

## Yossi Loya – CV highlights (June 2023)

For full CV see : <http://en-lifesci.tau.ac.il/profile/yosiloya>

**Professor Emeritus of Marine Ecology**  
**Department of Zoology, Tel Aviv University**  
**Tel Aviv, 69978 Israel**

**Date of birth:** 23 May, 1942  
**Place of birth:** Plovdiv, Bulgaria  
**Year of immigration:** 1944  
**Zahal, Military Service:** 1960-1962  
**Marital Status:** Married to Shosh Loya  
**Children:** Yael, Shay and Assaf



### ➤ Education, Academic and Professional Experience:

- **B.Sc.** - Biology, Tel Aviv University (TAU); (1962-1965);
- **M.Sc.** - Dept. of Zoology, *cumma sum laude*, TAU, (1965-1967);
- **Ph.D.** - Dept. of Ecology & Evolution, State University of New York at Stony Brook, N.Y (1967-1971);
- **Post-doctorate** - Marine Ecology, Woods Hole Oceanographic Inst., Mass. (1971-1972).
- **Faculty member-School of Zoology, TAU:**
- **Lecturer** (1972-1976).
- **Senior lecturer** (1976-1980).
- **Associate Professor** (1980-1986).
- **Full Professor**-(1986-2011).
- **Professor Emeritus** (since 2011).
- **Chairman** - The Zoological Society of Israel (1977-1979);
- **Chief Scientist**- Ship expeditions to the Southern Red Sea (1980, 1982, 1984, 1986, 1988, 1991);
- **Chairman** - Dept. of Zoology, TAU (1988-1989).
- **Dean** - Faculty of Life Sciences, TAU (1990-1995).
- **Director**- The Porter Center for Ecological and Environmental Studies (1995-2000).
- **Endowed Chair- Raynor Professor** for Environmental Conservation Research (TAU) (1997-2012).
- **Adjunct Professor – Center of Excellence** for Coral Reef Studies James Cook Univ., Townsville, Australia (2008- 2018);
- **Member of Israel Academy of Sciences and Humanities (since 2009).**

### ➤ Visiting Professor:

- The Australian Institute of Marine Science (AIMS) and James Cook Univ. (JCU) of North Qld. Dept. of Marine Ecology (*Senior Queen Elizabeth Fellow*) (1979-1980).
- **Scripps** Inst. of Oceanography La Jolla, San Diego USA (1985-1986).
- **University of the Ryukyus**, Tropical Biosphere Research Center, Okinawa, Japan (during June, July, and August of 1995, 1997, 1999, 2004, 06, 07, 08, 09, 10, 12, 14, 16, 17, 18).
- University of California Los Angeles (UCLA), Dept. of Ecology and Evolution (2007-2008).
- **Center of Excellence** for Coral Reef Studies, James Cook Univ., Townsville, Australia (2009)

### ➤ Tel Aviv University Administrative Duites:

- **Dean** - Faculty of Life Sciences, TAU (1990-1995).
- **Member** - Board of Governors (1990-1995); TAU Central Committee (composed of Faculty Deans, Rector and President (1990-1995); Board of Trustees (1990-2002); TAU High Academic Nomination Committee (2004-2007).

### ➤ Israeli Academic Advisory Bocards:

- **Member** - Scientific advisory board Nature Protection Authority, Israel (1980-1985); Israel Academy of Science- Basic Research Foundation: (1986-1991); Israeli Ministry of Science: Germany-Israel Marine Biology Program (1995-1999); Israel Science Foundation (Ecology committee): (1997-1999, 2007, 2012, 2014).
- **Chair** - **Board of Directors**- Inter-Univ. Inst. of Marine Sciences (IUI), Eilat (1995-1999).
- **Member** - **Advisory Board: Batsheva de Rothschild Fund** for the Advancement of Science in Israel (2012-1015).
- **Chair** **The National Natural History Collections** under the auspices of the Israeli Academy of Sciences (Since 2012)
- **Chair** - **Advisory Board: Batsheva de Rothschild Fund for the Advancement of Science in Israel** under the auspices of the Israeli Academy of Sciences (since 2016-).

### ➤ International Scientific Committees:

- **Member of the Scientific Organizing Committee of the International Coral Reef Symposia:**

3<sup>d</sup> ICRS Miami, Florida (1977); 4<sup>th</sup> ICRS: Philippines (1981); 5<sup>th</sup> ICRS: Tahiti (1985); 6<sup>th</sup> ICRS; Australia (1988); 7<sup>th</sup> ICRS: Guam, June (1992).

- **Council Member** – The International Society for Reef Studies (ISRS) – (1982-1992).
- **Head** – The **Israeli Scientific Delegation to the UN Conference** on Environmental Development (UNCED) Rio-de Janeiro, Brazil - (1992).
- **Member** - **The Israeli scientific delegation to the Israel-Jordan Peace Talks** establishing the Red Sea Marine Park Aqaba, Jordan (1993-1994).
- **Chair** - The Israeli Man and the Biosphere (MAB) Committee, UNESCO (1993-2000).
- **Chair and Organiser** – 2<sup>nd</sup> International Mesophotic Coral Reef Workshop ; Oct. 26-31, 2014. Inter-University Institute (IUI), Eilat, Israel

#### ➤ International Advisory Boards and Working Groups:

- **Member** - The Scientific Review Board, **Oil Spill Project**, Smithsonian Tropical Research Institute (STRI, Panama) – (1986-1991).
- **Member** - The **Advisory and Review Board** of the Research Institute of the Subtropics, Okinawa Japan (Coral bleaching project) (2002-2006).
- **Co-Chair**- GEF/IOC/World Bank **Working Group on Coral Bleaching** (2004- 2011).
- **Chair**- Israeli Scientific Committee for Oceanic Research (SCOR)
- **Chair**- **Scientific Board of the Australian Research Council (ARC) Center of Excellence for Coral Reef Research (2006- 2015).**

#### ➤ Founding Editor – the journal “Coral Reefs” (Biology Section) Springer-Verlag (1982-1986)

#### ➤ Prizes:

- **Senior Queen Elizabeth Fellow(79-80):** Australian Inst. of Mar. Sci. and James Cook Univ. of N. Qld.
- **The Darwin Medal (Millennium Year -2000):** The most prestigious prize of the International Society for Coral Reef Studies (ISRS) awarded once every four years, "*for life contribution to coral reef research*".
- **The Landau Prize (2003):** Awarded, together with Professor E. Rosenberg (TAU) by Mifal Ha'pais for "*original outstanding research contribution to the field of Ecology and Environmental Quality*".
- **Honorable membership in the Israel Society of Zoology (2011):** "*in recognition of his important contribution to research, teaching, education and nature conservation*".
- **EMET Prize in Exact Sciences: Environmental studies (2015):** "*for his pioneering and groundbreaking achievements in coral-reef research and for his seminal contribution in developing quantitative methodologies for assessment of biodiversity and health of coral communities and significant contribution to the knowledge of their reproductive strategies*".
- **The Israel Society of Ecology and Environmental Sciences - Lifetime Achievement Award (2023):** "*for brilliant research excellence of the coral reef, for endless public activity and struggles to preserve the coral reefs in Eilat, and the leadership of the Department of Zoology and the Faculty of Life Sciences at Tel Aviv University, while educating a huge generation of students and developing the future generation of Sea researchers in Israel*".

#### ➤ Revercha Grants:

Recipient of over 60 competitive National and International grant awards including: BSF, ISF, GIF, NIH, MERC-AID, EU, Harbor Branch Sea Pharm, NOAA, BMBF, MED-POL, GEF/IOC/World Bank, ITI; NRF-ISF; Italian Ministry of the Environment; Israeli Ministries of: Science, Environmental Protection, Commerce and Industry; these grants enabled him to conduct wide-scale research collaborating with numerous colleagues worldwide (Australia, U.S.A, Japan, Taiwan, Jamaica, Puerto Rico, Mexico, Zanzibar, Eritrea, Singapore, China, Egypt, Jordan)

#### ➤ Supervision of Graduate Students:

Mentored **13 Post docs, over 50 M.Sc. students and 31 Ph.D. students** comprising a significant proportion of the academic backbone of environmental researchers in Israel (Faculty members of almost all academic and research institutions in Israel). **Currently supervising two Ph.D., three M.Sc. students and one postdoc.**

#### ➤ Active Participation in Scientific Meetings:

**Invited Keynote speaker (15 meetings); speaker in over 100 international conferences, symposia and workshops** in the fields of: Biodiversity; Marine Ecology and Environmental Quality; Marine Pollution; Global warming effects on coral reefs; Coral bleaching and diseases; Environmental Conservation and Management of Nature Reserves; Mesophotic coral ecosystems (MCEs; 30-120 m depth).

#### ➤ Publications:

**Author and editor of four books on coral reefs and >300 publications in leading international journals:**

e.g., Ecology; Ecol. Letters.; Amer. Natur.; Proc. Nat. Acad. of Sci.; Limno. & Oceanog.; Proc. Roy. Soc. Biol; PloSBio; Sci. Rep.; Jour. of Exp. Biol; iScience, as well as general journals such as *Nature* and *Science* (**9 publications**). Some of the seminal publications on coral reefs biodiversity, coral reproduction, marine pollution, global warming, coral bleaching, and nature conservation have become classic milestones in the ecological literature.