

Per your request please find some more info on my Professional biography:

1981-2: working in Judean desert (Israel) – Study the leopard ecosystem by using Radio Telemetric system (\*)

1983-1985- BSc in Biology in the Hebrew University of Jerusalem

1985-1988- MSc in the department of Genetic – Hebrew University of Jerusalem and Organic Chemistry department of the Weizmann institute. Study molecular process of Small Nuclear RNA.

1989-1993- PhD on Ecology and toxicology of Jellyfish in the Mediterranean. The study was a collaboration between Hebrew University of Jerusalem and Tel Aviv University. Fund by the united Nation the work was involve with collaboration of Dr. Lotan with Marine science from all the East Mediterranean include Marine scientist from Syria, Lebanon (Hostile territories) Turkey Cyprus Egypt.... The ecological part of this work was involve with developing **a model to forecast the distribution of new emigrant jellyfish into the Mediterranean**. The model is confirmed after 15 additional years of observation.

1993-1995- **Isolating Jellyfish toxin** (first time as scientific record) to the level of primary structure and use it to understanding the mechanism of Jellyfish toxin delivery system. This study was published in Nature.

1995-1998 Post doctorate research on recombinant toxin and there possible implication on environment. This work was conducted at UC Davis California.

1995-1998 study the interaction of Snail with Sea anemones at Bodega Bay and its influence on **stinging mechanism of cnidarian**.

1998-2000 Established **Nidaria technology** for the development of Safe Sea- **protection of human body against sun and Jellyfish sting**. Project was fund by the Israeli chief of sciences and got awards of excellence of the chief of science for year 2000.

2002-2002 In collaboration with US navy I conducted **a clinical tests on a worldwide scale for the protection of Safe Sea against jellyfish sting include testing Safe Sea in the Mediterranean**, The Atlantic ocean, the pacific ocean and the Indian ocean. The clinical was tested Safe Sea protection against dangerous Jellyfish like Box Jellyfish. Clinical operation took places in leading medical centers like Stanford Hospital CA and in a field test along Florida and Latin America coast.

2000-2007 – involve with establishing Nanocyte – Biotechnology Company that is aim to use Jellyfish sting (Nano injection system) mechanism to inject medical and cosmetics active under the outer layers of the skin. (\*\*)

2011-2012- Patented new technology for using algae to prevent sun burn and to develop alternative sunscreen to current technology.

2009-2011- Established an interuniversity course in IUI (Inter University Institute) in the Red Sea Eilat. The course is for Ma and PhD student from Israeli Universities, devoted for the study of the Chemistry and the physics behind the Jellyfish and Coral stinging mechanism.

2012-2014 Established new entities [www.walkonwaterkayak.com](http://www.walkonwaterkayak.com) aiming to provide experiences of the beginning of the Christianity via paddling on the Sea of Galilee and to use the influence of touristic economic benefits to promote dialogs between Christian, Muslims and Jewish.

2014- Invited as a key note spikier to The 1st Asian Water Safety Conference in South Korea - <http://www.rip-symposium.org> for the discussion of Jellyfish sting and possible prevention.

2013-2015 Continues projects in developing sunscreen products for Pharmaceutical companies

Major Hobbies- Long distance treks (Everest, Sierra Nevada, Patagonia ), Paddling, Sailing, history archeology and above all science.