STHITAPRAGYA RAY

DOB:05/12/1992
Phone: +91 9432575058
reach.sthito@gmail.com
sr35@iitbbs.ac.in

Mailing Address
1/21 Gandhi Colony,
P.O: Regent Park
Kolkata:700040

EDUCATION

Pursuing **PhD** in IIT Bhubaneswar in the School of Earth Ocean and Climate Sciences since July 2018

MSc Physics from NIT Jamshedpur — May 2017
CGPA:8.73
Thesis: "On low energy elastic alpha-alpha scattering"
Advisor: Dr Ujjwal Laha

BSc Physics, from Madras Christian College(Autonomous) — May 2014
CGPA:7.66 (in Major group)
Minored in Mathematics

Senior Secondary Education, from DPS, Ruby Park(CBSE) — May 2011
AISSCE Marks:82.4%
Subjects: English, Physics, Chemistry, Mathematics, Computer Science

Primary to Secondary Education, from South Point High School (WBBSE) — May 2009
Secondary Examination Marks:81.62%

PUBLICATIONS

Journal Papers Published

1) Ray, S., Swain, D., Ali, M. M., & Bourassa, M. A. (2022). Coastal Upwelling in the Western Bay of Bengal: Role of Local and Remote Windstress. *Remote Sensing*, *14*(19), 4703.

2) Ray, S., Swain, D., Patidar, G., & Jayaram, C. (2022). Comparison of SCATSAT-1 swath data with global in situ buoy winds. *Geocarto International*, 1-20.

3) Laha, U., Ray, S., Panda, S., & Bhoi, J. (2017). Laplace transforms of the Hulthén Green's function and their application to potential scattering. *Theoretical and Mathematical Physics*, *193*(1), 1498-1507.

Conference Proceedings

1) Ray, S., Moharana, S. S., & Swain, D. (2022, December). Coastal Ocean Response to Tropical Cyclone "Asani". In *Fall Meeting 2022*. AGU.

2) Ray, S., Swain, D., Patidar, G., & Jayaram, C. (2020, August). Intercomparison and Validation of Winds from Scatsat-1 and in situ Buoys. In *2020 XXXIIIrd General Assembly and Scientific Symposium of the International Union of Radio Science* (pp. 1-4). IEEE.

Professional Training

Specialised Course in Radio Astronomy
M.P. Birla Institute of Fundamental Research, Bangalore, February to March 2015

Online Outreach Programme on Advanced Image Analysis
Indian Institute of Remote Sensing, June 2018

Professional Affiliations

IIT Bhubaneswar, April 2018 - July 2020
Junior Research Fellow on ISRO project titled "Estimation of Upwelling Indices and study of propagating ocean fronts in the Indian and Global Oceans utilizing SCATSAT-1 gridded wind fields" from April 2018 to April 2020
Senior Research Fellow from May 2020 to July 2020

Paathshala Education, November 2014 - January 2015
Academic Associate (Intern).

Languages

Bengali: Native Language

English: Advanced Reading, Writing, Listening and Speaking.

Hindi: Intermediate Listener and Speaker, Novice Reading and Writing.

Programming Skills

Platforms: C, Matlab, Fortran.

Specialization: Earth data analysis on Matlab

References

Available on request.