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現職： 國立成功大學食品安全衛生暨風險管理
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學歷

國立成功大學環境醫學研究所/毒理組	博士
台北醫學大學醫學研究所/基礎組	碩士
台北醫學大學醫事技術學系	學士

經歷

台灣毒物學會認證台灣毒理學家 Certified Toxicologist of Toxicology Society of Taiwan (DTSTA No. 0008, 2018/08/13)

衛生福利部食品藥物管理署基因改造食品諮議委員會/諮議委員

中華民國消費者文教基金會雲嘉南分會食品委員會委員

行政院環境保護署毒物及化學物質局新化學物質標準登錄審查技術顧問

行政院環境保護署環境保護人員訓練所/毒性化學物質專業技術管理人員訓練講師
成大醫學院動物管理委員會委員

獎項及榮譽

國立成功大學「110年度科技部研究獎勵」。

國立成功大學「109教研人員彈性薪資暨研究獎勵」。

指導學生獲獎:2021年第二屆生態毒理研討會海報論文競賽第一名

指導學生獲獎:2021年第二屆生態毒理研討會海報論文競賽第二名

指導學生獲獎:2019年:第一屆生態毒理研討會海報論文競賽第一名

指導學生獲獎:2019年:第34生物醫學聯合學術年會 Best Poster Award

指導學生獲獎:2019年:第一屆台灣毒物學學會墾丁冬令營海報論文競賽第一名

Best Poster Award, Chen RJ (Presenter). 2017 Taiwan-Korea Conference for Environmental and Occupational Health, February 17-18, 2017.

研究成果 (2017~2022)

1. Yu-Ying Chen, Yu-Hsuan Lee, Bour-Jr Wang, **Rong-Jane Chen***, Ying-Jan Wang*. Skin damage induced by zinc oxide nanoparticles combined with UVB is mediated by activating cell pyroptosis via the NLRP3 inflammasome-autophagy-exosomal pathway. *Particle and Fibre Toxicology*. 2022 Jan 5;19(1):2. doi: 10.1186/s12989-021-00443-w. (IF=9.4, 3/93=3.2% in) (**Co-Corresponding author**)
2. **Rong-Jane Chen**, Yi-Jhen Lyu, Yu-Ying Chen, Yen-Chien Lee, Min-Hsiung Pan, Yuan-Soon Ho, Ying-Jan Wang. Chloroquine Potentiates the Anticancer Effect of Pterostilbene on Pancreatic Cancer by Inhibiting Autophagy and Downregulating the RAGE/STAT3 Pathway. *Molecules* 2021 Nov 8;26(21):6741. doi: 10.3390/molecules26216741. (**First author**)
3. Yu-Hsuan Shih, Pei-Jane Tsai, Yen-Lin Chen, Rosita Pranata, **Rong-Jane Chen***.

- Assessment of the Antibacterial Mechanism of Pterostilbene against *Bacillus Cereus* through Apoptosis-like Cell Death and Evaluation of its Beneficial Effects on the Gut Microbiota. *Journal of Agricultural and Food Chemistry* 2021 Oct 20;69(41):12219-12229. doi: 10.1021/acs.jafc.1c04898 (IF=5.279, 6/83=7.2% in AGRICULTURE, MULTIDISCIPLINARY) **(Corresponding author)**
4. Yu Chi Chen, Rong-Jane Chen*, Szu-Yuan Peng, Winston C Y Yu, Vincent Hung-Shu Chang*. Therapeutic Targeting of Nonalcoholic Fatty Liver Disease by Downregulating SREBP-1C Expression via AMPK-KLF10 axis. *Frontiers in Molecular Biosciences* 8:751938. doi: 10.3389/fmolb.2021.751938 (IF= 5.246, 81/297=27% in BIOCHEMISTRY & MOLECULAR BIOLOGY) **(Co-Corresponding author)**
 5. Yu-Ying Chen, Chun-Hsien Chen, Wei-Chen Lin, Chih-Wei Tung, Yung-Chia Chen, Shang-Hsun Yang, Bu-Miin Huang, Rong-Jane Chen*. The Role of Autophagy in Anti-Cancer and Health Promoting Effects of Cordycepin. *Molecules*. 2021 Aug 16;26(16):4954. doi: 10.3390/molecules26164954. (IF= 4.411, 63/178=35% in CHEMISTRY, MULTIDISCIPLINARY) **(Corresponding author)**
 6. Rong-Jane Chen, Chiao-Ching Huang, Rosita Pranata, Yu-Hsuan Lee, Yu-Ying Chen, Yuan-Hua Wu, Ying-Jan Wang*. Modulation of Innate Immune Toxicity by Silver Nanoparticle Exposure and the Preventive Effects of Pterostilbene. *International Journal of Molecular Sciences*. 2021 Mar 3;22(5):2536. doi: 10.3390/ijms22052536. **(First author)**. (IF= 5.923, 67/298=22.4% in Biochemistry and Molecular Biology) **(First author)**
 7. Rong-Jane Chen, Yu-Hsuan Leeb, Tzu-Hao Chen, Yu-Ying Chen, Ya-Ling Yeh, Ching-Ping Chang, Chien-Cheng Huang, How-Ran Guo*, Ying-Jan Wang*. Carbon monoxide-triggered health effects: The important role of the inflammasome and its possible crosstalk with autophagy and exosomes. *Archives of Toxicology*. 2021 Apr;95(4):1141-1159 doi: 10.1007/s00204-021-02976-7 (IF= 5.153, 16/93=17.2% in Toxicology) **(First author)**
 8. Pei-Wen Liu, Chung-I Li, Kuo-Ching Huang, Chiang-Shin Liu, Hsiu-Lin Chen, Ching-Chang Lee, Yuan-Yow Chiou, Rong-Jane Chen. 3-MCPD and Glycidol Coexposure Induces Systemic Toxicity and Synergistic Nephrotoxicity via NLRP3 Inflammasome Activation, Necroptosis, and Autophagic Cell Death. *Journal of Hazardous Materials*. 5 March 2021, 405: 124421, doi.org/10.1016/j.jhazmat.2020.124241 **(Corresponding author)**. (IF=10.588, 12/305=3.9% in Environmental Sciences)
 9. Wang YJ, Chen YY, Hsiao CM, Pan MH, Wang BJ, Chen YC, Ho CT, Huang KC, Chen RJ. Induction of Autophagy by Pterostilbene Contributes to the Prevention of Renal Fibrosis via Attenuating NLRP3 Inflammasome Activation and Epithelial-Mesenchymal Transition. *Front Cell Dev Biol*. 2020 Jun 3;8:436. doi: 10.3389. (IF= 6.684, 6/41=14% in Developmental Biology) **(Corresponding author)**
 10. Chen RJ, Chen YY, Liao MY, Lee YH, Chen ZY, Yan SJ, Yeh YL, Yang LX, Lee YL, Wu YH, Wang YJ. The Current Understanding of Autophagy in Nanomaterial Toxicity and Its Implementation in Safety Assessment-Related Alternative Testing Strategies. *International Journal of Molecular Sciences*. 2020, Mar 30;21(7):2387; doi:10.3390/ijms21072387. (IF= 5.923, 67/298=22.4% in Biochemistry and Molecular Biology) **(First author)**
 11. Lee YH, Chen YY, Yeh YL, Wang YJ, Chen RJ. Stilbene Compounds Inhibit Tumor Growth by the Induction of Cellular Senescence and the Inhibition of Telomerase Activity. *International Journal of Molecular Sciences*. 2019, Jun 2;20(11). pii: E2716. doi: 10.3390/ijms20112716. **(Corresponding author)** (IF= 5.923, 67/298=22.4% in Biochemistry and Molecular Biology)
 12. Chen RJ, Kuo HC, Cheng LH, Lee YH, Chang WT, Wang BJ, Wang YJ, Cheng HC. Apoptotic and Nonapoptotic Activities of Pterostilbene against Cancer. *International Journal of*

- Molecular Sciences***. 2018 Jan 18;19(1). pii: E287. doi: 10.3390/ijms19010287 (IF= 5.923, 67/298=22.4% in Biochemistry and Molecular Biology) **(First author)**
13. **Chen RJ**, Wu PH, Ho CT, Way TD, Pan MH, Chen HM, Ho YS, Wang YJ. p53-dependent Down-regulation of hTERT Protein Expression and Telomerase Activity Induces Senescence in Lung Cancer Cells as a Result of Pterostilbene Treatment. ***Cell Death & Disease***. 2017 Aug 10;8(8):e2985. doi: 10.1038/cddis.2017.333 (IF= 8.469, 37/195=19% in Cell Biology) **(First author)**
 14. **Chen RJ**, Chen MH, Chen YL, Hsiao CM, Wu PH, Chen HM, Chen SJ, Wu MD, Yech YJ, Yuan GF, Wang YJ. Evaluating the Urate Lowering Effects of Different Microbial Fermented Extracts in a Hyperuricemic Therapeutic and Preventive Animal Model Accompanied with a Safety Study. ***Journal of Food and Drug Analysis***. 2017 Jul, 25(3): 597-606. (IF= 6.079, 15/163=9.2% in Food Science & Technology) **(First author)**
 15. **Chen RJ**, Lee YH, Yeh YL, Wu WS, Ho CT, Li CY, Wang BJ, Wang YJ. Autophagy-inducing Effect of Pterostilbene: a Prospective Therapeutic/Preventive Option for Skin Diseases. ***Journal of Food and Drug Analysis***. 2017 Jan;25(1):125-133. doi: 10.1016 (IF= 6.079, 15/163=9.2% in Food Science & Technology) **(First author)**
 16. CANCER (Second Edition): OXIDATIVE STRESS AND DIETARY ANTIOXIDANTS, Ch40 - Pterostilbene and cancer chemoprevention. **Chen RJ**, Wang YJ. 2021, Pages 451-463, Copyright © 2021 Elsevier Inc.