Subekshya Bidari

University of Colorado Boulder
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Education

May 2022	**PhD Applied Mathematics**, *University of Colorado Boulder*, (Expected).
May 2020	**Masters of Science**, *Applied Mathematics*, University of Colorado Boulder.
May 2017	**Bachelors of Science**, *Mathematics*, Trinity College.
Fall 2015	**Budapest Semesters in Mathematics**, *Budapest, Hungary*.
Spring 2016	**Trinity College Dublin**, *Ireland*.

Teaching Experience

Fall 2017,2018	**Differential Equations Teaching Assistant**, *University of Colorado Boulder*.
Fall 2016	**Microeconomics Teaching Assistant**, *Trinity College Economics Department*.
Fall 2016	**Student Tutor**, *Trinity College Quantitative Center*.
2014, 2015	**Teaching Assistant Calculus I and II**, *Trinity College Mathematics Department*.

Presentations

June 2020	**Hive geometry shapes social information transfer in honeybee colonies**. SIAM Conference on Life Sciences (Virtual)
May 2019, Sept 2019	**Social inhibition maintains adaptivity and consensus of honey bees foraging in dynamic environments**. Poster at SIAM Applications of Dynamical Systems, Snowbird Mini-symposium, SIAM Northern States Annual Meeting, Wyoming
August 2018	**Optimizing flexibility in the collective decisions of honeybees**. Mini-symposium, SIAM Life Science, Minnesota Invited speakers Session, Mathfest, Denver
August 2016	**Modeling Influenza on a college campus using graphs of Social Networks**. Pi Mu Epsilon Student Paper Sessions, Mathfest, Columbus Undergraduate Capstone Conference, Mathematics Biosciences Institute, Ohio State University

Publications

2019	Bidari, Subekshya, Orit Peleg, and Zachary P. Kilpatrick. *"Social inhibition maintains adaptivity and consensus of foraging honeybee swarms in dynamic environments."* Royal Society open science 6.12 (2019): 191681.
2019	Bidari, Subekshya, and Eli E. Goldwyn. *"Stochastic models of influenza outbreaks on a college campus."* Letters in Biomathematics(2019): 1-14.
2016	Bidari, Subekshya, et al. *"Solvability of implicit final size equations for SIR epidemic model."* Mathematical biosciences 282 (2016): 181-190.

Fellowships and Awards

2019-2020	**AAUW International Doctoral Fellowship**, *$ 20,000*.
2017	**W.H. Russell Fellowship, Trinity College**, *$ 7,500*.

Professional Memberships

Association of Women in Mathematics

Society of Applied and Industrial Mathematics