

Kaushal GIANCHANDANI

Curriculum Vitae

Affiliation: Fredy and Nadine Herrmann Institute of Earth Science, Hebrew University of Jerusalem, Israel
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RESEARCH INTERESTS

(Physical & Paleo-)Oceanography, Nonlinear Dynamics, Time series analysis

EDUCATION

2017 - present	Ph.D. in Oceanography <i>Hebrew University of Jerusalem, Israel</i> Thesis: The physical-biogeochemical dynamics of snowball Earth conditions. Advisors: Prof. Hezi Gildor, Prof. Yosef Ashkenazy & Prof. Eli Tziperman	89/100
2012 - 17	Integrated M.Sc. in Physical Sciences <i>National Institute of Science Education and Research (NISER) Bhubaneswar</i> Thesis: Transition to turbulence in subcritical baroclinic flows. Advisor: Dr. Antoine Venaille	7.41/10.00

WORK EXPERIENCE

May - Jul 16	Summer Intern at <i>École Normale Supérieure de Lyon</i>
Jun - Jul 15	Summer Research Fellow at <i>Institute of Mathematical Sciences, Chennai</i>
May - Jul 14	Summer Intern at <i>Indian Institute of Science Education and Research - Kolkata</i>
May - Jul 13	Summer Intern at <i>NISER, Bhubaneswar</i>

PUBLICATION(S)

- [1] Salvatore Campisi-Pinto, **Kaushal Gianchandani**, and Yosef Ashkenazy. Statistical tests for the distribution of surface wind and current speeds across the globe. *Renewable Energy*, 149:861 – 876, 2020.
- [2] **Kaushal Gianchandani**, Shakti N Menon, and Sitabhra Sinha. Binary logic using spatially patterned deaths in chemical oscillators. In *Conference on Nonlinear Systems & Dynamics IISER Kolkata*, volume 16, page 18, 2016.

SCHOOLS AND CONFERENCES ATTENDED

Conferences

Sep 19	Wave Dynamics and Climate workshop in Eilat, IL	(Talk)
Mar 19	The Israeli Association For Aquatic Sciences' 15th Annual Meeting in Haifa, IL	(Talk)
Mar 19	EPScon 2019 in Rehovot, IL	(Poster)
Jan 19	GFD Days 2019 in Sede Boqer, IL	(Poster)
May 18	Ice, Oceans and Atmospheres on Earth and Elsewhere in Rome, IT	
Dec 16	10th Conference on Nonlinear Systems and Dynamics in Kolkata, IN	(Poster)
Jul 16	Statphys26 in Lyon, FR	

Schools

Sep 18	Summer School on Fluid Dynamics of Sustainability & the Environment in Cambridge, UK	(Poster)
Dec 15	10th Winter School on Astroparticle Physics in Darjeeling, IN	

AWARDS AND HONOURS

2017 **PhD scholarship** sponsored by Faculty of Natural Sciences, Hebrew University of Jerusalem, Israel from October 2017 - present.

- 2016 **Summer Intern Fellowship** sponsored by Centre National de la Recherche Scientifique (CNRS) from May - July 16.
- 2015 **Physics Summer Research Fellowship** sponsored by Institute of Mathematical Sciences, Chennai from June - July 15.
- 2012 **Innovation in Science Pursuit for Inspired Research (INSPIRE) Fellowship** sponsored by Department of Science and Technology from August 12 - June 17
- 2012 **Best Student award** at St. Gregorios Senior Secondary School, Udaipur.

COMPUTER SKILLS

Languages: Python, C++, HTML, Bash, Fortran
Packages: MITgcm, (py)ferret, pyqg, \LaTeX , gnuplot
Software: MATLAB, Mathematica