Mahesh C. Gandikota

mcgandikota@gmail.com Contact 611, Havemeyer Hall, Information 3000 Broadway, mcgandikota.github.io New York, NY 10027. Present Postdoc in the Cacciuto Group, EMPLOYMENT Department of Chemistry, Columbia University, New York, NY, USA. **EDUCATION** Ph.D., Physics, Syracuse University, Syracuse, NY, USA 2021 Thesis Advisor: Prof. J. M. Schwarz G.P.A.: 3.7/4.0 Integrated M.Sc., Physics, National Institute of Science Education 2015 and Research, Orissa, India Thesis Advisor: Prof. Somendra Bhattacharjee, Ashoka University, Haryana, India G.P.A.: 8.2/10.0 Twelfth grade board exam, National College, Bangalore, India 2010 Marks: 81% Tenth grade board exam, HJKP, Bangalore, India 2008 Marks: 97.4% EMPLOYMENT Postdoc, Department of Chemistry, Columbia University, NY, USA 2021-Present Research Assistant, Department of Physics, Syracuse University, NY, USA 2016-2021

Teaching Assistant, Department of Physics, Syracuse University, NY, USA
2015–2020
M. C. Gandikota and A. Cacciuto, "The crumpling transition of active tethered membranes",

Publications

- 7. <u>M. C. Gandikota</u> and A. Cacciuto, "The crumpling transition of active tethered membranes", Soft Matter, 19.28 (2023).
- 6. M. C. Gandikota and A. Cacciuto, "Rectification of confined soft vesicles containing active particles", Soft Matter, 19.2 (2023).
- 5. M. C. Gandikota and A. Cacciuto, "Effective forces between active polymers", Physical Review E, 105, 034503 (2022).
- 4. <u>M. C. Gandikota</u> Amanda Parker and J. M. Schwarz, "Rigidity transitions in zero-temperature polygons", Physical Review E, 106, 055003 (2022).
- 3. M. C. Gandikota and J. M. Schwarz, "Buckling without bending morphogenesis: Nonlinearities, spatial confinement, and branching hierarchies", New Journal of Physics, 23, 063060 (2021).
- 2. M. C. Gandikota, Katarzyna Pogoda, Anne van Oosten, T. A. Engstrom, A. E. Patteson, P. A. Janmey, J. M. Schwarz, "Loops versus lines and the compression stiffening of cells", Soft Matter, 16(18), 4389-4406 (2020).
- 1. S. Paul, M. C. Gandikota, "Fourier Transform of Electric Signal using Kundt's Tube", Student Journal of Physics, 6(2), 95-100 (2016).

	Mahesh C. Gar
Teaching	Recitations/S
Experience	PHY 216
	PHY 212
	PHY 211
	${f Labs}$
	AST 101,
	PHY 102
	Grading/Sub
	PHY 635
	PHY 360
	Guest Lectur
	CHEM G
Mentoring	Undergradua Alexandr
Languages	Human: Engl
	Computer: B
	Markup: LATE
	Operating Sy

AWARDS

Substitute Lecturer Spring & Fall 2017, Spring 2018 , General Physics II for honors and majors , General Physics II Spring & Fall 2016 , General Physics I Fall 2015 , Our Place in the Universe Fall 2020 , Major Concepts of Physics II Spring 2019, 2020 stitute Lecturer , Physical Cell Biology Fall 2018 , Vibrations, Waves and Optics Fall 2018 rer G4221, Statistical Thermodynamics Fall 2022 ate Students Summer 2016 ra Brown (REU program) lish (fluent), Hindi, Telugu (mother tongue), Kannada (native). Sash, C++, Python, MATHEMATICA. X, Markdown, HTML, CSS. ystem: Linux, Windows. Summer Graduate Fellowship, Soft Matter Program, Syracuse University **Summer 2017** Henry Levinstein Fellowship, Physics Department, Syracuse University **Summer 2016**

2015 All India Rank 24, Graduate Aptitude Test in Engineering (GATE) Summer Research fellow, Indian Academies of Sciences **Summer 2012 INSPIRE** fellowship, Department of Science and Technology, Government of India 2010-15

Conferences/ Northeast Complex Fluids and Soft Matter workshop, contributed talk. 2023 Workshops APS March Meeting, contributed talks. 2017, 2018, 2019, 2020 Soft Matter Summer School, University of Massachusetts, Amherst, poster. 2017

Professional Experiment Leader, Girls Science Day, Columbia University. 2023 ACTIVITIES AND SERVICE Organizer, Soft Matter Journal Club, Syracuse University. 2019-2020 Moderator, APS Conference for Undergraduate Women in Physics, Syracuse University. 2016 Volunteer, Photographer, Active and Smart Matter conference, Syracuse University. 2016

Volunteer, Science Day, annual joint outreach program to high school students,

NISER, IOP, Bhubaneswar. **2011, 2012, 2014**

NON-ACADEMIC ACTIVITIES President, Argentine Tango Club, Syracuse University.

Fall 2017 - Fall 2020

Editorial Board, Jignasa, annual magazine of NISER, Bhubaneswar.

2014

References

A. Cacciuto

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