

KAUSHAL GIANCHANDANI
Ph.D. student in Oceanography

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EDUCATION

Ph.D. in Oceanography Oct 2017 – present
Hebrew University of Jerusalem, Israel (HUJI)
Thesis: The physical-biogeochemical dynamics of snowball Earth conditions
Advisors: Prof. Hezi Gildor, Prof. Yosef Ashkenazy and Prof. Eli Tziperman

Integrated B.Sc. - M.Sc. in Physics Aug 2012 – May 2017
National Institute of Science Education and Research (NISER), Bhubaneswar
Thesis: Transition to turbulence in subcritical baroclinic flows
Advisor: Dr. Antoine Venaille

WORK EXPERIENCE

Teaching Assistant, Institute of Earth Sciences, HUJI Oct 2020 – Jan 2021
Course: [Mathematical Methods in Scientific Models](#)
Research Assistant, Institute of Earth Sciences, HUJI Oct 2017 - present
Summer Intern, École Normale Supérieure de Lyon (ENS de Lyon) May – Jul 2016
Summer Research Fellow, Institute of Mathematical Sciences (IMSc), Chennai Jun – Jul 2015
Summer Intern, Indian Institute of Science Education and Research (IISER), Kolkata May – Jul 2014
Summer Intern, NISER Bhubaneswar May – Jun 2013

PUBLICATIONS

[2] **Gianchandani, Kaushal**, Hezi Gildor, and Nathan Paldor. "[On the role of domain aspect ratio in the westward intensification of wind-driven surface ocean circulation.](#)" *Ocean Science Discussion*, in review, (2020).

[1] Campisi-Pinto, Salvatore, **Kaushal Gianchandani**, and Yosef Ashkenazy. "[Statistical tests for the distribution of surface wind and current speeds across the globe.](#)" *Renewable Energy* 149 (2020): 861-876.

AWARDS AND HONORS

PhD scholarship 2017 – present
Sponsor: Faculty of Natural Sciences, Hebrew University of Jerusalem, Israel
Summer Research Fellowship May – Jul 2016
Sponsor: Centre National de la Recherche Scientifique (CNRS)
Physics Summer Research Fellowship Jun – Jul 2015
Sponsor: IMSc, Chennai
Innovation in Science Pursuit for Inspired Research (INSPIRE) Fellowship 2012 - 2017
Sponsor: Department of Science and Technology (DST), Govt. of India
Best Student award, St. Gregorios Senior Secondary School, Udaipur 2012

SCHOOLS AND CONFERENCES ATTENDED

Conferences

Wave Dynamics and Climate workshop	Talk	Sep 2019, Eilat, IL
The Israeli Association For Aquatic Sciences' 15th Annual Meeting	Talk	Mar 2019, Haifa, IL
EPScon 2019	Poster	Mar 2019, Rehovot, IL
GFD Days 2019	Poster	Jan 2019, Sede Boqer, IL
Ice, Oceans and Atmospheres on Earth and Elsewhere		May 2018, Rome, IT
10th Conference on Nonlinear Systems and Dynamics	Poster	Dec 2016, Kolkata, IN

Schools

Summer School on Fluid Dynamics of Sustainability & the Environment	Poster	Sep 2018, Cambridge, UK
10th Winter School on Astroparticle Physics		Dec 2015, Darjeeling, IN

PROFESSIONAL MEMBERSHIPS

The New York Academy of Science	Oct 2020 – Oct 2021
The Oceanography Society	Apr 2019 - present
Israeli Association for Aquatic Sciences	Mar 2019 - present

COMPUTER SKILLS

Languages:	Python, C++, HTML, Bash, Fortran
Packages:	MITgcm, (py)ferret, pyqg, Latex, gnuplot
Software:	MATLAB, Mathematica
Operating systems:	Microsoft Windows, Ubuntu, Fedora and other Linux based OS.