



Dr. K. JAYAKUMAR

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AREA OF RESEARCH

- ❖ Embryonic stem cell biology.
- ❖ Novel drugs of therapeutic value from marine organisms.
- ❖ Evolutionary genomics and systems biology of coral reefs.
- ❖ Behavioral and molecular ecology of marine fauna.
- ❖ Long term *In-situ* bio-physical monitoring of scleractinian and non-scleractinian corals and associated organisms
- ❖ Climate change - *El-Nino* related coral bleaching, recovery mechanisms and coral disease dynamics.

HONOURS AND RECOGNITIONS

Post Doctoral Fellowship - University of Central Florida, Orlando, USA.

ONGOING RESEARCH PROJECT

Studies on the Influence of Anthropogenic Disturbances and Climate change on structure and Functional Attributes of corals in the Palk Bay, Southeast Coast of India. Funded by UGC (2012-2015).

RECENT PUBLICATIONS

Jayakumar K, Kandeepan C. (2009). Effect of pesticides on the growth and oxygen consumption in the tadpole of *Bufo bufo*. J. Eco. Bio, 25: 111-119.

Jayakumar K, Kandeepan C. (2009). Impact of the pesticides on the biochemical constituents of the non-target organism *Bufo bufo* Tadpoles. J. Ecotox. & Envi. Monit, 19: 487-495.

Jayakumar K, Kandeepan C. (2009). Protein carbohydrate ration in the tadpoles of toad *Bufo bufo* as an Index of stress. J. Ecotox. & Environ. Monit, 19: 457-460.

Jayakumar K, Anandhavalli M. (2009). Futuristic assessment of biofertilizer technology in Tamilnadu and usage in 2010. J. Ecobiol, 25: 343-348.