

Curriculum vitae

DARSHANA SHAH, PH.D.

Marshall University • Joan C. Edwards School of Medicine 1600 Medical Center Drive •
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EDUCATION

- **Postdoctoral Research Training, Department of Pathology**, Marshall University, Joan C. Edwards School of Medicine (JCESOM), Huntington, WV, 1993-1995
- **Ph.D. in Biomedical Sciences**, West Virginia University, Morgantown, WV, 1993
- **M.S. in Microbiology**, University of Maryland, Baltimore, MD, 1987
- **M.Sc. in Microbiology**, Maharaja Sayajirao University, Baroda, India, 1982
- **B.Sc. in Microbiology**, Bombay University, Bombay, India, 1980

CURRENT APPOINTMENTS

- **Founding Editor-in-Chief, [Marshall Journal of Medicine | Marshall University](#)**, Joan C. Edwards School of Medicine (JCESOM), Huntington, WV, 2015-Present
- **Senior Associate Dean, Office for Faculty Advancement**, Marshall University, Joan C. Edwards School of Medicine (JCESOM), Huntington, WV, 2024-Present
- **Professor, Department of Pathology**, Marshall University, Joan C. Edwards School of Medicine (JCESOM) Huntington, WV, 2006-Present
- **Course Director**, Fundamental of Team Science (CTS-631), Writing and Peer Review Of Scientific Publication (CTS630), Marshall University . Appalachian Clinical & Translation Science Institute (ACTSI)-2019- Present
- **Graduate Faculty**, Marshall University, Joan C. Edwards School of Medicine (JCESOM), Huntington, WV, 2020-Present
- **Senior Advisor**, Mentor Training Program, WVCTSI, 2022- Present

PRIOR APPOINTMENTS

- **Faculty**, Harvard Macy Institute for Innovation in Health Care Education Program, Harvard Medical School, Boston, MA, 2005-2024
- **Learning Community Faculty Advisor**, Executive Leadership in Academic Medicine® (ELAM®), **ELAM** 2016-2022
- **Academic Section Chief, Department of Pathology**, Marshall University, Joan C. Edwards School of Medicine (JCESOM), Huntington, WV, 2006-2014
- **Founding Chair, Academy of Medical Educators**, Marshall University, Joan C. Edwards School of Medicine (JCESOM), Huntington, WV, 2004-2013
- **Assistant Dean, Professional Development & Medical Education**, Marshall University, Joan C. Edwards School of Medicine (JCESOM), Huntington, WV, 2005-2010
- **Course Director, Pathology Course 720/721, Department of Pathology**, Marshall University, Joan C. Edwards School of Medicine (JCESOM), Huntington, WV, 1998-2008
- **Associate Professor (Joint Appointment), Department of Family and Community Health**,

- Marshall University, Joan C. Edwards School of Medicine (JCESOM), Huntington, WV, 1998-2004
- **Graduate Faculty**, Marshall University, Joan C. Edwards School of Medicine (JCESOM), Huntington, WV, 1997-2005
 - **Postdoctoral Fellow (Clinical Instructor), Department of Pathology**, Marshall University, Joan C. Edwards School of Medicine (JCESOM), Huntington, WV, 1993-1995
 - **Graduate Assistant, Department of Microbiology**, Marshall University, Joan C. Edwards School of Medicine (JCESOM), Huntington, WV, 1989-1993
 - **Graduate Assistant, Department of Microbiology**, University of Maryland at Baltimore Dental School, Baltimore, MD, 1984-1987
 - **Research Associate, Department of Microbiology Research Center**, Hindustan Lever (Subsidiary of Lever Brothers), Bombay, India, 1982-1984

RESEARCH EXPERIENCE

- POST DOCTORAL RESEARCH, Marshall University, Joan C. Edwards School of Medicine (JCESOM)
Heavy Metal Toxicity and Iron Overload
- PH.D. DISSERTATION RESEARCH, West Virginia University
Production of Gliotoxin by Candida Albicans and Its Effect on Human Polymorphonuclear Leukocytes
- M.S. THESIS RESEARCH, University of Maryland
Quantization and Characterization of Bdellovibrios Recovered from Different Estuarine Habitats
- M.S. THESIS RESEARCH, M.S. University, Baroda India
Studies on Production and Properties of Fungal Proteases

IRB Approved Educational Research

- Evaluating the Effectiveness of an Assigned Mentoring Program for Junior Faculty in a Medical School, 2025
- Improving Faculty Retention at JCESOM, 2022
- Measuring Vitality Attributes of Faculty Leaders, 2018-2021
- Results-Based Accountability for “Diversity Initiative” at Marshall University, Joan C. Edwards School of Medicine (JCESOM), 2011-2015
- Practical Pathology Competencies Project for Undergraduate Medical Education (National Collaborative Project), 2012-2014
- Multidisciplinary Perceptions of the Efficacy of Physician-to-Physician Transition of Care: Current Practice and Changes in Perceptions Post-Policy Intervention, 2010-2013
- Residents of Teachers & Leaders (RATL): The Accountability Flexibility, and Usability of Self-Learning Modules in Various Teaching Institutions (Collaborative Project), 2009-2012

GRANTS

Title. West Virginia Clinical and Translational Science Institute: Improving Health through Partnerships and Transformative Research (WVCTSI).

Date: July 2022- 2027

Total Costs: \$20,000,000. PI; Sally Hodder; Gary Rankin, Associate Director; Pilot Program Core Director. Professional development Core -Senior Advisor Mentor Training Program 15% Effort Agency. National Institute of General Medical Services, 5U54GM104942-07

Status: Funded

Title: Establishment of Leonard Tow Award for JEC SOM Faculty & Students

Date: November 2013-2016

Total Award: \$6,000

Agency: Arnold P. Gold

Foundation Status: funded

Title: Gold Humanism Educational Summit: Focusing on Humanism in Patient Care and Healthcare

Education Date: November 2014

Total Award: \$1,750

Agency: Arnold P. Gold

Foundation Status: funded

Title: Gold Humanism Educational Summit: Focusing on Humanism in Patient Care and Healthcare

Education Date: November 2013

Total Award: \$4,000

Agency: Arnold P. Gold

Foundation Status: funded

Title: Establish the Chapter of the Gold Humanism Honor Society (GHHS) at Marshall University, Joan C. Edwards School of Medicine

Date: 2012

Total Award: \$2,000

Agency: the Arnold P. Gold

Foundation Status: funded, complete

Title: Promote Scholarship in Medical Education within School of Medicine

Faculty Total Award: \$5,000

Agency: The Huntington Foundation,

Inc Status: funded, complete

Title: Creating a Faculty Newsletter, PEN (Professional Enhancement Newsletter), for Faculty to Share Professional Accomplishments

Date: 2008

Total Award: \$5,000

Agency: The Huntington Foundation,

Inc. Status: funded, complete

Title: Offering Educational Grand Rounds to Medical School

Faculty Date: 2007

Total Award: \$2,500

Agency: Amgen Educational

Grant Status: funded, complete

Title: Creating the Joan C. Edwards School of Medicine Academy of Medical Educators

Date: 2005

Total Award: \$5,000

Agency: The Huntington Foundation,

Inc. Status: funded, complete

Title: Building a Community of Teachers as

Learners Date: 2004

Total Award: \$3,000
 Agency: INCO Group Grant
 Status: funded, complete
 Educational Grant: Co-PI (60%)

Title: An Innovative Educational Intervention for Training Tomorrow's Physicians for the Management of Cancer during Pre-clinical years
 Date: 2007
 Total Award: \$30,000
 Agency: C-Change Cancer Core Competency
 Initiative Status: funded, completed

TEACHING EXPERIENCE

- Marshall University, Joan C. Edwards School of Medicine (JCESOM), Principle of Disease MDC-750, 14-16 hours, 2008-present
- Marshall University, Joan C. Edwards School of Medicine (JCESOM), Disease and Therapeutics I-IV, 4-6 hours, 2008-present
- Marshall University, Joan C. Edwards School of Medicine (JCESOM), Elements of Medicine, 2 hours, 2020-Present
- Marshall University, Joan C. Edwards School of Medicine (JCESOM), PA program, Introduction to Microbiology and Immunology, 2020-present
- Marshall University, Joan C. Edwards School of Medicine (JCESOM), High School Pipeline Program Introduction to Career and Opportunities in Health Professions, 2018-present
- Marshall University, Joan C. Edwards School of Medicine (JCESOM), 10-12 hrs. CTS-630 Scientific Writing; 2016-present
- Marshall University, Joan C. Edwards School of Medicine (JCESOM), Team Science, 20-24hrs. CTS-630 Team Science ; 2016-present
- Marshall University, Joan C. Edwards School of Medicine (JCESOM), Academy of Medical Educators, 10-12 hours, 2006-2013
- Marshall University, Joan C. Edwards School of Medicine (JCESOM), Academic Medicine IDM-801, 2 weeks (30 hours), 2006-2011 (additional role: Course Director)
- Marshall University, Joan C. Edwards School of Medicine (JCESOM), Integrative Medicine Elective FCH, 6-8 hours, 1995-2002
- Marshall University, Joan C. Edwards School of Medicine (JCESOM), Pathology, 720 and 721, 26-28 hours, 1995-2008 (additional role: Course Director)
- Marshall University, Joan C. Edwards School of Medicine (JCESOM), Bacteriology Section of Medical Microbiology, 30-60 hours, 1994-1995
- West Virginia State College, Instructor Microbiology, 30 hours, 1991-1993

COURSES TAUGHT

- Team Science
- Scholarly Writing for Publication
- Academic Medicine
- Integrative Medicine
- Pathology
- Microbiology

COURSES DEVELOPED AND INTRODUCED

- Clinical Translation Science (CTS): CTS-630, Fundamental of Team Science
- CTS-631, Scholarly Writing for Publication, 2016
- Gold Humanism Educational Summit, a state-wide conference for health professions, 2014
- Teaching and Leadership Enhancement Training, for resident physicians at JCESOM, 2011
- Academic Medicine, an elective designed to teach JCESOM senior medical students the skills required as an effective educators in an academic medical center, 2006
- Joan C. Edwards School of Medicine (JCESOM), Academy of Medical Educators, a faculty development program designed to recognize and support outstanding JCESOM faculty, 2005

HONORS AND AWARDS

- Drs. Joseph B. and Omayma T. Touma Excellence in Diversity Lifetime Achievement Award for outstanding professional contributions to enhancing the practice of equality and diversity, August 2020
- Marshall University Women of Color Award for her dedication to increasing respect for women of color and promotion of multicultural understanding and gender equality at Marshall University. March 2020
- Master Educator Award, Marshall University, JCESOM, Huntington, WV, May 2005
- Selected by the 2005 JCESOM graduating class as the faculty member (the first basic science faculty to receive this honor) for the hooding of graduates at the Investiture Ceremony
- Nominated and selected as a finalist for the Reynolds Award for Outstanding Teaching at the University Level, August 2004 and 2005
- Outstanding Instructor of the Year, Class of 2006, August 2004
- Golden Apple Award from the American Medical Student Association, August 2004
- Outstanding Professor of the Year, Class of 2005, August 2003
- Outstanding Course Director, Class of 2001, August 1999
- Career Enhancement Award (CEA) presented by the West Virginia Chapter of the Association for Women in Science (AWIS), April 1998
- Sigma Xi Certificate of Excellence for Outstanding Student Research Paper. Award presented by the Allegheny Branch of the American Society for Microbiology (ASM), October 1988

SCHOLARLY CONTRIBUTIONS

Bibliography

- [Shah DT¹](#), [Williams VN](#), In Reply to Badgett and Ofei-Dodoo- Letters to the Editor. *Acad. Med.*: April 2019 - Volume 94 - Issue 4 - p 456
- [Shah DT¹](#), [Williams VN](#), [Thorndyke LE](#), [Marsh EE](#), [Sonnino RE](#), [Block SM](#), [Viggiano TR](#). Restoring Faculty Vitality in Academic Medicine When Burnout Threatens. *Acad Med.* Nov 21.2018
- Darshana Shah, Ph.D. At the “Heart” of HealthCare: Fostering Resilience and Healing Burnout. *Marshall Journal of Medicine*, Volume 3 Issue 1, 2017
- Darshana Shah, Ph.D. Transformational Teamwork: The Virtues and Values of Collaboration. *Marshall Journal of Medicine*, Volume 2 Issue 3, 2016
- Darshana Shah, Ph.D. Reflection, and Path Ahead. *Marshall Journal of Medicine*, Volume 2 Issue 4,

2016

- Darshana Shah, Ph.D. Serving the Mountain State, Appalachia, and Beyond. *Marshall Journal of Medicine*, Volume 1 Issue 1, 2015
- Shweihat, Yousef, MD, FCCP, Diplomat AABIP; Perry James III, DO, Shah, Darshana, Ph.D. Isolated Candida infection of the lung. *Respiratory Medicine Case Reports*, 2015.
- George Clements, BS, Rezwana Ahmed, MD, Larry Dial, MD, and Darshana Shah, Ph.D. A Rare Instance of Hospital Acquired Pneumonia Caused by Coinfection with Raoultella Planticola. *Consultant360*, Volume 55- Issue5, May 2015.
- Hardman, W.E., Miller, B.L., Shah, D.T. Student Perceptions of Nutrition Education at Marshall University, Joan C. Edwards School of Medicine: A Resource Challenged Institution. *Journal of Biomedical Education*, Volume 2015.
- Margret S. Magid, MD, Darshana T. Shah, Ph.D., Carolyn L. Cambor, MD, Richard M. Conran, PhD., MD, JD, FCAP, Amy Y. Lin, MD, Ellinor I.B. Peerschke, Ph.D., Melissa S. Pessin, MD Ph.D., Ilene B. Harris Ph.D. Consensus Guidelines for Practical Competencies in Anatomic Pathology and Laboratory Medicine for the Undifferentiated Graduating Medical Student. *Academic Pathology*, 2015.
- Shah, D.T. Group for Research in Pathology Education, Leading the Way in Pathology Education: Bridging Basic and Clinical Sciences Strategies & Scholarship. *Medical Science Educator*, Volume 25, Issue 3 pp 337-339, September 2015.
- Shah, D.T., and B.A. Carpenter. "Department of Pathology: Clinical case presentation in mock-malpractice trial based format," *Journal of International Medical Science Educators*, January 2009.
- Shah, D.T., S. Jackman, J. Engle, and B. Larsen. "Effect of Gliotoxin on Human Polymorphonuclear Neutrophils." *Infectious Diseases in Obstetrics and Gynecology*. 6:168-175, 1998.
- Shah, D.T., E.M. Walker, M.M. Jones, P.K. Singh, and B. Larsen. "Inhibitory effects of seven organosulphur compounds on clinical isolates of Candida species in vitro." *Annals of Clinical and Laboratory Science*. 27:282- 286, 1997.
- H.N. Williams, A.J. Schoeffield, D. Guether, J. Kelley, D.T. Shah, and W.A. Falkler, Jr. "Recovery of Bdellovibrios from submerged surface and other aquatic habitats." *Microbial Eco*. 29:39-48, 1995.
- Shah, D.T., D.D. Glover, and B. Larsen: "In situ mycotoxin production by Candida albicans in women with vaginitis." *Gynecol. Obstet. Invest*. 39:67-69, 1995.
- Shah, D.T. and B. Larsen: "Identity of a Candida albicans and its production in vaginal secretions." *Medical Science Research*, 1992.
- Shah, D.T. and B. Larsen. "Clinical isolates of yeast produce a gliotoxin-like substance." *Mycopathologia*, 116:203-208, 1991.
- Shah, D.T., R. Stanek, and B. Larsen. "Discovery of gliotoxin-like compounds in culture filtrates of clinical isolates of Candida Species." *Int. J. Feto-maternal Med*. 4:13-61, 1991.
- Andrew J. Schoelfield, William N. Falkler, Jr., (published under the name) Darshana Desai, and Henry N. Williams. "Serogrouping of Halophilic Bdellovibrios by Immunodiffusion and Immunoelectrophoresis." *Applied and Environmental Microbiology*, 1990.

Books and Peer-reviewed Chapters in Books

- Fornari, A, Shah DT. (2024). Flourishing in the Roles of a Medical Science Educator Navigator, a book chapter in *Medical Science Educator Handbook: A Guide to Flourishing* (under publication)
- Shah, DT., Allie, JL and Carter S. (2024) **Medical Science Educator Faculty Promotion, book chapter in** *Medical Science Educator Handbook : A Guide to Flourishing* (under publication)
- Fornari, A, Shah DT. (Eds.).(2022) *Mentoring In Health Professions Education: Evidence-Informed Strategies Across the Continuum*, IAMSE Manuals. Springer, Cham
- Shah Darshana & Steve Fiore, Building an Effective Mentoring Team using Team Science Competencies. *The international science of medical educations mentoring manual Mentoring In Health Professions Education: Evidence-Informed Strategies*, Springer, 2021

- Shah Darshana & Niemann Michael (2018). *Faculty Development Built on the Pillars of Partnership and Collaboration* In M. P. Flanagan (Ed.), *The regional medical campus: A resource for faculty staff and learners*. Ocala, FL: Atlantic Publishing.
- Educators' Stories of Creating Enduring Change: Enhancing the Professional Culture of Academic Health Science Centers, Radcliffe Publications, D.T. Shah and E. Armstrong, 2:31-32, 2013.
- Recent Research Development in Antimicrobial Agents and Chemotherapy. Dithiocarbamates: Novel Antimicrobial Agents for Nosocomial Pathogens. D.T. Shah, E.M. Walker, and B. Larsen. B.285-293, 1996

Invited and Published Blog:

- [Harvard Macy Institute - Blog - Deploy team science principles to mend "silos" in academic medicine](#)
- [BLOG: Institutional change in the era of team science – Creating a Culture of Collaboration at GWU \(C3@GWU\)](#)

Peer-Reviewed Published Abstracts

- Shah, D.T., B.A. Carpenter, and Bakshi Mitali. "Attitude and views of second-year medical students towards pathology following pathology laboratory rotation." JIAMSE, 2005.
- Shah, D.T., and B.A. Carpenter. "Integrating basic science and clinical medicine using a 'Health Fair Format' for case-based teaching." JIAMSE, 2004.
- Shah, D.T. and E.M. Walker. "Basic mechanism of human gut immunity." *Ann. Clin. Lab. Sci.* 27:436, 1997.
- Walker, E.M. and D.T. Shah. "Hereditary hemochromatosis." *Ann. Clin. Lab. Sci.* 27:438, 1997.
- Walker, E.M., Jr., D.T. Shah, B. Larsen, and D.J. Cannon. "Drug effects on the immune system." *Ann. Clin. Lab. Sci.* 26:94, 1996.
- Shah, D.T., E.M. Walker, Jr., D.J. Cannon, and B. Larsen. "An update on the etiology, diagnosis, and treatment of systemic lupus erythematosus." *Ann. Clin. Lab. Sci.* 26:374, 1996.
- Walker, E.M., Jr., D.T. Shah, B. Larsen. "The effect of magnetic fields on microbial growth." *Ann. Clin. Lab. Sci.* 26:374-5, 1996.
- Shah, D.T., E.M. Walker, D.J. Cannon, and H. Quittner. "Antibiotic and Anti-tumor Toxicity in the Elderly." *Ann. Clin. Lab. Sci.* 25:103, 1995.
- Walker, E.M., D.T. Shah, D.J. Cannon, M.M. Jones, and B. Larsen. "Comparative iron mobilizing actions of selected chelating agents in iron-loaded mice." *Ann. Clin. Lab. Sci.* 24:478, 1995.
- Walker, E.M., D.T. Shah, and D.J. Cannon. "Free radical protection mechanism and aging." *Ann. Clin. Lab. Sci.* 25:94, 1995.
- Walker, E.M., D.T. Shah, and D.J. Cannon. "Metals and aging: The effects of toxic metals on calcium metabolism." *Ann. Clin. Lab. Sci.* 25:95, 1995.
- Cannon, D. J., E.M. Walker, and D.T. Shah. "Increased drug toxicity in aging." *Ann. Clin. Lab. Sci.* 25:104, 1995.
- Shah, D.T., E.M. Walker, D.J. Cannon, and B. Larsen "Immunostimulatory effect of selected substituted dithiocarbonate on human peripheral blood lymphocytes." *Ann. Clin. Lab. Sci.* 24:456, 1994.

Peer Reviewed Abstracts- Medical Education

- Rezwan Ahmed, MD, George Clements, BS, Larry Dial, MD, Darshana Shah, PhD. A Rare Instance of Hospital Acquired Pneumonia Caused by Co-Infection with *Raoultella planticola*. Poster presentation at American Medical Association (AMA) Conference, 2014.
- Kari Geronilla MD1, Amber Makani MD1, Lisa Costello MD1, Rebecca Hayes MD2, Adam VanHorn MSIV2, Sean Loudin MD2, Norman Ferrari MD1, Darshana Shah PhD2. West Virginia University School of

Medicine¹, Marshall University, Joan. C. Edwards School of Medicine². Reaching New Heights Together: How GHHS Chapters Can Maximize the Value of Common Purpose. Poster presentation at Gold Humanism Honor Society (GHHS) Biennial Conference, Atlanta, GA, 2014.

- Shah, D.T. and B. Dzwonik. Exploring the use of structured handouts to create an active-learning environment in pathology. Poster presentation at Group for Research in Pathology Education (GRPE) Winter Meeting, January 2014.
- Dougherty, T. and D.T. Shah. Use of cognitive chunking to enhance pathology learning. Platform presentation at Group for Research in Pathology Education (GRPE) Winter Meeting, January 2014.
- Blair K., R. Edwards, and D.T. Shah. GWIMS Inaugural Leadership Forum: An Exploratory Study. Poster presentation at Group for Women in Medicine and Science (GWIMS) Research Forum, Association of American Medical Colleges (AAMC) Annual Meeting, San Francisco, CA, November 2012.
- Shah, D.T., Joan Viksjo, Cindy Warren, Shari Clarke, and Robert Nerhood. Applying outcome logic model to address diversity initiatives at Marshall University, Joan C. Edwards School of Medicine. Poster presentation at Association of American Medical Colleges (AAMC)-Harvard Scholars Innovation Session, November 2011.
- Ostwani, Waseem, Bob Miller, and D.T. Shah. "Pilot pediatric electrocardiogram curriculum for first-year pediatric residents." *Generalists in Medical Education*, 2009.
- Nitardy, William, Bob Miller, and D.T. Shah. "Enhancing educational effectiveness of bedside rounds." *Generalists in Medical Education*, 2009.
- Obeidat, Shadi, Nancy Munn, Fadi Alkhankan, and D.T. Shah. "Evaluation of teaching methods and CXR interpretation skill of senior medical students." *Generalists in Medical Education*, 2009.
- Darrat, Yousef, Darshana Shah, Nessren Benhamed, Todd Gress, and Mehdiar El-Hamdani. "Do erroneous reports of computer-interpreted electrocardiogram influence analysis by medical trainees?" *Generalists in Medical Education*, 2009.
- Shah, D.T., E. Armstrong, L. Spatig, D. Irby, "A Qualitative Application of Kirkpatrick's Model for Evaluating Academy of Medical Educators." Abstract presented at Harvard Macy Association of American Medical Colleges (AAMC), 2009.
- Shah, D.T., B.A. Carpenter, and Bakshi M., "Attitudes and views of second-year medical students towards pathology following pathology laboratory rotation." Poster presentation at the International Association of Medical Science Educators (IAMSE), July 2005.
- Shah, D.T., and Dan Cowell. "Limited resources bring innovation and creativity: Academy concept used to build learners community." Abstract presented at AAMC faculty affair meeting, August 2005.
- Shah, D. T., and B.A. Carpenter. "Mock malpractice trial format tests students' clinical case presentation skills." Poster presented at International Association of Medical Educators meeting in New Orleans, LA, July 2004.
- Shah, D. T., and B.A. Carpenter. "Integrating basic science and clinical medicine using a 'Health Fair Format' for case-based teaching." Platform presentation at the meeting of International Association of Medical Educators, New Orleans, LA, July 2004.

Peer Reviewed Abstracts- Biomedical Science

- Shah, D.T., S. Jackman, and B. Larsen. "Identity and effect of a *Candida albicans* metabolite on human polymorphonuclear neutrophils." Abstract presented at the Annual Meeting of the Infectious Disease Society of America (IDSA), Anaheim, CA, October 1992.
- Shah, D.T., R. Stanek, and B. Larsen. "Gliotoxin-like compounds produced by clinical isolates of *Candida* species." Abstracts of the 90th Annual Meeting of the American Society for Microbiology (ASM), Anaheim, CA, May 1990.
- (Published under the name) Desai, D.R. and H. Williams. "Quantitative recovery of *Bdellovibrios* from aquatic habitats." Abstracts of the 86th Annual Meeting of the American Society for Microbiology (ASM), Washington, DC, March 1986.

- (Published under the name) Desai, D.R. and H. Williams. "Effect of anaerobiosis on formation in *Bdellovibrios*." Abstracts of the 85th Annual Meeting of the American Society for Microbiology (ASM), Las Vegas, NV, March 1985.
- Pandey, N.K. and (published under the name) D.R. Desai. "Characterization of sporulation deficient mutants of *Bacillus thuringiensis*." Paper presented at International Congress of Genetics, New Delhi, India, December 1983.
- (Published under the name) Desai, D.R., and N.N. Rao. "Studies on production and properties of fungal proteases." Abstracts of the Meeting of the Society of Biological Chemists of India, Baroda, India, 1982.

Plenary or Invited Keynote Presentations

- "Mastering the art of Mentorship facing and fixing Challenges" WV University School of Medicine, February 2025
- Panelist, Pre-conference workshop: "Solution and strategies for New Faculty Affairs and Development Leaders in academic medicine", GFA Professional Development Conference, July 2024
- "Pathways into medical education: The role of faculty development communities and mentoring programs in building a career as healthcare educator" Kathryn N Huggett, **Darshana Shah**, Aviad Haramati, Peter GM de Jong, Ardi Findyartini, The Association for Medical Education in Europe (AMEE), Basel, Switzerland, August 2024
- Panelist, AAMC Webinar, "Medical Education Three Years after COVID: Faculty and Staff Engagement", February 2024
- "Revitalizing the Faculty: Nurturing Passion, Resilience, and Innovation in Academia" Department of Psychiatry & Behavioral Sciences at McGovern Medical School at the University of Texas Health Science Center at Houston, September 2023
- "Strategies to promote Faculty Vitality in Academic Medicine" American Association of Medical Colleges (AAMC) Group on Faculty Affairs. September 2018
- "Mentors and Sponsors: What's the difference? Why do we need both?" The National Association of Medical Minority Educators, Inc. (NAMME), Annual Conference, September 2016
- "Pearls for successful publication in peer-reviewed journal" WVU, Eastern Division Research Symposium and Faculty Development Days, April 2016
- "Nurturing Faculty Vitality in Changing Times." Regional Medical Campus Annual Meeting, March 2016
- "Wired for Success in Academic Medicine." American Association of Medical Colleges (AAMC), Mid-Career Woman Faculty Professional Development Seminar, December 2011/December 2012
- "Leveraging Diversity and Inclusion to Transform our Institutions." American Association of Medical Colleges (AAMC), Group on Faculty Affairs (GFA)/Group on Diversity and Inclusion (GDI), Professional Development Conference, August 2012

Additional National/ International Presentations and Workshops

- "Crafting Compelling Leadership Narratives: Mastering the STAR Method" Meg Keely, Geeta Menon, **Darshana Shah**, Sarah Wood. Workshop presentation at Harvard Macy, Leading Innovation in Healthcare and Education, June 2024
- Mentoring Certificate program M-REACH at International Association of Medical Science Educators Annual Conference, June 2024
- "Mentor Training: An Evaluation of Outcomes and Effectiveness of a Structured Mentor Certification Program" Alice Fornari and **Darshana Shah** Small group presentation at The Association for Medical Education in Europe (AMEE), Basel, Switzerland, August 2024

- Mentoring Certificate program M-REACH at International Association of Medical Science Educators Annual Conference, June 2023
- 'Mentoring in Team Science' "International Science of Team Science Virtual Conference, June 2021
- 'Team Science 101' International Science of Team Science Virtual Conference, June 2020
- Fundamental of Team Science, University of Nebraska Medical Center, May 2020
- "An individualized approach to support academic publishing". An International Association of Medical Education of Europe (AMEE). Vienna, Austria. 2019
- "The Science of Teams: Developing and Transforming Effective Teams" An International Association of Medical Education of Europe (AMEE). Basel, Switzerland. 2018
- "Strategies to Promote Faculty Vitality in Academic Medicine", WebEx sponsored by the Association of American College of Medicine (AAMC). 2018.
- Building effective teams through the Science of Team Science. Leading Innovation in Healthcare and Education, Harvard Macy Institute Boston. MA., June 2018
- "Great Teams Don't Happen by Accident: Building an Effective Team Requires Science as Much as Art." Darshana Shah, Ph.D., Medicine Luanne E. Thorndyke, M.D., F.A.C.P., R. Kevin Grigsby, MSW, DSW. , Post-conference workshop, Group on Faculty Affairs Annual Meeting, July 2016
- "Map to Success: Navigating the Path to Scholarly Publication." A Group for Research in Pathology Education (GRIPE), January 2016
- "Mentoring to Make a Difference." Group for Research in Pathology Education (GRIPE), January 2015
- "Career Mapping for Mid-Career Faculty." The session offered at the AAMX Mid-Career Women Faculty Professional Development Seminar, December 2011/December 2012
- "The Outcomes Logic Model: An Approach for Program Planning and Evaluation." Workshop presented at the International Medical Science Educators Meeting, June 2011
- "Effective Course Director." Workshop presented to Undergraduate Medical Education Directors as part of the APC Annual Meeting, July 2011
- "Creating a Career in Academic Medicine." Faculty facilitator for the Organization of Student Representatives/Group for Women in Medicine and Science, American Association of Medical Colleges (AAMC) Annual Conference, November 2011
- "Leadership for Pathology Course Directors." Workshop presentation at the Group for Research in Pathology Education (GRIPE), Annual Meeting, December 2011
- "JCESOM Academy of Medical Educators; Model Based on the Principle of Positive Deviance." Session presented at the Group for Research in Pathology Education (GRIPE) Winter Meeting, December 2011
- "Learning Style: Application for Educational Planning." Academy of Medical Educators (AME), 2011
- "Evaluation: A Challenging Component of Teaching." Talk presented to faculty at Marshall University, Joan C. Edwards School of Medicine (JCESOM), 2011
- "Academies Collaborative Comes to the SGEA: A Discussion of the Challenges That Must Be Met to Sustain a Successful Academy of Medical Educators." Workshop presented at the American Association of Medical Colleges (AAMC), Southern Group for Educational Affairs (SGEA), 2010
- "Motivating Your Faculty: Carrots over Sticks." Workshop presented at the Group on Faculty Affairs (GFA) Annual Meeting, 2010
- "How to Keep the Fire Burning Without Being Consumed by Flames." Workshop presented at the Group on Faculty Affairs (GFA) Annual Meeting, 2009
- "The Art and Science of Teaching." Workshop presented at the Early Career Women Faculty Development Annual Conference, July 2009
- "Disruptive Innovation in Pathology and Medical Education." Session presented with Sebastian R. Alston, M.D. at the Group for Research in Pathology Education (GRIPE) Winter Meeting, December 2009
- "Best Ideas in Pathology Panel." Group for Research in Pathology Education (GRIPE) Winter Meeting, December 2009
- "Career Mapping for Junior Faculty." The session offered at the Early Career Women Faculty Development

Annual Conference, July 2008-2009

- “Educational Leadership.” Association of Pathology Chairs (APC), July 2007
- “Nuts and Bolts for New and Old Course Directors.” Workshop presented at Association of Pathology Chairs (APC) Annual Meeting, July 2007
- “Medical Educational Research 101.” Seminar presented at the Association of Pathology Chairs (APC), July 2007
- “How to Get More Done in the Academic World.” Group for Research in Pathology Education (GRIPE), 2006
- “Tips and Tools for Effective Teaching in Pathology.” Group for Research in Pathology Education (GRIPE) Conference, January 2005

Additional Local/Regional Presentations and Workshops

- “The Importance of Mentoring & Maintaining Effective Communication”, West Virginia Clinical Translation Science (WVCTSI), February 6, 2025
- “Effective Communication Skills for Achieving Research Success and Independence”, West Virginia Clinical Translation Science (WVCTSI), February 20th 2025 .
- “Promoting Professional Development” Mentee Development Program, West Virginia Clinical Translation Science (WVCTSI), February 13, 2025
- “Achieving Independence” Mentee Development Program, West Virginia Clinical Translation Science (WVCTSI), February 27, 2025
- “Understanding the Collaborative and Team Science Environment for Preparing to Be a Mentor” West Virginia Clinical Translation Science (WVCTSI), October 31st, 2024
- “Maintaining Effective Communication for Collaboration & Fostering Independence of Mentee” West Virginia Clinical Translation Science (WVCTSI), October 24th, 2024
- “Developing and Enhancing Your Skills as a Research Mentor” West Virginia Clinical Translation Science (WVCTSI) , October 10th, 2024.
- “Unlocking the Power of Team Science in Mentoring: Building Stronger Mentor-Mentee Collaborations”, Charleston area Medical Center , December, 2023
- “Overview of Teaching Adult Learners “Grand round presentation, Department of Obstetrics and Gynecology at Marshall University, Joan C. Edwards School of Medicine, April 2023
- “Mentoring 101” Grand round presentation, Department of Internal Medicine at Marshall University, Joan C. Edwards School of Medicine March 2023
- The Makes of a Mentee: How to get the most out of your mentoring relationship, West Virginia Health Science Research and Graduate Education, January 2021
- Purpose of Academic Portfolio and Strategies to build one. Marshall University, Joan C. Edwards School of Medicine (JCESOM) 2020
- “Team Science: Facilitating Collaboration and Research” WVCTSI, Annual Meeting, Morgantown, WV.
- “Team Science Understanding and Improving Team Dynamics” WVCTSI, November 2017
- Academic Orientation: Getting to know your new academic home, Darshana Shah, Ph.D., Presented at Marshall University, Joan C. Edwards School of Medicine (JCESOM) 2016
- “Teaching the Adult Learner Across the Generational Landscape” Darshana Shah, Ph.D., Faculty development session at Marshall University, Joan C. Edwards School of Medicine (JCESOM). September 2016
- Effective Teaching Strategies for active learning, Darshana Shah, Ph.D., Faculty development session at Marshall University, Joan C. Edwards School of Medicine (JCESOM). September 2016
- Finding Opportunity to publish in teaching and education, Darshana Shah, Ph.D., Workshop, at Marshall University, Joan C. Edwards School of Medicine (JCESOM) September 2016
- “Healing within avoiding physician’s burnout” Darshana Shah, Ph.D., Presented at the Department of Cardiology, Joan C. Edwards School of Medicine (JCESOM), September 2016.

- How to Navigate Research Enterprise at JCESOM, Presented at the Department of Neurology, Joan C. Edwards School of Medicine (JCESOM), 2015.
- “Maximize Your Learning Potential.” Seminar given to biomedical science graduate students, Joan C. Edwards School of Medicine (JCESOM), 2010
- “Understanding Your Learner.” Faculty workshop offered at Marshall University, Joan C. Edwards School of Medicine (JCESOM), 2010
- “Teachers' Navigation Tools for Learning (NFL).” Workshop presented to junior faculty, 2010
- “Juggling 101: Managing Your Time in Academia.” Workshop offered at Marshall University, Joan C. Edwards School of Medicine (JCESOM), 2010
- “Building a Safer Healthcare System: An Educator’s Perspective.” Seminar presented to Executive MBA students at Marshall University, 2009
- “Manage Your Energy, Not Your Time.” Grand round presented to OB/GYN Residents, 2009
- “Academy Concept: One Size Does Not Fit All.” Workshop presented at the Southern Group for Educational Affairs (SGEA) Conference, 2007
- “Humanism in Medicine.” Workshop presented as part of the RHEP/AHEC/MSGEC Interdisciplinary Faculty Development Conference, Charleston, WV, September 2006
- How to Conduct Small Groups to Enhance Teaching & Learning.” Talk presented to faculty, Marshall University, Joan C. Edwards School of Medicine (JCESOM), 2008
- “Stress Management without Stressing Out.” Talk presented to faculty, Marshall University, Joan C. Edwards School of Medicine (JCESOM), 2007
- “Attitude Is Everything.” Talk presented to Charleston Community, 2007
- “How to Study Pathology.” Talk presented to second-year medical students, Marshall University, Joan C. Edwards School of Medicine (JCESOM), 2001-2007
- “We are Teaching but Are They Learning? Quick Assessment Techniques for Your Classroom.” Academy of Medical Educators (AME), 2006
- “Food as Medicine.” Seminar offered at Division of Preventative and Integrative Medicine, July 2005
- “How to Stay Focused on Your Goal.” Talk presented to first-year medical students, Marshall University, Joan C. Edwards School of Medicine (JCESOM), 2005
- “Study Skills/Learning Tactics for Lifelong Learning.” Talk presented to first-year medical students, Marshall University, Joan C. Edwards School of Medicine (JCESOM), 2005
- “The Scholarship of Teaching: Discovery, Integration, and Application in Our Classrooms.” Marshall University Faculty Workshop, November 2004.
- “Learning, Teaching, and Serving West Virginia.” West Virginia Rural Health Education Partnerships & West Virginia Area Health Education Centers; Faculty Development Conference, October

EDITORIAL SERVICE

Editorial Board

- Marshall Journal of Medicine, Editor-in-Chief, 2015-Present
- Journal of Medical Science Educators, Associate Editor, 2013-Present
- Medical Education Online, 2015-Present
- Medicine, Academic Editor, 2014-Present

Reviewer

- Academic Medicine 2017-Present
- American Association of Medical Colleges (AAMC), Group on Educational Affairs (GFA), Research in Medical Education (RIME), 2014-Present
- Med ED Portal, 2007-Present
- Southern Group on Education Affairs (SGEA), 2007-2010

- Journal of International Medical Science Educators, 2004-2009
- The Annals of Pharmacotherapy, 1998-2001

Newsletters

- Founding Editor for the Professional Enhancement Newsletter (PEN): Keeping you Connected, Marshall University, JCESOM Faculty Newsletter, 2008-2015
- Editor for PATHWAY: Leading the Way in Pathology Education, a national newsletter, 2011-2013

PROFESSIONAL SERVICE

- Advisory Board Member –BB & T Center for Leadership, Marshall University, Lewis College of Business. October 2020
- Board Member, [International Science of Team Science Board](#), 2018-2020
- **Chair**, American Association of Medical Colleges (AAMC), Group on Faculty Affairs (GFA), Membership and Nominating sub-committee, 2016-2018
- **Chair**, American Association of Medical Colleges (AAMC), Group on Faculty Affairs (GFA), Steering Committee, 2015-2016
- **Chair-Elect**, American Association of Medical Colleges (AAMC), Group on Faculty Affairs (GFA), Steering Committee, 2014-2015
- **Elected Member at Large**, American Association of Medical Colleges (AAMC), Group on Faculty Affairs (GFA), Steering Committee, 2013-2017
- **Member**, American Association of Medical Colleges (AAMC), Group on Faculty Affairs (GFA), Communications Committee, 2014-2015
- **Member** Executive Leadership for Women in Academic Medicine (ELAM), Admission Committee, 2012-Present
- **Member**, Group on Women in Medicine and Science (GWIMS), Communication Committee, 2012-2013
- **Member**, Academy Collaborative (AC), Conference Planning Committee, 2011-Present
- **Member**, International Association of Medical Science Educators (IAMSE), Conference Site Selection Committee, 2011-Present
- **Member**, Group for Research in Pathology Education (GRIPE), Executive Committee, 2010-Present
- **Member**, American Association of Medical Colleges (AAMC), Group on Faculty Affairs (GFA), Program Subcommittee, 2010-Present
- **President**, Group for Research in Pathology Education (GRIPE), 2013-2015
- **President-Elect**, Group for Research in Pathology Education (GRIPE), 2011-2013
- **Chair**, American Association of Medical Colleges (AAMC), Group on Faculty Affairs (GFA), Annual Conference Program Subcommittee, 2013-2014
- **Member**, American Association of Medical Colleges (AAMC), Group on Faculty Affairs (GFA), Annual Conference Program Subcommittee, 2013-2014
- **Member**, Academy Collaborative (AC), Inaugural Steering Committee, 2011-2014
- **Member**, Group on Faculty Affairs (GFA)/Group on Diversity Affairs (GDA), Conference Planning Committee, 2009-2012
- **Member**, Group for Research in Pathology Education (GRIPE), Program Planning Committee, 2009-2010
- **Member**, International Association of Medical Science Educators (IAMSE), Web Audio Seminar Committee, 2006-2010
- **Elected Member at Large, Pathology Course Director Section**, Association of Pathology Chairs (APC), 2007-2009
- **Member**, International Association of Medical Science Educators (IAMSE), Program Planning Committee, 2008

External Reviewer for the Academy of Medical Educators

- University of Colorado School of Medicine, 2012-2015
- Medical College of Georgia, Health Science, 2011-2014
- Scholarship in Teaching Awards, Case Western Reserve Medical School, 2007-2014
- Louisiana State University Health Sciences Center, Academy for the Advancement of Educational Scholarship, 2007-2013

External Reviewer for the Promotion and Tenure Dossier

- Indiana University School of Medicine, 2025
- University of Chicago, 2021
- Harvard Medical School, 2019
- Virginia Commonwealth University and School of Medicine, 2017
- MGH Institute of Health Profession, 2016
- The Ohio State University College of Medicine, Department of Medicine, 2015
- The University of Exeter Medical School, United Kingdom, 2014
- Icahn School of Medicine at Mount Sinai, 2013
- The Pennsylvania State University College of Medicine, Department of Pathology, 2012
- Thomas Jefferson University, Sidney Kimmel Medical College, Department of Pathology, 2010
- The University of Illinois College of Medicine, 2010

UNIVERSITY SERVICE

- **Member**, Shared Governance Committee, Marshall University 2022-2024
- **Member**, Faculty Senate Library Committee, Marshall University, 2015-2020
- **Chair**, Graduation Speaker Committee, Marshall University, Joan C. Edwards School of Medicine (JCESOM) 2012-Present
- **Member**, LCME Taskforce, 2013-Present
- **Data Steward**, Marshall University, The Banner Data Standards Committee (Bug-D), 2013-2015
- **Chair**, Search Committee, Director of Diversity, Marshall University, Joan C. Edwards School of Medicine (JCESOM), 2012
- **Chair**, LCME IS-16 Task Force, Marshall University, Joan C. Edwards School of Medicine (JCESOM), 2011- 2012
- **Member**, Executive Committee, Admission, Marshall University, Joan C. Edwards School of Medicine (JCESOM), 2010-2013
- **Member**, Admissions Committee, Marshall University, Joan C. Edwards School of Medicine (JCESOM), 2001- 2013
- **Vice Chair**, Promotion, and Tenure Ad-Hoc Committee, Marshall University, Joan C. Edwards School of Medicine (JCESOM), 2009-2012
- **Member**, Student Evaluation Review Committee, Marshall University, Joan C. Edwards School of Medicine (JCESOM), 2007-2011
- **Member**, The Da Vinci Roundtable Series, Marshall University—assigned by the President’s Office, 2008-2010
- **Member**, Faculty Development Committee, Marshall University, 2005-2009
- **Member**, Institutional Strategic Vision Education Committee, Marshall University, Joan C. Edwards School of Medicine (JCESOM) 2002-2009

- **Member**, Executive Committee for the Curriculum Reform, Marshall University, Joan C. Edwards School of Medicine (JCESOM) 2002-2008
- **Member**, Curriculum Committee, Marshall University, Joan C. Edwards School of Medicine (JCESOM), 2000- 2008
- **Member**, MSII Subcommittee, Marshall University, Joan C. Edwards School of Medicine (JCESOM), 2000-2008
- **Member**, Personnel Advisory Committee, Marshall University, Joan C. Edwards School of Medicine (JCESOM), 1996-1999
- **Member**, Institutional Strategic Vision Research Committee, Marshall University, Joan C. Edwards School of Medicine (JCESOM), 1996
- **Member**, Faculty Senate, Executive Committee, Representative for Marshall University, Joan C. Edwards School of Medicine (JCESOM), 1999-2001
- **Faculty Senate**, Marshall University, Joan C. Edwards School of Medicine (JCESOM), 1997-2001

PROFESSIONAL AFFILIATIONS

- **Member**, The Association for Medical Education in Europe (AMEE), 2028-Present
- **Member**, International Association of Medical Science Educators (IAMSE), 2004-Present
- **Member**, World Association of Medical Editors, (WAME), 2018-Present
- **Member**, Group on Faculty Affairs (GFA), American Association of Medical Colleges (AAMC), 2004-Present
- **Member**, Group for Research in Pathology Education (GRYPE), 2000 – Present
- **Member**, International Network for the Science of Team Science 2017- Present

PROFESSIONAL DEVELOPMENT

- Certified Mentor training facilitator; Center for the Improvement of Mentored Experience in Research (CIMER), 2024
- A Systems Approach to Assessment in Health Professions Education, Harvard Macy, Boston, MA, 2015
- AAMC, Department & Associate Dean, Executive Leadership Seminar, Scottsdale, Phoenix, AZ, 2015
- Executive Leadership in Academic Medicine (ELAM) Fellow, 2009-2010
- Program for Educators in Health Professions, Harvard Macy, Boston, MA, 2007
- Leading Innovations in Health Care & Education, Harvard Macy, Boston, MA, 2004

Community Service

- Founding Board Member, [JRPD.org](https://www.jrpd.org) foundation, Empower under-served and under-represented communities by funding targeted programs that provide access to education, healthcare, and economic stability, 2024-Present
- Putnam County Science Fair Judge- 2019
- Bollywood Night Fundraising committee to support local Charleston area charities - 2016-2019