

Ankit Deshmukh

ASSISTANT PROFESSOR

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BRIEF BIO-SKETCH

I am currently working as an assistant professor in the Department of Civil Engineering at Pandit Deendayal Energy University, Gujarat, India. I have obtained a doctoral degree in Water resources from the Indian Institute of Technology, Hyderabad (Jan 2021). My fields of interest are Computational Hydrology, water resource management, and understating the catchment response under anthropogenic changes. In my doctorate, I worked on the approaches to identify the catchment vulnerability to environmental changes. My current research focuses on the development of a Physio-climatic catchment characteristics dataset for the Indian subcontinent that can be utilized for prediction in the ungauged basins. I possess a strong understanding of GIS processing, and efficient in Geo-spatial analysis. I am highly motivated in the field of data analysis (finding meaningful insights in data), skilled in programming with R, MATLAB, and Python scripting, and looking for inter-disciplinary research opportunities and collaboration. I am a passionate learner and trying to be a better teacher.

ASSISTANT PROFESSOR

- Weekly dietary counseling sessions for healthy subjects, as well as lectures about general nutrition topics.
- This is some onter entry

Student Welfare Organization in
Oslo (SiO)
2012 - 2013

ASSISTANT

- Examination of individuals with sleep disorders (using polysomnography).

The Sleep Laboratory, Lovisenberg
Diakonale Sykehus (LDS)
2011 - 2013

Education

University Education and Authorization

Indian Institute of Technology Hyderabad

Hyderabad, India

DOCTOR OF PHILOSOPHY (Ph.D.)

2016-2021

- Supervisors: Prof. Kirsten B. Holven (main supervisor), PhD, Prof. Kjetil Retterstøl, MD, PhD, and Prof. Leiv Ose, MD, PhD. Title of doctoral thesis: Early life cholesterol exposure in children with familial hypercholesterolemia and healthy children (approved 30.05.2017, defended 21.08.2017).

Indian Institute of Technology Hyderabad

Hyderabad, India

MASTER OF TECHNOLOGY

2014-2015

Bansal Institute of Science and Technology

Bhopal, India

BACHELOR OF ENGINEERING

2009-2013

Selected Courses

2020-2020 Leadership course 1: Career development
2019-2019 DataCamp E-Courses
2019-2019 Workshop: Applied Machine Learning
2014-2014 MF9115 - Helseforskningsrett; Etikk og personvern
2014-2014 MF9130 - Introduction to statistics

University of Oslo
DataCamp
RStudio
UoO, OUH, NIPH
University of Oslo

Work Experience

Professional Positions

Student Welfare Organization in Oslo (SiO)

ASSISTANT PROFESSOR

Oslo, Norway

2012 - 2013

- Weekly dietary counseling sessions for healthy subjects, as well as lectures about general nutrition topics.
- This is some onter entry

Other Positions

The Sleep Laboratory, Lovisenberg Diakonale Sykehus (LDS)

ASSISTANT

Oslo, Norway

2011 - 2013

- Examination of individuals with sleep disorders (using polysomnography).

Publications

Scientific Publications

1. Singh, R., Sai, V., & Deshmukh, A. (2017). Assessing the vulnerability of water availability across India to climate change and interlinking of rivers. In *Sustainable Holistic Water Resources Management*. M/S Jain Brothers, New Delhi.
2. Deshmukh, A., & Singh, R. (2016). Physio-climatic controls on vulnerability of watersheds to climate and land use change across the U. S.: CONTROLS ON VULNERABILITY. *Water Resources Research*, 52(11), 8775–8793. <https://doi.org/10.1002/2016WR019189>
3. Deshmukh, A., & Singh, R. (2019). A Whittaker Biome-Based Framework to Account for the Impact of Climate Change on Catchment Behavior. *Water Resources Research*, 55(12), 11208–11224. <https://doi.org/10.1029/2018WR023113>
4. Deshmukh, A., & Kumari, S. (2022). The impact of climate change on meteorological drought across the Indian sub-continent. *18th Annual Meeting of the Asia Oceania Geosciences Society*, 88–90. https://doi.org/10.1142/9789811260100_0030

Other Publications

Grants and Awards

Award

BEST ARTICLE 2016

Throne-Holst stiftelse

05/2017

- Christensen JJ J Clin Lipidol 2016 (shared)
- Christensen JJ J Clin Lipidol 2016 (personal)

Travel grant

COURSE TRAVEL GRANT

NuGO

02/2017

- Travel grant to participate at the course 'Introduction to nutritional metabolomics' in Copenhagen, Denmark

Travel grant

CONFERENCE TRAVEL GRANT

ISA

02/2015

- Travel grant to participate at the 17th International Symposium on Atherosclerosis (ISA 2015) in Amsterdam, the Netherlands

Previous Grant Support

THE STORK CHILDREN PROJECT

Mills DA (1 kr til Hjertesaken)

04/2015

- To examine the long-term effect of in utero hypercholesterolemic, pro-thrombotic and pro-inflammatory environment on risk markers of disease in children 6-12 years after birth.

Presentations

Invited Presentations

NORDIC METABOLOMICS SOCIETY WORKSHOP AND THRONE HOLST SYMPOSIUM (FACULTY OF MEDICINE)

10/2019

- Diet-derived fruit and vegetable metabolites suggest sex-specific mechanisms conferring protection against osteoporosis in humans

DEPARTMENT SEMINAR (INST. INTERNAL MEDICINE, OUH)

01/2018

- Statistics and bioinformatics for translational research

THRONE HOLST STIFTELSE FESTAFTEN (DEPARTMENT OF NUTRITION)

05/2017

- LDL cholesterol in early pregnancy and offspring cardiovascular disease risk factors

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| ERNÆRINGSUTDANNINGEN 50 ÅR (DEPARTMENT OF NUTRITION) | 11/2016 |
| • Hva har ernæringsutdanningen betydd for meg? (What did my training in nutrition and dietetics mean to me?) | |
| NUGO WEEK (COPENHAGEN, DENMARK) | 09/2016 |
| • High maternal LDL-C in pregnancy and offspring CVD risk factors at 6-13 years | |
| THRONE HOLST STIFTELSE FESTAFTEN (DEPARTMENT OF NUTRITION) | 05/2016 |
| • What is the impact of maternal inheritance of FH on lipids and CRP in children with FH? | |

Other Contributions

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| SEMINARS | 2016-2020 |
| • 4 contributions for Department Seminar at Department of Nutrition; Department of Immunology | |
| POSTERS | 2014-2019 |
| • 13 contributions for The American Society for Bone and Mineral Research Conference, Scandinavian Society of Atherosclerosis Research (SSAR) Conference, Throne Holst Stiftelse Festaften, Norwegian Association of Clinical Dietitians (KEFF) Conference, Nordic Nutrition Conference (NNC), International Atherosclerosis Society (IAS) at Orlando, FL, USA; Humlebæk, Denmark; Department of Nutrition; Oslo, Norway; Gothenburg, Sweden; Amsterdam, The Netherlands | |
| MODERATED POSTERS | 2017-2017 |
| • 1 contributions for European Atherosclerosis Society (EAS) at Prague, Czech Republic | |

Activities

Educational Activities

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| MASTER'S CO-SUPERVISOR (PANDIT DEENDAYAL ENERGY UNIVERSITY, GANDHINAGAR) | 07/2020 - Present |
| • Co-supervision together with Stine Ulven (main supervisor) and Inger Ottestad. | |
| MASTER THESIS OPPONENT (PANDIT DEENDAYAL ENERGY UNIVERSITY, GANDHINAGAR) | 05/2020 - Present |
| • External sensor for a data science-oriented Master Thesis. | |
| GROUP TEACHING (LSB) (PANDIT DEENDAYAL ENERGY UNIVERSITY, GANDHINAGAR) | 04/2020 - 06/2020 |
| • LSB teaching for nutrition students. Topics: molecular biology, cell biology, and the like. | |
| RESEARCH SEMINAR (PANDIT DEENDAYAL ENERGY UNIVERSITY, GANDHINAGAR) | 03/2020 - Present |
| • Weekly gettogether in the form of a short 'kollokvie'; see github.com/jacobjchristensen/research-seminars . | |
| WORKSHOP (PANDIT DEENDAYAL ENERGY UNIVERSITY, GANDHINAGAR) | 12/2019 - 12/2019 |
| • Hands-on session of data science topics: data analysis, data visualizations, forestplots, and R in general. | |
| GROUP TEACHING (PANDIT DEENDAYAL ENERGY UNIVERSITY, GANDHINAGAR) | 09/2016 - 11/2016 |
| • Clinical communication skills, teaching for under-graduate students. | |
| LECTURE (PANDIT DEENDAYAL ENERGY UNIVERSITY, GANDHINAGAR) | 2014 - 2016 |
| • 3 contributions: Short introduction lecture for new students in nutrition and dietetics. | |

Service Activities

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| CRITERIA - 7 CONVANER FOR NBA | 01/2021-01/2022 |
| • Pandit Deendayal Energy University, Gandhinagar | |
| LEADER KEFF NOMINATION COMMITTEE | 03/2019-03/2019 |
| • Pandit Deendayal Energy University, Gandhinagar, Gujarat, India | |
| MEMBER OF ORGANIZING COMMITTEE FOR SSAR 2019 | 04/2018-04/2019 |
| • Scandinavian Society of Atherosclerosis Research (SSAR) Conference | |

Editorial Activities

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| PEER REVIEW ACTIVITIES | 2021 - 2021 |
| • Nutrition, Metabolism and Cardiovascular Diseases | |