

KAUSHAL GIANCHANDANI
Ph.D. student in Oceanography

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EDUCATION

Ph.D. Oceanography Oct 2017 – present
Hebrew University of Jerusalem, Israel (HUJI)
Thesis: The physical-biogeochemical dynamics of snowball Earth conditions

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

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](#)." accepted for publishing in *Ocean Science* (2021).
- [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.

HONORS AND AWARDS

Innovation in Science Pursuit for Inspired Research (INSPIRE) Fellowship Oct 2020
Sponsor: Department of Science & Technology (DST), Govt. of India

Summer Intern Fellowship May – Jul 2016
Sponsor: Université de Lyon

Physics Summer Research Fellowship Jun – Jul 2015
Sponsor: Institute of Mathematical Sciences (IMSc), Chennai

Best Student award, St. Gregorios Senior Secondary School, Udaipur 2012

EMPLOYMENT HISTORY

Research Assistant, Institute of Earth Sciences, HUJI Oct 2017 – present

Teaching Assistant, Institute of Earth Sciences, HUJI Oct 2020 – Jan 2021
Course: Mathematical Methods in Scientific Models

Summer Intern, École Normale Supérieure de Lyon (ENS de Lyon) May – Jul 2016
Project Title: Transition to turbulence in subcritical baroclinic flows (cont. as Master's thesis)

Summer Research Fellow, IMSc, Chennai Jun – Jul 2015
Project Title: Binary logic using spatially patterned deaths in chemical oscillators

Summer Intern, Indian Institute of Science Education and Research – Kolkata May – Jun 2014
Project Title: Bouncing ball(s) experiment: Time series analysis using Wavelets and EMD

CONFERENCES, SCHOOLS and WORKSHOPS

Conferences

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| 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

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| Summer School on Fluid Dynamics of Sustainability & the Environment | Poster | Sep 2018, Cambridge, UK |
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PROFESSIONAL MEMBERSHIPS

The New York Academy of Science
The Oceanography Society
Israeli Association for Aquatic Sciences

Oct 2020 – Oct 2021
Apr 2019 – present
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 OSs.