- **Name / Position**

  Wu, Pao-Chu Professor
- **Office Address**：

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- **Teaching Courses**

  Pharmaceutics

  Special Topics in Pharmaceutics
- **The Highest Education Degree**

  Ph.D. in Graduate Institute of Pharmaceutical Sciences, Kaohsiung Medical College
- **Research Area**

  Drug delivery system; pH sensitive hydrogel development
- **Recent Publications**

1. Muhammad Suhail, Chih-Wun Fang, I-Hui Chiu, Hamid Ullah, I-Ling Lin, Ming-Jun Tsai, **Pao-Chu Wu***. Preparation, Swelling, and Drug Release Studies of Chitosan-based Hydrogels for Controlled Delivery of Buspirone Hydrochloride., CURRENT PHARMACEUTICAL BIOTECHNOLOGY 2024;8.
2. Ming-Jun Tsai, Wen-Yu Chang, I-Hui Chiu, I-Ling Lin, **Pao-Chu Wu*.** Improvement in skin penetration capacity of linalool by using microemulsion as a delivery carrier: formulation optimization and in vitro evaluation, Pharmaceutics 2023;15:5-1446.
3. Muhammad Suhail, I-Hui Chiu, I-Ling Lin, Ming-Jun Tsai*, **Pao-Chu Wu*.** A Novel Approach of Polyethylene Glycol-4000 Hydrogels as Controlled Drug Carriers, Micro 2023;3:2-578-590.
4. Muhammad Suhail, Chih-Wun Fang, I-Hui Chiu, Arshad Khan, Yi-Chun Wu, I-Ling Lin, Ming-Jun Tsai*, **Pao-Chu Wu*.** Synthesis and evaluation of alginate-based nanogels as sustained drug carriers for caffeine, ACS Omega 2023;8:26-23991-24002.
5. Muhammad Suhail*, I-Hui Chiu#, Yi-Ru Lai, Arshad Khan, Noorah Saleh Al-Sowayan, Hamid Ullah, **Pao-Chu Wu*.** Xanthan gum/pluronic F-127 based drug loaded polymeric hydrogels synthesized by free radical polymerization technique for management of attention-deficit/hyperactivity disorder, GELS 2023;9:8-640.
6. Muhammad Suhail, Chih-Wun Fang, I-Hui Chiu, Hamid Ullah, Arshad Khan, Ming-Jun Tsai*, **Pao-Chu Wu*.** Preparation of chondroitin sulfate and polyvinyl alcohol hydrogels as drug carriers, Applied Surface Science Advances 2023;18:--100478.
7. Muhammad Suhail, I-Hui Chiu, Jia-Yu Liu, Hamid Ullah, I-Ling Lin, Muhammad Usman Minhas, Ming-Jun Tsai*, **Pao-Chu Wu*.** Fabrication and in vitro Evaluation of Carbopol/Polyvinyl Alcohol-based pH-sensitive Hydrogels for Controlled Drug Delivery., CURRENT

PHARMACEUTICAL DESIGN 2023;29:31-2489-2500.

8. Muhammad Suhail, Muhammad Usman Minhas*, Abid Naeem, Syed Faisal Badshah, Kifayat Ullah Khan, Muhammad Fahad, **Pao-Chu Wu*.** Preparation, characterization, in-vitro and toxicological evaluation of carbopol based nanogels for solubility enhancement of valsartan, Applied Surface Science Advances 2023;18:--100524.
9. Muhammad Suhail, Jia-Yu Liu, Wan-Chu Hsieh, Yu-Wen Lin, Muhammad Usman Minhas*, **Pao-Chu Wu***. Designing of pH-responsive ketorolac tromethamine loaded hydrogels of alginic acid: Characterization, in-vitro and in-vivo evaluation, Arabian Journal of Chemistry 2022;15:2-103590.
10. Muhammad Suhail, An Xie, Jia-Yu Liu, Wan-Chu Hsieh, Yu-Wen Lin, Muhammad Usman Minhas*, **Pao-Chu Wu****. Synthesis and in-vitro evaluation of aspartic acid based microgels for sustained drug delivery, Gels 2022;8:1-12.