1. Neurotoxic Effects of Acrylamide on Kappa Opiod Receptors in the Nervous System of Juvenile Rats
   Capstone Students: Michelle Dudek & Rainier O. Celi, PharmD Candidates
   Capstone Research Mentor: Abir El-Alfy, PhD
   Chicago State University College of Pharmacy (CSU-COP)

2. Concentration Dependent Inhibition of Endocannabinoid Metabolizing Enzymes by Nutmeg Extracts
   Capstone Students: Sharon Joseph & Akshar Brahimbhatt, PharmD Candidates
   Capstone Research Mentors: Abir El-Alfy, PhD & Ehab Abourashed, MS, PhD
   Chicago State University College of Pharmacy (CSU-COP)

3. Enhancing the Lipophilicity of Silybin by Esterification
   Capstone Students: Dereje Gemeda & Wenceslas Fanouth-Ngyessen, PharmD Candidates
   Capstone Research Mentor: Ehab Abourashed MS, PhD
   Chicago State University College of Pharmacy (CSU-COP)

4. Preliminary Phytochemical Investigation of Cochlospermum angolense Bark
   Capstone Students: Vaidehi Thakkar & Jadwiga Zawada, PharmD Candidates
   Capstone Research Mentor: Ehab Abourashed, MS, PhD
   Chicago State University College of Pharmacy (CSU-COP)

5. Isolation of Dendritic Cells from Splenic Tissue of Mice following Thermal Injury
   Capstone Students: Kalkidan Melaku & Ryan Bougher, PharmD Candidates
   Capstone Research Mentor: Nadeem Fazal, MD, PhD
   Chicago State University College of Pharmacy (CSU-COP)

6. Acrolein-induced Oxidative Stress In NAD(P)H Oxidase Subunit gp91phox Knock Out Mice: Effects on Other Oxidant Systems and Total Antioxidant Status
   Capstone Students: James Walker, Chelsea Zhang, & Mahdieh Monfared, PharmD Candidates
   Capstone Research Mentor: Mohammad Newaz, MD, PhD, FAHA
   Chicago State University College of Pharmacy (CSU-COP)
7. **Comparison of Parthenolide Levels in Aquaponically vs. Conventionally Grown Tanacetum parthenium feverfew**
Capstone Student: Chelsey Imel, PharmD Candidate
Capstone Research Mentor: Melany Puglisi, PhD & Ehab Abourashed, MS, PhD
Chicago State University College of Pharmacy (CSU-COP)

8. **Supplementation of First-Year Pharmacy Physiology Course with a Video Channel to Enhance Student Learning and Comprehension**
Capstone Students: Inderpreet Dhillon, Aisha Rauf, & Nahed Sobhy, PharmD Candidates
Capstone Research Mentor: Nadeem Fazal, MD, PhD
Chicago State University College of Pharmacy (CSU-COP)

9. **Impact of Social Media on Student Engagement**
Capstone Students: Jeffrey Bowman & Daniel Nyakundi, PharmD Candidates
Capstone Research Mentor: Antoine Jenkins, PharmD, BCPS
Chicago State University College of Pharmacy (CSU-COP)

10. **CSU Pharmacy Student Knowledge of Women’s Health Topics**
Capstone Students: Melissa Jackson & Kelly Reder, PharmD Candidates
Capstone Research Mentor: Janene Marshall, PharmD, BCPS
Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

11. **Are you a Good Pharmacist?: Evaluation of CSU-COP Student Pharmacist Characteristics, Virtues, and Habits**
Capstone Student: Tiffany Brown, PharmD Candidate
Capstone Research Mentors: Miriam Mobley Smith, PharmD & Don Brower, BS Pharm
Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

12. **Longitudinal Assessment of Critical Thinking Among Pharmacy Students**
Capstone Students: Samuel Mends & Olayide Shodunke, PharmD Candidates
Capstone Research Mentor: Dolores Nobles-Knight, PharmD, MPH
Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

13. **Student Attitudes Towards Course Evaluations**
Capstone Students: Maribel Thiebaud & Patrycja Lomozik, PharmD Candidates
Capstone Research Mentor: Allison Rose, PsyD
Chicago State University College of Pharmacy (CSU-COP), Chicago, IL
14. **Correlations with Academic Success in a Pharmacy School Curriculum**  
   Capstone Students: Irwin Obispo, Rohit Burde & Jihee Kang, PharmD Candidates  
   Capstone Research Mentor: Joseph Slonek, PhD, RPh  
   Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

15. **Student Performance and Views on Effort in an Elective Course in a College of Pharmacy**  
   Capstone Students: Elvis Nathan & Jacob Salaysay, PharmD Candidates  
   Capstone Research Mentor: Joseph Slonek, PhD, RPh  
   Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

16. **Exercise and Stress, the Correlation with Academic Progress (ES-CAP): Managing Stress to Improve Academic Performance in Pharmacy School Students**  
   Capstone Students: Bill Oben, Ali Mehdi & Swati Patel, PharmD Candidates  
   Capstone Research Mentor: Sneha Srivastava, PharmD, BCACP & Yolanda Hardy, PharmD  
   Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

17. **Capstone Research Projects & Beyond: Perceptions of Fourth Year Professional Students on Pharmacy Job Attainment**  
   Capstone Students: Blaine Gooch & Nicole Serafin, PharmD Candidates  
   Capstone Research Mentor: Rosalyn P. Vellurattil, PharmD, CDE  
   Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

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**PHARMACY PRACTICE**

18. **Evaluating the Benefits of Patient Assessment Course: The Student Perspectives**  
   Capstone Students: Lara Akintilo & Loren Reid, PharmD Candidates  
   Capstone Research Mentor: Yolanda Hardy, PharmD  
   Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

19. **Establishing a Blood Pressure Service**  
   Capstone Student: Zura Liaqat, PharmD Candidate  
   Capstone Research Mentor: Yolanda Hardy, PharmD  
   Target Pharmacy, Chicago, IL

20. **Addition of Fluticasone/Salmeterol Dry Powder Inhaler to the Formulary at a Large Academic Medical Center**  
   Capstone Students: Latasha Guy & Kristopher Leja, PharmD Candidates  
   Capstone Research Mentor: Leah Bentley, PharmD, BCPS  
   University of Chicago Medical Center, Chicago, IL
21. **A Retrospective Evaluation of a possible Drug-Drug Interaction between Infusional 5-fluorouracil and Metronidazole in Head and Neck Cancer Patients**
   Capstone Students: Tatiana Backiev Mauda, Theresa Geraghty, Tochi Ohale & Saad Awan, PharmD Candidates
   Capstone Research Mentors: Rakesh Beri, PharmD, BCOP & Alana Dikopf, PharmD, BCOP
   University of Chicago Medical Center, Chicago, IL

22. **A Retrospective Evaluation of Incidence of Venous Thromboembolism in Head and Neck Cancer Patients Receiving Chemotherapy and Radiation**
   Capstone Students: Heather Lei, Elizabeth Lee, Sweta Patel & Rahmath Safvi, PharmD Candidates
   Capstone Research Mentors: Rakesh Beri, PharmD, BCOP & Alana Dikopf, PharmD, BCOP
   University of Chicago Medical Center, Chicago, IL

23. **Accuracy of Healthcare-Associated Pneumonia as the Selected Indication on Physician-entered Antibiotic Orders**
   Capstone Students: Alexander Keppel & Tim Ho, PharmD Candidates
   Capstone Research Mentor: John Esterly, PharmD, BCPS
   Northwestern Memorial Hospital, Chicago, IL

24. **Establishing a Travel Health Clinic in an Independent Community Pharmacy**
   Capstone Students: Nick Venvertloh & Hajra Baloch, PharmD Candidates
   Capstone Research Mentor: Yolanda Hardy, PharmD & Renny Kurup, PharmD
   Halsted HealthMart Pharmacy, Chicago, IL

25. **Pharmacy Student Created Medical Device Training Service in a Community Setting**
   Capstone Students: Tramy Ton & Ryan Johnson, PharmD Candidates
   Capstone Research Mentors: Yolanda Hardy, PharmD & Sabah Hussein, PharmD
   Franciscan Physician Network, Chicago, IL

26. **The Impact of Blood Pressure Screenings on Patients Follow-up with a Healthcare Provider**
   Capstone Students: Maju Simon, Haroon Vohra & Logan Vela, PharmD Candidates
   Capstone Research Mentor: Diana Isaacs, PharmD, BCPS
   Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

27. **Health Education and Adherence to Lifestyle Enhancements (HEALE) Trial**
   Capstone Student: Chennelle Herren, PharmD Candidate
   Capstone Research Mentors: Charisse Johnson, MS, PharmD & Yolanda Hardy, PharmD
   Chicago State University College of Pharmacy (CSU-COP), Chicago, IL
28. **Assessment of Heart Failure Patient Discharge Medication Regimens Upon Re-Admission in a Teaching Hospital**  
   Capstone Students: Gabrielle Wells & Mikendra Wilburn, PharmD Candidates  
   Capstone Research Mentor: Janene Marshall, PharmD, BCPS  
   Mount Sinai Hospital, Chicago, IL

29. **Pharmacist led Phone Calls after Hospital Discharge and Acute Decompensated Heart Failure Readmissions**  
   Capstone Students: Stacey Dust, Diana Hegazin & Kelsey Pieper, PharmD Candidates  
   Capstone Research Mentor: Michael Moranville, PharmD, BCPS  
   University of Chicago Medical Center, Chicago, IL

30. **Availability, Accessibility, and Utilization of Pharmacist-Provided In An Urban Neighborhood: A Descriptive Study**  
   Capstone Students: Aarati Shah, Kimberlyn Ariwodo, & Anthony Vu, PharmD Candidates  
   Capstone Research Mentor: Dolores Nobles-Knight, PharmD, MPH  
   Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

31. **Impact and Perception of Senior Buddy Program on Community Dwelling Older Adults**  
   Capstone Student: Magdalena Oberschlake, PharmD Candidate  
   Capstone Research Mentor: Angela Riley, PharmD, CGP  
   Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

32. **Comparison of Traditional Point of Care Testing in an Anticoagulation Clinic versus Home Self-Testing**  
   Capstone Students: Riddhi Parikh & Chandni Patel, PharmD Candidates  
   Capstone Research Mentor: Sneha Srivastava, PharmD, BCACP  
   Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

33. **Quantification of Pharmacists’ Interventions after Electronic Medical Records Implementation**  
   Capstone Students: Whitney Cheng & Liyun Grace Lin, PharmD Candidates  
   Capstone Research Mentor: Richard Wenzel, PharmD  
   St. Joseph Hospital, Chicago, IL

34. **The Effect of the use of the Oral Anticoagulation Knowledge (OAK) test on Patient Adherence and Outcomes**  
   Capstone Student: Jennifer Kim, PharmD Candidate  
   Capstone Research Mentor: Deborah Harper-Brown, PharmD  
   Specialty Physicians of Illinois, Olympia Fields, IL
35. *Patients’ Perceptions of a Community Pharmacy-based New Parent Program in the Urban and Inner-city Population*
   CSU-COP Pharmacy Resident: Bijal Patel, PharmD
   Research Mentors: Sonali Kshatriya, PharmD, Sabah Hussein, PharmD & Emily Shafer, PharmD
   Dominick’s Pharmacy, Chicago, IL

36. *Investigating Health Disparities in Patients with Hypertension*
   Capstone Students: Inayath Khan & Stella Houmpavlis, PharmD Candidates
   Capstone Research Mentor: Heather Fields, PharmD, MPH, BCACP
   Chicago State University College of Pharmacy (CSU-COP)

37. *Evaluating the Effectiveness of a Pharmacist-Provided Group Cigarette Smoking Cessation Program*
   Capstone Student: Vivian Osuji, PharmD Candidate
   Capstone Research Mentor: Sabah Hussein, PharmD
   Chicago State University College of Pharmacy (CSU-COP)

38. *Encouraging Inner City 9-12th Graders of Chicago to Refrain From using Substances of Abuse through a Pharmacology-Based Curriculum*
   Capstone Student: Alicia Ross, PharmD Candidate
   Capstone Research Mentors: Charisse Johnson, PharmD, MS, Ehab Abourashed, MS, PhD, & Abir El-Alfy, PhD
   Chicago State University College of Pharmacy (CSU-COP)

39. *The Pharmacist as a Public Resource*
   Capstone Students: Ankit Patel & James Rodriguez, PharmD Candidates
   Capstone Research Mentor: Joseph Slonek, PhD, RPh
   Chicago State University College of Pharmacy (CSU-COP)

40. *Perceptions of a Compact Aquaponics System in the Inner City Neighborhoods of Chicago: A Potential Solution to Food Deserts and Nutritional Deficiencies in the Community*
   Capstone Students: Ihuoma Ozoh & Frank Betah, PharmD Candidates
   Capstone Research Mentor: Rosalyn P. Vellurattil, PharmD, CDE & Diana Isaacs, PharmD, BCPS
   Chicago State University College of Pharmacy (CSU-COP)