



## 基本資料 |

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## 期刊論文 |(2019-2024)

1. Meng-jen Lee, Bing-lan Liu, Hui-ru Kuo, Ching-Jung Chen, Kai-ming Chang, and Chin-an Chang\*(2019) Streptomyces spp. culture filtrates reduced T4 infectivity to E. coli. IOP Conference Series: Earth and Environmental Science 346: 012041 (SCOPOUS listed) .
2. Meng-jen Lee, Bing-lan Liu, Ching-Jung Chen, Kai-ming Chang, Siendong Huang, and Chin-an Chang (2019) Streptomyces spp. culture filtrates deconstruct Odontoglossum ringspot virus (ORSV) and Cymbidium mosaic virus (CymMV) virus coat. IOP Conference Series: Earth and Environmental Science 346: 012078 (SCOPOUS listed)
3. Ya-Tzu Chen, May-Jywan Tsai, Nini Hsieh, Ming-Jei Lo, Meng-Jen Lee, Henrich Cheng, Wen-Cheng Huang (2019) The Superiority of Conditioned Medium Derived From Rapidly Expanded Mesenchymal Stem Cells for Neural Repair. Stem Cell Res Ther 2019 Dec 16;10(1):390.
4. M J Lee, B L Liu, H R Kuo and C A Chang (2020) Mutagenicity test of Streptomyces Species culture filtrate using mouse lymphoma cell. IOP Conference Series: Earth and Environmental Science 594: 012015 (SCOPOUS listed)
5. M J Lee<sup>1</sup>, B L Liu, J H Yen, C A Chang<sup>1</sup> (2020) New microbial origin compound capable of destruct T4 bacterial phage structure. IOP Conference Series: Earth and Environmental Science 594: 012014 (SCOPOUS listed)
6. Ku WC, Sridharan B, Chen JY, Li JY, Yang SY, Lee MJ\*. Kaempferitrin-Treated HepG2

Differentially Expressed Exosomal Markers and Affect Extracellular Vesicle Sizes in the Secretome. *Biomolecules*. 2021 Jan 29;11(2):187. doi: 10.3390/biom11020187. PMID: 33572893. (impact factor=4.082, JCR biochemistry and molecular biology, 98/297, Q2)

7. Badrinathan Sridharan, Meng-Jen Lee\* (2021) Current developments in Nano/Micro-formulations for enhanced delivery and bioactivity of andrographolide, *Materials Today: Proceedings* 45 (2021) 4746–4752 <https://doi.org/10.1016/j.matpr.2021.01.183>.
8. Shu-Yu Yang, Jen-Ying Li, Guan-Jhong Huang, Badrinathan Sridharan, Jen-Shu Wang, Kai-Ming Chang, Meng-Jen Lee\* (2021) Effects of water extract of *Cynanchum paniculatum* (Bge.) Kitag. on different breast cancer cells lines. *Evidence-Based Complementary and Alternative Medicine*. Volume 2021, May 26, Article ID 6665949, 13 pages (impact factor=1.813, JCR integrative complementary medicine, Q2, 12/28)
9. B Sridharan, J M Zhang, M J Lee\* (2021) In vitro anti-oxidant property and reduction of hyperglycemia-induced oxidation by hydroalcoholic extract of *Phyllanthus emblica* in cultured mesangial cell lines. *IOP Conference Series: Earth and Environmental Science*. 858(1):012003 (SCOPOUS listed)
10. Badrinathan Sridharan, Yi-Xuan Zhong, Yerra Koteswara Rao, Yao-Ming Zeng, Meng-Jen Lee\* (2021) Antioxidant activities of underexplored Chinese medicinal plant parts and their effect against high glucose-induced modulation of fibronectin expression. *IOP Conference Series: Earth and Environmental Science*. 858 012006 (SCOPOUS listed)
11. Badrinathan Sridharan, Yi-Lo Lin, Jiunn-Wang Liao, Shunching Wang, Meng-Jen Lee\* (2021) Effect of andrographolide on the pathological events during the surgical open wound healing process. *IOP Conference Series: Earth and Environmental Science*. 858(1):012007 (2021/12/15). (SCOPOUS listed)
12. Sridharan B, Lee MJ. (2022) Ketogenic diet: A promising neuroprotective composition for managing Alzheimer's diseases and its pathological mechanisms. *Curr Mol Med*. 22(7) 640-656. 2022 Jan 6th. PMID: 34607541 (IF=2.616, MEDICINE, miscellaneous,1215/2574, Q2)
13. Badrinathan Sridharan<sup>1</sup>, Shu-Yu Yang<sup>2</sup>, Jen-Ying Li<sup>2</sup>, Meng-Jen Lee<sup>1</sup>\* (2022) Effect of *Cynanchum paniculatum* (Bge.) Kitag. on various diseases: an overview of current research progress. *International Journal of Applied Science and Engineering*. 19(1), p1-11. 2022 March. (SCOPOUS listed) (agriculture and biological science, miscellaneous 232/346, chemical engineering miscellaneous 242/414, engineering miscellaneous

349/648, control of optimization 340/898, numerical analysis 61/95, Q2)

- 14.** Badrinathan Sridharana, Yi-Lo Linb, Yi-Jyun Kunga, Meng-Jen Lee (2022) Andrographolide regulates phosphorylated p38 mitogen-activated .protein kinases and phosphorylated ERK expression in spinal cord and reduces postoperative pain in rats. *Materials Today: Proceedings*. Volume 57, Part 2, 2022, Pages 829-833, <https://doi.org/10.1016/j.matpr.2022.02.438>. (SCOPOUS listed)
- 15.** Badrinathan Sridharana, Jiann-Yeu Chenb, Siti Raudhatul Kamalia, Chang Nan Chena, Ting-Xuan Liua, Qing Luo-Fanga, Yi-Jyun Kunga, Meng-Jen Lee. (2022). Synthesis of magnesium-based microparticles using oil cake of *Plukenetia volubilis* (Inca fruit) seeds and study of its radical scavenging activity. *Materials Today: Proceedings*. Volume 57, Part 2, 2022, Pages 887-891. (SCOPOUS listed) <https://doi.org/10.1016/j.matpr.2022.02.569>
- 16.** Lee, M. J., M. J. Tsai, W. C. Chang, W. Y. Hsu, C. H. Hung, Y. T. Chen, T. H. Tu, C. H. Shu, C. J. Chen and H. Cheng (2022). "Exogenous FGF-1 Differently Regulates Oligodendrocyte Replenishment in an SCI Repair Model and Cultured Cells." *Biomedicines* 10(11). 10.3390/biomedicines10112724 (SCI, IF=4.757, MEDICINE, micellaneous, 587/2527, Q1)
- 17.** Lin, Y.-L., J.-W. Liao, S. Wang, B. Sridharan, H.-J. Lee, A. Li, K.-M. Chang, C.-Y. Wu, S. Huang, K.-T. Chang, D. C. Agrawal, C.-J. Chen and M.-J. Lee (2022) "Andrographolide Relieves Post-Operative Wound Pain but Affects Local Angiogenesis." *Pharmaceutics* 15 DOI: 10.3390/ph15121586. (SCI, IF=5.215, drug discovery, 35/159, Q1)
- 18.** Tsai, M.-J., L.-Y. Fay, D.-Y. Liou, Y. Chen, Y.-T. Chen, M.-J. Lee, T.-H. Tu, W.-C. Huang and H. Cheng (2023). "C." *International Journal of Molecular Sciences* 24(1): 421. 27 December 2022 (SCI, IF=6.201, BIOCHEMISTRY & MOLECULAR BIOLOGY, 69/297, Q1)
- 19.** Li-Yu Fay, Chao-Hung Kuo, Hsuan-Kan Chang, Mei-Yin Yeh, Chih-Chang Chang ,Chin-Chu Ko, Tsung-Hsi Tu, Yi-Hsuan Kuo, Wang-Yu Hsu, Chien-Hui Hung,Ching-Jung Chen, Jau-Ching Wu, May-Jywan Tsai, Wen-Cheng Huang, Henrich Cheng and Meng-Jen Lee. Comparative Study of the Cytokine Profiles of Serum and Tissues from Patients with the Ossification of the Posterior Longitudinal Ligament. *Biomedicines*. 2023; 11(7):2021. <https://doi.org/10.3390/biomedicines11072021> SJR 587 /2527, MEDICINE, micellaneous
- 20.** Rajendrachari, S., N. Basavegowda, R. Vinaykumar, D. Narsimhachary, P. Somu and M.-J. Lee (2023). "Electrocatalytic determination of methyl orange dye using mechanically

alloyed novel metallic glass modified carbon paste electrode by cyclic voltammetry." *Inorganic Chemistry Communications* 155: 111010. 26/70 (Inorganic chemistry)

21. Isaq, M., Y. L. Ramachandra, P. S. Rai, A. Chavan, R. Sekar, M.-J. Lee and P. Somu (2023). "Biogenic synthesized silver nanoparticles using fungal endophyte *Cladosporium oxysporum* of *Vateria indica* induce apoptosis in human colon cancer cell line via elevated intracellular ROS generation and cell cycle arrest." *Journal of Molecular Liquids* 386: 122601. 12/75 (Chemistry/spectroscopy)
22. Serang, Y., C. Chen and M. Lee (2024). "Green Synthesis of Magnesium Oxide Nanoparticles Using *Melaleuca leucadendra* Waste." *Materials Science Forum* 1123: 109-118.
23. Serang, Y., C.-N. Chen and M.-J. Lee (2024). "Antioxidant dynamics in *Cajanus cajan* (L.) and *Melaleuca leucadendra* (L.): From plants to nanoparticles." *BIO Web Conf.* 125: 03002.
24. Medidi Raja Sekhar, Nagaraj Basavegowda, Levin Anbu Gomez, Asma Musfra Shabbirahmed, Puneetha Gangadahosahalli Krishnegowda, Sivamani Sivalingam, Rajkumar Sekar, SanthoshKumar Jayakodi, Meng-Jen Lee\*, and Prathap Somu\* (2024) Visible-light driven photocatalytic degradation of organic dyes by carbonized palladium-impregnated graphene oxide quantum dots. *Inorganic and Nano-metal Chemistry*. <https://doi.org/10.1080/24701556.2024.2356046>

## 研討會論文 |

1. Meng-Jen Lee, Kai-Ting Chang, Siendong Huang, Yilo Lin (2019) Andrographolide relieved pain generated by post-operative pain model in rat for short as well as longer time frame. 9th Federation of the Asian and Oceanian physiological societies Congress. 亞洲和大洋洲生理學會聯合大會, 神戶 日本 2019/03/28-/03/31.

## 專書及專書論文 |

1. Badrinathan Sridharan and Meng-Jen Lee\* (2021) Andrographolide, a Diterpene from *Andrographis paniculata*, and its Influence on the Progression of Neurodegenerative Disorders. In: Agrawal DC and Dhanasekaran M (eds), *Medicinal Herbs and Fungi – Neurotoxicity Vs Neuroprotection*, Pages 79-1125. Publisher Springer Nature 2020 sep.

## 產學研究計畫 |

計畫名稱	起迄年月	補助或委託機構
以「動手做」及「模擬開發英文 STEM 課程」為 PBL 的科技英文課程內容改善計畫	2020/8~2021/7	教育部
餘甘子水酒萃物抗氧化及保護高糖引起之腎絲球毒性測試計畫	2020/8~2021/7	優杏生技
穿心蓮內酯緩解手術後傷口疼痛及與嗎啡共同使用之研究	2021/8~2022/7	科技部
印加果油粕萃取檢測及產品開發計畫精進師生實務職能方案	2021/8~2022/7	教育部
應用「混合式學習模式」及「合作學習」之科技英文課程改善計畫	2021/8~2022/7	教育部
以生物化學工藝提升食品補充劑價值精進師生實務職能方案	2022/8~2023/7	教育部
融合差異化教學及 BOPPPS 教學設計之混合式教學: 雲端教學系統及行動裝置即時反饋之應用	2023/8~2024/7	教育部
利用印加果油粕萃取物行金屬氧化物奈米化加工及產業之應用	2023/8~2024/7	國科會
以奈米綠色科技加工田間廢棄物開發產品原料精進師生實務職能方案	2023/8~2024/7	教育部