreases extracellular matrix-associated protein expression.” **Cellular Physiology and Biochemistry** 2018 49(5):1970-1986. (SCI, 3.321, Physiology (Q2))

20. Wu CH, Chen HY, Wang CW, Shieh TM, Huang TC, Lin LC, **Wang KL**, Hsia SM: "Isoliquiritigenin induces apoptosis and autophagy and inhibits endometrial cancer growth in mice" Oncotarget 2016 8;7(45):73432-73447.
21. Wu CH, Shieh TM, Wei LH, Cheng TF, Chen HY, Huang TC, **Wang KL**, Hsia SM: "Resveratrol inhibits proliferation of myometrial and leiomyoma cells and decreases extracellular matrix-associated protein expression." Journal of Functional Foods 2016 23: 241–252. (SCI, 5.223, Food Science (Q1))
22. **Wang KL**, Huang WC, Wang PS, Lieu FK, Hu S, Wang SW "Effects of acrolein on adrenal glands" Science Proceedings 2016 3:e1428.
23. **Wang KL**, Huang WC, Chou JC, Lieu FK, Idova G, Wang PS, Wang SW "Effects of acrolein on aldosterone release from zona glomerulosa cells in male rats" Steroids 2016 111:89-94. (SCI, 2.76, Organic Chemistry (Q2))

以上為近 7 年王凱立教師發表之期刊論文。其他研究成果及榮譽事蹟如下：

專利或發明

1. 第七屆高雄國際發明暨設計展，金牌獎：與開南商工老師合作，發展物體透視監測儀，可應用於地底金屬探測。
2. 第七屆高雄國際發明暨設計展，銀牌獎：與台大及開南商工老師合作，設計生質環保電熱膜：將稻穀玉米殼等農作物廢棄物，經燃燒碳化研磨後，製成可導電發熱的薄膜，可作為室內建材或服飾配件，供人保暖防止失溫，增進舒適度。特點：耐高溫、無毒、低成本。

專書及專書論文

1. 微生物免疫學。張讚昌、蕭明裕、邱南昌、王彰勳、尤封陵、林忠義；林育興、施玫玲、戴國峯、朱敬儀、盧冠霖、謝雅如、王瑜琦、**王凱立**、李文珍、李忠信。華格那出版社。2022.09。
2. 人體生理學(Vander's Human Physiology, 14/e)。王凱立、卓玉敏、林伯涵、夏詩閔、孫嘉宏、高美媚、張芝綾、陳美智、陳建璋、陳智傑、溫小娟、簡彩雲譯，王錫崗總校閱。藝軒圖書出版社。2017.9。
3. 簡明人體解剖生理學。吳求淳、賴明德、章慶堅、黃景鶴、林必寧、謝昌運、**王凱立**、蔡忠昌、林玉瓊、林宗輝、李佩穎著。華格那出版社。2015.01。
4. 人體生理學(Vander's Human Physiology, 12/e)。王凱立、余青翰、卓玉敏、林伯涵、夏詩閔、孫嘉宏、陳美智、張芝綾、黃薇如、簡彩雲譯，王錫崗總校閱。藝軒圖書出版社。2012.9。
5. Faustin Pascal Tsagué Manfo, Edouard Akono Nantia, **Kai-Lee Wang**, Paul Fewou Moundipa and Premendu Prakash Mathur. Contemporary Topics in Life Sciences: Heavy Metal-induced Toxicity on Male Reproductive Function. Published by Narendra Publishing House. Chapter 1, page 1-26, 2014.
6. Ho Lin, **Kai-Lee Wang**, Paulus S. Wang*, and Shyi-Wu Wang*. Non-gonadotropin regulation of

testosterone biosynthesis: Biochemistry, Therapeutic Uses and Physiological Effects of Testosterone. edited by Konstantin Chichinadze, NY, USA, Nova Science Publishers, Inc., ISBN: 978-1-62100-492-9, Chapter 7, pp. 125-144, 2012.

榮譽事績及經歷

100 年至 101 年：擔任中華民國駐布吉納法索友誼醫院，外交替代役醫學檢驗師役男，具臨床實務經驗。

102 及 103 年：臺北醫學大學，連續 2 年獲得「優秀博士後研究員」。

102 至 108 年：擔任臺北醫學大學 楓杏社會醫療暨醫學知識推廣服務隊；醫療暨社會服務隊巡迴診療活動，隨行醫檢師。

107 年：參加 Asia Pacific Society for Biology and Medical Sciences (APSBMS)，獲得傑出研究獎 (Outstanding Research Award)。

108 年：參加日本 ECBIOS，獲得最佳壁報獎(Best Conference Paper Award)。

109 年：參加高雄國際發明暨設計展，獲得發明展金牌及銀牌各 1 面。