

MAYA DODHIA

Email: Maya.dodhia@gmail.com Contact number: +4593959096

EDUCATION

09/2018 –
PRESENT

PhD Fellow - Geomicrobiology

IGN, University of Copenhagen, Copenhagen, Denmark

Investigating the interactions between marine plastic pollution and the environment in 'hotspot' areas.

MSc Climate Change

University of Copenhagen, Copenhagen, Denmark

Modules:

Climate Change, Impacts Adaptation and Mitigation; Climate Change and Water Resources; Toxicology and Ecotoxicology; Climate Solutions; Motivation and Pro-Environmental Behaviour; Field and Methods (Vietnam); Climate Change and Biodiversity;

Coursework/Projects:

- Thesis: Plastic degradation in changing seas, an investigation into the intersection of the role of marine plastic and climate change.
- Greenhouse gas accounting report including baseline emissions inventory and recommendations for Kalvebod Fælled Skole kitchens.
- Hydrological future report of the Ahlergaarde Catchment, Denmark – produced and analysed a set of combined future climate and hydrological models to simulate the effects of climate change on the region.
- Analysis of the 'Plastisphere' in Nha Phu Bay, Vietnam – Field, lab, and data analysis project looking at micro-organisms and potential degradation of plastic pollution in aqueous environments.
- Synthesis group literature review and report on the impacts of climate change on tropical coral reefs and current adaptation measures.

09/2014 –
08/2017

BSc Earth Science

Imperial College London, London, United Kingdom

Result: *Second Class Honours Upper Division (2:1) / GPA 3.30*

Modules:

Corporate Finance; Mathematics & Statistics; Climate & Biogeochemistry; Earth Resources; Mining Waste and Water Management; Environmental Geochemistry; Earth Systems; Remote Sensing and GIS; Programming (Python);

Coursework/Projects:

- Produced a publication-standard dissertation synthesising recent knowledge of the biogeochemistry of Zinc in the ocean.
- Temporal and spectral study of the Cabo de Gata Coastal Zone investigating changing land-use patterns with a focus on the growth of 'Plasticulture' in the Almeria region of Southern Spain.
- Spent 30 days in the field collecting, evaluating and interpreting geological field data, producing several small geological field maps and cross sections.
- Generated a fair valuation of the S&P 500 Index using the Dividend Discount Model to assess Ryanair's fuel hedging strategy.

Activities and Societies:

Imperial College Union (ICU) Women's Squash; ICU Boxing Society; Leonardo Fine Art's Society; ICU Kenyan Society; Royal School of Mines Women's Hockey

WORK EXPERIENCE

- 09/2020 – 11/2020** ● **Research Assistant**
University of Copenhagen /DTU /DHRTC , Copenhagen, Denmark
- Research project linking microbial methane processes with nano-catalysts in the North Sea oil reservoirs
- 11/2018 – 11/2019** ● **Co-founder and Events Coordinator**
People Of 2050, Copenhagen, Denmark
- Developed and planned an informative event raising awareness about Climate Change and advances in climate science.
 - Managed organisation of logistics, supported the development of potential projects and provided direction through initial development stages.
- 12/2017 – 04/2018** ● **Project Assistant**
Jangli Organic farms, Kathmandu, Nepal
- Researched, developed and implemented a small-scale vermiculture project thereby reducing costs, increasing efficiency and increasing self-sustenance.
 - Forged new connections with both the local and expatriate community.
 - Designed a new logo for the current operations.

POSITIONS OF RESPONSIBILITY

- 09/2018 – PRESENT** ● **Bar Command and Bartender**
Down Wonder, Copenhagen, Denmark
- Manage the bar, volunteers and increased available budget by 15%.
 - Organised, planned, and executed monthly themed events to increase sales.
 - Upheld customer satisfaction and engagement during high pressure events such as concerts and festivals, amid distractions and interruptions.
 - Strengthened communication and persuasion skills.
- 09/2015 – 06/2017** ● **Vice President**
Imperial College East African Society, London, United Kingdom
- Created a warm, welcoming environment for international students from East Africa and provided mentorship and support in and out of academia.
 - Increased membership by 25% over two years.
 - Orchestrated individual and joint events with other universities.
 - Managed communication and SoMe of the society.

INTERESTS

- **Mountaineering**
 - Attempt on Mt. Everest during AS Level year (2012) spending approximately 50 days on expedition with a team from around the world.
 - Summited peaks including Island Peak (6139m), Lobuche East (6145m) Ramdung and Yalung Ri (Himalayas) and Mt. Kenya (4985m).
 - Climbed Alpine routes, including setting a new route in the Chamonix region.
- **Sports**
 - Walk with Rangers Expedition - Trekked 275 km from the Tanzanian border to Nairobi to raise awareness about elephant poaching and conservation.
 - 1st XI Women's Hockey Team Goal Keeper (2012-2014) - Winners of the Kenyan international schools hockey league (2014).
 - President's Award: Bronze, Silver and Gold (Duke of Edinburgh equivalent)

SKILLS

- **Technical skills:**
Microsoft Office Suite, Python, LaTeX, Adobe Illustrator, Adobe Photoshop, Inkscape, ArcGIS, ER Mapper
- **Languages:**
English (Native), Spanish (Elementary), Gujarati (Limited), Kiswahili (Elementary)