

**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 Physical Sciences** 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**

**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: Institute of Mathematical Sciences (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
Statphys26		Jul 2016, Lyon, FR

**Schools**

Summer School on Fluid Dynamics of Sustainability & the Environment  
10th Winter School on Astroparticle Physics

Poster

Sep 2018, Cambridge, UK  
Dec 2015, Darjeeling, IN

### **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.