

Rahmat M. Talukder, R.Ph., Ph.D.

Fisch College of Pharmacy
The University of Texas at Tyler
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Tyler, TX 75799
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ACADEMIC APPOINTMENTS:

September 2021 – Present

Founding Chair & Professor, Department of Pharmaceutical Sciences and Health Outcomes
Fisch College of Pharmacy, The University of Texas at Tyler (UT Tyler), Tyler, TX

June 2014 – August 2021

Founding Chair & Associate Professor, Department of Pharmaceutical Sciences and Health Outcomes
Fisch College of Pharmacy, The University of Texas at Tyler (UT Tyler), Tyler, TX

May 2012 – June 2014

Founding Chair & Associate Professor, Department of Pharmaceutical Sciences
School of Pharmacy, West Coast University, Los Angeles, CA

Aug. 2010 – May 2012

Associate Professor of Pharmaceutical Sciences (Tenured)

College of Pharmacy, Southwestern Oklahoma State University (SWOSU), Weatherford, OK

Jan. 2005 – July 2010

Assistant Professor of Pharmaceutical Sciences

College of Pharmacy, Southwestern Oklahoma State University, Weatherford, OK

Teaching responsibilities: Pharmaceutics, Biopharmaceutics, Compounding and Dispensing Laboratories, and Controlled Release Drug Delivery Technology (An elective).

Summer 2001, 2002, & 2003

Health Career Opportunity Program, Temple University, PA

Instructor: Pharmaceutical Calculations for students entering into the Pharm.D. program at Temple University School of Pharmacy.

PROFESSIONAL EXPERIENCE:

Feb. 2001-Dec. 2004

Pharmacist

Jeanes Hospital, Philadelphia, PA

March 1991-Aug 1998
Pharmacist
Genovese Drug Stores Inc., Melville, NY

Dec. 1990-March 1991
Assistant to the Director of Regulatory Affairs
Pfizer Pharmaceuticals, New York, NY

EDUCATION AND TRAINING:

The Academy for Department Chairs,
American Council on Education (ACE)
Long Beach, CA, 2013

Assessment and Accreditation Management System (AAMS)
American Association of Colleges of Pharmacy (AACP)
Chicago, IL 2011

Site Evaluator Training
Accreditation Council for Pharmacy Education (ACPE)
Chicago, IL 2009

Temple University School of Pharmacy, Philadelphia, PA
Ph.D. in Pharmaceutics, 2005

St. John's University, Queens, NY
B.S. in Pharmacy with Honor, 1991

Dhaka University, Dhaka, Bangladesh
B. Pharm. 1987

RESEARCH GRANTS AND CONTRACTS:

2019. Talukder, RM. President's Success Initiatives Grant, The University of Texas at Tyler. Enhancing students' numeracy skills. Amount \$7,500. Completed.

2018. Talukder, RM. AACP SoTL Grants. 2018. Faculty Development and Reward Structures to Promote SoTL in US 4-year Colleges and Universities. Amount \$4000 (not funded).

2011. Development of Phospholipid solid dispersions with improved gastric tolerance of NSAIDS. Grant proposal submitted to OK INBRE for 2012-2013; then left. Amount \$75,000.

2010. Southwestern Oklahoma State University (SWOSU) (Internal) – Equipment grants

2010. In-vitro evaluation of the effects of alcohol on drug release from various types of oral modified release dosage systems. Grant proposal submitted to OK INBRE for 2010-2011. Amount \$50,000 (not funded).

2009-2010 – SWOSU – A Preliminary Study on the Effects of Ethanol on Dissolution of Selected Modified Release Dosage Forms. Amount \$3,500. Completed.

2007- 2008 Aqualon Pharmaceuticals and SWOSU - Asymmetric press-coated matrix system for near zero-order sustained drug release (Aqualon provided us with raw materials, chemicals, and technical assistance.). Completed

2006-2007 Aqualon Pharmaceuticals and SWOSU - Solid State and Dissolution Rate Characterization of Poorly Soluble Drugs in Presence of a Hydrophilic Carrier (Aqualon provided us with raw materials, chemicals, and technical assistance). Completed

2006 SWOSU (Internal) – Equipment (dissolution apparatus) grants.

PROFESSIONAL LICENSURE:

Registered Pharmacist in the states of NY, OK, & TX (CT & PA licenses are currently inactive)

PUBLICATIONS:

Mohammed A. Islam, Suhui Yang, Radhika V. Kumar, Arjun Dutta, **Rahmat M. Talukder**. Focus of Societal Responsibility in the Vision and Mission Statements of the United States pharmacy Schools/Colleges. *Pharmacy Education*. 2021; 21(1): 477 - 486
<https://doi.org/10.46542/pe.2021.211.477486>

Islam, M.A., **Talukder, R.**, Taheri, R., and McBane, S. Faculty assessment of Scholarship of Teaching and Learning among US pharmacy programs. *Currents in Pharmacy Teaching and Learning*. October 2020; 12 (10): 1163-1170

Islam, M.A., **Talukder, R.**, Taheri, R., and Dutta, A. Pharmacy Relative to Other Health Professions in Interprofessional Education: A Bibliometric Study. *Journal of the NBNA*. 2019; 30 (2): 38-43.

Mohammed I, Bagheri R, Lung L, Park S, **Talukder R**. Status of teaching certificate programs offered by US colleges and schools of pharmacy. *Health Professions Education*. 2019;
<https://doi.org/10.1016/j.hpe.2019.04.001>

Islam MA, Khan SA, Gunaseelan, S, **Talukder, R**. Physician Perceptions of Integrating Pharmacists into Healthcare in Bangladesh. *J Pharm Pract and Res*. 2018; 48(4): 328-333. Doi. 10.1002/jppr.1401.

Islam, M.A., **Talukder, R.**, Taheri, R., and Blanchard, N. Integration of Basic and Clinical Science Courses in US Pharm.D. Programs. *Am J Pharm Educ.* 2016; 80 (10): 1-11.

Islam, M.A., Khan, S.A., **Talukder, R.** Status of Physiology Education in US Doctor of Pharmacy programs. *Adv Physiol Educ.* 2016; 40(4):501-508.

Islam, M.A., Chen, G., and **Talukder, R.** Specialty Tracks in PharmD Curricula of US Colleges and Schools of Pharmacy. *Currents in Pharmacy Teaching and Learning.* 2016; 8(6):774-781.

Islam, M.A., Khan S.A., Gunaseelan, S., and **Talukder, R.** Specialty education for student pharmacists and PharmD graduates in US Colleges and Schools of Pharmacy. *Currents in Pharmacy Teaching and Learning.* 2016; 8:184-190.

Islam MA, Gunaseelan S, **Talukder, R.**, Khan S. Current Challenges in Pharmacy Education in Bangladesh: A Roadmap for the Future. *Currents in Pharmacy Teaching and Learning.* 2014; 6:730–735, 2014.

Hussain, MD. Saxena, V. Brausch, JF. **Talukder, R.** Ibuprofen-phospholipid solid dispersions: improved dissolution and gastric tolerance. *Int J Pharm.* 2012; 422(1-2):290-4. DOI: 10.1016/j.ijpharm.2011.11.011.

Talukder, R. Reed, C. Dürig, T. Hussain, MD. Dissolution rate and solid state characterization of poorly water-soluble drugs in presence of a hydrophilic carrier. *AAPS PharmSciTech.* 2011; 12(4):1227-33. DOI: 10.1208/s12249-011-9697-8

Talukder, R & Pray, SAutomated External Defibrillators in Community Setting. *US Pharmacist.* 2009; 34(2):12-15

Talukder, R & Fassihi, R. Development and in-vitro evaluation of a colon-specific controlled release drug delivery system. *Journal of Pharmacy and Pharmacology,* 2008; 60(10):1297-1303.

Talukder, R. & Fassihi, R. Gastroretentive Delivery Systems (GRDS): A Mini Review. *Drug Development and Industrial Pharmacy.* 2004; 30(10), 1019-1028.

Talukder, R. & Fassihi, R. Gastroretentive delivery systems: Hollow beads. *Drug Development and Industrial Pharmacy.* 2004, 30(4), 405-412.

Talukder, R. & Toscani, M. Fluconazole: A New Systemic Antifungal. *The Journal of Osteopathic Medicine.* 1990; 4(9), 16-17.

TEXT BOOK/ BOOK CHAPTERS:

Fassihi, Safa; **Talukder, Rahmat**; Fassihi, Reza. Colon Targeted Delivery Systems for Therapeutic Applications: Drug Release from Multiparticulates, Monolithic Matrix and Capsule Filled Delivery Systems in *Targeted Nanosystems for Therapeutic Applications: New Concepts, Dynamic Properties, Efficiency, and Toxicity*. 2019. In Press. ACS Books. Manuscript ID: bk-2018-00454d.

Talukder R, Philip A, Khan MOF. Chapter 8. Drug Metabolism. In: Philip A, Khan MOF, Eds. *Medicinal Chemistry for Pharmacy Students*. Vol. 1. UAE: Bentham Science 2018; pp. 188-280.

REFERRED ABSTRACTS:

Talukder, R., So, Y., Presson, R. Islam, M. Institutional structures to promote interprofessional education in US colleges and universities. AACP Annual Conference, Chicago, IL. July 2019

Talukder, R., Islam, M. Faculty Development and Reward Structures to Promote SoTL in US 4-year Colleges and Universities. International Society of Scholarship of Teaching and Learning Annual Conference, Bergen, Norway, October 2018.

Islam, MA., **Talukder, R.**, Reza Taheri. Status of Scholarship of Teaching and Learning in US Colleges and Schools of Pharmacy. International Society of Scholarship of Teaching and Learning Annual Conference, Bergen, Norway, October 2018.

So, Y., **Talukder, R.** Organizational Structures to Promote SoTL in US 4-year Colleges and Universities. AACP Annual Conference, Boston, MA, July 2018

Talukder, R. Islam, MA. Taheri, R. (2017) Contribution of pharmacy academia in the educational research output on curricular integration: A bibliometric study. American Association of Colleges of Pharmacy Annual Meeting, Nashville.

McBane, S. **Talukder, R.** Islam, MA. Taheri, R. (2017) The US pharmacy faculty perceptions about the Scholarship of Teaching and Learning (SoTL). American Association of Colleges of Pharmacy Annual Meeting, Nashville.

Islam, M.A., Gunaseelan, S., and **Talukder, R.** (2016). Teaching Certificate Programs Offered by US Colleges/Schools of Pharmacy. American Association of Colleges of Pharmacy Annual Meeting, Anaheim, California, 2016.

Gunaseelan, S., Islam, M.A., and **Talukder, R.** (2016). Nuclear Pharmacy education in US Colleges and Schools of Pharmacy. American Association of Colleges of Pharmacy Annual Meeting, Anaheim, California, July 22-27.

Gunaseelan, S., Islam, M.A., and **Talukder, R.** (2016). Non-Patient Care Elective Course Offerings by US schools/colleges of pharmacy. American Association of Colleges of Pharmacy Annual Meeting, Anaheim, California, July 22-27.

Islam MA, **Talukder R.**, Taheri R, Blanchard N. Integration of basic and clinical science courses in US PharmD Programs. American Association of Colleges of Pharmacy Annual Meeting, National Harbor, Maryland, July 11-15, 2015. *Am J Pharm Educ.* 79 (5): Article S4. doi: 10.5688/ajpe795S4

Islam MA and **Talukder R.** Current status of physiology education in the US PharmD programs. American Association of Colleges of Pharmacy Annual Meeting, National Harbor, Maryland, July 11-15, 2015. (2015). *Am J Pharm Educ.* 79 (5): Article S4. doi: 10.5688/ajpe795S4

Gunaseelan S, Islam MA, **Talukder R.** Current status of post-PharmD fellowships offered by US schools/colleges of pharmacy. American Association of Colleges of Pharmacy Annual Meeting, National Harbor, Maryland, July 11-15 (2015). *Am J Pharm Educ.* 79 (5): Article S4. doi: 10.5688/ajpe795S4

Islam MA, Gunaseelan S, **Talukder R.**, Khan SA. Current Status of Dual Degrees and Graduate Certificate Programs in US Colleges/Schools of Pharmacy. *American Association of Colleges of Pharmacy* (AACP) Annual Meeting, Grapevine, TX, 2014

Islam MA, Gunaseelan S, **Talukder R.**, Khan SA. Public health, health promotion, and disease prevention courses in some Asian pharmacy programs. AACP Annual Meeting, Grapevine, TX, 2014

Talukder R., Islam MA, Khan SA, Sarker MS. Emerging Issue of Substance Abuse in Bangladesh and its Awareness in Pharmacy Academia. AACP Annual Meeting, Grapevine, TX, 2014

Islam MA, Gunaseelan S, **Talukder R.** Challenges towards a patient-oriented pharmacy program in Bangladesh: A proposed working model for the development of an effective PharmD program. Proceedings of the 6th Asian Association of Schools of Pharmacy Conference, Singapore. 2013.

Chen GG, **Talukder R.**, Islam MA. Specialty Tracks in US Pharmacy Schools. American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL, 2013.

Talukder, R. Connelly, K. Dürig, T. & Fassihi, R. Dissolution Rates Enhancement of Raloxifene HCl Using Binary PEG Mixtures. Poster *American Association of Pharmaceutical Scientists Annual Meeting*, Washington, DC, 2011

Talukder, R. Garman, T., & Dürig, T. Influence of soluble and insoluble excipients on drug release from hydroxypropyl methylcellulose tablets. Poster *American Association of Pharmaceutical Scientists Annual Meeting*, New Orleans, 2010

Talukder, R., Pilkington, M, & Shahrzad, M. Evaluation of the Effects of Ethanol on Dissolution of Various Types of Modified Release Dosage Forms. Poster. *American Association of Pharmaceutical Scientists Annual Meeting*, Los Angeles, 2009

Talukder, R., Miller, L., & Dürig, T. Asymmetric press-coated matrix system for near zero-order sustained drug release. Poster. *American Association of Pharmaceutical Scientists Annual Meeting*, Atlanta, 2008

Talukder, R., Reed, C., & Dürig, T. Solid State and Dissolution Rate Characterization of Poorly Soluble Drugs in Presence of a Hydrophilic Carrier. Poster. *American Association of Pharmaceutical Scientists Annual Meeting*, San Diego, 2007

Talukder, R., Wu, Y., Jamzad, S., & Fassihi, R. Drug solubility character and release from controlled release polymer based matrices: An analysis of front(s) movement on dissolution rate. Poster. *American Association of Pharmaceutical Scientists Annual Meeting*, San Diego, 2007

Talukder, R & Fassihi, R. Development of a Dual Coated (Rupturable) Matrix System for Colon Targeting. Poster. *American Association of Pharmaceutical Scientists Annual Meeting*, San Antonio, 2006

Talukder, R & Fassihi, R. Development of a Delivery System with Controlled Onset and Release Rate for Targeting Distal Intestine and Colon. Poster. *American Association of Pharmaceutical Scientists Annual Meeting*, Maryland, 2004

Talukder, R., Johnson, M., Turner, S., & Fassihi, R. Influence of Polyethylene Oxide Molecular Weight on Release Kinetics of a Class II Drug: 4-Androstene-3,17-dione. Poster. *American Association of Pharmaceutical Scientists Annual Meeting*, Utah, 2003.

Talukder, R & Fassihi, R., Development of Controlled Release Hydrophilic Matrix Tablets for Topical Colonic Delivery of 5-Aminosalicylic Acid. Poster. *American Association of Pharmaceutical Scientists Annual Meeting*, Toronto, 2002

Talukder, R & Fassihi, R., Development of a Gastroretentive Hollow Bead Delivery System. Poster. *American Association of Pharmaceutical Scientists Annual Meeting*, Toronto, 2002.

Talukder, R & Fassihi, R. Role of Lubrication Efficiency on Release Reproducibility from Dry Blend and Wet Granulated Low Drug Load Tablets Manufactured on a Rotary Press. Poster. *American Association of Pharmaceutical Scientists Annual Meeting*, Denver, 2001

Talukder, R., Johnson, B, & Fassihi, R. Determination of Dynamics of Hydration by Tracking Phase Transitions Within a swelling Matrix. Poster. *American Association of Pharmaceutical Scientists Annual Meeting*, New Orleans, 1999

Ahmed, S.U, **Talukder, R.**, Ali, S. & Rohera, B.D. Comparative Evaluation of Selective Tablet Properties of Dicalcium Phosphate and Microcrystalline Cellulose in Sustained Release

Formulation. Poster. *American Association of Pharmaceutical Scientists Fourth Annual Meeting*, Atlanta, GA, 1989

EDITORIAL SERVICES:

Editorial Board Member:
Journal of Pharma & Pharmaceutical Sciences
Verizona Publisher

AFFILIATIONS:

American Association of Colleges of Pharmacy (AACCP)
American Association of Pharmaceutical Scientists (AAPS)
Cherokee County Health Clinic, Jacksonville, TX (Volunteer Pharmacist)

PROFESSIONAL REVIEWER:

International Journal of Pharmaceutics
American Journal of Pharmaceutical Education
Journal of Pharmacy and Pharmacology
Journal of Bioequivalence and Bioavailability
Drug Development and Industrial Pharmacy
DJJ review service for Pharmacy Publications
Remington: The Science and Practice of Pharmacy, 22nd ed.
AAPS PharmSci Tech
AAPS abstract screening
AACCP abstract screener

NATIONAL SERVICE:

Item Writer
North American Pharmacist Licensure Examination (NAPLEX)

Field Reviewer for ACPE's CPE evaluation process
Accreditation Council for Pharmacy Education (ACPE)

Member, ACPE Site Visit Team
Accreditation Council for Pharmacy Education (ACPE)

COLLEGE & UNIVERSITY SERVICE:

2017 – 2020 Member, Admissions Committee (FCOP)

2014 – 2020	Member, Intellectual Property Committee (UT Tyler)
2015 - 2016	Member, Provost Search Committee
2018	Member, Workload Policy Development Task Force (UT Tyler)
2019	Member, Instructional Support Fee (ISF) Task Force (UT Tyler)
2012 – 2014	Member, Faculty Development and Promotion Council
2012 – 2014	Chair, Institutional Review Board
2007 – 2012	Member, Research and Scholarly Activity Committee
2009 – 2012	Member, Assessment Committee, College of Pharmacy
2009 – 2012	Member, Faculty Governance Committee, College of Pharmacy
2006 – 2009	Co-Chair, Resources Sub-Committee, College of Pharmacy
2008 – 2012	Faculty Co-advisor, Rho Chi Honor Society, College of Pharmacy,
2009 – 2010	Faculty advisor, NCPA, College of Pharmacy
2008 – 2009	Member, Intellectual Property Committee
2006 – 2008	Member, Faculty Development Committee

AWARDS:

2009: AABPS Research Achievement Award

2003: Travel Grants for presenting posters at AAPS
Texture Technologies Corp., NY. & Scolr Inc., WA

1999: Travel Grants for presenting posters at AAPS
Texture Technologies Corp., NY

1998-2000: Teaching Assistantship
Temple University School of Pharmacy

1990: Outstanding undergraduate research activities
St. John's University, NY.