

MONICA CHUONG PUBLICATIONS

Books

1. **Chuong MC** (2016). Convolution Study and the Alcoholic Beverage Effect on Lansoprazole Delayed-Release Capsules and Application of Similarity Factor to Two-Stage *In Vitro* Dissolution Paradigm. Lambert Academic Publishing, Saarbrücken, Germany, Oct 2016, 53 pages. https://www.amazon.com/Convolution-Alcoholic-Beverage-Lansoprazole-Capsules/dp/3659976881/ref=sr_1_1?s=books&ie=UTF8&qid=1494423809&sr=1-1&keywords=monica+chuong; (<https://www.amazon.com/Convolution-Alcoholic-Beverage-Lansoprazole-Capsules/dp/3659976881>).
2. **Chuong MC** (2004). Pharmaceutical Stability of Nitro-Dur Transdermal Patches, Topicort Emollient Cream and Triamcinolone Acetonide Cream After Flown Aboard Space Shuttles Or the International Space Station. University of Houston, 512 pages. https://www.researchgate.net/publication/34488844_Pharmaceutical_stability_of_Nitro-Dur_Transdermal_Patches_Topicort_Emollient_Cream_and_triamcinolone_acetonide_cream_after_flown_aboard_space_shuttles_or_the_international_Space_Station

Book Chapter

1. **Chuong MC**. (2013) *Incorporation of Hypromellose in Formulating Niacin Controlled Release Oral Dosage Forms*. In: Câmara FV and Ferreira LJ, editors. *Hydrogels: Synthesis, Characterization and Applications*. Hauppauge, NY: Nova Science Publishers, p. 131-162. https://www.amazon.com/Hydrogels-Characterization-Applications-Biochemistry-Pharmacology/dp/1619428423/ref=sr_1_2?s=books&ie=UTF8&qid=1494423939&sr=1-2&keywords=Hydrogels%3A+Synthesis%2C+Characterization+and+Applications

Peer Reviewed Articles (*Corresponding Author)

1. Vashishth R, **Chuong MC***, Duarte J, Gharat Y and Kerr SG (2023). Two Sustained Release Membranes Used in Formulating Low Strength Testosterone Reservoir Transdermal Patches. *Current Drug Delivery*, March 16, 2023. DOI: [10.2174/1567201820666230316115921](https://doi.org/10.2174/1567201820666230316115921)
2. Gharat YP, **Chuong MC***, Kiel D, Mehanna A, Ronny Priefer R, Stephen G. Kerr, Duarte J, Bhagwat HS, Jadeja PP, Patel AR, Patel S, and Shah NA. (2022). The Effect of Pancreatin on Glimepiride Release Kinetics as a Model for Studying Endogenous Mediated Enzymes on Orally Administered Lipophilic Drugs. *J Pharmacol Pharm Res*. 5(3): 1–10, 2022; Dec 04, 2022. DOI: [10.31038/JPPR.2022544](https://doi.org/10.31038/JPPR.2022544)
3. Kitagawa R, Le HT, Kiritsy P and **Chuong MC*** (2020). Formulation of Rivastigmine, a Liquid Drug Substance, for Use in a Simulating Study of Hollow Microstructured Transdermal Delivery System. *J Pharmacol Pharm Res*, 3(3): 1–6, 2020; DOI: [10.31038/JPPR.2020333](https://doi.org/10.31038/JPPR.2020333).
4. **Chuong MC***, Suriyamongkol P, Vashishth R, Saxena A, Kelley C (2020). Diclofenac Sodium Stability in Simulated Gastrointestinal Fluids and the Use of MCM-41 Silica Carrier with Surface Modification to Achieve Innovative Delayed Release. *Int J Pharm Investigation*, 10(3):351-356. DOI: <https://doi.org/10.5530/ijpi.2020.3.62>
5. **Chuong MC***, Taglieri CA, Huang SY, Sariol A, Kitagawa R, Barman K, Mistry A, Harris and Kerr SG (2019). Compatibility of Flavoring Agents in Compounding Extemporaneous Omeprazole Oral Liquid. *Int J Pharmaceutical Compounding* 23(6):504-510.2019.

file:///C:/Users/owner/Downloads/IJPC_23_6_504_Compatibility%20of%20Flavoring%20Agents%20in%20Compounding%20Extemporaneous%20Omeprazole%20Oral%20Liquid.pdf

6. **Chuong MC***, Navarro Gonzales P, He L, Kitagawa R, Lobo MN, Salvi BV, Saraswat AL, and Suriyamongkol P (2019). Can One-Stage In Vitro Dissolution Using Water As Medium Represent Guaifenesin Release From Extended-Release Bilayer Tablets? *J Pharmacological and Pharm Research (JPPR)*, 2(2): 1-13.
7. **Chuong MC***, Kelley C, Muhammad Y, Dias Caputo T, Gomes JM, Oliveira D, Cardoso Peixoto A, Sanches Pereira B, Rizg W, Vazquez C, Medeiros Zacaron T, Nguyen S, Williams DA (2018) Investigating Effect of Water of Hydration on Active Pharmaceutical Ingredients in a Water Sensitive Dosage Form. *J Analytical Sci and Technology*. 9(7): p. 1 – 8. <https://doi.org/10.1186/s40543-018-0135-3>
8. **Chuong MC***, Taglieri CA, Kerr SG (2017). To Flavor or Not To Flavor Extemporaneous Omeprazole Liquid? *Int J Pharmaceutical Compounding*, 21(6): 500-512. file:///C:/Users/MONICA~1/CHU/AppData/Local/Temp/IJPC_21_6_500_To%20Flavor%20or%20Not%20to%20Flavor%20Extemporaneous%20Omeprazole%20Liquid.pdf, or <https://www.ijpc.com/Abstracts/Abstract.cfm?ABS=4397>
9. **Chuong MC***, Varanasi R, Seniuk D, Aggarwal N, Bongiorno C, Fdal S, Geangu J, MacDonald B, Sharma A, and Yudani L (2016). Investigation on the Endothermic Event of Cephalexin Monohydrate in Differential Scanning Calorimetric Thermogram. *J Thermal Analysis and Calorimetry*. DOI: 10.1007/s10973-015-4833-4. 123 (3): 2165–2172.
10. **Chuong MC***, Alsulimani H, Alabi S, Al-Saif N, Damgali S, Killioglu S, La S, Patel P, Prasad D, Tan J, Ubhe A, Uy J, Valladares M, Vo L, Wagle M, Crosby S and Mehanna A (2015). Convolution Study and the Alcoholic Beverage Effect on Lansoprazole Delayed-Release Capsules and Application of Similarity Factor to Two-Stage In Vitro Dissolution Paradigm. *Int J Pharmaceutical Sciences and Research*, 6(3): 1002-1012. doi: 10.13040/IJPSR.0975-8232.6(3).1002-12.
11. Gala U, **Chuong MC**, Varanasi R, Chauhan H. (2014). Characterization and Comparison of Lidocaine-Tetracaine and Lidocaine-Camphor Eutectic Mixtures Based on Their Crystallization Abilities. *AAPS PharmSciTech*, 16(3):528-536. DOI: 10.1208/s12249-014-0242-4.
12. **Chuong MC***, Choy E, Douk K, Duong LH, Hoang SK, Le N, Lim M, Poirier B, Prasad D, Radke M, Tran JQ, Williams DA. (2013). The Development of Delayed-Then-Extended-Release Lovastatin Tablet. *Int J Applied Pharmaceutics*, 5(3): 11-18.
13. **Chuong MC***, Chin J, Han JW, Kim E, Alhomayin W, Al Dosary F, Rizg W, Moukhachen O. and Williams, DA. (2013). High Performance Liquid Chromatography of Gentamicin Sulfate Reference Standards and Injection USP. *Int J Pharmaceuticals Analysis*, 4(1):25-29.
14. Silva MA, **Chuong M**, Kerr S, Cabrera A. (2013). Stability of Two Long-acting Insulin Formulations after 28 days. *Journal of Pharmacy Practice and Research*, 43(1): 37-40.
15. **Chuong MC***, Aggarwal N, Prasad D, Mashiana S, Taheri A, Albenayan W. (2012). Particle Shape Descriptors and Angle of Repose of a Bimodal Distribution Sample. *Int J Pharmacy and Technology*, 4(2):4484-4492.
16. Christensen JM, **Chuong MC**, Le H, Pham L, and Bendas E. (2011). Hydrocortisone Diffusion Through Synthetic Membrane, Mouse Skin, and EpidermTM Culture Skin. *Archives Drug Information*, 4:10-21.

17. **Chuong MC***, Prasad D, LeDuc B, Du B, Putcha L. (2011). Stability of Vitamin B Complex in Multivitamin and Multimineral Supplement Tablets after Space Flight. *J Pharmaceutical and Biochemical Analysis*, 55: 1197-1200. doi: 10.1016/j.jpba.2011.03.030. Epub 2011 Mar 29.
18. **Chuong MC***, Palugan L, Su T, Lee R, Busano C, De Pretoro G, Shah A. (2010). Formulation of Controlled Release Capsule of a Biopharmaceutical Classification System I Drug Using Niacin as a Model. *AAPS PharmSciTech*, 11(4): 1650-61. doi: 10.1208/s12249-010-9543-4. Epub 2010 Nov 24.
19. **Chuong MC***, Taglieri C, Crosby S, Ferullo J and Wei P. (2010). Effect of Beverage on the In Vitro Disintegration of Immediate Release Pain Medications. *Dissolution Technologies*, 17(1) 31-37. http://www.dissolutiontech.com/DTresour/201002Articles/DT201002_A05.pdf
20. **Chuong MC***, Lee RG, Saxena V and Palugan L. (2009). USP Disintegration Apparatus as a Potential Tool for Evaluating Drug Release from Controlled-Release Dosage Forms. *Dissolution Technologies*, 16(1) 25-32. http://www.dissolutiontech.com/DTresour/200902Articles/DT200902_A04.pdf
21. **Chuong MC***, Christensen JM, Ayres JW. (2009). Sustained Delivery of Intact Drug to the Colon: Mesalamine Formulation and Temporal Gastrointestinal Transit Analysis. *Pharmaceutical Development and Technology*, 27:1-10. *Pharm Dev Technol*. 14(1):116-25. doi: 10.1080/10837450802420559.
22. **Chuong MC***, Christensen JM, Ayres JW. (2008). New Dissolution Method for Mesalamine Tablets and Capsules. *Dissolution Technologies*, 15 (3) 7-14. http://www.dissolutiontech.com/DTresour/200808Articles/DT200808_A01.pdf

Refereed Abstracts (Corresponding Author*)

1. Gharat YP, Shah NA, Patel AR, Bhagwat H, Jadeja PP, Patel S, **Chuong MC*** (2022). Glimepiride Releases from Laboratory Compounded and Two Commercial Tablets Using a Proposed Three Stage In Vitro Dissolution Study. *PharmSci 360 (AAPS Annual Meeting)*, Boston, MA Nov. 18th.
2. Duarte J, Joshi R, Keskar R, Prasad P, Shukla M, Suluru S, Tanna H, Piquette M, **Chuong MC*** (2022). The Sustained Release Potential of MCM-41 versus SBA-16 Serving as Entrapment Carriers after Amine Surface Functionalization. *PharmSci 360 (AAPS Annual Meeting)*, Boston, MA Nov. 18th.
 ****AAPS Journal for PharmSci 360 poster abstracts has been cancelled to save poster abstracts since 2019****
3. Kitagawa R, Hoathixuan Le H, Crosby S, Kiristy P, **Chuong MC*** (2019). Formulation of Rivastigmine, a Liquid Drug Substance, for Use in Hollow Microstructured Transdermal Delivery System. *AAPS Journal for PharmSci 360 poster abstracts*.
4. Suriyamongkol P, Kelley C, Vashishth R, Saxena A, **Chuong MC*** (2019). Diclofenac Sodium Entrapment Efficiency and Stability Assessment in Amino-Surface Functionalized MCM-41 Prepared by Post-Synthesis Wet Impregnation Method. *AAPS Journal for PharmSci 360 poster abstracts*.

5. **Chuong MC***, Catherine A. Taglieri, Anthony Sariol, Reina Kitagawa, Koushik Barman, Szu Yu Huang, Stephen G. Kerr (2019). Compatibility of Flavoring Agents in Compounding Extemporaneous Omeprazole Oral Liquid. AAPS Journal for PharmSci 360 poster abstracts.
6. **Chuong MC***, Kitagawa R (2018). Can One-Stage In Vitro Dissolution Using Water as Medium Represent Guaifenesin Release from Extended-Release Bilayer Tablets? AAPS Journal for PharmSci 360 poster abstracts.
7. Suriyamongkol P, **Chuong MC*** (2018). Diclofenac Sodium Stability in Simulating Physiological Media and Its Entrapment Efficiency in MCM-41. AAPS Journal for PharmSci 360 poster abstracts.
8. Huang SY, **Chuong MC***, Taglieri CA, Harris DL, Mistry A, Kerr SG (2018). Evaluation of Assay Interference from Bubble Gum, Cherry, Orange or Watermelon Concentrate Flavors in an Extemporaneous Compounded Omeprazole Oral Liquid. AAPS Journal for PharmSci 360 poster abstracts.
9. Huang SY, **Chuong MC***, Taglieri CA, Harris DL, Mistry A, Kerr SG (2017). Evaluation of Assay Interference from Bubble Gum, Cherry, Orange or Watermelon Concentrate Flavors in an Extemporaneous Compounded Omeprazole Oral Liquid. APhA Journal for annual meeting poster abstracts.
10. **Chuong MC***, Kerr SG and Taglieri CA (2017). Potential Interference of an Oral Liquid Flavor in Stability Indication Analysis of Compounded Omeprazole Solutions. AAPS Journal for annual meeting poster abstracts
11. **Chuong MC***, Navarro Gonzales P, He L, Lobo MN, Salvi BV, Saraswat AL, Suriyamongkol P. (2017) Exploration of Polymeric Control of Two Guaifenesin Extended-Release Tablets. AAPS Journal for annual meeting poster abstracts.
12. Taglieri CA, **Chuong MC**, Tataronis G, Mistry A, Kerr SG (2017). Comparison of Omeprazole Oral Suspensions Compounded by Two Different Methods: the Commonly Used Extemporaneous Method and a Commercial Compounding Kit. APhA Journal for meeting abstracts.
13. **Chuong MC***, Taglieri CA, Kerr SG (2016). To Flavor or Not To Flavor Extemporaneous Omeprazole Suspension?
<http://abstracts.aaps.org/SecureView/AAPSJournal/radc4x2eeza.pdf>
14. **Chuong MC***, Taglieri CA, Bohlke M, Kerr SG (2016). An Improved HPLC Method for Omeprazole Delayed-Release Capsules.
<http://abstracts.aaps.org/SecureView/AAPSJournal/radqyxtxe0.pdf>
15. **Chuong MC***, Caputo T, Gomes J, Nguyen S, Oliveira D, Cardoso Peixoto A, Sanches Pereira B, Vazquez C, Zaccaron T (2015). Mini Buccal Effervescent Tablet and Simulating Saliva for Disintegrating Study Using Donepezil as Model Drug.
<http://abstracts.aaps.org/SecureView/AAPSJournal/rad51xlwtaz.pdf>
16. **Chuong MC***, Yang B, Michalcova J, Patel R, Williams D (2015). Tobramycin High Performance Liquid Chromatographic Assay.
<http://abstracts.aaps.org/SecureView/AAPSJournal/radb4mzxhve.pdf>
17. Yang B, Patel R, Michalcova J, Alamoudi N, Gui Z, Ubhe A, **Chuong MC*** (2015). Differential Scanning Thermograms of Spray Dried Tobramycin Powder Using Inert Gases.
<http://abstracts.aaps.org/SecureView/AAPSJournal/radnpurnd4o.pdf>.

18. **Chuong M***, Sharma S, Alharbi H, Amin M (2014). In Vitro Dissolution Study of Naproxen Sodium and an Over-the-Counter Brand Tablet. <http://abstracts.aaps.org/SecureView/AAPSJournal/radmbdzw3rx.pdf>
19. Varanasi R, Goynes N, Rodriguez A, Badr MY, Jung Y, Taglieri C, and **Chuong MC*** (2014). Phase Diagram of Lidocaine Tetracaine Emulsion and a Novel Dissolution Medium for Studying Its Topical Patches. <http://abstracts.aaps.org/SecureView/AAPSJournal/radi4yxltoy.pdf>
20. Badr MY, Halwani A, Rizg W, Ubhe A, Williams DA, and **Chuong MC*** (2014). Particle Reduction of Tobramycin Using Nano Spray Drying and the Potential Process Stressors. <http://abstracts.aaps.org/SecureView/AAPSJournal/radjlf0ndjx.pdf>
21. Rizg WY, Badr MY, Cakir A, Osama D, Williams DA, and **Chuong MC*** (2014). Two Innovative Tablet Designs for Rivastigmine Oral Solution: Effervescence vs. Fast Disintegration. <http://abstracts.aaps.org/SecureView/AAPSJournal/radel0xyzpt.pdf>
22. Chauhan H, Varanasi R, **Chuong MC** (2013). Characterization of Lidocaine-Tetracaine and Lidocaine-Camphor Eutectic Mixtures Based on Their Hydrogen Bonding and Crystallization Abilities. <http://abstracts.aaps.org/SecureView/AAPSJournal/radhhk0vhfy.pdf>
23. **Chuong MC***, Alsulimani H, Crosby S, Al-Saif N, Mehanna A (2013). Formulation Query of the Enteric Coat of Lansoprazole Delayed-Release Pellets. <http://abstracts.aaps.org/SecureView/AAPSJournal/radefhqeq2z.pdf>.
24. **Chuong MC***, Chin J, Han JW, Kim E, Al Dosary F, Alhomayin W, Rizg W, Moukhachen O, and Williams DA (2013). High Performance Liquid Chromatography of Gentamicin Sulfate Injection USP. <http://abstracts.aaps.org/SecureView/AAPSJournal/rad1qnhgvzo.pdf>.
25. Varanasi R, Chung J, Jones L, Kim CH, Lee A, Lee DS, Lui B, Mac S, Taglieri C, Williams DA, and **Chuong MC*** (2013). Formulation Exploration of Lidocaine-Tetracaine Topical Patches. <http://abstracts.aaps.org/SecureView/AAPSJournal/radef43srxu.pdf>.
26. Varanasi R, Chauhan H, **Chuong MC*** (2013). Reverse Phase Liquid Chromatographic Method for Simultaneous Determination of Lidocaine and Tetracaine. AAPS Journal, 2013; 14(S2). <http://abstracts.aaps.org/SecureView/AAPSJournal/radadn1sgcc.pdf>.
27. **Chuong MC***, Afshar J, Shin JY, Tiv H, Tan S, Yang T, Varanasi RK (2012). Effervescent Granulated Dosage Form of Cephalexin Monohydrate. <http://abstracts.aaps.org/SecureView/AAPSJournal/radrzbijjsf.pdf>.
28. **Chuong MC***, Alabi S, Alsulimani H, La S, Uy J, Damgali S, Killioglu S, Prasad D, Crosby S (2012). Two-Stage *In Vitro* Dissolution Paradigm Evaluating the Effect of Alcohol on Delayed-Release Lansoprazole Capsules and the Application of Similarity Factor. <http://abstracts.aaps.org/SecureView/AAPSJournal/radskhop0z1.pdf>.
29. Wang J, Sands E, Ci L, Atef E, **Chuong MC**, Williams D, LeDuc B, Gan LS and Xiao G (2012). Interactions of Fingolimod (FTY720) with Pgp and BCRP. <http://abstracts.aaps.org/SecureView/AAPSJournal/radmumc5zdc.pdf>.
30. Varanasi RK, Aggarwal N, **Chuong MC*** (2012). Investigation on the Endothermic Event of Cephalexin Monohydrate in Differential Scanning Calorimetric Thermograms. <http://abstracts.aaps.org/SecureView/AAPSJournal/radurkoyce3.pdf>.

31. **Chuong MC***, Jarred Uy, Steven La, and Nicholas A (2012). Campagna, Jr. Interaction of Sodium Dodecyl Sulfate Powder with the Respiratory System Based on Models Developed. <http://abstracts.aaps.org/SecureView/AAPSJournal/radjwyt0f4e.pdf>.
32. Alsulimani H, Patel P, Tan J, Valladares M, Ubhe A, Vo L, Crosby S, **Chuong MC*** (2011). In-Vitro Release of Lansoprazole Delayed-Release Capsules and Convolution Study. www.aapsj.org/abstracts/AM_2011/T3085.pdf.
33. Aggarwal N, Prasad D, Mashiana S, Taheri A, Alharbi W, **Chuong MC*** (2011). Particle Shapes of Cephalexin Monohydrate, Niacin, Nystatin, Sodium Chloride, Rifampin, Triclosan and Determination of Angle of Repose of a Bimodal Distribution Sample. www.aapsj.org/abstracts/AM_2011/W5160.pdf.
34. **Chuong MC***, Palugan L (2010), Hydrophobic Inert Matrix Tablet Controlling the Release of Niacin. www.aapsj.org/abstracts/AM_2010/T2161.pdf
35. Duong LH, Douk K, Choy E, Hoang S, Le N, **Chuong MC*** (2010), In Vitro Apparatus and Medium pH Effects on an Osmotic Drug Delivery System. www.aapsj.org/abstracts/AM_2010/T2162.pdf.
36. **Chuong MC***, Lim M, Poirier B, Radke M, Tran J, Williams D (2010). In Vitro Food Weight Effect on an Elementary Osmotic Pump Drug Delivery System. www.aapsj.org/abstracts/AM_2010/M1105.pdf.
37. Aggarwal N, Chittoory S, Labib C, Aziz S, **Chuong MC*** (2010). Detection Sensitivity of In Vitro Drug Release for Rifampin Oral Capsules. www.aapsj.org/abstracts/AM_2010/W5039.pdf.
38. **Chuong MC***, Dev Prasad D, LeDuc B, Du B and Putcha L (2009). Pharmaceutical Stability of Vitamin B Complex in the Outer Space Bioenvironments Retrieved Multivitamin and Multimineral Supplements. www.aapsj.org/abstracts/AM_2009/AAPS2009-001021.PDF.
39. Su T, Palugan L, **Chuong MC***, Busano C, Lee R, Di Pretoro G, Shah (2009). Formulation of Controlled Release Capsule of a Biopharmaceutical Classification System I Drug Using Niacin as a Model. www.aapsj.org/abstracts/AM_2009/AAPS2009-000724.PDF.
40. Shah A, Palugan L, **Chuong MC***, Crosby S, Ferullo J (2009). Beta-Cyclodextrin Complexed Fenofibrate Sustained Release Tablet. www.aapsj.org/abstracts/AM_2009/AAPS2009-001085.PDF.
41. **Chuong MC***, Taglieri C, Crosby S, Ferullo J and Ng PW (2009). Effect of Beverage on the In Vitro Disintegration of Immediate Release Pain Medications. www.aapsj.org/abstracts/AM_2009/AAPS2009-000040.PDF.
42. **Chuong MC***, Christensen JM, Ayres JW (2008). A Novel Mesalamine Delayed Release Capsule and Simulation of Pellet Distribution in the Gastrointestinal Tract. www.aapsj.org/abstracts/AM_2008/AAPS2008-000716.PDF.
43. Saxena V, Palugan L, **Chuong MC***, Ferullo J (2008). Examining Whether USP Disintegration Apparatus with a Disk is a Superior Tool to Predict Drug Release from a Polygel[®] Tablet in Simulated Fed State. www.aapsj.org/abstracts/AM_2008/AAPS2008-001312.PDF.
44. Wagle M, **Chuong MC***, Crosby S, Vaksman Z (2008). Modified USP Dissolution Method of Lansoprazole Delayed-Release Capsule to Predict the Massive Drug Release in the Gastrointestinal Tract. www.aapsj.org/abstracts/AM_2008/AAPS2008-001295.PDF.
45. Saxena V, **Chuong MC***, Lee R, Lorne A and Poirier B (2008). Dissolution Methodology for Polygel Controlled-Release Tablets. www.aapsj.org/abstracts/AM_2008/AAPS2008-001272.PDF.

46. **Chuong MC***, Poirier B, Crosby S and Pidgeon C (2007). A Modified USP Disintegration Method to Simulate a Tablet Disintegrated in the Stomach When Taken with Cold Beverage or with Food. www.aapsj.org/abstracts/AM_2007/AAPS2007-001687.PDF.
47. **Chuong MC***, Christensen JM, Ayres JW. Deconvolution of Mesalamine Delayed Release Tablet and Extended Release Capsule To Relate Absorption Time To Absorption Site The AAPS Journal, 2006; 8(S2).
48. **Chuong MC***, Christensen JM, Ayres JW. Dissolution of Mesalamine Tablets and Capsules. The AAPS Journal, 2005; 7(S2).
49. **Chuong MC***, Le H, Ihab M, Christensen JM. Hydrocortisone Permeation Study Through Nylon Membrane, Mouse Skin And Epiderm™ Cultured Skin. The AAPS Journal, 2005; 7(S2).
50. **Chuong MC**, Putcha L and Chow D. Comparing the Sensitivity of Vertical Franz Diffusion Cell, VanKel Enhancer Cell™ in Detecting Changes of in Vitro Drug Release of Topical Glucocorticoid Formulations by Using the Known Degraded Quantities of Irradiation and Thermally Degraded Samples. The AAPS Journal, 2004; 6(S1).
51. **Chuong MC**, Putcha L and Chow D. Comparison of Vertical Franz Diffusion Cell System and USP Dissolution Apparatus with Enhancer Cells in Evaluations of in Vitro Drug Release Characteristics of Two Topical Glucocorticoid Formulations. AAPS Pharm Sci, 2003; 5(S1).
52. **Chuong MC**, Putcha L and Chow D. Evaluation of Pharmaceutical Stability of NitroDur (Nitroglycerin) Patch and Desoximetasone (Topicort) Cream During Space Flights. AAPS Pharm Sci, 2002; 4 (S1).

MONICA CHUONG AWARDS AND HONORS

- MCPHS University Chapter of The Honor Society of Phi Kappa Phi, 2018 – 2020.
- MCPHS Pharmaceutics Dosage Form Lab (M1005) to receive monetary donation from Kathleen and Joseph Buckley on Jan 15, 2013 to set up student scholarship. Kathy is BSP Class of 1972. Pharmaceutics Lab (M1005) was named as Freije Pharmaceutical and Compounding Laboratories in honor of her deceased father, Fred Freije.
- Phi Lambda Sigma Leadership Society, MCPHS, 2013.
- AAPS American Association of Pharmaceutical Scientists:
 - a. Abstract Screening Committee as Manufacturing & Analytical Characterization – Chemical Track Leader 2022
 - b. Rapid Fire Committee as Manufacturing & Analytical Characterization – Chemical Track Leader 2020 & 2021.
 - c. Chemical & Biological Active Pharmaceutical Ingredients Community Leader, 2018.
 - d. Northeast Regional Discussion Group of AAPS – Chair 2012.
- Third prize (\$1,000) poster presentation in the 3rd Technology Transfer Conference, New York Society of Cosmetic Chemists, Iselin, NJ on November 7, 2012.
- Favorite Faculty Member - by Resident Assistants of MCPHS, 2010-12.
- Goel Academic Achievement Award, University of Houston, 2002

Global Webinars

1. “To Flavor or not to Flavor an Extemporaneously Compounded Omeprazole Liquid?” May 18th, 2017. Sponsored by Oxford Global Conference. <http://www.formulationusa-congress.com/free-webinar-3/>
2. “Acid-Base Effervescence and Acid-Sodium Salt Fast Disintegration: The Challenges of Fabricating Tablets for Oral Solution and Mini Buccal Tablets”, September 10th, 2015, Sponsored by AAPS e-Learning. Co-presented with Professor Charles Kelley in School of Arts and Sciences. <https://www.pathlms.com/aaps/events/368> (AAPS members: https://www.pathlms.com/aaps/events/368/video_presentations/18998)

Podium Presentations

1. To present in Formulation & Drug Delivery USA Congress, Oct 11th, 2022, San Diego, USA in the title of “Pancreatin On Glimepiride Release From Its Tablet Dosage Form As A Model For Studying The Effects of Endogenous Digestive Enzymes When Lipophilic Drugs Are Administered Orally” sponsored by Oxford Global Conferences.
2. To present in Formulation & Drug Delivery USA Congress, March 17, 2020, San Diego, USA in the title of “Microporation including a case study in microneedles” sponsored by Oxford Global Conferences.
3. Presented in Formulation & Drug Delivery USA Congress, March 18, 2019, San Diego, USA in the title of “Mesostructured MCM-41 As a Carrier for Diclofenac Sodium” sponsored by Oxford Global Conferences.
4. Presented in Formulation & Drug Delivery USA Congress, March 12, 2018, San Diego, USA in the title of “Topical Patch Design for Immediate Drug Release” sponsored by Oxford Global Conferences.
5. Keynote speech at Biopharma 2016, Airport Hilton, San Antonio, TX, titled “Biopharmaceutics in Drug-Device Combination Products”, September 14th, 2016.
6. Keynote speech at the International Conference and Expo on Biopharmaceutics, titled “Biopharmaceutical Development Upstream and Downstream Technology”, Baltimore, MD, on September 21st, 2015.
7. International Conference and Expo on Biopharmaceutics, titled “Developmental Challenges of a Product Containing Both Chemical and Biological Active Pharmaceutical Ingredients”, Baltimore, MD, on September 21st, 2015 (the second presentation of the same date).
8. American Association of Pharmaceutical Scientists Northeast Regional Discussion Group (AAPS-NERDG) 2011 Summer Meeting, titled, “Pharmacies in Outer Space and Specific Considerations in Pharmaceutical Formulations” September 2, 2011, Merck Research Laboratories, Boston, MA.
9. American Association of Pharmaceutical Scientists Annual Meeting 2009, Sunrise Section, titled, “Innovative Colonic Drug Delivery Systems with A Case Study in Formulation and Temporal Gastrointestinal Transit Analysis”, November 11, 2009, Los Angeles Convention Center, CA. Dr. Dave Wallick, Ph.D. at Dow Chemical Company as the panel moderator. Dr. Brahma Singh, Forest Laboratories, Inc., the other panel speaker, presented “Tutorial Overview of Colonic Drug Delivery”.
10. Northeast Regional Discussion Group of American Association of Pharmaceutical Scientists annual meeting 2009, titled, “Simulated Studies of Immediate Release, Extended Release and

Delayed Release Solid Dosage Forms for Food and Beverage Effects”, April 24, 2009, Marriott Hotel, Rocky Hill, CT.

11. The 6th Taiwanese American Association of Pharmaceutical Scientists annual meeting, titled, “Innovative Colonic Drug Delivery Systems”, Nov 16, 2008, Atlanta, GA.

Community Webinar Presentations in AAPS (Chemical and Biological API Manufacturing Technology Focus Group) Teleconferences

1. Jun 2019 Community Webinar, titled, “Microporation.” June 19th.
2. May 2019 Community Webinar, titled, “Prodrugs and Antedugs.” May 19th.
3. Apr 2019 Community Webinar, titled, “API in After Sun Products.” April 15th.
4. Apr 2018 Focused Webinar, titled, “Antifoams and Pluronic Polyols, Cell Protection”, April 25th.
5. Jan 2018 Focused Webinar, titled, “Computer Aided Mab Process Simulation”, January 24th.
6. Sep 2016 Focused Webinar, titled, ”Animal Cell Culture Media”, September 27th.
7. Mar 2016 Focused Webinar, titled, “Water Activity”, March 23rd.
8. Jun 2015 Focused Webinar, titled, “Conventional Differential Calorimetry II”, June 24th.
9. Mar 2015 Focused Webinar, titled, “Conventional Differential Calorimetry I”, April 22nd.
10. Feb 2015 Focused Webinar, titled, “Mixing Index and Mixing Time”, Feb 25th.
11. Jan 2015 Focused Webinar, titled, “Fire and Explosion Hazards of Fine Powders”, Jan 28th.