

# **BUPENDRA SHAH**

**BSP Pharm, MS, PhD**

**Associate Dean of Assessment**

**Director of Center of Excellence in Pharmacy Education and Pharmacist Care Services**

**Associate Professor, Touro College of Pharmacy**

Fellow, American Association of Colleges of Pharmacy Leadership Program (2018-19, Cohort 15)

Work Address: Rm 926, 3 Times Square, NYC, NY • [Bupendra.shah4@touro.edu](mailto:Bupendra.shah4@touro.edu); [bkshah@gmail.com](mailto:bkshah@gmail.com)

646.981.4754 (Work) •

## **Summary**

A College of Pharmacy administrator with demonstrated record of accomplishment of managing expectations associated with the PharmD program through leadership, collaboration and results geared investments. Experience in leading initiatives to improve curricular offerings, teaching pedagogy, productivity, rigor, and assessment strategies through strategic use of data, engagement in faculty development programs and mentoring. History of being involved in strategic planning, leading accreditation report writing, using curricular and programmatic assessment data, and developing a culture of assessment through collaborative stakeholder engagement, training, and technology utilization. I have over a decade of experience in assessment of student learning and design, delivery, and implementation of the curriculum for the Doctor of Pharmacy Professional program. Experienced national standardized exam writer. A pharmacy academic and social administrative science faculty with experience and expertise in teaching concepts related to healthcare system, public health, and communication skills for pharmacy practice. I am a pharmacy researcher with training in social methods applied to pharmacy, regulatory science, and health service research. Unwavering commitment to creating and delivering excellent academic experience for our stakeholders.

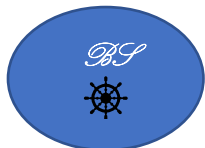
## **Knowledge and Skills**

### **I. Knowledge**

- Higher Education and Pharmacy Academy
  - Excellent and comprehensive knowledge of curricular content, pedagogy, frameworks, teaching, learning, and assessment strategies used in pharmacy education
  - Comprehensive understanding of Standards (ACPE), Outcomes (CAPE, AACP, ACPE) and Blueprints (NAPLEX, PCOA, Part 3) used in pharmacy education
  - Excellent knowledge of accreditation requirements outlined by variety of accreditation agencies (regional and national)
  - Excellent knowledge of guiding principles of assessment, teaching and learning
  - Excellent knowledge of learning management and software programs used in teaching and assessment (e.g. BlackBoard, Canvas, CampusGroups, E-value, Enflux, ExamSoft, SPSS, JASP)
  - Changes, opportunities, and challenges in higher education
- Social Administrative Sciences in Pharmacy
  - US Healthcare System, Public Health System, Patient Behavior, Communication Skills for Pharmacy Practice and Biostatistics
  - Curricular pedagogy, content and assessment strategies used by SAS faculty in the US

### **II. Skills**

- Exceptional ability to design courses, curricula, teaching materials, examinations, assignments, assessments mapped to achievement of programmatic outcomes
- Excellent ability to develop reports for the University and accreditation agencies



- Ability to work in and lead teams charged with program/curriculum design, delivery, implementation, and assessment
- Excellent ability to provide leadership for faculty and staff development programs in program development and assessment
- Exceptional ability to conceptualize research studies, write grants, conduct research studies, and utilize statistical methods to analyze data emanating from primary and secondary methods of data collection
- Excellent ability to conceptualize and develop assessments

## Work Experience

### I. Touro College of Pharmacy, New York

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|--|------------------------|
| Associate Dean of Assessment, Director of Center of Excellence for Pharmacy Education and Pharmacist Care Services and Associate Professor | August 2023-current    |
| Assistant Dean of Assessment, Director of Center of Excellence for Pharmacy Education and Pharmacist Care Services and Associate Professor | July 2022-August 2023  |
| Assistant Dean of Assessment and Associate Professor   | January 2018-July 2022 |

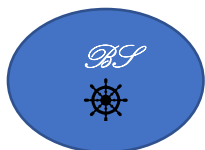
#### A. Associate/Assistant Dean of Assessment

##### Roles and Responsibilities:

As an executive, provide expertise and oversight for the assessment of the Doctor of Pharmacy program. Work with different stakeholders to improve the culture of assessment at the College. Ensure that assessment of educational outcomes and the structures and processes connected to the assessment of educational outcomes are implemented per the College's Assessment Plan. Author reports pertaining to assessment. Serve as an assessment expert on College, University and Professional Organization Committees.

##### Achievements:

1. Provided leadership to create and maintain institutional plans, structures, and processes for generating assessment data and reports
  - a. Led the change in the culture of assessment by creating an appreciation for assessment and how assessment data can be used systematically for continuous quality improvement by engaging faculty and staff in various avenues (one-on-one meetings, seminars, College wide faculty meetings, departmental meetings, committee meetings and scholarship forums) including a special program called "The Assessment Hour."
  - b. Revamped ExamSoft Categories and the procedures to ensure that all faculty and staff involved in course based assessments map their exam questions to categories that can provide curricular assessment data
  - c. Developed new instruments (Student Climate Survey, Faculty Climate Survey, Diversity of Patient Care Experiences and Interprofessional Care Experiences Form etc.) to capture programmatic assessment data that was not captured previously
  - d. Revised Course and Instructor Evaluation instruments and its data collection and reporting system to address the psychometric issues, response rate issues and issues pertaining to integration with the Touro Course and Instructor Evaluation metrics and system
  - e. Facilitated capture and exchange of data to and from different internal stakeholders
    - Worked with Admissions and Academic Affairs to capture admissions to progression trends in the TCOP Program
    - Worked with Curriculum and Assessment Committees to enhance collaboration between the two committees on the use of curricular and programmatic assessment data



- Worked with the Office of Practice Experience to develop new reports that generate programmatic assessment reports such as Achievement of Learning Outcomes for Graduating Students
  - Worked with Office of Student Affairs to capture data for evaluation of its services
  - Worked with all relevant stakeholders to submit the Annual Assessment Report to the Touro College and University System (2018-current)
- f. Advocated for and received support for increase in resources (personnel, technology and training related expenditures) for programmatic assessment and assessment of student learning
- Established a new Assessment Coordinator position and helped the College hire the appropriate person
  - Worked with different stakeholders to increase the number of faculty and staff training programs related to assessment
  - Integrated modern technologies for collection of data and for reporting assessment data (e.g. Enflux)

*Outcome: Change in AACP Faculty Survey Response to two items pertaining to assessment*

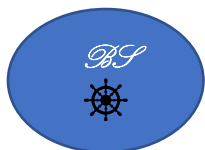
| Item   | % Agree |       |       |      |       |       |       |
|--|---------|-------|-------|------|-------|-------|-------|
|  | 2016    | 2017  | 2018  | 2019 | 2020  | 2021  | 2022  |
| The college/school uses programmatic assessment data to improve the curriculum | 41.6%   | 27.8% | 75.8% | 92%  | 79.3% | 93.3% | 91.3% |
| The assessment processes are effective   | 45.8%   | 33.4% | 65.5% | 96%  | 82.7% | 93.3% | 91.3% |

2. Wrote assessment related standards in accreditation reports submitted to ACPE and helped the College move from a status of "Non-compliant" to "Compliant with monitoring"
3. Represented TCOP and enhanced its visibility within the University and among professional organizations involved in assessment and accreditation
  - a. Invited to be on the TCUS Assessment Taskforce (2018-current)
  - b. Provide consultation to TCUS Institutional Research Team (2018-current)
  - c. Invited to be an Exam Writer (NABP) (2018-2019)
  - d. Invited to be on ACPE Assessment Standards Taskforce (AACP Nominated) (2020-2021)
  - e. Invited to be a presenter for our technology partner Enflux (2020-2021)
  - f. Invited to be on the AACP Institutional Research and Assessment Committee (2021-2022)

## **B. Associate Professor of Social, Behavioral and Administrative Sciences**

### **Roles and Responsibilities**

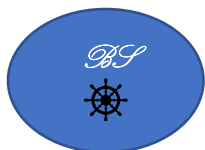
1. Co-ordinate and/or teach: In PharmD program courses offered in the Social and Administrative Sciences area, in Preceptor Development Programs held by the College and in the Teaching Certificate program for pharmacy residents
  - a. Taught in Professional Practice I (SBAN 570): Fall 2018
    - Fall 2018 Instructor Effectiveness Rating: 3.7/4
  - b. Coordinated and Taught in Professional Practice II (SBAN 571): Every Spring 2018-21
    - Spring 2018 Instructor Effectiveness Rating: 3.4/4
    - Spring 2019 Instructor Effectiveness Rating: 3.7/4
    - Spring 2020 Instructor Effectiveness Rating: 3.7/4
    - Spring 2021 Instructor Effectiveness Rating: 3.6/4
    - Spring 2022 Instructor Effectiveness Rating: 3.7/4
  - c. Taught in Pharmaceutical Law and Biomedical Ethics (SBAN 703): Every Fall 2018-20
    - Fall 2018 Instructor Effectiveness Rating: 3.4/4



- Fall 2019 Instructor Effectiveness Rating: 3.4/4
- Fall 2020 Instructor Effectiveness Rating: 3.5/4
- d. Taught in Leadership: Theory and Practice (SBAN 685): Fall 2020, Fall 2021
  - Fall 2020 Instructor Effectiveness Rating: 3.6/4
  - Fall 2021 Instructor Effectiveness Rating: Not Evaluated
- e. Preceptor Development Program
  - Fall 2018: Entrustable Professional Activities and its Assessment
- f. Taught in Residency Teaching Certificate program
  - Spring 2020: Collaboration and Co-Authorship
  - Spring 2021: Ethical Leadership
  - Fall 2021: Exam Writing Workshop
  - Spring 2022: Ethical Leadership
- 2. Research and Scholarship: Initiate and collaborate with colleagues to design and conduct research studies, present them at local, national, and international conferences, write competitive grants and submit manuscripts for publications, be a reviewer for grants and manuscripts submitted to stakeholders in the social administrative science discipline
  - Area of research: pharmacy student teaching & learning needs, training, pharmacist services, treatment outcomes, patient-pharmacist communication; health service needs assessment
- 3. Service: Serve the department, college, and the University in fulfilling its mission and vision
  - a. University Service: Serve on the TCUS Assessment Taskforce and provide consultation to different assessment and accreditation groups within the University per request
    - 2019-2020: Advised Touro Law, Office of Institutional Research and Effectiveness and New York College of Podiatric Medicine
    - 2020-Current: Advised the Office of Institutional Research and Effectiveness team on how to improve the nature and culture of assessment at the University level
    - 2021-Current: Advised Touro College of Pharmacy, California on Enflux use; serve as an External Reviewer for Mock ACPE Self-Study Visit Preparation
    - 2021-Current: Co-Chair, Subcommittee on Professional Development and Training in Assessment
  - b. College Service: Serve as admissions interviewer, proctor Pre-APPE Readiness assessments, advisor to assigned students and mentor faculty colleagues in developing plans for research and scholarship, teaching, learning and assessment, work-life balance, and culture of excellence. Lead and participate in committees and taskforces
    - 2018-2019: Chair, EPA Taskforce
    - 2018-Current: Member, Curriculum Committee, Admissions Committee, Executive Committee, and Assessment Committee, Interprofessional Education Committee, and Co-Curriculum and Portfolios Committee
    - 2019-2020: Member, Taskforce on Committee Structure
    - 2019-Current: Chair, Learning Outcomes Committee
  - c. Department Service: At the discretion and direction of the Department Chair
    - Reviewed and edited department mission and vision statement
    - Peer reviewed courses and department track offerings
    - Represented department perspective in interdepartmental meetings and interdepartmental faculty initiatives
    - 2021-2022: Member, SBA Master's Program Taskforce

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| C. Program Director, Center of Excellence for Pharmacy Education and Pharmacist Care Services | July 1, 2022-now |
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Roles and Responsibilities:

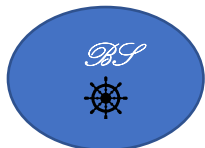


As the Primary Investigator/ Project Director, lead the implementation of the Center's priorities, ensure proposed deliverables are achieved in a timely and collaborative manner, provide oversight of its activities, evaluate it, and submit comprehensive reports to stakeholders. The Center was established based on the receipt of a \$3 million grant for 5 years from Human Resource Services Administration, Department of Health and Human Services. Grant # 1 D34HP45720-01-00)

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|--|----------------------------|
| II. Long Island University   |                            |
| Faculty, Arnold and Marie Schwartz College of Pharmacy and Health Sciences, Brooklyn | January 2007-December 2017 |
| A. Associate Professor of Social Administrative Sciences                             | May 2012-December 2017     |

Roles and Responsibilities:

1. Co-ordinate and/or teach: Taught the following courses offered by Social and Administrative Sciences Department
  - a. Healthcare Delivery Systems (PH 100)
  - b. Patient Behavior and Counseling (PH 101)
  - c. Public Health in Pharmacy Practice (PH 102)
  - d. Communication Skills in Pharmacy Practice (PH 200)
  - e. Pharmacy Practice Management (PH 400)
  - f. Survey Design and Analysis for Student Pharmacists (PH 270)
  - g. Pharmacy Profession and the Health Care System (PHM 314)
  - h. Principles of Health Behavior and Patient-Provider Communication (PHM 420)
  - i. Public Health and Patient Safety (PHM 522)
  - j. Pharmacoeconomics and Pharmacoepidemiology (PHM 515)
  - k. Special Problems/Research for Student Pharmacists
  - l. Graduate Student Thesis
2. Research and Scholarship: Initiate and collaborate with colleagues to design and conduct research studies, present them at local, national, and international conferences, write competitive grants and submit manuscripts for publications, be a reviewer for grants and manuscripts submitted to stakeholders in the social administrative science discipline
  - Area of research: pharmacy student teaching & learning needs, training, pharmacist services, treatment outcomes, patient-pharmacist communication; health service needs assessment
3. Service: Serve the department and college in fulfilling its mission and vision by providing leadership on learning outcomes and assessment (curricular and co-curricular), assist in curricular review and mapping, assist in faculty development efforts, lead new program/curriculum initiatives, assist in developing reports required by Accreditation Council for Pharmacy Education, mentor new faculty and students, participate in Faculty Promotion and Tenure Reviews, participate in College initiatives pertaining to admissions and student development programs, represent the College at academic meetings.
  - a. University Service: By invitation
    - 2010-2013: Member, Middle States Accreditation Educational Effectiveness Committee
    - 2011-2017: Assessment Fellow, Brooklyn Campus
    - 2012-2013: Chair, Faculty Search Committee, Pharmaceutical Science Division
    - 2014: Member, Search Committee, Director of Assessment for College of Pharmacy
  - b. College Service: Based on faculty nomination and election
    - 2010-2013: Chair, Curriculum Assessment Committee
    - 2012-2013: Co-Chair, Self-Study Steering Committee for Accreditation
    - 2013-2017: Member, David Newton Award for Teaching Excellence Committee
    - 2014-2015: Chair, Curriculum Committee



- 2014-2015: Chair, Faculty Review (Retention, Promotion and Tenure) Committee
  - 2016-2017: Chair, Learning Outcomes Committee
  - 2016-2017: Member, Faculty Review (Retention, Promotion and Tenure) Committee
- c. Department Service: At the discretion and direction of the Department Chair
- 2012-2013: Chair, Faculty Search Committee, Pharmaceutical Science Division
  - 2014: Member, Search Committee, Pharmaceutical Science Division
  - 2015: Member, Graduate Student Award Committee
  - 2017: Member, Search Committee, Pharmaceutical Science Division

**B. Assistant Professor of Social Administrative Sciences**

January 2007-May 2012

**Roles and Responsibilities:**

1. Co-ordinate and/or teach: Taught the following courses offered by Social and Administrative Sciences Department
  - a. Healthcare Delivery Systems (PH 100)
  - b. Patient Behavior and Counseling (PH 101)
  - c. Public Health in Pharmacy Practice (PH 102)
  - d. Communication Skills in Pharmacy Practice (PH 200)
  - e. Pharmacy Practice Management (PH 400)
  - f. Survey Design and Analysis for Student Pharmacists (PH 270)
2. Research and Scholarship: Initiate and collaborate with colleagues to design and conduct research studies, present them at local, national, and international conferences, write competitive grants and submit manuscripts for publications, be a reviewer for grants and manuscripts submitted to stakeholders in the social administrative science discipline
  - Area of research: pharmacy student teaching & learning needs, training, pharmacist services, treatment outcomes, patient-pharmacist communication; health service needs assessment
3. Service: Serve the department and college in fulfilling its mission and vision.
  - a. University Service: By invitation
    - 2010-2011: Assessment Software Taskforce
    - 2010-2011: Liaison, Outcomes Assessment Committee, Brooklyn Campus
  - b. College Service: Based on faculty nomination and election
    - 2007-2008: Member, Admissions Committee
    - 2007-2008: Member, Curriculum Committee
    - 2007-2008: Member, Curriculum Assessment Committee
    - 2007-2012: Member, Faculty Review (Retention, Promotion and Tenure) Committee
    - 2009-2010: Vice-Chair, Curriculum Assessment Committee
    - 2009-2010: Member, Honors and Awards Committee
    - 2009-2012: Member, PharmD Curriculum Taskforce
    - 2010-2012: Member, Counseling Taskforce
  - c. Department Service: At the discretion and direction of the Department Chair
    - 2010-2011: Member, Curriculum Redesign Committee

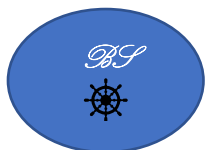
**Assessment Fellow, School of Nursing, Brooklyn Campus**

2011-2017

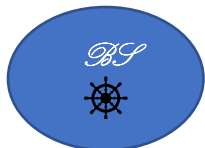
**Roles and Responsibilities:**

1. Provide expertise and assistance to the School of Nursing to meet the goals of the campus and the University pertaining to Outcomes Assessment
2. Review Outcomes Assessment reports submitted by the School of Nursing and provide feedback
3. Liaise with the faculty and leaders of the School of Nursing to develop a culture of assessment
4. Be up to date on assessment requirements and methods recommended by accreditation agencies

**Publications**



1. **Shah B.** Being Patient Centered. TPN 2020; 3(1): 2-3
2. **Shah B.** Making Assessment the Foundation of Our Teaching and Learning. Center for Excellence in Teaching and Learning Blog published on <https://www.touro.edu/departments/cetl/blog/making-assessment-the-foundation-of-our-teaching-and-learning.php>. July 2019
3. Joseph T, Kim E, Barros R, **Shah B.** Evaluation of early versus late post-discharge medication reconciliation on readmission rates and emergency department visits. Journal of Pharmacy Practice 2018; 31 (3): 279-283
4. Sin B, Tatunchak T, Paryavi M, Olivo M, Mian U, Ruiz J, **Shah B,** de Souza S. The use of Ketamine for Acute treatment of pain: A randomized, double-blind, placebo- controlled trial. Journal of Emergency Medicine 2017;52(5):601-608
5. Beliard R, Davanos E, Muzykovsky K, Vincent III W, **Shah B.** Perceptions, Barriers, and Knowledge of Inpatient Glycemic Control: A Survey of Healthcare Workers. Journal of Pharmacy Practice. 2016 Aug; 29(4): 348-54
6. Cha A, Besignano-Long A, Rothberger N, **Shah B.** Reversibility of Renal Dysfunction after Discontinuation of Tenovofir. Journal of the American Pharmacists Association 2016 May-Jun; 56(3): 280-3
7. Lonie J, Marzella N, Perry R, **Shah B,** Jariwala J. Pharmacists Levels of Emotionality and Career Success Correlates: An Exploratory Study. Journal of Pharmacy Practice. Journal of Pharmacy Practice 2015 Jun 11; 28(3): 256-60
8. Shinde S, **Shah B.** Pharmacist Perspectives on Medication Cost and Affordability: A Pilot Study. Innovations in Pharmacy. 2014. 5(2): Article 156
9. Desai K, **Shah B,** Rahim H, Yin H, Lonie J. Genetic Testing for Risk of Lung Cancer: A Pilot Study Examining Perceived Benefits and Barriers using Health Belief Model. American Journal of Cancer Prevention. 2014. 2(2): 24-30
10. Vachirasudlekha B, Cha A, Berkowitz L, **Shah B.** Interdisciplinary HIV Care: Patient Perceptions. International Journal of Health Care Quality Assurance. 2014. 27(5): 405- 413
11. Shtaynberg J, Rivkin A, **Shah B,** Rush S. A Quantitative Professionalism Policy in a Community Pharmacy Introductory Pharmacy Practice Experience. American Journal of Pharmacy Education 2013; 77(10): Article 217.
12. Rahim H, **Shah B,** Jariwala J. Allied Health Profession Students' Attitude towards Patient Role in Treatment Decision-Making. Journal of Allied Health. 2012. 41 (4): 149- 153
13. **Shah B,** Lonie, JM. Assessing the Cultural Competence of Pharmacists Attending A Continuing Education Program. Currents in Pharmacy Teaching and Learning 2012; 4 (4): 24-6
14. **Shah B,** Rahim H, Yin H. Student Pharmacists as Researchers of Consumer Perspectives of the Role of Pharmacists. Currents in Pharmacy Teaching and Learning. 2012; 4 (3): 188-196
15. Benzeroual K, **Shah B,** Shinde S. Pharmacogenomics: Assessing Educational Exposure, Confidence in Knowledge, and Training Elements of Pharmacists. Personalized Medicine. 2012; 9 (4): 387-393
16. Arif S, Gim S, Nogid A, **Shah B.** Journal Clubs During Advanced Pharmacy Practice to Teach Literature Evaluation Skills. American Journal of Pharmacy Education 2012; 76 (5): Article 88.
17. Chewning B, Bylund C, **Shah B,** Arora N, Guegen J, Makoul G. Patient Preferences for Shared Decision-Making: A Systematic Review. Patient Education and Counseling 2012; 86 (1): 9-18
18. Becker E, Caraballo M, **Shah B,** Rahim H. An Experiential Learning Module: Changing Students' Attitudes towards Patient Involvement in Decision-Making. Respiratory Care Education Annual Fall 2011; 20: 25-34
19. **Shah B,** Chawla S. A Needs Assessment for Development and Provision of Medication Therapy Management Services in New York City. Journal of Pharmacy Practice 2011; 24 (3): 339-44
20. **Shah B,** Chewning B. Concordance between Observer Reports and Patient Survey Reports of Pharmacist Communication Behaviors. Research in Social and Administrative Pharmacy 2011; 7 (3): 272-80

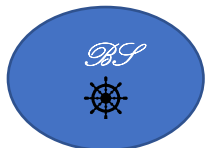


21. Nathan J, Schilit S, Zerilli T, **Shah BK**, Plotkin P, Tykhonova I. Functions Performed by Paid Pharmacy Interns in Hospitals in New York. *American Journal of Health System Pharmacy* 2011; 68: 165-8
22. Cohen V, Jellinek S, Blecker M, Cocchio C, Likourezos A, **Shah B**. Frequency of and reasons for Pharmacy Residents Breaching the National Matching Services Applicant Agreement. *American Journal of Health System Pharmacy* 2010; 67: 1847-1850
23. Yin H, Lonie J, **Shah BK**, Shukla T. Pharmacists' Self-Reported Transfer of Learning and Participation in Continuing Education Programs in Social and Administrative Pharmacy: A Pilot Study. *Currents in Pharmacy Teaching and Learning* 2010; 2: 255– 260
24. Rahim HR, **Shah BK**. Pharmacy Student Perceptions and Emotional Responses to Aggressive Incidents in Pharmacy Practice. *American Journal of Pharmaceutical Education American Journal of Pharmacy Education* 2010; 74 (4): Article 61.
25. **Shah BK**, Rahim HR, Yin H, Bhavsar J. Pharmacy Students' Attitudes towards a Public Health Course Requiring Development of a Public Health Program. *American Journal of Pharmaceutical Education* 2009; 73 (7): Article 134.
26. Mehta M, Pastor C, **Shah BK**. Achieving Optimal Influenza Vaccination Rates: A Survey-based Study of Healthcare Workers in an Urban Hospital. *Journal of Hospital Infection* 2008; 70: 76-79
27. Farley J, **Shah BK**, Taluja A, Varkey A. Where Are You Going After Graduation? Survey on Postgraduate Training Can Help Your Decision Process. *Student Pharmacist*. January/February 2007: 24
28. Mehta B, **Shah B**, Zlott D. Demonstrating Pharmacists' Value: This is the Time and Tide to Work Together. *JAPhA* 2006; 47: 16-7
29. **Shah BK**, Chewning BC. Conceptualizing and Measuring Pharmacist-Patient Communication: A Review of Published Studies. *Research in Social and Administrative Pharmacy* 2006; 2: 153-185
30. **Shah BK**, Lively BT, Goodman H, White D. Reasons Why Herbal Users Do Or Do Not Tell Their Physicians About Their Use: A Survey Of Adult Ohio Residents. *Journal of Pharmacy Technology* 2006; 22(3): 148-155
31. **Shah BK**, Siganga WW, Shah SC, Mallya U. Pharmacy Student Perspectives on Classroom Education about Herbal Supplements. *American Journal of Pharmaceutical Education* 2005; 59(5): Article 102.
32. Hicks C, Siganga WW, **Shah BK**. Enhancing Pharmacy Student Business Management Skills by Collaborating With Pharmacy Managers to Implement Pharmaceutical Care Services. *American Journal of Pharmaceutical Education* 2004; 68(4): Article 94.

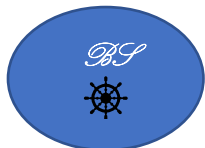
## Presentations

1. Chen A, Park S, Bechtol R, Anderson H, Shah B, Hardinger K, Young M. Current practices of using students' course evaluations for programmatic improvement across pharmacy programs. Poster Presentation at the Annual Meeting, American Association of Colleges of Pharmacy (AACP), Aurora, Denver. July 22-25, 2023.
2. Andrade J, Wang Z, Unni E, **Shah B**, Ray D, Holz K. From Theory to Practice To Active Involvement: A 360 Approach to Advocacy Training. Oral Presentation at the Annual Meeting, American Association of Colleges of Pharmacy (AACP), Aurora, Denver. July 22-25, 2023.
3. Andrade J, Wang Z, Unni E, **Shah B**, Ray D, Holz K. Results from Phase One and Two of a Theory to Practice Approach to Advocacy Training. Poster Presentation at the Annual Meeting, American Association of Colleges of Pharmacy (AACP), Aurora, Denver. July 22-25, 2023.
4. Senhaji-Tomza B, Brown M, **Shah B**, Johnson B. Integration of Patient-and Family-Centered Care Core Concepts & Strategies in Pharmacy Curriculum. Poster Presentation at the Annual Meeting, American Association of Colleges of Pharmacy (AACP), Grapevine, Texas. July 23-27, 2022
5. **Shah B**, Ligorski J, Abramson H. Lessons Learned: Assessment of the Pandemic. Invited Oral Presentation. 2022 TCUS Assessment Summit. February 22, 2022. Hosted by Touro College and University System.
6. Liu C, Senhaji-Tomza B, **Shah B**. Evaluation of the Outcomes of a Longitudinal Interprofessional

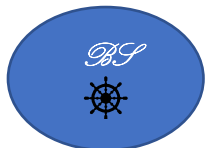




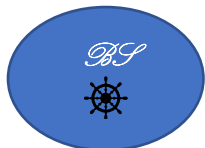
- Education Course at Touro College of Pharmacy. Poster Presentation at the Touro College and University System Interprofessional Education Summit. March 18, 2021
7. Fuchs H, **Shah B**. A Multi-Pronged Strategy to Enhance Diversity and Inclusion in a Metropolitan College of Pharmacy. Microsession Presentation at the American Association of Colleges of Pharmacy Interim Meeting. March 1-3, 2021
  8. **Shah B**, Zertuche A. What's Your Assessment Data Telling You About Faculty Curricular Assessment Skills?. Invited Webinar. American Association of Colleges of Pharmacy Webinar Series. September 1, 2020
  9. Kavanagh R, **Shah B**. Using ExamSoft Rubrics to Assess Student Pharmacists Co-Curricular Reflections. Pecha Kucha Presentation at the ExamSoft Assessment Conference 2020 (postponed to 2021 due to COVID-19).
  10. **Shah B**, Mobley J, Shenberger-Trujillo J. How to Reinforce Assessment Efforts through Enflux Action Plans and Attachments. Invited Panel Discussion via an Enflux hosted Online Webinar. April 15, 2020.
  11. **Shah B**, Miller T and Lindquist K. Next Generation Assessment Using the ExamSoft Platform. Invited Presentation at the 2019 TCUS Assessment Summit. March 2019
  12. Basu P, Senhaji-Tomza B, **Shah B**, Loewy Z. Design and Development of a Translational Research Elective Curriculum for Pharmacy Students. Poster Presentation at the American Association of Colleges of Pharmacy Annual Meeting in Boston, Massachusetts. July 2018
  13. **Shah B**. Careers for Pharmaceutical Scientists: A Panel Discussion. Invited Presentation Dean's Hour program facilitated by the Dean's Office in partnership with AAPS and Tau Omega Chi student organization. St. John's University. April 17, 2018
  14. Bhatti S, Rubin R, **Shah B**. Evaluating the Outcome of a Clinical Pharmacist Involvement in Managing In-Patient Hyperglycemia. Podium Presentation at the 2017 NYC Regional Pharmacy Residency Conference, NYC, NY. June 2017
  15. **Shah B**, Maltz F, Shtyanberg J. Formulating a Systematic Plan to Develop, Assess, and Monitor Professionalism in the PharmD program. Poster Presentation at the American Association of Colleges of Pharmacy Annual Meeting in Nashville, Tennessee. July 2017
  16. Maltz F, Nogid A, **Shah B**. Student Self-efficacy in the Community Pharmacy Introductory Pharmacy Practice Experience. Poster Presentation at the American Association of Colleges of Pharmacy Annual Meeting in Nashville, Tennessee. July 2017
  17. Bhar S, **Shah B**. Business Perspectives of a Pharmacist Health Coach. ACCP Virtual Poster Symposium. May 2017
  18. Bhatti S, Rubin R, **Shah B**. Evaluating the Outcome of a Clinical Pharmacist Involvement in Managing In-Patient Hyperglycemia. Podium Presentation at the 2017 NYSCHP Annual Assembly, Bolton Landing, NY. April 2017
  19. Ude S, **Shah B**. Pharmacists Perspectives on Medication Synchronization. Poster Presentation at the 2017 PSSNY Mid-Winter Meeting, Albany, NY. January 2017
  20. Shalav K, **Shah B**. Examination of Data Integrity Issues in 2015-16 FDA Warning Letters. Poster Presentation at the AAPS Annual Meeting, Denver, CO. November 2016.
  21. **Shah B**. Effect of an intervention on the readability of student pharmacists developed medication guides. Poster Presentation at the International Social Pharmacy Workshop, Aberdeen, UK. July 2016.
  22. Nanavaty M, **Shah B**. Public Perspectives on Cost-Related Non-Adherence among Patients. Poster Presentation at the International Society for Pharmacoeconomics and Outcomes Research Conference, Philadelphia, PA. May 2015
  23. Sorbera M, Chung E, Preis J, Saliba A, Muresanu M, **Shah B**. Evaluation and Management of Sepsis within the Emergency Department at the New York Harbor Healthcare System, Brooklyn Campus. Podium Presentation at the Eastern State Regional Conference, Hershey, PA. May 2014



24. Monskaya M, Chung E, Preis J, **Shah B**. Evaluation of risk factors and treatment outcomes in Carbapenem-Resistant Enterobacteriaceae infection among a veteran population. Podium Presentation at the Eastern State Regional Conference, Hershey, PA. May 2014
25. **Shah BK**, Zerilli T, Traugh C, Salzer E, Wang D, Morley K. Linking Learning and Accreditation Experiences. Panel Presentation at the Annual Teaching Narratives Conference, LIU Brooklyn, October 18, 2013
26. Tarantola C, **Shah B**, Chawla S. Community Pharmacists Readiness to Assess, Advise and Refer Patients to Quitline Services. Poster Presentation at the American Pharmacists Association Annual Meeting, Los Angeles, CA. March 2013
27. **Shah BK**, Brown M and Villoth V. "Online" Live Assessment of Pharmacy Student Performance on Objective Structured Clinical Examinations. Presented at the Annual Summer Teaching with Technology Conference, LIU Brooklyn, June 26, 2012
28. Béliard R, Davanos E, Vincent III W, Muzykovsky K, **Shah B**. Perceptions, Barriers, and Knowledge of Inpatient Hyperglycemia: A Survey of Healthcare Providers. Podium Presentation at the Eastern State Regional Conference, Hershey, PA. May 2012
29. **Shah BK**, Shinde S and Lonie JM. Qualitative Research: An Introduction: Based on "Student Reflections on Patients' Perspectives of Living with a Chronic Condition." Presented at the LIU Brooklyn Faculty Instructional Technology Seminar, February 16, 2012.
30. Shinde S, **Shah BK**. An Exploration of Patient-Provider Communication About Medication Costs and Affordability. Podium Presentation at the American Pharmacists Association (APhA) Annual Meeting & Exposition, 2012, New Orleans, LA. Abstract published in March/April 2012 issue of the Journal of American Pharmacists Association.
31. Lonie J, Marzella N, Perry R, **Shah B**, Jariwala J, Antonio-Lonie L. Exploring the Relationship Between How Pharmacists Think and How Pharmacists Manage Workplace Conflict. Poster Presentation at the American Pharmacists Association (APhA) Annual Meeting & Exposition, 2012, New Orleans, LA. Abstract published in March/April 2012 issue of the Journal of American Pharmacists Association.
32. O'Brien P, Nathan J, **Shah B**, Keogh T. Patient Knowledge of Psychiatric Medications at Time of Discharge from Psychiatric Inpatient Unit. 2<sup>nd</sup> Annual New York-Presbyterian Hospital and The Methodist Hospital (Houston, Texas) Collaborative Nursing Research and Evidence-Based Practice Symposium: Using Evidence to Advance Practice. October 13, 2011
33. **Shah BK**, Lonie J, Rahim H. Assessing Educational and Training Needs of Community Pharmacists Regarding Cultural Competence: A Pilot. Poster Presentation at the American Association of Colleges of Pharmacy Annual Meeting, 2011 in San Antonio, Texas.
34. **Shah BK**, Shinde S. Medication Costs and Affordability Related Communication and Services At Community Pharmacies. Poster Presentation at the American Association of Colleges of Pharmacy Annual Meeting, 2011 in San Antonio, Texas
35. Benzeroual K and **Shah B**. Pharmacogenomics education and training needs for pharmacists: A Pilot Study. Poster Presentation at the American Association of Colleges of Pharmacy Annual Meeting, 2011 in San Antonio, Texas
36. **Shah BK**, Rahim HR, Becker E. Does a "Students as Researchers" Activity Improve Pharmacy Students' Attitudes Towards Patient Involvement in Treatment Decision-Making? Oral Presentation at the International Social Pharmacy Workshop, Lisboa, Portugal Aug 23-26, 2010.
37. Rahim HR, **Shah BK**, Becker E, Carraballo M, Crooks A, Iacobellis F. Allied Health Profession Students' Attitude towards Patient Role in Treatment Decision-Making. Oral Presentation at the International Social Pharmacy Workshop, Lisboa, Portugal Aug 23-26, 2010
38. Yin H, Rahim HR, **Shah BK**. Impact of Medicare Part D on the US Elderly: Better off or Worse off? Poster Presentation at the International Social Pharmacy Workshop, Lisboa, Portugal, Aug 23-26, 2010



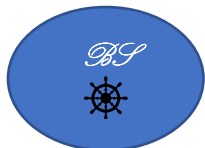
39. Gim S, Arif S, **Shah B** and Nogid A. Impact of a didactic literature evaluation course on student perception of the value of journal club. Poster Presentation at the American Association of Colleges of Pharmacy Annual Meeting, 2010
40. Daniels E, **Shah B**, Chawla S. Patient Willingness-To-Pay for Pharmacist Directed Nutrition Education and Weight Loss Program in the Community Pharmacy Setting. Poster Presentation at the American Society of Health-System Pharmacy Midyear Meeting, 2010.
41. "Reflections on Teaching" Podium Speech at the New Faculty Orientation Program, Organized by Long Island University, Fall 2010
42. Rambarat R, **Shah BK**, Chawla S. Impact of Pharmacist Interventions on Weight Gain, Smoking Cessation, and the Use of Nicotine Replacement in Weight-Concerned Smokers. Poster Presentation at the American Society of Health-System Pharmacy Midyear Meeting, 2009.
43. Kaplan K, **Shah BK**, Gim S, Vincent III W. Descriptive Analysis of Regional Disparities Among Pharmacy Residency Programs in the United States. Poster Presentation at the American Society of Health-System Pharmacy Midyear Meeting, 2009.
44. Banzuelo E, Horvath J, Lam A, **Shah B**. Determining the Pharmacy Technician certification standards within hospitals in New York City. Poster Presentation at the American Society of Health-System Pharmacy Midyear Meeting, 2009.
45. **Shah BK**, Rahim HR, Yin H. Pharmacy Students' Attitudes towards a Public Health Course Requiring Development of a Public Health Promotion and Disease Prevention Program. Poster Presentation at the Annual American Association of Colleges of Pharmacy Meeting, 2009
46. Yin H, Lonie J, **Shah BK**. Pharmacists' Perceptions of Social and Administrative Science (SAS) Continue Education (CE) Programs. Poster Presentation at the Annual American Association of Colleges of Pharmacy Meeting, 2009
47. Rahim HR, **Shah BK**. Pharmacy Students' Perceptions, Experiences of Aggression and Emotional Responses to Aggressive Incidents in Pharmacy Practice. Poster Presentation at the Annual American Association of Colleges of Pharmacy Meeting, 2009
48. **Shah BK**, Rahim HR. Student Perceptions of Consumer Perspectives of Pharmacist Role in the Healthcare System. Poster Presentation at the Annual American Association of Colleges of Pharmacy Meeting, 2008
49. Yin H, **Shah BK**, Rahim HR. Validating the Perceptions of Aggression Scale in Pharmacy: A Rasch Model Analysis Based on Pharmacy Student Data. Poster Presentation at the Annual American Association of Colleges of Pharmacy Meeting, 2008
50. **Shah BK**, Chewning BA. Pharmacists' Drug-Related Information Provision Behaviors and Patient Self-Report of Its Importance. Poster Presentation at the Annual American Association of Colleges of Pharmacy Meeting, 2007
51. Rahim H, **Shah BK**, Chewning BA. Discrepancy between patients' perception of and independent observer's observations of pharmacists' question-asking behavior. Poster Presentation at the Annual American Association of Colleges of Pharmacy Meeting, 2007
52. **Shah BK**, Chewning BA. Pharmacists and Technician Perceptions of the Safety Culture in Community Pharmacies. Oral Presentation at the American Pharmacists Association Annual Meeting, 2007
53. **Shah BK**, Chewning BA. Quality of Care offered in Community Pharmacies. Poster Presentation at the American Pharmacists Association Annual Meeting, 2007
54. Chewning BA, Sleath BS, **Shah BK**, DeVellis B, Simmons-Yon A. Concordance in medication decisions for rheumatoid arthritis: patient-provider discussion pathways. Oral Presentation at the EACH, Sept 2006.
55. **Shah BK**, Patwardhan P, Gadkari A, Chewning B. Patient Desire for Information from Pharmacists and Barriers to Question-Asking. Oral Presentation, American Pharmacists Association Meeting, 2006.
56. **Shah BK**, Gadkari AS, Patwardhan PD, Chewning BA. A Three Year Trend Analysis of Consumer Information Needs, Sources and Barriers to Asking Questions to their Pharmacists. Poster Presentation at the American Pharmacists Association Annual Meeting, 2006.



57. **Shah BK**, Chewning BA, Sleath BS, DeVellis B. Rheumatoid Arthritis Patients' Concerns, Dynamic Medication Regimens and Opportunity for Concordance. Poster Presentation at the American Association of Physician and Patient, October 2005.
58. Chewning BA, Sleath BS, **Shah BK**, DeVellis B. Reaching Drug Decisions in Arthritis Care: Examining Pathways to Measure Concordance. Oral Presentation at the American Association of Physician and Patient, October 2005.
59. Sleath B, Chewning B, DeVellis B, **Shah BK**. Rheumatoid Arthritis Patients' Issues With and Preferences for their Medication Regimens. Poster Presentation at the American Association of Physician and Patient, October 2005.
60. Chewning BA, Bylund C, **Shah BK**, Karmin S, Arora N, Makoul G. Patient Preferences for Shared Medical Decisions. Oral Presentation at the Academy of Health Research Meeting, June 2005.
61. **Shah BK**, Chewning B. Conceptualizing and Measuring Pharmacist-Patient Communication: A Review. Oral Presentation at the American Pharmacists' Association, 2005 (Citation: JAPhA 2005; 45 (2): 267)
62. **Shah BK**, Chewning BA. Pharmacist-Technician Team Agreement on Pharmacists' Counseling Role: An Exploratory Study. Poster Presentation at the American Pharmacists' Association Annual Meeting, 2005 (Citation: JAPhA 2005; 45(2): 276-277)
63. Chewning BA, Bylund C, **Shah BK**, Arora N, Makoul G. Patient Preferences for Participation in Medical Decision-Making: A Review of the Literature. Oral Presentation at the European Association for Communication in HealthCare, 2004.
64. **Shah BK**, Chewning BA. Manager and Technician Attitudes towards Pharmacists Counseling Role. Poster Presentation at the Midwestern Pharmacy Administration Conference, 2004.
65. **Shah BK**, Chewning BA, Sleath B, and Rubin R. Decision-making Preferences among Complementary and Alternative Medicine Users and Non-Users. Poster Presentation at the American Pharmacists Association Annual Meeting, 2004.
66. **Shah BK**, Lively BT, Holiday-Goodman M, Chewning BA. Patient Perspectives on Herbal Use: Reasons Why They Tell or Do not Tell Their Physicians about Their Herbal Use. Poster Presentation at the American Pharmacists Association Annual Meeting, 2003.
67. Lalla A, **Shah BK**, Siganga WW. Pharmacy Students Use Of Reference Sources. Oral Presentation at the American Pharmaceutical Association Annual Meeting, 2002

## **Faculty, Resident, Preceptor Development and Continuing Education Programs Presentations**

- 2022: Ethical Leadership (Leadership Certificate Program for PGY2 Residents and Fellows, April 2022)
- 2021: Exam Question Writing (Teaching Certificate Program for PGY1 Residents and Fellows, December 2021)
- 2021: Fundamentals of Exam Question Writing & Best Practices in Exam and Question Performance Reviews (TCOP Faculty Development Workshop, September 2021)
- 2021: Student Empowerment Using Technological Resources (TCOP Faculty Development Workshop, September 2021)
- 2021: Ethical Leadership (Leadership Certificate Program for PGY2 Residents and Fellows, April 2021)
- 2020: Collaboration and Co-Authorship (Teaching Certificate Program for PGY1 Residents and Fellows, January 2020)
- 2019: Using ExamSoft Longitudinal Reports to Help Students Develop Metacognitive Skills (February 2019)
- 2018: Rubrics and Checklists (TCOP Assessment Hour, November 2018)
- 2018: Exam Blueprints (TCOP Assessment Hour, October 2018)
- 2018: Entrustable Professional Activities and its Assessment (TCOP Preceptor Development Program, October 2018)
- 2018: Item Analysis: How do you establish the rigor of your exam (TCOP Assessment Hour, September 2018)



- 2010: Cross Cultural Communication. Continuing Education Program Presentation at LaGuardia Marriott, New York, Organized by Arnold and Marie Schwartz College of Pharmacy Continuing Education Program, Long Island University, June 2010
- 2010: Complementary and Alternative Management Strategies for Asthma Patients. Continuing Education Program Presentation at LaGuardia Marriott, New York, Organized by Arnold and Marie Schwartz College of Pharmacy Continuing Education Program, Long Island University, March 2010
- 2009: Essential Management Principles for Pharmacists. Continuing Education Program Presentation at LaGuardia Marriott, New York, Organized by Arnold and Marie Schwartz College of Pharmacy Continuing Education Program, Long Island University, April 2009
- 2008: Integrating Medication Therapy Management Services in Your Practice. Continuing Education Program Presentation at LaGuardia Marriott, New York, Organized by Arnold and Marie Schwartz College of Pharmacy Continuing Education Program, Long Island University, April 2008

## Grants

- 2022: Principal Investigator, Center of Excellence, HRSA (\$3M over 5 years)
- 2016: Principal Investigator, Intramural Research Support Program, LIU (\$3,500)
- 2012: Principal Investigator, Teaching and Learning Institute Grant, LIU (\$5,000)
- 2011: Co-Investigator, Intramural Research Support Program, LIU (\$4,000)
- 2010: Co-Investigator, Dean Gross Fund for Public Health and Policy Grant, LIU (\$10,000)
- 2010: Co-Investigator, Health and Wellness Institute Grant, LIU (\$ 4,500)
- 2009: Principal Investigator, Health and Wellness Institute Grant, LIU (\$ 4,500)
- 2009: Principal Investigator, Teaching and Learning Institute Grant, LIU (\$5,000)
- 2008: Co-Designer of Asthma Education, Counseling and Prevention Program, CDC (\$350,000)
- 2007: Principal Investigator, Teaching and Learning Institute Grant, LIU (2,500)
- 2006: Vilas Graduate Student Travel Grant, UW-Madison (\$600)

## Honors and Awards

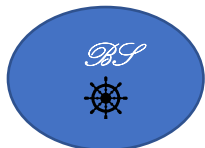
- 2019: Fellow, AACP Academic Leadership Fellows Program
- 2009-19: PCOA/FPGEE Exam Writer
- 2012-14: Co-Chair for Self-Study Steering Committee for Accreditation, College of Pharmacy, Long Island University
- 2009: David Newton Teacher of the Year, Long Island University
- 2009: Phi Lambda Sigma Leadership Society Inductee, Long Island University
- 2007: Best Dissertator Award, University of Wisconsin-Madison
- 2007: Finalist, APhA-ESAS Best Presentation Award, APhA Annual Meeting
- 2007: Finalist, Consortium for Research on Administrative Pharmacy/Wiederholt Award; 2006 Biennial Midwest Pharmacy Administration Conference
- 2006: Finalist, Best Poster Award at the 2006 Annual American Pharmacist Association Conference, Winner of Honorable Mention Award

## Membership

- 2021-Current: International Pharmaceutical Federation
- 2021-Current: Association for Institutional Research
- 2002-Current: American Pharmacists Association
- 2007-Current: American Association of Colleges of Pharmacy

## Professional Service

- 2023-Current: Member of Board of Directors, Visiting Nurse Services, Westchester
- 2023-Current: Member, ACPE Site Review Team
- 2021-Current: Chair (2022-24), member (2021), AACP Institutional Research and Assessment Committee



2021: Consultant to AUHS for ACPE Site Visit Preparation (Assessment)  
 2020: ACPE Assessment Taskforce  
 2020: AACP Curriculum Committee, Social and Administrative Science Section, American Association of Colleges of Pharmacy  
 2017-Current: Editorial Board Member, Research in Social and Administrative Pharmacy (RSAP) Journal  
 2017: AACP New Investigator Award Grant Reviewer  
 2017: AACP Curriculum Committee, Social and Administrative Science Section, American Association of Colleges of Pharmacy  
 2016-2017: External Reviewer, Promotion and Tenure, 2 Candidates at 2 Different College of Pharmacy  
 2008-2012, Current: AACP Programming Committee, Social and Administrative Sciences Section, American Association of Colleges of Pharmacy  
 2009-2019: National Association of Boards of Pharmacy Foreign Pharmacy Graduate Equivalency Examination/Pharmacy Curriculum Outcomes Assessment (FPGEE/PCOA) Examination Writer  
 2007-Current: Manuscript Reviewer for the following journals:

- Currents in Pharmacy Teaching and Learning
- Journal of American Pharmacists Association
- Journal of Pharmacy Practice
- American Journal of Pharmacy Education
- Research in Social Administrative Pharmacy
- BMC Geriatrics
- Current Medical Research and Opinion
- International Journal of Pharmacy Practice
- Innovations in Pharmacy

2011: Moderator, American Association of College of Pharmacy Annual Meeting  
 2010: American Pharmacists Association Contributed Papers Reviewer  
 2005-2006: Post-Graduate Officer, American Pharmacists Association  
 2001-2002: Treasurer, International Society for Pharmaceutical Outcomes and Research

### **Education**

|  |                                 |           |
|--|---------------------------------|-----------|
| Master of Science in Regulatory Affairs                                | Long Island University          | 2013-2014 |
| Doctor of Philosophy in Social and Administrative Sciences in Pharmacy | University of Wisconsin-Madison | 2006-2007 |
| Master of Science in Pharmacy and Healthcare Administration            | University of Toledo, Ohio      | 2002      |
| Bachelor of Pharmacy   | University of Pune, India       | 1999      |