

Yossi Loya – CV highlights (Jan. 2021)

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- present);
- **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 Duties:

- **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 Boards:

- **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^d ICRS Miami, Florida (1977); 4th ICRS: Philippines (1981); 5th ICRS: Tahiti (1985); 6th ICRS; Australia (1988); 7th 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** – 2nd 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)

➤ Fellowships and 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 Mifaal Hapais 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"***.

➤ Research Grants :

Recipient of over 50 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 27 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 four Ph.D. and one M.Sc. students.**

➤ 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 >280 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; as well as general journals such as ***Nature*** and ***Science*** (**8 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.**