

## RESEARCH INTERESTS

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

## EDUCATION

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

## WORK EXPERIENCE

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| 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)

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- [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

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### Conferences

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| 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

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| 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

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| 2017 | <b>PhD scholarship</b> sponsored by Faculty of Natural Sciences, Hebrew University of Jerusalem, Israel from October 2017 - present. |
| 2016 | <b>Summer Intern Fellowship</b> 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

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