

Judi Lax

I'm a Ph.D. student in The Porter School of the Environment and Earth Science. My research is in the field of 'Hygro-Electricity' – attempting to harvest atmospheric humidity as a source of energy, due to an interesting phenomenon of charge partitioning on isolated metal surfaces exposed to high RH conditions. The research investigation focuses on finding suitable metals or other surfaces to try to harness the potential in order to charge small electric devices. Besides the experimental part, the research is also focused on spacial and temporal mapping of the RH conditions in the largest cities in the world.

As well as being a researcher, I'm a certified 'Climate Reality Leader' - one of the thousands of volunteers around the globe who have been personally trained by former US Vice President Al Gore, to educate the public about the climate crisis. I'm also the scientific curator of the new exhibition in Steinhart Museum of Natural History - 'Global Warning: the climate, the crisis and us'. It is my passion to educate about climate change and renewable energies, as well as keep learning and evolving in this field, and last but not least – be an active researcher in earth sciences – all in order to be entirely invested in and help battle what I believe is one of humanity's greatest challenges.

Judi holds a master's degree In Environmental studies from Tel Aviv University, an M.B.A from the Open University and a Bachelor's degree in geophysics, atmospheric and space sciences from Tel Aviv University. Together with both her PI's – Prof. Colin Price and Prof. Hadas Saaroni, Judi is the author of an article about [hygro-electricity](#).