Dr. Aditya Ganesha Togi

Texas State University
Associate Professor
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Professional Positions

Assistant Professor of Instruction, Texas State University. (September 1, 2024 - Present).

Lecturer, Texas State University. (September 1, 2021 - August 31, 2024).

Adjunct Assistant Professor, University of Montana. (August 15, 2019 - August 15, 2021).

Visiting Professor, St. Mary's University. (January 10, 2018 - July 1, 2019).

Assistant Professor of Research, University of Texas San Antonio. (March 15, 2017 - 2018).

Teaching and Research Assistant, University of Toledo. (August 5, 2009 - January 31, 2017).

Visiting Graduate Student Fellow, California Institute of Technology. (January 2014 - July 2014).

Project Associate, Indian Institute of Astrophysics. (August 1, 2008 - June 30, 2009).

Research Assistant, Indian Institute of Astrophysics. (August 8, 2006 - August 1, 2008).

Education

PHD, University of Toledo, 2016.
Major: Physics
Dissertation Title: Lighting the Dark Molecular Gas and a Bok Globule

Professional Memberships

Sigma Xi. (February 26, 2026 - Present).

Phi Kappa Phi. (April 26, 2014 - Present).

Sigma Pi Sigma. (April 22, 2013 - Present).

Awards and Honors

Favorite Professor, Alpha Chi National Honor Society. (November 7, 2025).

College Achievement Award for Excellence in Teaching, CoSE, Texas State University. (October 1, 2025).

Love of Learning, Phi Kappa Phi. (November 2015).

Best Student Presentation Award, Department of Physics- University of Toledo. (December 2014).

IPAC Visiting Graduate Student Fellowship, Caltech-IPAC. (January 15, 2014 - August 15, 2014).

Graduate Research Award, University of Toledo. (April 2013).

Best Student Presentation Award, Department of Physics, University of Toledo. (December 2012).

Harvard CfA X-ray Astronomy School Fellowship. (August 2011).

K. M. Doshi Trust Prize. (January 15, 2005).

SIES College Prize. (January 15, 2005).

K. P. Iyer Endowment Prize. (February 2003).

R. S. Mani Scholarship. (February 2003).

SIES College Prize. (February 2003).

Media Appearances and Interviews

Eurpoean Space Agency (ESA). (April 17, 2025).

Science Journal. (March 1, 2024).

AAS Press release. (January 2023).

https://news.westernu.ca/2022/09/jwst-pdrs4all-orion-nebula/. (September 12, 2022).

Astronomy and Astrophysics. (September 2017).

Publications

Sebastian, B., Ogle, P. M., Guillard, P., Lanz, L., Morganti, R., Reynaldi, V., L\'opez, I.~E., Emonts, B., Garcia-Burillo, S., Tadhunter, C., O'Dea, C.~P., Baum, S., Faifer, F.~R., Labiano, A., Lehnert, M., Togi, A. G., Alatalo, K., Appleton, P., Bhutkar, R., & Egami, E. (2026). JWST Resolves Jet-driven H$_{2}$ and Ionized Outflows in Radio Galaxy 3C 305. *The Astrophysical Journal*, *1006*(2), 247. https://doi.org/10.3847/1538-4357/ae8261

Duval, S. E., Smith, J.~D.~T., Bolatto, A. D., Draine, B.~T., Lai, T. S., Sandstrom, K. M., Glover, Simon C.~O., Klessen, R. S., Mills, Elisabeth A.~C., Levy, R. C., Veilleux, S., Dale, D. A., Togi, A. G., van der Werf, Paul P., Villanueva, V., Siwakoti, U., Cronin, S. A., Skillman, E. D., Fisher, D. B., … Arens, P. A. (2026). JWST Observations of Starbursts: Molecular Hydrogen Excitation and Disequilibrium in M82. *The Astrophysical Journal*, *1005*(1), 56. https://doi.org/10.3847/1538-4357/ae6fb8

Aravindan, A., Bohn, T., Canalizo, G., Satyapal, S., U, V., Liu, W., Matzko, W., Doan, S., Malkan, M., Armus, L., Nagao, T., Diaz-Santos, T., Togi, A. G., Lai, Thomas S.~Y., Linden, S. T., Bianchin, M., Song, Y., Barcos-Mu\~noz, Loreto, Evans, A., … Surace, J. (2026). Probing Active Galactic Nuclei-driven Feedback in Dwarf Galaxies with Spatially Resolved Near-infrared Coronal Lines from JWST. *The Astrophysical Journal*, *1000*(2), 230. https://doi.org/10.3847/1538-4357/ae4695

Qiu, J., Ciurlo, A., Morris, M. R., Vermot, P., Le Bourlot, J., Rouan, D., Togi, A. G., Do, T., Ghez, A. M., Bron, E., Le Petit, F., Cl\'enet, Yann, Mills, Elisabeth A.~C., & Lu, J. R. (2026). First Observation of CO$_{2}$ Foreground Absorption toward the Galactic Center with JWST. *The Astrophysical Journal*, *1000*(2), 160. https://doi.org/10.3847/1538-4357/ae4977

Ghodsi, L., Kuhn, L., Man, A.~W.~S., Andreani, P., De Breuck, C., Togi, A. G., Dasyra, K., Lehnert, M., Garc\'\ia-Bernete, I., Donevski, D., Bisbas, T.~G., & Miyamoto, Y. (2026). Warm and Cold Molecular Gas in the Cluster Center of MACS 1931-26 with JWST and ALMA. *The Astrophysical Journal*, *996*(1), 86. https://doi.org/10.3847/1538-4357/ae1f1a

Vermot, P., Ciurlo, A., Rouan, D., Morris, M.~R., Bron, E., Le Bourlot, J., Le Petit, F., Qiu, J., Togi, A. G., Ghez, A., Do, T., & Lu, J.~R. (2025). Interstellar medium phases and abundances in the central parsec: A JWST MIRI/MRS view of the Galactic center. *Astronomy & Astrophysics*, *704*, A295. https://doi.org/10.1051/0004-6361/202556492

Aromal, P., Gallagher, S.~C., Fedotov, K., Bastian, N., Lisenfeld, U., Charlton, J.~C., Appleton, P.~N., Braine, J., Johnson, K.~E., Tzanavaris, P., Emonts, B.~H.~C., Togi, A. G., Xu, C.~K., Guillard, P., Barcos-Mu\~noz, L., Smith, L.~J., & Konstantopoulos, I.~S. (2025). Characterizing the Star Cluster Populations in Stephan's Quintet Using HST and JWST Observations. *The Astrophysical Journal*, *994*(1), 90. https://doi.org/10.3847/1538-4357/ae0cb4

Lai, T. S. -., Duval, S., Smith, J.~D.~T., Armus, L., Witt, A. N., Sandstrom, K., Tarantino, E., Baba, S., Bolatto, A., Donnelly, G. P., Hensley, B. S., Imanishi, M., Lenkic, L., Linden, S., Nakagawa, T., Spoon, Henrik W.~W.,

Togi, A. G., & Whitcomb, C. M. (2025). Resolving Emission from Small Dust Grains in the Blue Compact Dwarf II Zw 40 with JWST. *The Astrophysical Journal Letters*, *991*(2), L56. https://doi.org/10.3847/2041-8213/ae0467

Xu, C.~K., Cheng, C., Yun, M.~S., Appleton, P.~N., Emonts, B.~H.~C., Braine, J., Gallagher, S.~C., Guillard, P., Lisenfeld, U., O'Sullivan, E., Renaud, F., Aromal, P., Duc, P. -., Labiano, A., & Togi, A. G. (2025). SQ-A: A Collision-triggered Starburst in the Intragroup Medium of Stephan's Quintet. *The Astrophysical Journal*, *991*(2), 197. https://doi.org/10.3847/1538-4357/adfbf6

Jones, L. H., Hernandez, S., Smith, L. J., Togi, A. G., Diaz-Santos, T., Aloisi, A., Blair, W., Hirschauer, A. S., Hunt, L. K., James, B. L., Kumari, N., Lebouteiller, V., Mingozzi, M., & Ramambason, L. (2025). A JWST/MIRI View of the Interstellar Medium in M83. I. Resolved Molecular Hydrogen Properties, Star Formation, and Feedback. *The Astrophysical Journal*, *987*(2), 142. https://doi.org/10.3847/1538-4357/adce71

Hernandez, S., Smith, L. J., Jones, L. H., Togi, A. G., Mel\'endez, Marcio B., Abril-Melgarejo, V., Adamo, A., Alonso Herrero, A., D\'\iaz-Santos, Tanio, Fischer, T. C., Garc\'\ia-Burillo, Santiago, Hirschauer, A. S., Hunt, L. K., James, B., Lebouteiller, V., Long, K. S., Mingozzi, M., Ramambason, L., & Ramos Almeida, C. (2025). JWST/MIRI Detection of [Ne v] and [Ne VI] in M83: Evidence for the Long Sought-after Active Galactic Nucleus?. *The Astrophysical Journal*, *983*(2), 154. https://doi.org/10.3847/1538-4357/adba5d

Emonts, B.~H.~C., Appleton, P.~N., Lisenfeld, U., Guillard, P., Xu, C.~K., Reach, W.~T., Barcos-Mu\~noz, L., Labiano, A., Ogle, P.~M., O'Sullivan, E., Togi, A. G., Gallagher, S.~C., Aromal, P., Duc, P. -., Alatalo, K., Boulanger, F., D\'\iaz-Santos, T., & Helou, G. (2024). Bird's-eye View of Molecular Gas across Stephan's Quintet Galaxy Group and Intragroup Medium. *The Astrophysical Journal*, *978*(1), 111. https://doi.org/10.3847/1538-4357/ad957c

Bohn, T., Inami, H., Togi, A. G., Armus, L., Lai, T. S. -., Barcos-Munoz, L., Song, Y., Linden, S.~T., Surace, J., Bianchin, M., U, V., Evans, A. S., B\"oker, Torsten, Malkan, M. A., Larson, K. L., Stierwalt, S., Buiten, V. A., Charmandaris, V., Diaz-Santos, T., … Sanders, D. B. (2024). GOALS-JWST: The Warm Molecular Outflows of the Merging Starburst Galaxy NGC 3256. *The Astrophysical Journal*, *977*(1), 36. https://doi.org/10.3847/1538-4357/ad87d3

Van De Putte, D., Meshaka, R., Trahin, B., Habart, E., Peeters, E., Bern\'e, Olivier, Alarc\'on, Felipe, Canin, Am\'elie, Chown, R., Schroetter, I., Sidhu, A., Boersma, C., Bron, E., Dartois, E., Goicoechea, J. R., Gordon, K. D., Onaka, T., Tielens, Alexander G.~G.~M., Verstraete, L., … Zhen, J. (2024). PDRs4All. VIII. Mid-infrared emission line inventory of the Orion Bar. *Astronomy and Astrophysics*, *687*, A86. https://doi.org/10.1051/0004-6361/202449295

Habart, E., Peeters, E., Bern\'e, Olivier, Trahin, B., Canin, Am\'elie, Chown, R., Sidhu, A., Van De Putte, D., Alarc\'on, Felipe, Schroetter, I., Dartois, E., Vicente, S\'\ilvia, Abergel, A., Bergin, E. A., Bernard-Salas, J., Boersma, C., Bron, E., Cami, J., Cuadrado, S., … Zhen, J. (2024). PDRs4All. II. JWST's NIR and MIR imaging view of the Orion Nebula. *Astronomy and Astrophysics*, *685*, A73. https://doi.org/10.1051/0004-6361/202346747

Chown, R., Sidhu, A., Peeters, E., Tielens, Alexander G.~G.~M., Cami, J., Bern\'e, Olivier, Habart, E., Alarc\'on, Felipe, Canin, Am\'elie, Schroetter, I., Trahin, B., Van De Putte, D., Abergel, A., Bergin, E. A., Bernard-Salas, J., Boersma, C., Bron, E., Cuadrado, S., Dartois, E., … Zhen, J. (2024). PDRs4All. IV. An embarrassment of riches: Aromatic infrared bands in the Orion Bar. *Astronomy and Astrophysics*, *685*, A75. https://doi.org/10.1051/0004-6361/202346662

Peeters, E., Habart, E., Bern\'e, Olivier, Sidhu, A., Chown, R., Van De Putte, D., Trahin, B., Schroetter, I., Canin, Am\'elie, Alarc\'on, Felipe, Schefter, B., Khan, B., Pasquini, S., Tielens, Alexander G.~G.~M., Wolfire, M. G., Dartois, E., Goicoechea, J. R., Maragkoudakis, A., Onaka, T., … Zhen, J. (2024). PDRs4All: III. JWST's NIR spectroscopic view of the Orion Bar. *Astronomy and Astrophysics*, *685*, A74. https://doi.org/10.1051/0004-6361/202348244

Donnelly, G.~P., Smith, J.~D.~T., Draine, B.~T., Togi, A. G., Lai, T.~S. -Y., Armus, L., Dale, D.~A., & Charmandaris, V. (2024). The Impact of an Active Galactic Nucleus on Polycyclic Aromatic Hydrocarbon Emission in Galaxies: The Case of Ring Galaxy NGC 4138. *The Astrophysical Journal*, *965*(1), 75. https://doi.org/10.3847/1538-4357/ad2169

Bern\'e, Olivier, Habart, E., Peeters, E., Schroetter, I., Canin, Am\'elie, Sidhu, A., Chown, R., Bron, E., Haworth, T. J., Klaassen, P., Trahin, B., Van De Putte, D., Alarc\'on, Felipe, Zannese, M., Abergel, A., Bergin, E. A.,

Bernard-Salas, J., Boersma, C., Cami, J., … Zhen, J. (2024). A far-ultraviolet driven photoevaporation flow observed in a protoplanetary disk. *Science*, *383*(6686), 988–992. https://doi.org/10.1126/science.adh2861

Ogle, P. M., L\'opez, Iv\'an E., Reynaldi, V., Togi, A. G., Rich, R. M., Rom\'an, Javier, Caceres, O., Li, Zhuofu (Chester), Donnelly, G., Smith, J.~D.~T., Appleton, P. N., & Lanz, L. (2024). Radio Jet Feedback on the Inner Disk of Virgo Spiral Galaxy Messier 58. *The Astrophysical Journal*, *962*(2), 196. https://doi.org/10.3847/1538-4357/ad1242

Appleton, P.~N., Guillard, P., Emonts, B., Boulanger, F., Togi, A. G., Reach, W. T., Alatalo, K., Cluver, M., Diaz Santos, T., Duc, P. -., Gallagher, S., Ogle, P., O'Sullivan, E., Voggel, K., & Xu, C.~K. (2023). Multiphase Gas Interactions on Subarcsec Scales in the Shocked Intergalactic Medium of Stephan's Quintet with JWST and ALMA. *The Astrophysical Journal*, *951*(2), 104. https://doi.org/10.3847/1538-4357/accc2a

Hernandez, S., Jones, L., Smith, L. J., Togi, A. G., Aloisi, A., Blair, W. P., Hirschauer, A. S., Hunt, L. K., James, B. L., Kumari, N., Lebouteiller, V., Mingozzi, M., & Ramambason, L. (2023). Dissecting the Mid-infrared Heart of M83 with JWST. *The Astrophysical Journal*, *948*(2), 124. https://doi.org/10.3847/1538-4357/acc837

Lai, T. S. -., Armus, L., U, V., D\'\iaz-Santos, Tanio, Larson, K. L., Evans, A., Malkan, M. A., Appleton, P., Rich, J., M\"uller-S\'anchez, Francisco, Inami, H., Bohn, T., McKinney, J., Finnerty, L., Law, D. R., Linden, S. T., Medling, A. M., Privon, G. C., Song, Y., … Surace, J. (2022). GOALS-JWST: Tracing AGN Feedback on the Star-forming Interstellar Medium in NGC 7469. *The Astrophysical Journal Letters*, *941*(2), L36. https://doi.org/10.3847/2041-8213/ac9ebf

Bern\'e, Olivier, Habart, \'Emilie, Peeters, E., Abergel, A., Bergin, E. A., Bernard-Salas, J., Bron, E., Cami, J., Dartois, E., Fuente, Asunci\'on, Goicoechea, J. R., Gordon, K. D., Okada, Y., Onaka, T., Robberto, M., R\"ollig, Markus, Tielens, Alexander G.~G.~M., Vicente, S\'ilvia, Wolfire, M. G., … Zhen, J. (2022). PDRs4All: A JWST Early Release Science Program on Radiative Feedback from Massive Stars. *Publications of the Astronomical Society of the Pacific*, *134*(1035). https://doi.org/10.1088/1538-3873/ac604c

Appleton, P., Armus, L., Boulanger, F., Bradford, M., Braine, J., Bromm, V., Capak, P., Cluver, M., Cooray, A., Diaz-Santos, T., Egami, E., Emonts, B., Guillard, P., Helou, G., Lanz, L., Madden, S., Medling, A., OSullivan, E., Ogle, P., … Xu, K. (2019). Warm H2 as a probe of massive accretion and feedback through shocks and turbulence across cosmic time. *Bulletin of the American Astronomical Society*, *51*(3), 370. https://doi.org/10.48550/arXiv.1903.06653

Rosario, D. J., Togi, A. G., Burtscher, L., Davies, R. I., Shimizu, T. T., & Lutz, D. (2019). An Accreting Supermassive Black Hole Irradiating Molecular Gas in NGC 2110. *The Astrophysical Journal Letters*, *875*(2), L8. https://doi.org/10.3847/2041-8213/ab1262

Fuller, L., Lopez-Rodriguez, E., Packham, C., Ichikawa, K., Togi, A. G., Alonso-Herrero, A., Ramos-Almeida, C., Diaz-Santos, T., Levenson, N.~A., & Radomski, J. (2019). SOFIA/FORCAST resolves 30-40 micron extended dust emission in nearby active galactic nuclei. *MNRAS*, *483*(3), 3404–3419. https://doi.org/10.1093/mnras/sty3338

Appleton, P.~N., Diaz-Santos, T., Fadda, D., Ogle, P., Togi, A. G., Lanz, L., Alatalo, K., Fischer, C., Rich, J., & Guillard, P. (2018). Jet-related Excitation of the [C II] Emission in the Active Galaxy NGC 4258 with SOFIA. *The Astrophysical Journal*, *869*(1), 61. https://doi.org/10.3847/1538-4357/aaed2a

Wiersema, K., Togi, A. G., Watson, D., Christensen, L., Fynbo, J.~P.~U., Gompertz, B.~P., Higgins, A.~B., Levan, A.~J., Oates, S.~R., Schulze, S., Smith, J.~D.~T., Stanway, E.~R., Starling, R.~L.~C., Steeghs, D., & Tanvir, N.~R. (2018). Infrared molecular hydrogen lines in GRB host galaxies. *MNRAS*, *481*(1), 1126–1132. https://doi.org/10.1093/mnras/sty2371

Smercina, A., Smith, J.~D.~T., Dale, D.~A., French, K.~D., Croxall, K.~V., Zhukovska, S., Togi, A. G., Bell, E.~F., Crocker, A.~F., Draine, B.~T., Jarrett, T.~H., Tremonti, C., Yang, Y., & Zabludoff, A.~I. (2018). After the Fall: The Dust and Gas in E+A Post-starburst Galaxies. *The Astrophysical Journal*, *855*(1), 51. https://doi.org/10.3847/1538-4357/aaafcd

Mills, Elisabeth A.~C., Togi, A. G., & Kaufman, M. (2017). Hot Molecular Gas in the Circumnuclear Disk. *The Astrophysical Journal*, *850*(2), 192. https://doi.org/10.3847/1538-4357/aa951f

Togi, A. G., Witt, A. N., & John, D. S. (2017). Dust properties of the cometary globule Barnard 207 (LDN 1489). *Astronomy and Astrophysics*, *605*, A99. https://doi.org/10.1051/0004-6361/201629414

Appleton, P.~N., Guillard, P., Togi, A. G., Alatalo, K., Boulanger, F., Cluver, M., Pineau des For\^ets, G., Lisenfeld, U., Ogle, P., & Xu, C.~K. (2017). Powerful H2 Line Cooling in Stephan's Quintet. II. Group-wide Gas and Shock Modeling of the Warm H2 and a Comparison with [C II] 157.7 micron Emission and Kinematics. *The Astrophysical Journal*, *836*(1), 76. https://doi.org/10.3847/1538-4357/836/1/76

Togi, A. G., & Smith, J.~D.~T. (2016). Lighting the Dark Molecular Gas: H2 as a Direct Tracer. *The Astrophysical Journal*, *830*(1), 18. https://doi.org/10.3847/0004-637X/830/1/18

Janzen, A., Klopf, E. M., Lockman, F. J., Montez, Jr., R., Plarre, K., Pokhrel, N. R., Selina, R. J., Togi, A. G., & Zomederis, M. (2015). Limits on the H I content of the dwarf galaxy Hydra II. *Astronomy and Astrophysics*, *584*, A101. https://doi.org/10.1051/0004-6361/201527332

Togi, A. G. (2011). *India's National Large Solar Telescope site survey report*.

Presentations

Togi, A. G., "Molecular gas in the turbulent halo of Stephan's Quintet," UCLA, Los Angeles, CA. (July 15, 2026).

Togi, A. G., "Unveiling hidden blackholes and physics of merging galaxies with JWST," Texas State University, Texas State University, San Marcos. (April 16, 2026).

Togi, A. G., ASTRAX, "Study Of Dust and Gas in Galaxies through the 6.5m Infrared Eye: JWST," Indian Institute of Technology, Mandi, Online, Mandi. (March 14, 2026).

Togi, A. G., Physics club, "Observing our Universe with the new Infrared eye: JWST," Texas State University, San Marcos. (October 2024).

Togi, A. G., "Observing our Universe with the new Infrared eye: JWST," Indian Institute of Technology, Mandi, Online, India. (April 14, 2024).

Togi, A. G., Astronomy club, "Study of ISM dust and gas in low metallicity galaxies," Texas State University, Department of Physics, San Marcos, United States. (February 21, 2024).

Togi, A. G., "Star formation in isolated globule- the case of B207," Physics Club, Texas State University, San Marcos, TX, United States. (March 2023).

Togi, A. G., "Observing our Universe with the new eye: James Webb Space Telescope," Texas State University, Physics Department, San Marcos, TX, United States. (October 2022).

Togi, A. G., "Exploring the dust and gas in galaxies using the James Webb Space Telescope,," Goa University, Goa University, Goa. (August 2022).

Togi, A. G., Astronomy club, "James Webb Space Telescope (JWST): The new candle for lighting the dark molecular gas,," Texas State University, Physics Department, San Marcos. (February 2022).

Togi, A. G., "Study of dust and gas in Galaxies,," Pandit Deendayal Energy University, Pandit Deendayal Energy University, Gandhinagar, India. (February 2022).

Togi, A. G., Astronomy club meeting, "Astronomy during the era of James Webb Space Telescope," Western Montana Astronomical Association, Missoula Public Library, Missoula, MT. (May 2021).

Togi, A. G., AAS Meetig, "MIR H2 rotational lines- a new tracer for total molecular gas mass," American Astronomical Association, Kissimmee, FL, Kissimmee, FL. (January 2016).

Togi, A. G., TUNA Lunch Talk, "Lighting the dark molecular gas," National Radio Astronomy Observatory, NRAO, Charlottesville, VA. (July 2015).

Togi, A. G., Research Experience Undergraduate-Lunch talk, "The astronomical vulture in space- B207," University of Toledo, Department of Physics, University of Toledo, Toledo, OH. (June 2015).

Togi, A. G., Astronomy club meeting, "The astronomical vulture in space- B207," Toledo Astronomical Association, University of Toledo, Toledo, OH. (April 2015).

Togi, A. G., Midwest Graduate Research Symposium, "Sequential star formation in isolated cometary globule- the case of B207," University of Toledo, University of Toledo, Toledo, OH. (March 2015).

Togi, A. G., Lunch Seminar, "Molecular gas properties in GOALS galaxies," Infrared Processing Analysis Center, IPAC-Caltech, Pasadena, CA. (July 2014).

Togi, A. G., Lunch Talk, "Lighting the dark molecular gas," NASA Jet Propulsion Lab, NASA JPL, Los Angeles, CA. (June 2014).

Togi, A. G., International Symposium on Molecular Spectroscopy, "Lighting the dark molecular gas through MIR H2 rotational lines," University of Illinois Urbana-Champaign, UIC- Urbana Champaign, Urbana Champaign, IL. (June 2014).

Togi, A. G., 3D2014 - Gas and stars in galaxies: A multi-wavelength 3D perspective, "MIR H2 rotational lines- a new probe to measure the cold molecular gas mass in galaxies," European Southern Observatory, ESO-Garching, Munich, Germany. (March 2014).

Togi, A. G., "Lighting the dark molecular gas," SIES College, Mumbai, Mumbai, India. (September 2013).

Togi, A. G., "Lighting the dark molecular gas," University of Mumbai, University of Mumbai, Mumbai, India. (September 2013).

Togi, A. G., Weekly Seminar series, "Lighting the dark molecular gas," Indian Institute of Astrophysics, Indian Institute of Astrophysics, Bengaluru, India. (August 2013).

Togi, A. G., IPAC Conference, "Lighting the dark molecular gas at Infrared and sub-mm probes of gas in galaxies," Infrared Processing and Analysis Center, IPAC-Pasadena, Pasadena, CA. (March 2013).

Togi, A. G., Astronomy club meeting, "H2 lines- a new tracer of molecular gas," Toledo Astronomical Association, University of Toledo, Toledo, OH. (November 2012).

Togi, A. G., Lunch Talk, "Study of coronal X-ray bright points using Hinode/XRT data," Indian Institute of Astrophysics, Indian Institute of Astrophysics, Bengaluru, India. (June 2009).

Togi, A. G., Astronomical Society of India Meeting, "Development of Solar Differential Image Motion Monitor for National Large Solar Telescope," Indian Institute of Astrophysics, Indian Institute of Astrophysics, Bengaluru, India. (February 2009).

Togi, A. G., Astronomical Society of India meeting, "Study of day sky conditions at Hanle, Merak, and Devasthal for the proposed NLST project," Astronomical Society of India, Indian Institute of Astrophysics, Bengaluru, India. (February 2009).

Togi, A. G., Astronomical Society of India Meeting, "Temperature fluctuation in solar X-ray bright points from Hinode/XRT," Indian Institute of Astrophysics, Indian Institute of Astrophysics, Bengaluru, India. (February 2009).

Togi, A. G., National Large Solar Telescope meeting, "National Large Solar Telescope- site characterization results," Indian Institute of Astrophysics, Indian Institute of Astrophysics, Bengaluru, India. (July 2008).

Togi, A. G., IIA in house meeting, "Inhouse development of SDIMM, SHABAR and micro thermal equipment for site survey and charac- terization program for NLST project," Indian Institute of Astrophysics, Indian Institute of Astrophysics, Bengaluru, India. (April 2008).

Togi, A. G., IIA in house meeting, "Site survey and characterization program for proposed National Large Solar Telescope project," Indian Institute of Astrophysics, Indian Institute of Astrophysics, Bengaluru. (April 2008).

Contract, Fellowships, Grants and Sponsored Research

Togi, A. G., "Resolving the cold and warm circumgalactic medium in a cool-core brightest cluster galaxy with ALMA and JWST," Sponsored by National Radio Astronomy Observatory, Federal. (February 1, 2026 - January 31, 2029).

Togi, A. G., "Toward a complete NIR/MIR view of the circumgalactic medium of a brightest cluster galaxy at z = 0.4," Sponsored by NASA, Federal, $126,161.00. (February 1, 2026 - January 31, 2029).

Togi, A. G., "Anatomy of a Starburst: Spatially resolving Star Formation and Feedback in the nucleus of M83," Sponsored by NASA, Federal. (December 2025 - December 2028).

Togi, A. G. (Supporting), "Shaken and Stirred: Shocks and Turbulence in the Stephan's Quintet Warm Molecular Filament," Sponsored by NASA, Federal. (October 2023 - October 2026).

Togi, A. G. (Supporting), "AGN feedback and radio jet driven outflows in 3C 305," Sponsored by NASA, Federal. (October 15, 2023 - October 15, 2026).

Togi, A. G., "How do the small survive: PAHs in low metallicity starburst galaxy II Zw40," Sponsored by NASA, Federal. (September 2022 - September 2025).

Togi, A. G., "Radiative Feedback from Massive Stars as Traced by Multiband Imaging and Spectroscopic Mosaics," Sponsored by NASA, Federal. (July 2021 - July 2024).

Togi, A. G., "Tracing the magnetic fields and grain alignment in Barnard 207 (Vulture head nebula) with James Clerk Maxwell Telescope," Sponsored by NA, Other, $0.00. (2022).

Teaching Experience

PHYS 1315, section 003, GENERAL PHYSICS I. 3.00 credit hours.

PHYS 1315, section 004, GENERAL PHYSICS I. 3.00 credit hours.

PHYS 1115, section 017, GENERAL PHYSICS I LAB. 1.00 credit hours.

PHYS 1115, section 018, GENERAL PHYSICS I LAB. 1.00 credit hours.

PHYS 1115, section 019, GENERAL PHYSICS I LAB. 1.00 credit hours.

PHYS 1115, section 020, GENERAL PHYSICS I LAB. 1.00 credit hours.

PHYS 1115, section 021, GENERAL PHYSICS I LAB. 1.00 credit hours.

PHYS 1115, section 022, GENERAL PHYSICS I LAB. 1.00 credit hours.

PHYS 1115, section 023, GENERAL PHYSICS I LAB. 1.00 credit hours.

PHYS 1115, section 024, GENERAL PHYSICS I LAB. 1.00 credit hours.

PHYS 1315, section 502, GENERAL PHYSICS I. 3.00 credit hours. 21 enrolled.

PHYS 3318, section 251, GALAXIES. 3.00 credit hours. 8 enrolled.

PHYS 1315, section 251, GENERAL PHYSICS I. 3.00 credit hours. 94 enrolled.

PHYS 1315, section 253, GENERAL PHYSICS I. 3.00 credit hours. 92 enrolled.

PHYS 1115, section 267, GENERAL PHYSICS I LAB. 1.00 credit hours. 30 enrolled.

PHYS 1115, section 268, GENERAL PHYSICS I LAB. 1.00 credit hours. 22 enrolled.

PHYS 1115, section 269, GENERAL PHYSICS I LAB. 1.00 credit hours. 27 enrolled.

PHYS 1115, section 270, GENERAL PHYSICS I LAB. 1.00 credit hours. 30 enrolled.

PHYS 1115, section 271, GENERAL PHYSICS I LAB. 1.00 credit hours. 29 enrolled.

PHYS 1115, section 272, GENERAL PHYSICS I LAB. 1.00 credit hours. 30 enrolled.

PHYS 1115, section 273, GENERAL PHYSICS I LAB. 1.00 credit hours. 25 enrolled.

PHYS 1115, section 274, GENERAL PHYSICS I LAB. 1.00 credit hours. 27 enrolled.

PHYS 1315, section 001, GENERAL PHYSICS I. 3.00 credit hours. 94 enrolled.

PHYS 1315, section 003, GENERAL PHYSICS I. 3.00 credit hours. 92 enrolled.

PHYS 1315, section 004, GENERAL PHYSICS I. 3.00 credit hours. 90 enrolled.

PHYS 1115, section 017, GENERAL PHYSICS I LAB. 1.00 credit hours. 30 enrolled.

PHYS 1115, section 018, GENERAL PHYSICS I LAB. 1.00 credit hours. 30 enrolled.

PHYS 1115, section 019, GENERAL PHYSICS I LAB. 1.00 credit hours. 28 enrolled.

PHYS 1115, section 020, GENERAL PHYSICS I LAB. 1.00 credit hours. 30 enrolled.

PHYS 1115, section 021, GENERAL PHYSICS I LAB. 1.00 credit hours. 30 enrolled.

PHYS 1115, section 022, GENERAL PHYSICS I LAB. 1.00 credit hours. 30 enrolled.

PHYS 1115, section 023, GENERAL PHYSICS I LAB. 1.00 credit hours. 28 enrolled.

PHYS 1115, section 024, GENERAL PHYSICS I LAB. 1.00 credit hours. 29 enrolled.

PHYS 1315, section 502, GENERAL PHYSICS I. 3.00 credit hours. 21 enrolled.

PHYS 3318, section 251, GALAXIES. 3.00 credit hours. 4 enrolled.

PHYS 1315, section 251, GENERAL PHYSICS I. 3.00 credit hours. 99 enrolled.

PHYS 1315, section 253, GENERAL PHYSICS I. 3.00 credit hours. 98 enrolled.

PHYS 1115, section 263, GENERAL PHYSICS I LAB. 1.00 credit hours. 26 enrolled.

PHYS 1115, section 264, GENERAL PHYSICS I LAB. 1.00 credit hours. 30 enrolled.

PHYS 1115, section 265, GENERAL PHYSICS I LAB. 1.00 credit hours. 30 enrolled.

PHYS 1115, section 266, GENERAL PHYSICS I LAB. 1.00 credit hours. 27 enrolled.

PHYS 1115, section 267, GENERAL PHYSICS I LAB. 1.00 credit hours. 30 enrolled.

PHYS 1115, section 268, GENERAL PHYSICS I LAB. 1.00 credit hours. 25 enrolled.

PHYS 1115, section 269, GENERAL PHYSICS I LAB. 1.00 credit hours. 19 enrolled.

PHYS 1115, section 270, GENERAL PHYSICS I LAB. 1.00 credit hours. 30 enrolled.

PHYS 1115, section 271, GENERAL PHYSICS I LAB. 1.00 credit hours. 30 enrolled.

PHYS 1115, section 272, GENERAL PHYSICS I LAB. 1.00 credit hours. 30 enrolled.

PHYS 1115, section 273, GENERAL PHYSICS I LAB. 1.00 credit hours. 28 enrolled.

PHYS 1115, section 274, GENERAL PHYSICS I LAB. 1.00 credit hours. 29 enrolled.

PHYS 1315, section 001, GENERAL PHYSICS I. 3.00 credit hours. 99 enrolled.

PHYS 1315, section 003, GENERAL PHYSICS I. 3.00 credit hours. 98 enrolled.

PHYS 1315, section 004, GENERAL PHYSICS I. 3.00 credit hours. 99 enrolled.

PHYS 1115, section 017, GENERAL PHYSICS I LAB. 1.00 credit hours. 27 enrolled.

PHYS 1115, section 018, GENERAL PHYSICS I LAB. 1.00 credit hours. 26 enrolled.

PHYS 1115, section 019, GENERAL PHYSICS I LAB. 1.00 credit hours. 26 enrolled.

PHYS 1115, section 020, GENERAL PHYSICS I LAB. 1.00 credit hours. 30 enrolled.

PHYS 1115, section 021, GENERAL PHYSICS I LAB. 1.00 credit hours. 30 enrolled.

PHYS 1115, section 022, GENERAL PHYSICS I LAB. 1.00 credit hours. 29 enrolled.

PHYS 1115, section 023, GENERAL PHYSICS I LAB. 1.00 credit hours. 24 enrolled.

PHYS 1115, section 024, GENERAL PHYSICS I LAB. 1.00 credit hours. 23 enrolled.

PHYS 1340, section 501, ASTRONOMY SLR SYS. 3.00 credit hours. 22 enrolled.

PHYS 1320, section 252, ELEMENT PHYS II. 3.00 credit hours. 44 enrolled.

PHYS 1315, section 253, GENERAL PHYSICS I. 3.00 credit hours. 100 enrolled.

PHYS 1115, section 267, GENERAL PHYSICS I LAB. 1.00 credit hours. 21 enrolled.

PHYS 1115, section 268, GENERAL PHYSICS I LAB. 1.00 credit hours. 20 enrolled.

PHYS 1115, section 269, GENERAL PHYSICS I LAB. 1.00 credit hours. 21 enrolled.

PHYS 1115, section 270, GENERAL PHYSICS I LAB. 1.00 credit hours. 21 enrolled.

PHYS 1115, section 271, GENERAL PHYSICS I LAB. 1.00 credit hours. 20 enrolled.

PHYS 1115, section 272, GENERAL PHYSICS I LAB. 1.00 credit hours. 20 enrolled.

PHYS 1115, section 273, GENERAL PHYSICS I LAB. 1.00 credit hours. 14 enrolled.

PHYS 1115, section 274, GENERAL PHYSICS I LAB. 1.00 credit hours. 20 enrolled.

PHYS 4320, section 253, SEL STDS IN PHYS. 3.00 credit hours. 2 enrolled.

PHYS 1350, section 003, ASTRONOMY STR & GA. 3.00 credit hours. 98 enrolled.

PHYS 1315, section 001, GENERAL PHYSICS I. 3.00 credit hours. 100 enrolled.

PHYS 1315, section 003, GENERAL PHYSICS I. 3.00 credit hours. 96 enrolled.

PHYS 1315, section 004, GENERAL PHYSICS I. 3.00 credit hours. 97 enrolled.

PHYS 1115, section 013, GENERAL PHYSICS I LAB. 1.00 credit hours. 25 enrolled.

PHYS 1115, section 014, GENERAL PHYSICS I LAB. 1.00 credit hours. 25 enrolled.

PHYS 1115, section 015, GENERAL PHYSICS I LAB. 1.00 credit hours. 23 enrolled.

PHYS 1115, section 016, GENERAL PHYSICS I LAB. 1.00 credit hours. 25 enrolled.

PHYS 1115, section 017, GENERAL PHYSICS I LAB. 1.00 credit hours. 25 enrolled.

PHYS 1115, section 018, GENERAL PHYSICS I LAB. 1.00 credit hours. 23 enrolled.

PHYS 1115, section 019, GENERAL PHYSICS I LAB. 1.00 credit hours. 23 enrolled.

PHYS 1115, section 020, GENERAL PHYSICS I LAB. 1.00 credit hours. 23 enrolled.

PHYS 1115, section 021, GENERAL PHYSICS I LAB. 1.00 credit hours. 25 enrolled.

PHYS 1115, section 022, GENERAL PHYSICS I LAB. 1.00 credit hours. 22 enrolled.

PHYS 1115, section 023, GENERAL PHYSICS I LAB. 1.00 credit hours. 23 enrolled.

PHYS 1115, section 024, GENERAL PHYSICS I LAB. 1.00 credit hours. 5 enrolled.

PHYS 1310, section 501, ELEMENT PHYS. 3.00 credit hours. 17 enrolled.

PHYS 1350, section 253, ASTRONOMY STR & GA. 3.00 credit hours. 100 enrolled.

PHYS 3318, section 251, GALAXIES. 3.00 credit hours. 7 enrolled.

PHYS 1315, section 253, GENERAL PHYSICS I. 3.00 credit hours. 101 enrolled.

PHYS 1115, section 263, GENERAL PHYSICS I LAB. 1.00 credit hours. 18 enrolled.

PHYS 1115, section 264, GENERAL PHYSICS I LAB. 1.00 credit hours. 18 enrolled.

PHYS 1115, section 265, GENERAL PHYSICS I LAB. 1.00 credit hours. 17 enrolled.

PHYS 1115, section 266, GENERAL PHYSICS I LAB. 1.00 credit hours. 17 enrolled.

PHYS 1115, section 267, GENERAL PHYSICS I LAB. 1.00 credit hours. 18 enrolled.

PHYS 1115, section 268, GENERAL PHYSICS I LAB. 1.00 credit hours. 15 enrolled.

PHYS 1115, section 269, GENERAL PHYSICS I LAB. 1.00 credit hours. 14 enrolled.

PHYS 1115, section 270, GENERAL PHYSICS I LAB. 1.00 credit hours. 17 enrolled.

PHYS 1115, section 271, GENERAL PHYSICS I LAB. 1.00 credit hours. 17 enrolled.

PHYS 1115, section 272, GENERAL PHYSICS I LAB. 1.00 credit hours. 17 enrolled.

PHYS 1115, section 273, GENERAL PHYSICS I LAB. 1.00 credit hours. 14 enrolled.

PHYS 1115, section 274, GENERAL PHYSICS I LAB. 1.00 credit hours. 16 enrolled.

PHYS 1310, section 001, ELEMENT PHYS. 3.00 credit hours. 71 enrolled.

PHYS 1320, section 001, ELEMENT PHYS. 3.00 credit hours. 35 enrolled.

PHYS 1320, section 002, ELEMENT PHYS. 3.00 credit hours. 65 enrolled.

PHYS 1115, section 009, GENERAL PHYSICS I LAB. 1.00 credit hours. 24 enrolled.

PHYS 1115, section 010, GENERAL PHYSICS I LAB. 1.00 credit hours. 24 enrolled.

PHYS 1115, section 011, GENERAL PHYSICS I LAB. 1.00 credit hours. 22 enrolled.

PHYS 1115, section 012, GENERAL PHYSICS I LAB. 1.00 credit hours. 17 enrolled.

PHYS 1115, section 013, GENERAL PHYSICS I LAB. 1.00 credit hours. 15 enrolled.

PHYS 1115, section 014, GENERAL PHYSICS I LAB. 1.00 credit hours. 24 enrolled.

PHYS 1115, section 015, GENERAL PHYSICS I LAB. 1.00 credit hours. 23 enrolled.

PHYS 1115, section 016, GENERAL PHYSICS I LAB. 1.00 credit hours. 24 enrolled.

PHYS 1325, section 003, GENERAL PHYSICS II. 3.00 credit hours. 93 enrolled.

PHYS 1340, section 501, ASTRONOMY SLR SYS. 3.00 credit hours. 33 enrolled.

PHYS 1350, section 751, ASTRONOMY STR & GA. 3.00 credit hours. 96 enrolled.

PHYS 1340, section 255, ASTRONOMY SLR SYS. 3.00 credit hours. 73 enrolled.

PHYS 1115, section 267, GEN PHYS I LAB. 1.00 credit hours. 20 enrolled.

PHYS 1115, section 268, GEN PHYS I LAB. 1.00 credit hours. 19 enrolled.

PHYS 1115, section 269, GEN PHYS I LAB. 1.00 credit hours. 20 enrolled.

PHYS 1115, section 270, GEN PHYS I LAB. 1.00 credit hours. 18 enrolled.

PHYS 1115, section 271, GEN PHYS I LAB. 1.00 credit hours. 20 enrolled.

PHYS 1115, section 272, GEN PHYS I LAB. 1.00 credit hours. 21 enrolled.

PHYS 1115, section 273, GEN PHYS I LAB. 1.00 credit hours. 21 enrolled.

PHYS 1115, section 274, GEN PHYS I LAB. 1.00 credit hours. 20 enrolled.

PHYS 1315, section 252, GENERAL PHYSICS I. 3.00 credit hours. 102 enrolled.

PHYS 1315, section 253, GENERAL PHYSICS I. 3.00 credit hours. 98 enrolled.

PHYS 1320, section 001, ELEMENT PHYS. 3.00 credit hours. 66 enrolled.

PHYS 1115, section 017, GEN PHYS I LAB. 1.00 credit hours. 22 enrolled.

PHYS 1115, section 018, GEN PHYS I LAB. 1.00 credit hours. 24 enrolled.

PHYS 1115, section 019, GEN PHYS I LAB. 1.00 credit hours. 25 enrolled.

PHYS 1115, section 020, GEN PHYS I LAB. 1.00 credit hours. 25 enrolled.

PHYS 1115, section 021, GEN PHYS I LAB. 1.00 credit hours. 25 enrolled.

PHYS 1115, section 022, GEN PHYS I LAB. 1.00 credit hours. 24 enrolled.

PHYS 1115, section 023, GEN PHYS I LAB. 1.00 credit hours. 23 enrolled.

PHYS 1115, section 024, GEN PHYS I LAB. 1.00 credit hours. 24 enrolled.

PHYS 1315, section 003, GENERAL PHYSICS I. 3.00 credit hours. 99 enrolled.

PHYS 1315, section 004, GENERAL PHYSICS I. 3.00 credit hours. 97 enrolled.

Directed Student Learning

Master's Thesis, "Highly dynamic inner disks and winds from a survey of infrared CO line variability with iSHELL on the IRTF." (January 2025 - July 31, 2026).
Advised: Juan Cano

Master's Thesis, "Metallicity Dependence of Compact-Object Binary Interactions and Mergers in Population Synthesis Simulations." (January 2025 - May 31, 2026).
Advised: Jordan Knight

Master's Thesis, "Exploring the Evolution of Low-Mass X-ray Binaries through Binary Population Simulations." (May 15, 2024 - June 30, 2025).
Advised: Sameer Rai

Master's Thesis, "Molecular Variability in protoplanetary disks with inner dust cavities observed with the James Webb Space Telescope and ALMA." (September 1, 2023 - May 31, 2025).
Advised: Patrick Mallaney

Master's Thesis, "Analysis of molecular variability due to accretion bursts in EXLup with JWST." (January 1, 2023 - July 30, 2024).
Advised: Sarah Smith

Master's Thesis, "The connection between X-ray binaries and star clusters in the Andromeda galaxy." (July 3, 2024).
Advised: Mauro Guerrero

Master's Thesis, "Classification of Extragalactic X-ray Sources Through a Machine Learning Pipeline." (January 1, 2023 - June 30, 2024).
Advised: Nicholas Moore

Master's Thesis, "The Nature of X-ray Sources in the Andromeda Galaxy." (July 15, 2023).
Advised: Erika Marentes

Master's Thesis, "A survey of ro-vibrational CO spectra from protoplanetary disks with iSHELL on the NASA IRTF telescope." (July 15, 2023).
Advised: Kirsten Abernathy

Master's Thesis, "Simulations of the Time Evolution of High Mass X-ray Binaries." (July 15, 2023).
Advised: Lindsey Diehl

Master's Thesis, "The Nature of X-ray Sources in Nearby Starburst Galaxies." (January 1, 2022 - August 31, 2022).
Advised: David Christian Palmore

Master's Thesis, "A multidimensional study of kinematics and excitation of molecular gas in planet-forming regions." (January 1, 2022 - August 31, 2022).
Advised: Jose Perez Chavez

Internship, "Modeling ISM Molecular Gas in Galaxies." (June 1, 2022 - August 1, 2022).
Advised: Shashank Neupane

Master's Thesis, "Multi wavelength analysis of 13 unknown galactic Fermi gamma ray sources." (January 1, 2022 - May 31, 2022).
Advised: Brice Williams

Applied Research Project, "Study on dust and molecular gas properties in the galaxy jet of NGC 4258." (June 1, 2017 - August 10, 2017).
Advised: Marcus Thomas

Applied Research Project, "Density Distribution in the Interstellar cloud B207." (June 1, 2013 - August 1, 2013).
Advised: Demi St. John

Non-Credit Instruction Taught

Guest Lecture, Hindu University of America, Groveland, FL, 20 participants. (December 10, 2026 - December 13, 2026).

Guest Lecture, Hindu University of America, Groveland, Florida, 25 participants. (December 11, 2025 - December 14, 2025).

Teaching Innovation and Curriculum Development

Revise Existing Course. PHYS 1115. January 1, 2025 - December 31, 2025.

Curriculum Development. PHYS 1115. August 10, 2023 - December 31, 2024.

First Time Course Preparation. PHYS-3318 Galaxies. January 15, 2023 - May 10, 2023.

Faculty Development Activities Attended

Seminar, "Asteroids, Orbits and Odds," National Optical-Infrared Astronomy Research Laboratory, Tucson, AR. (June 23, 2026).

Conference Attendance, "The Metal-Poor Frontier: Understanding Low-Metallicity Stars and Galaxies Across Cosmic Time," Space Telescope Science Institute, Baltimore, MD. (May 11, 2026 - May 15, 2026).

Conference Attendance, "Dusty Universe 2025: The Fifth Pan Dust Conference," University of Arizona, Tucson, AZ. (November 10, 2025 - November 14, 2025).

Conference Attendance, "BASHFEST 2025: New Horizons in Astronomy," University of Texas, Austin, Austin, TX. (September 29, 2025 - September 30, 2025).

Conference Attendance, "PRIMA and the Future of Far-Infrared Science," IPAC, Caltech, Pasadena, CA. (May 19, 2025 - May 21, 2025).

Conference Attendance, "Inter+Stellar: Harnessing the Intersection Between Stars and the Interstellar Medium," Space Telescope Science Institute, Baltimore, MD. (May 12, 2025 - May 16, 2025).

Conference Attendance, "Astronomy Retreat Program," Hindu University of America, Groveland, FL, United States. (December 26, 2024 - December 29, 2024).

Workshop, "ALMA Data Reduction Workshop," University of Texas, Austin, TX, United States. (November 22, 2024).

Conference Attendance, "Science with the Hubble and James Webb Space Telescopes VII: Stars, Gas & Dust in the Universe," Space Telescope Science Institute, Baltimore, United States. (April 29, 2024 - May 2, 2024).

Conference Attendance, "Recipes to Regulate Star Formation at All Scales: From the Nearby Universe to the First Galaxies," Space Telescope Science Institute, Baltimore, MD, United States. (April 15, 2024 - April 19, 2024).

Workshop, "OPTYC's Scientific Reasoning Labs 2024 Workshop," The Organization for Physics at Two Year Colleges (OPTYC's). (March 1, 2024).

Tutorial, "Canvas Basics," Texas State University, San Marcos. (January 9, 2024).

Conference Attendance, "ALMA at 10 years: Past, Present, and Future," National Radio Astronomy Observatory, Puerto Varas, Chile. (December 2023).

Conference Attendance, "19--Synthesis Imaging Workshop," National Radio Astronomy Observatory, Charlottesville, VA, United States. (June 2023).

Conference Attendance, "First UVEX Community Workshop: Synergies and New Opportunities," California Institute of Technology, Los Angeles, CA, United States. (March 2023).

Conference Attendance, "First science results from James Webb Space Telescope," Space Telescope Science Institute, Baltimore, MD, United States. (December 12, 2022 - December 15, 2022).

Seminar, "Introduction to Bayesian Statistics using Stata," Texas State University, San Marcos. (October 13, 2022).

Seminar, "Successfully Supervising Graduate Students' Theses and Dissertations," Texas State University, San Marcos, United States. (March 1, 2022).

Conference Attendance, "Elusive AGN in the next era," George Mason University, Fairfax, United States. (June 12, 2017 - June 15, 2017).

Workshop, "JWST proposal planning workshop," Space Telescope Science Institute, Baltimore, MD, United States. (May 15, 2017 - May 18, 2017).

Tutorial, "NAIC/NRAO 8th single dish and NAASC interferometry radio astronomy school," National Radio Astronomy Observatory, Greenbank, WV, United States. (July 5, 2015 - July 14, 2015).

Workshop, "8th Astro-statistics workshop," Penn State University, PA, United States. (June 4, 2012 - June 8, 2012).

Workshop, "X-ray astronomy school and CIAO workshop," CfA-Harvard, Boston, United States. (August 1, 2011 - August 6, 2011).

Conference Attendance, "Wittfest: Origin and Evolution of Dust," University of Toledo, Toledo, OH, United States. (October 2010).

Workshop, "10th Great Lakes Cosmology Workshop," University of Chicago, Chicago, IL, United States. (June 2010).

Conference Attendance, "National Symposium of Gamma Ray Astronomy," Indian Institute of Astrophysics, Bengaluru, India. (March 2008).

Conference Attendance, "Hinode X-ray telescope data analysis," Center for Astrophysics and Indian Institute of Astrophysics, Bengaluru, India. (July 2007).

Conference Attendance, "Young Astronomer's meeting," Indian Institute of Astrophysics, Bengaluru. (January 2007).

Conference Attendance, "International winter school on solar physics," Indian Institute of Astrophysics, Kodaikanal, India. (December 2006).

Workshop, "Summer school on Relativity and Fluid dynamics," Indian Institute of Astrophysics, Kodaikanal, India. (June 5, 2006 - June 24, 2006).

University Service

Member, Astronomy Club. (September 1, 2021 - Present).

Participant, 2023 Annular Solar Eclipse. (October 2023).

Speaker, Astronomy Day. (April 2013).

Member, Physics and Astronomy Camp. (July 2012).

Member, Girls in Science Workshop. (June 2012).

Member, Physics and Astronomy Camp. (July 2011).

Professional Service

Reviewer / Referee, The Astrophysical Journal. (January 2025 - Present).

Reviewer / Referee, Astronomy & Astrophysics Journal. (January 2024 - Present).

Member, American Astronomical Society, Washington DC. (September 2012 - Present).

Co-Chair, Indian Space Station, Bengaluru. (January 10, 2010 - January 10, 2015).

Public Service

Member, SPS-Physics week, San Marcos, TX. (October 2023).

Speaker, NASA Physics and Astronomy Camp, San Marcos, TX. (July 2023).

Volunteer, Physics workshop for school students- Texas State University, San Marcos, TX. (April 2023).

Speaker, Western Montana Astronomical Association Astronomy Club, Missoula, MT. (May 2021).