

Devasmita Chakraverty

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Research Interests: BIPOC; DEI; Doctoral Education; Gender; Higher education; Impostor phenomenon; Medical education; STEM education

Academic Appointments

- 2022- present **Associate Professor (with tenure)**
Indian Institute of Management Ahmedabad (RJM Centre for Educational Innovation)
- 2018-2022 **Assistant Professor (tenured since 2021)**
Indian Institute of Management Ahmedabad (RJM Centre for Educational Innovation)
- 2016-2018 **Assistant Professor (tenure-track) (Science Education)**
Washington State University (College of Education, Dept. of Teaching and Learning)
- 2014-2016 **Postdoctoral Researcher (Biology Education)**
IPN - Leibniz-Institute for Science and Mathematics Education, Germany
- 2013-2014 **Postdoctoral Researcher (Chemistry Education)**
University of Nebraska—Lincoln

Professional Preparation

- 2013 **Ph.D. (Science Education)**
University of Virginia, Dept. of Curriculum, Instruction and Special Education
Dissertation: *An examination of how women and underrepresented minorities experience barriers in biomedical research and medical programs*
- 2008 **M.P.H. (Toxicology)**
University of Washington, Dept. of Environmental and Occupational Health Sciences
Thesis: *An evaluation of potential risk factors for cancer and non-cancer health effects associated with heavy metal exposure*
- 2005 **M.Sc. (Environmental Sciences)**
University of Calcutta
Thesis: *Estimating benzene in the ambient air at traffic intersections and indoors using gas chromatography* (West Bengal Pollution Control Board, Kolkata)
- 2003 **B.Sc. (Zoology Honors)**
University of Calcutta

Industry Experience

- 2008-2009 **Toxicologist**
Veritox®, Inc. (formerly GlobalTox, Inc.), Redmond, WA (USA)

Peer-Reviewed Publications

Research papers published in peer-reviewed journals: **26**

Google Scholar: Citations: **823**, h-index: **14**, i10-index: **16**

* indicates corresponding author(s)

1. Chang, S.*, Lee, H.Y., Anderson, C.B., Kewis, K., **Chakraverty, D.**, & Yates, M.S. (2022). Intervening on impostor phenomenon: prospective evaluation of a workshop for health science students using a mixed-method design. *BMC Medical Education*, 22(802). ([Link](#))
2. **Chakraverty, D.*** (2022). Faculty experiences of the impostor phenomenon in STEM fields. *CBE-Life Sciences Education*, 21(4). ([Link](#))
3. **Chakraverty, D.*** (2022). Impostor phenomenon among Hispanic/Latino early career researchers in STEM fields. *Journal of Latinos and Education*, 1-19. ([Link](#))
4. **Chakraverty, D.*** (2022). Impostor phenomenon and identity-based microaggression among Hispanic/Latinx individuals in Science, Technology, Engineering, and Mathematics: A qualitative exploration. *Violence and Gender*, 9(3), 135-141. ([Link](#))
5. **Chakraverty, D.***, Cavazos, J.E. & Jeffe, D.B. (2022) Exploring reasons for MD-PhD trainees' experience of impostor phenomenon. *BMC Medical Education*, 22(333). ([Link](#))
6. **Chakraverty, D.*** (2022). A cultural impostor? Native American experiences of impostor phenomenon in STEM. *CBE-Life Sciences Education*, 21(1), ar15. ([Link](#))
7. Mason, H.R.C.*, Ata, A., Nguyen, M., Nakae, S., **Chakraverty, D.**, Eggan, B., Martinez, S., & Jeffe, D.B. (2022). First-generation and continuing-generation college graduates' application, acceptance, and matriculation to U.S. medical schools: A national cohort study. *Medical Education Online*, 27:1, 2010291. ([Link](#))
8. **Chakraverty, D.*** & Rishi, M. (2022). Impostor phenomenon and discipline-specific experiences of violence in Science, Technology, Engineering, and Mathematics. *Violence and Gender*, 9(1), 22-29. ([Link](#))
9. **Chakraverty, D.*** (2021). Impostor phenomenon among engineering education researchers: An exploratory study. *International Journal of Doctoral Studies*, 16, 757-776. ([Link](#))
10. Lee, H.Y.* , Anderson, C.B., Yates, M.S., Chang, S., & **Chakraverty, D.*** (2020). Insights into the complexity of the impostor phenomenon among trainees and professionals in STEM and medicine. *Current Psychology*, 1-12. ([Link](#))
11. **Chakraverty, D.***, Jeffe, D.B., Dabney, K. P., & Tai, R.H. (2020). Exploring reasons that U.S. MD-PhD students enter and leave their dual-degree programs. *International Journal of Doctoral Studies*, 15, 461-483. PMID: PMC8018685 ([Link](#))
12. **Chakraverty, D.*** (2020). The impostor phenomenon among Black doctoral and postdoctoral scholars in STEM. *International Journal of Doctoral Studies*, 15, 433-460. ([Link](#))

13. **Chakraverty, D.*** (2020). The impostor phenomenon among postdoctoral trainees in STEM: A US-based mixed-methods study. *International Journal of Doctoral Studies*, 15, 329-352. ([Link](#))
14. Dabney, K. P.*, Good, K. B., Scott, M. R., Johnson, T. N., **Chakraverty, D.**, Milteer, B., & Gray, A. (2020). Preservice elementary teachers and science instruction: Barriers and supports. *Science Educator*, 27(2), 92-101. ([Link](#))
15. **Chakraverty, D.*** (2020). PhD student experiences with the impostor phenomenon in STEM. *International Journal of Doctoral Studies*, 15, 159-179. ([Link](#))
16. **Chakraverty, D.*** (2019). Impostor phenomenon in STEM: Occurrence, attribution, and identity. *Studies in Graduate and Postdoctoral Education*, 10(1), 2-20. ([Link](#))
17. **Chakraverty, D.***, Jeffe, D.B., & Tai, R.H. (2018). Transition experiences in MD-PhD programs. *CBE- Life Sciences Education*, 17(3), ar41. PMID: 30040532 PMCID: PMC6234812 ([Link](#))
18. **Chakraverty, D.***, Newcomer, S. N., Puzio, K., & Tai, R. H. (2018). It runs in the family: The role of family and extended social networks in developing early science interest. *Bulletin of Science, Technology & Society*, 38(3-4), 27-38. ([Link](#))
19. Dabney, K. P.*, **Chakraverty, D.**, Hutton, A. C., Warner, K. A., & Tai, R. H. (2017). The bachelor's to Ph.D. transition: Factors influencing Ph.D. completion among women in chemistry and physics. *Bulletin of Science, Technology & Society*, 36(4), 203-210. ([Link](#))
20. Gantner, S., Großschedl, J., **Chakraverty, D.**, & Harms, U.* (2016). Assessing what prospective laboratory assistants in Biochemistry and Cell Biology know: Development and validation of the test instrument PROKLAS. *Empirical Research in Vocational Education and Training*, 8(1), 3. ([Link](#))
21. Stains, M.*, Pilarz, M., & **Chakraverty, D.** (2015). Short and long-term impacts of the Cottrell Scholars Collaborative New Faculty Workshop. *Journal of Chemical Education*, 92(9), 1466-1476. ([Link](#))
22. Lund, T.J., Pilarz, M., Velasco, J.B., **Chakraverty, D.**, Rosploch, K., Undersander, M., & Stains, M.* (2015). The Best of Both Worlds: Building on the COPUS and RTOP Observation Protocols to Easily and Reliably Measure Various Levels of Reformed Instructional Practices. *CBE- Life Sciences Education*, 14(2), ar18 ([Link](#))
23. Baker, L.A., **Chakraverty, D.**, Columbus, L., Feig, A.L.*, Jenks, W.S., Pilarz, M., Stains, M.*, Waterman, R.*, & Wesemann, J.L. (2014). Cottrell Scholars Collaborative New Faculty Workshop: Professional development for new chemistry faculty. *Journal of Chemical Education*, 91(11), 1874-1881. ([Link](#))

24. Kong, X. *, **Chakraverty, D.**, Jeffe, D.B., Andriole, D.A., Wathington, H., & Tai, R.H. (2013). How do interaction experiences influence doctoral students' academic pursuits in biomedical research? *Bulletin of Science, Technology & Society*, 33(3-4), 76-84. ([Link](#))
25. **Chakraverty, D.** *, & Tai, R. H. (2013). Parental occupation inspiring science interest: Perspectives from physical scientists. *Bulletin of Science, Technology & Society*, 33(1-2), 44-52. ([Link](#))
26. Dabney, K. P. *, **Chakraverty, D.**, & Tai, R. H. (2012). The association of family influence and initial interest in science. *Science Education*, 97(3), 395-409. ([Link](#))

Book Chapters

1. **Chakraverty, D.** (Expected Spring 2024) *Impostor Phenomenon among Individuals in Medicine*, in *The Impostor Phenomenon: Psychological Theory, Research, and Intervention*, Cokley, K. (ed), American Psychological Association.
2. **Chakraverty, D.** (Expected Spring 2024) *Impostor Phenomenon among Individuals in STEM*, in *The Impostor Phenomenon: Psychological Theory, Research, and Intervention*, Cokley, K. (ed), American Psychological Association.
3. **Chakraverty, D.**, Lévesque M., QI J., Meki Kombe C., & O'Carroll C. (2022) *Capacity Building through Mobility and its Challenges*, in *Towards a Global Core Value System in Doctoral Education*, Nerad, M., Bogle, D., Kohl, U., O'Carroll, C., Peters, C., Scholz, B. (eds), University College London Press. pp.133-169. ([Link](#))
 - Featured in *Nature* **613**, 414 (2023) ([Link](#))

Funded Grants

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| 2021 | Academic decision-making among graduate students in relation to the social construction of “failing” (Principal investigator)
Seed Grant, Indian Institute of Management Ahmedabad
Status: Active |
| 2020 | Adaptation, validation, and reliability assessment of the Clance Impostor Phenomenon Scale in Bengali (Principal investigator)
Seed Grant, Indian Institute of Management Ahmedabad
Status: Closed due to COVID-19 |
| 2019 | Beyond Access - Academic Experiences and Perspectives of Medical School Matriculates: A Mixed-Methods Pilot Study (Co-investigator)
Northeast Group on Educational Affairs Collaborative Research Grant
Status: Completed |
| 2017 | Impostor Phenomenon in Medicine and Biomedical Sciences (Link) (Principal investigator)
Washington State University New Faculty Seed Grant (\$30,000; Acceptance rate: 18.4%)
Status: Completed |

- 2017 Impostor Phenomenon in STEM (Principal investigator)
Washington State University Faculty Research Funding Award (\$6,500)
Status: Completed
- 2015 Catalyzing Active Learning Strategies in Evolution ([Link](#)) (Principal investigator)
Federal Ministry of Education and Research (BMBF; Germany)
PerLe funding for innovative teaching (€5,000)
Status: Completed

Academic Honors and Awards

- 2021 National Association for Research in Science Teaching International Committee Scholarship; to present at the 2021 Virtual National Association for Research in Science Teaching Conference. (\$100)
- 2019 Early Career Researcher Travel Scholarship to present at “Revisiting Forces and Forms of Doctoral Education Worldwide,” Hannover, Germany [Awarded by the Bremen International Graduate School of Social Sciences, the Volkswagen Foundation, the Center for Innovation and Research in Graduate Education (USA), and the University of Bremen].
- 2018 Travel Award for presenting at the 2018 Conference on Understanding Interventions that Broaden Participation in Science Careers in Baltimore, MD. (\$495)
- 2017 Jhumki Basu Scholar Award. Awarded by the Equity and Ethics Committee to present at the 2017 National Association for Research in Science Teaching Conference. (\$700; 15 out of 47 applicants were awarded; 32%)
- 2016 German Academic Exchange Service (DAAD); to present at the 2016 annual American Educational Research Association conference in Washington, D.C. (€1,978)
- 2016 National Association for Research in Science Teaching International Committee Scholarship; to present at the 2016 National Association for Research in Science Teaching Conference in Baltimore, MD. (\$300)
- 2016 Teaching Certificate of Excellence for the project “Catalyzing Active Learning Strategies in Evolution” and for innovative, future-oriented teaching at the Christian-Albrechts-University in Kiel, Germany.
- 2015 ESERA Early Career Researcher Travel Award: Awarded by the European Science Education Research Association to visit the Center for Innovation and Research in Graduate Education, University of Washington, Seattle. (April-May, 2015) (€1,000)
- 2014 Finalist (Top 3): Doctoral Education across the Disciplines American Educational Research Association SIG Outstanding Dissertation Award

Invited Research Presentations (Impostor Phenomenon)

- 2023 South Texas Medical Scientist Training Program at the University of Texas Health Science Center at San Antonio, TX, USA
- 2023 University of Michigan, Department of Psychology, Ann Arbor, MI, USA
- 2023 DST – Centre for Policy Research, Indian Institute of Science, Bangalore, India
- 2022 The Association of Graduate Students Employed at McGill (AGSEM), McGill University, Montreal, Canada
- 2022 Plenary speaker: South Regional American Physician Scientists Association (APSA) Meeting: Supporting the Underrepresented MD/PhD (virtual)
- 2021 Panelist: Girls Talk Math summer camp (organized jointly by the University of North Carolina and the University of Maryland, USA) ([Link](#))
- 2021 Keynote speaker: The NextGen Symposium (a sub-meeting of the Protein Aggregation Science Research Conference, Federation of American Societies for Experimental Biology)
- 2021 Keynote speaker: Gender and Diversity Day 2021 (How unconscious habits influence my career). Organized by GRANAT- The Graduate School of Natural Sciences, Leibniz University Hannover, Germany
- 2020 Women in Science Portland, Portland, OR, USA ([Link](#))
- 2020 DST – Centre for Policy Research, Indian Institute of Science, Bangalore, India ([Link](#))
- 2019 Princeton University Graduate Society of Women Engineers, Princeton, NJ, USA
- 2019 South Texas Medical Scientist Training Program at the University of Texas Health Science Center at San Antonio, TX, USA
- 2019 University of Rochester Women in Biological Sciences, Rochester, NY, USA
- 2018 BITS Pilani Dubai Campus, Dubai, UAE
- 2018 Division of Cancer Epidemiology & Genetics, National Cancer Institute, Rockville, MD, USA
- 2018 Microsoft Corporation, Redmond, WA, USA
- 2018 The Scientista Symposium: Innovation in STEM- Scientistas Advancing the Field, New York, NY, USA
- 2017 Elson S. Floyd College of Medicine Group on Women in Medicine and Science,

Washington State University, Spokane, WA, USA

Invited Research Presentations (Others)

- 2016 STEM Transformation Institute, Florida International University, Miami, FL, USA
- 2015 Homi Bhabha Centre for Science Education, TIFR, Mumbai, India
- 2013 DBER Speaker Series, University of Nebraska, Lincoln, NE, USA

Media and Outreach

Research

- Deutschlandfunk Kultur: “Das nagende Gefühl, ein Hochstapler zu sein” Podcast (from 18:38) (February 23, 2023) ([Link](#))
- “Thriving in the face of rejections, failures, and the impostor syndrome in academia”- Organized by the PhD students at Indian Institute of Management Calcutta ([Link](#))
- Blog post, “Impostor syndrome: When your accomplishments make you feel like a fraud” in Supervising PhDs (April 7, 2020) ([Link](#))
- Podcast (Published by the IIMA): Impostor Syndrome (March 1, 2019) ([Link](#))
- “Researcher explores why some people in STEM and medicine fields feel like impostors”- WSU Health Sciences Spokane Extra (May 30, 2018) ([Link](#))

Teaching

- Ideas from IIMA, “Managing self-limiting beliefs in education and training: Questioning established structures.” (February, 2021) ([Link](#))
- “A ‘CV of Failures’ penned by IIMA grads”- The Times of India (November 23, 2020) ([Link](#))
- “Principals from Arunachal Pradesh hone their talents at IIM-A”- The Times of India (February 19, 2019) ([Link](#))

Peer-Reviewed Conference Presentations

* *Presentations cancelled or postponed due to COVID-19*

1. **Chakraverty, D.** (April, 2023). *A qualitative exploration of Latinx students’ impostor experiences in science.* Annual National Association for Research in Science Teaching Meeting, Chicago, IL.
2. **Chakraverty, D.** (April, 2023). *A qualitative analysis of impostor phenomenon among discipline-based education researchers.* Annual National Association for Research in Science Teaching Meeting, Chicago, IL.
3. **Chakraverty, D.** (April, 2023). *Workplace violence and impostor phenomenon among physicians.* Annual American Educational Research Association Meeting, Chicago, IL.
4. **Chakraverty, D.** (April, 2023). *Impostor phenomenon among Hispanic/Latino early career researchers in STEM fields.* Annual American Educational Research Association Meeting, Chicago, IL.

5. **Chakraverty, D.** (January, 2023). *Impostor phenomenon among biology education researchers: An exploratory study*. Annual 31st Conference of the South African Association for Research in Mathematics, Science and Technology Education, Bloemfontein, Free State, South Africa.
6. **Chakraverty, D.** (July, 2022). *Experiencing impostor phenomenon and the decision to stay or leave for underrepresented racial/ethnic minorities in STEM: A US-based study*. Network Gender & STEM Conference 2022. Universität der Bundeswehr München, Germany.
7. **Chakraverty, D.** (April, 2022). *Faculty experiences of the impostor phenomenon in STEM*. Annual American Educational Research Association Meeting, San Diego, CA.
8. **Chakraverty, D.** (March, 2022). *Micro-aggression and impostor phenomenon among racial/ethnic minorities in STEM*. Annual National Association for Research in Science Teaching Meeting, Vancouver, B.C., Canada.
9. **Chakraverty, D.** (March, 2022). *A Cultural Impostor? Native American Experiences of the Impostor Phenomenon in STEM*. Annual National Association for Research in Science Teaching Meeting, Vancouver, B.C., Canada.
10. **Chakraverty, D.** (July, 2021). *Gender and STEM: Linkages between workplace harassment and the impostor phenomenon in academia*. 5th Gender & STEM Biennial Conference. The University of Sydney, Australia.
11. Sharma, T., **Chakraverty, D.**, Miceli, M., Ruiz, C., Lee, R., Keller, R., Noel, M., Stella, A., & Eggan, B., & Mason, H.R. (April, 2021). *Applying to medical school: The experiences of first generation and continuing generation medical school matriculates*. 2021 Association of American Medical Colleges Virtual Group on Educational Affairs Joint Regional Conference.
12. **Chakraverty, D.** (April, 2021). *Dual-degree training and the impostor phenomenon*. Annual American Educational Research Association Meeting.
13. **Chakraverty, D.** (April, 2021). *Connections between negative academic experiences and the impostor phenomenon in STEM*. Annual National Association for Research in Science Teaching Meeting.
14. Lee, H.Y., Yates, M., **Chakraverty, D.**, Anderson, C., & Chang, S. (December, 2020). *Research into Action to Diversify the Biomedical and Behavioral Research Workforce: Effects of a summer research program designed to address trainees' IP feelings and improve their growth mindset*. 12th Conference on Understanding Interventions that Broaden Participation in Science Careers.
15. Chang, S., **Chakraverty, D.**, Anderson, C., Lee, H.Y., & Yates, M. (December, 2020). *Research into Action to Diversify the Biomedical and Behavioral Research Workforce: Combating Impostor Phenomenon (IP): A Preliminary Qualitative Evaluation of a Workshop for Diverse Summer Research Students*. 12th Conference on Understanding Interventions that Broaden Participation in Science Careers.

16. *Dabney, K. P., Good, K. B., Scott, M. R., Johnson, T. N., **Chakraverty, D.**, Milteer, B. & Gray, A. (April, 2020). *Elementary Teacher Preparation and Science Identity Development and Instruction*. 2020 Annual Society for Information Technology and Teacher Education. New Orleans, LA. [Published in *Proceedings of the 2020 Society for Information Technology & Teacher Education International Conference*, pp. 1388-1394. Association for the Advancement of Computing in Education (AACE)]. ([Link](#))
17. ***Chakraverty, D.** (April, 2020). *Mindset and the Impostor Phenomenon: Comparing Trainee and Faculty Experiences in STEM*. Annual American Educational Research Association Meeting, San Francisco, CA.
18. ***Chakraverty, D.** (April, 2020). *Racial attributes of the impostor phenomenon*. Annual American Educational Research Association Meeting, San Francisco, CA.
19. *Sharma, T., Mason, H.R., Miceli, M., Ruiz, C., **Chakraverty, D.**, Lee, R., Keller, R., Noel, M., Stella, A., & Eggen, B. (April, 2020). *The path to medical school: Experiences of Asian American medical school matriculates*. 2020 Association of American Medical Colleges Northeast Group on Educational Affairs (NEGEA) Regional Meeting, Burlington, VT.
20. *Miceli, M., Sharma, T., **Chakraverty, D.**, Ruiz, C., Lee, R., Keller, R., Noel, M., Stella, A., Eggen, B., & Mason, H.R. (April, 2020). *The path to medical school: Experiences of first generation and continuing generation medical school matriculates*. 2020 Association of American Medical Colleges Northeast Group on Educational Affairs (NEGEA) Regional Meeting, Burlington, VT.
21. ***Chakraverty, D.** (March, 2020). Sexism, hostile work environment, and the impostor phenomenon. Annual National Association for Research in Science Teaching Meeting, Portland, OR.
22. *Mason, H.R., Miceli, M., Sharma, T., **Chakraverty, D.**, Ruiz, C., Lee, R., Keller, R., Antonikowski, A., Stella, A., Eggen, B., & Whippl, K. (March, 2020). *The Pre-Med Experiences of 1st Gen College Grads in Medical School and their Continuing Gen peers*. 2020 Association of American Medical Colleges GSA-CiM-OSR Professional Development Conference. Chicago, IL.
23. Levesque, M., **Chakraverty, D.**, Qi, J., & O'Carroll, C. (September, 2019). *Capacity building in the era of globalization*. Forces and Forms of Doctoral Education, Hanover, Germany.
24. **Chakraverty, D.** & Jeffe, D.B. (April, 2019). *How Open-Ended Survey Questions Can Aid in Rigorous Qualitative Research Design*. Annual American Educational Research Association Meeting, Toronto, Canada.
25. **Chakraverty, D.** (March, 2019). *The Double Penalty: Minority Women's Experiences of the Impostor Phenomenon*. Annual National Association for Research in Science Teaching Conference, Baltimore, MD.

26. Lee, H.Y., Anderson, C., Trachtenberg, J., Yates, M., Chang, S., & **Chakraverty, D.** (March, 2019). *Impostor Types, Age, and Other Insights Into the Complexity of Impostor Phenomenon*. 11th Conference on Understanding Interventions that Broaden Participation in Science Careers, Baltimore, MD.
27. Jeffe, D.B., **Chakraverty, D.**, & Andriole, D.A. (November, 2018). *Predictors of Faculty Appointment among Underrepresented Racial/Ethnic Minorities in Medicine: A National Study*. Association of American Medical Colleges Annual Meeting, Austin, TX.
28. **Chakraverty, D.**, Dabney, K.P., Jeffe, D.B., & Tai, R.H. (April, 2018). *Pursuing a PhD in Biomedical Science: Reasons and Challenges*. Annual American Educational Research Association Meeting, New York, NY.
29. **Chakraverty, D.** (March, 2018). *Impostor Phenomenon among graduate students in STEM*. Annual National Association for Research in Science Teaching Conference, Atlanta, GA.
30. **Chakraverty, D.**, Jeffe, D.B., & Tai, R.H. (March, 2018). *The role of prior research experience and other related experiences in medical school entry*. Annual National Association for Research in Science Teaching Conference, Atlanta, GA.
31. **Chakraverty, D.** & Jeffe, D.B. (March, 2018). *How graduate school climate perpetuates the impostor phenomenon in STEM*. 10th Conference on Understanding Interventions that Broaden Participation in Science Careers, Baltimore, MD.
32. **Chakraverty, D.**, Jeffe, D.B., & Tai, R.H. (November, 2017). *The role of initial interest, selection factors, and prior preparatory experience in medical school enrollment*. Association of American Medical Colleges Annual Meeting, Boston, MA.
33. **Chakraverty, D.**, Jeffe, D.B., & Tai, R.H. (November, 2017). *Switching Phases, Switching Degrees: Examining MD-PhD dropout*. Association of American Medical Colleges Annual Meeting, Boston, MA.
34. **Chakraverty, D.**, Jeffe, D.B., & Tai, R.H. (November, 2017). *Phase Transitioning in the MD-PhD Programs*. Association of American Medical Colleges Annual Meeting, Boston, MA.
35. **Chakraverty, D.**, Jeffe, D.B., & Tai, R.H. (April, 2017). *Pre-enrollment Experiences Influencing Medical School Entry and Retention: A Qualitative Study*. Annual American Educational Research Association Meeting, San Antonio, TX.
36. **Chakraverty, D.**, Jeffe, D.B., & Tai, R.H. (April, 2017). *Factors Contributing to MD-PhD Program Attrition: A Qualitative Case Study*. Annual American Educational Research Association Meeting, San Antonio, TX.
37. Dabney, K.P., Hutton, A.C., **Chakraverty, D.**, & Tai, R.H. (April, 2017). *Physics Doctoral Retention and Graduation: Gender and Pre-Doctoral Factors*. Annual American Educational Research Association Meeting, San Antonio, TX.

38. **Chakraverty, D.**, Jeffe, D.B., & Tai, R.H. (April, 2017). *Pre-doctoral Factors Influencing BMS-PhD Entry and Retention: A Qualitative Study*. Annual National Association for Research in Science Teaching Conference, San Antonio, TX.
39. **Chakraverty, D.** (February, 2017). *Examining the Impostor Phenomenon among Asian Students in STEM Programs*. 13th Annual International Globalization, Diversity, and Education Conference, Airway Heights, WA.
40. **Chakraverty, D.**, Fiedler, D., & Harms, U. (September, 2016). *Instructional Support for Learning Concepts in Evolutionary Theory with Visualizations*. Conference of European Researchers in Didactics of Biology (ERIDOB), Karlstad, Sweden.
41. **Chakraverty, D.**, Jeffe, D.B., Andriole, D.A., Wathington, H., & Tai, R.H. (April, 2016). *What We Talk When We Talk About Gender*. Annual National Association for Research in Science Teaching Conference, Baltimore, MD.
42. **Chakraverty, D.**, Gantner, S., Großschedl, J., & Harms, U. (April, 2016). *Measuring Professional Knowledge of Laboratory Assistants in Germany: Test Instrument Development and Validation in Biochemistry/Cell Biology*. Annual National Association for Research in Science Teaching Conference, Baltimore, MD.
43. **Chakraverty, D.**, Andriole, D.A., Jeffe, D.B., Wathington, H., & Tai, R.H. (April, 2016). *Factors Affecting Persistence in Biomedical Research: A Racial/Ethnic Comparison of Barriers in the PhD Programs*. Annual American Educational Research Association Meeting, Washington, D.C.
44. **Chakraverty, D.**, Jeffe, D.B., Andriole, D.A., Wathington, H., & Tai, R.H. (April, 2016). *Examining Transition Barriers in the American MD/PhD Programs: Perspectives Across Different Racial/Ethnic Groups*. Annual American Educational Research Association Meeting, Washington, D.C.
45. **Chakraverty, D.**, Tai, R.H., Jeffe, D.B., Andriole, D.A., & Wathington, H. (April, 2016). *A Racial/Ethnic Comparison of Personal and Program Barriers across American Medical Schools*. Annual American Educational Research Association Meeting, Washington, D.C.
46. Shukla, K.D., & **Chakraverty, D.** (August, 2015). *Academic Engagement and Mathematics Interest in Authoritative Classrooms*. European Science Education Research Association Conference, Helsinki, Finland. [Published in *Proceedings of the 2015 European Science Education Research Association (ESERA)*, Part 17 Strand 17 Science in the secondary school, 2846.] ([Link](#))
47. **Chakraverty, D.**, Jeffe, D.B., Andriole, D.A., Wathington, H., & Tai, R.H. (April, 2015). *Supports and Barriers: Voices from Black Females across the Biomedical Research Pipeline*. Annual American Educational Research Association Meeting, Chicago, IL.
48. Shukla, K.D., & **Chakraverty, D.** (April, 2015). *Parental Educational Level, Learning Approaches and Student Achievement: A Comparative Mediation Path Analysis between US and India*. Annual American Educational Research Association Meeting, Chicago, IL.

49. **Chakraverty, D.**, & Shukla, K.D. (April, 2015). *The Study Habits of Engineering Undergraduate Students in India and the USA: A Comparative Qualitative Analysis*. Annual National Association for Research in Science Teaching Conference, Chicago, IL.
50. Stains, M., Pilarz, M., **Chakraverty, D.**, Waterman, R., Feig, A., & Wesemann, J.L. (March, 2015). *Long-term impacts of the Cottrell Scholars Collaborative New Faculty Workshop*. 249th American Chemical Society National Meeting, Denver, CO.
51. Shukla, K., & **Chakraverty, D.** (March, 2015). *Parental Education, Learning Approaches and Achievement: Comparative Mediation Analysis between the US, India, and China*. Annual Meeting of the Comparative International Education Society, Washington, D.C.
52. **Chakraverty, D.**, Jeffe, D.B., Andriole, D.A., Wathington, H., & Tai, R.H. (November, 2014). *Supports and Barriers: Voices from Black Females across the Biomedical Research Pipeline*. Association of American Medical Colleges Annual Meeting, Chicago, IL.
53. **Chakraverty, D.**, Jeffe, D.B., Andriole, D.A., Wathington, H., & Tai, R.H. (November, 2014). *Mentoring Barriers for Women in Medicine and Biomedical Research: A Qualitative Exploratory Analysis*. Association of American Medical Colleges Annual Meeting, Chicago, IL.
54. **Chakraverty, D.**, Jeffe, D.B., Andriole, D.A., Wathington, H., & Tai, R.H. (November, 2014). *Examining Barriers for Underrepresented Racial/Ethnic Minorities in Biomedical Research and Medical Programs*. Association of American Medical Colleges Annual Meeting, Chicago, IL.
55. **Chakraverty, D.**, Jeffe, D.B., Andriole, D.A., Wathington, H., & Tai, R.H. (November, 2014). *Examining Gender-role Barriers for Women in Biomedical Research and Medical Programs*. Association of American Medical Colleges Annual Meeting, Chicago, IL.
56. Pilarz, M., **Chakraverty, D.**, Lund, T.J., Velasco, J.B., & Stains, M. (August, 2014). *Impact of the Cottrell Scholars Collaborative New Faculty Workshop program on instructional practices and teaching beliefs*. American Chemical Society National Meeting, Symposium on Chemistry Education Research: Implications for Practice, San Francisco, CA.
57. Pilarz, M., **Chakraverty, D.**, & Stains, M. (August, 2014). *Teaching profiles of chemistry assistant professors: Factors influencing their awareness and adoption of evidence-based instructional practices*. American Chemical Society National Meeting, Symposium on Chemistry Education Research, San Francisco, CA.
58. Lund, T.J., **Chakraverty, D.**, Pilarz, M., Velasco, J.B., & Stains, M. (August, 2014). *Influencing faculty instructional strategies: The effect of an on-site, semester-long faculty development workshop on classroom practices*. American Chemical Society National Meeting, Symposium on Chemistry Education Research: Implications for Practice, San Francisco, CA.
59. Wesemann, J.L., Feig, A., Waterman, R., Pilarz, M., **Chakraverty, D.**, & Stains, M. (August, 2014). *Getting off to an informed start: Insights from the Cottrell Scholars Collaborative New Faculty Workshop*. Biennial Conference on Chemical Education, Grand Rapids, MI.

60. DeChenne, S.E., **Chakraverty, D.**, & Stains, M. (July, 2014). *Relationships between DBER and Science Instruction: Perceptions from Stakeholders*. Annual Meeting of the Society for the Advancement of Biology Education Research, Twin Cities, MN.
61. **Chakraverty, D.**, Andriole, D.A., Jeffe, D.B., Wathington, H., & Tai, R.H. (April, 2014). *Examining Gender-role Barriers for Women in Biomedical Research and Medical Programs*. Annual American Educational Research Association Meeting, Philadelphia, PA. ([Link](#))
62. **Chakraverty, D.**, Jeffe, D.B., Andriole, D.A., Wathington, H., & Tai, R.H. (April, 2014). *Perspectives of Female Biomedical-Science Faculty about the Transition from Student to Independent Researcher*. Annual American Educational Research Association Meeting, Philadelphia, PA. ([Link](#))
63. Kong, X., **Chakraverty, D.**, Andriole, D.A., Jeffe, D.B., Wathington, H., & Tai, R.H. (April, 2014). *Interaction Influences on Doctoral Students' Academic Pursuits in Biomedical Research: An Exploratory Qualitative Study*. Annual American Educational Research Association Meeting, Philadelphia, PA. ([Link](#))
64. **Chakraverty, D.**, Andriole, D.A., Jeffe, D.B., Wathington, H., & Tai, R.H. (March, 2014). *Examining Barriers for Underrepresented Racial/Ethnic Minorities in Biomedical Research and Medical Programs*. Annual National Association for Research in Science Teaching Conference, Pittsburgh, PA.
65. Shukla, K., & **Chakraverty, D.** (March, 2014). *Relations between Parents' Educational level and Student Achievement: A Comparative Study between US and India using PISA 2009 Dataset*. Annual Curry Research Conference, University of Virginia, Charlottesville, VA.
66. **Chakraverty, D.**, & Tai, R. H. (April, 2013). *Parental Interests Inspiring Physical Scientists' Interest in Science: A Qualitative Study*. Annual American Educational Research Association Meeting, San Francisco, CA. ([Link](#))
67. Hall, M.T., **Chakraverty, D.**, Jeffe, D.B., Andriole, D.A., Wathington, H., Tai, R.H. (April, 2013). *Faculty and peer mentoring of MD-PhD students: Implications for physician-scientist workforce diversity*. Annual American Educational Research Association Meeting, San Francisco, CA. ([Link](#))
68. **Chakraverty, D.**, Jeffe, D.B., Andriole, D.A., Wathington, H., Tai, R.H. (April, 2013). *Reported Barriers to Academic Success for Hispanic MSTP Physician Scientists: An Exploratory Qualitative Study*. Annual National Association for Research in Science Teaching Conference, San Juan, PR.
69. **Chakraverty, D.**, & Tai, R. H. (April, 2013). *A Qualitative Examination of the Components of Family Encouragement Associated with Science Interest*. Annual National Association for Research in Science Teaching Conference, San Juan, PR.
70. Hall, M.T., **Chakraverty, D.**, Wragg, S., Jeffe, D.B., Andriole, D.A., Wathington, H., Tai, R.H. (May, 2012). *Mentoring beyond the present: Understanding interventions with implications for*

physician-scientist workforce diversity. 5th Understanding Interventions Conference, Baltimore, MD.

71. Dabney, K. P., **Chakraverty, D.**, Almarode, J. T., & Tai, R. H. (April, 2012). *The Association of Parental Influence on Early Interest in Science*. Annual American Educational Research Association Meeting, Vancouver, B.C., Canada. ([Link](#))
72. **Chakraverty, D.**, & Tai, R. H. (April, 2012). *It Runs in the Family: Association of Parental Occupation and Physical Scientists' Science Interest*. Annual American Educational Research Association Meeting, Vancouver, B.C., Canada. ([Link](#))
73. **Chakraverty, D.**, & Tai, R. H. (March, 2012). *The Association of Parental Hobbies and Male Physicists' Interest in Science*. Annual National Association for Research in Science Teaching Conference, Indianapolis, IN.
74. Younglove, L.R., **Chakraverty, D.**, Scherer, A.C., Krogstad, F., Tsuchiya, A., Faustman, E.M. (September, 2008). *Domoic acid risk assessment: Neurobehavioral implications for fetuses exposed in utero and neonates exposed via breast milk*. Annual Pacific Northwest Association of Toxicologists, Corvallis, OR.

Teaching Experience

Instructor: Indian Institute of Management Ahmedabad

(One credit is equivalent to 20 sessions; each session is 75-minutes long)

PhD courses for management students

2023	Qualitative Research Methods in Education (1 credit elective)
2019- present	Mixed-Methods Research in Education (1 credit elective)
2020- present	Survey Development and Implementation (1 credit elective)
2020- present	Research Communication (1 credit core course for all PhD students; co-taught with Dr. Kathan Shukla)
2020- present	Higher Education in India (1 credit elective)
2020	Education: Theory, Policy, and Practice (1 credit area core course)

MBA courses (electives)

2020- present	Designing and Implementing Surveys (0.75 credit)
2020- present	Managing Self-Limiting Beliefs in Education and Training (0.75 credit)

Faculty Development Program

(3-month residential program for management faculty; ~80 participants within and outside India)

2019- present	Enhancing Academic Visibility (2 sessions)
2020- present	Crafting and Publishing Research (0.75 credit)

Executive Education Program

2022, 2023	Managing self-limiting beliefs (Leadership for Excellence in Education for the Andhra Pradesh Government School Heads)
2021- present	Best Practices for Survey Development and Implementation (Program for Teacher Educators of Delhi School Principals of State Council of Educational Research and Training and District Institute of Education and Training)
2021- present	Managing self-limiting beliefs (Capacity Building Program for Heads of Schools from Delhi School Principals of State Council of Educational Research and Training)
2021- present	Managing self-limiting beliefs (Strategic Leadership for Schools in a Changing Environment)
2019, 2020	Teaching and learning strategies; Principals motivating students (Professional Development Program for Education Staff of Arunachal Pradesh State Government)
2019, 2020	Impostor syndrome and gender dynamics at workplace (Enhancing Leadership Capacities and Potential Among Professional Women)
2019	STEM education and higher order skills (Strategic Leadership for Schools in a Changing Environment)

Other Teaching Assignments (* denotes PhD courses)

2023	*Academic Writing and Publishing (Instructor, The Academy of Human Resources Development, India)
2017-2018	*Survey Development and Implementation Methods (Instructor, Washington State University)
2017	Social Foundations of Education (Instructor, Washington State University)
2017	*Academic Writing (Visiting Faculty, Homi Bhabha Centre for Science Education, Mumbai, India)
2010-2011	Science in Elementary Schools (Required for elementary teacher certification); Graduate Teaching Assistant, University of Virginia
2005-2006	Science and math teacher (grades 6-10), Secondary School Teacher, Kolkata, India

Professional Development Workshops

2022	Best Practices for Survey Development and Implementation (Research & Publications Workshop Series, Indian Institute of Management Ahmedabad)
2021	Self-Limiting Beliefs in Education and Training (CBSE Sahodaya School Complexes: Delhi NCR)
2020	Mixed-Methods Research (Research & Publications Workshop Series, Indian Institute of Management Ahmedabad) (Link)
2017	Academic Writing (Department of Education, University of Mumbai and Western Regional Center- Indian Council of Social Science Research, Mumbai)

2017 Academic Writing (The Western Regional Center- Indian Council of Social Science Research, Mumbai)

Advising and Mentoring (Graduate students)

Indian Institute of Management Ahmedabad

Chairperson, Thesis Advisory Committee

Rya Ray (2022)

PhD Thesis Examination Committee

Karan Babbar (2022)

PhD Thesis Advisory Committee

Shreya Sharma (2022-present)

Atima Singh (2020-present)

Karan Babbar (2020-2022)

Ankit Saraf (2019- 2022)

Temporary PhD adviser

Taronish Astad Pastakia (2023- present)

Deepak Sharma (2021- present)

Furkan Khan (2020- present)

PhD comprehensive examination committee

Furkan Khan (2022)

Nirved Kumar (2022)

Parth Soni (2021)

Rubaina Srivastava (2020)

Shreya Sharma (2020)

Washington State University College of Education

Temporary PhD adviser

Cory Ray (2017-2018)

Dissertation committee member

Christine A. McManus (2016-2018)

Research mentor

Brittany Leaf (2018); Teresa Zhang (2018); Caroline Oluyomi Ojeme (2016-2017)

IPN - Leibniz-Institute for Science and Mathematics Education

Research mentor

Sebastian Bergmann (2015-2016)

Professional Service

NATIONAL/INTERNATIONAL-LEVEL

Editorial Boards

BMC Medical Education (2022-2023)

Studies in Graduate and Postdoctoral Education (2021- present)

International Journal of Doctoral Studies (2020- present)

Grant Review Panelist (External Reviewer/Evaluator)

European Science Foundation (2023)

Swiss National Science Foundation (2022)

U.S. Department of Agriculture, National Institute of Food and Agriculture (2018)

Ad-Hoc Reviewer for Peer-Reviewed Journals (2013- present)

Bulletin of Science, Technology & Society

BMC Nutrition

CBE- Life Sciences Education

Cogent Education

Current Psychology

Frontiers in Psychology

Health Professions Education

IIMB Management Review

International Journal of Doctoral Studies

Journal of Experimental Psychopathology

Journal of Latinos and Education

Journal of Medical Education and Curricular Development

Journal of Microbiology and Biology Education

Journal of Women and Gender in Higher Education

PLOS ONE

Psychological Studies

Science Education

Studies in Graduate and Postdoctoral Education

Reviewer

National Association for Research in Science Teaching Outstanding Doctoral Research Award Committee (2019-2021)

SIG 168 Doctoral Education across the Disciplines Outstanding Dissertation Award Committee, American Educational Research Association (2016, 2018)

Conference Proposal Reviewer

American Association for the Advancement of Science Annual Meeting (2021-2023)

American Educational Research Association. (2013-present)

Division I: Education in the Professions

SIG- Graduate and Postdoctoral Education across the Disciplines

SIG- Mixed Methods Research

SIG- Research on Women and Education

American Educational Research Association Division D Graduate Student In-progress Research Gala (2016, 2017)

Association for Science Teacher Education (2015)

European Science Education Research Association Summer School (2016, 2017)

International Conference to Review Research in Science, Technology and Mathematics Education, Mumbai, India [epiSTEME 7 (2018); epiSTEME 8 (2020)]

National Association for Research in Science Teaching. (2014-present)

National Association of Student Personnel Administrators Annual Conference 2020

National Science Teaching Association National Conference on Science Education (2023)

Network Gender & STEM Conference (2020-present)

Quality in Postgraduate Research Conference, Australia (2018, 2020)

Society for the Advancement of Biology Education Research (2016-present)
The Association of American Medical Colleges Learn Serve Lead Meeting (2019-present)
The Association for the Study of Higher Education. (2014-2016, 2018)

Chair

Special Interest Group 168 Outstanding Publication Award Committee, American Educational Research Association (2017)

Conference Discussant

Annual Conference of the South African Association for Research in Mathematics, Science and Technology Education (2023)

Invited panelist

Pre-departure orientation for undergraduate and graduate students; United States-India Educational Foundation, Kolkata (India) (2017, 2019)

INSTITUTION-LEVEL

Indian Institute of Management Ahmedabad

Chair

Committee for Managing Gender Issues (2023: May- September)

Committee member

RJMCEI Faculty Recruitment Committee (2022-2024)
Committee for Managing Gender Issues (2022- present)
Faculty Development Program (2019-2021)
Centre for Management of Health Services (2019-2020)
Gender Centre (2019-2022)

Interview panelist

Post Graduate Program in Management (MBA) admissions (2020- present)
Post Graduate Program in Food and Agri-Business Management admissions (2019- present)
Post Graduate Program in Management for Executives (MBA-PGPX) (2021- present)
PhD admissions (2020- present)
Academic Associates recruitment (2019- present)
Mahatma Gandhi National Fellowship (2021)

Reviewer

Professor Tirath Gupta Memorial Award for Best Thesis (2022)
Industrial Finance Corporation of India (IFCI) Award for Thesis Proposal (2019)

Washington State University

Reviewer: Faculty Research Funding Award, College of Education (2017)

MMI evaluator: Elson S. Floyd College of Medicine (2017)

Evaluator: Logan Scholarships (2017-2018)

Committee member

Graduate Studies Committee, College of Education (2017-2018)
Grants and Research Advisory Committee, College of Education (2016-2018)

Mathematics and Science Education PhD Committee (2016-2018)
Mental Health Promotion and Suicide Prevention Committee (Spring, 2017)
Elected member of the President's Commission on the Status of Women (CSW)
(2017-2019)

Current Membership in Professional Societies

American Educational Research Association (since 2011)
National Association for Research in Science Teaching (since 2011)

Past Membership in Professional Societies

Association for Science Teacher Education
European Science Education Association (2014-2016)
Society for the Advancement of Biology Education Research
Society of Toxicology (2007-2009)
The Association for the Study of Higher Education (2013-2017)