

CURRICULUM VITAE

RAJESH VASUDEV KATYAYANI

Full Name : Rajesh V. Katyayani
Fathers Name : Vasudeo R. Katyayani
Nationality : Indian
Religion : Hindu (Brahmin)
Gender : Male
Date of Birth : 26/08/1963
Permanent Address : 5, Achala Apartment,
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Education:

- 1991 **Doctor of Philosophy** (Zoology), Marathwada University, Aurangabad.
Dissertation: *"Reproductive Physiology of marine crab, Scylla serrata"*.
Concentration: Evaluation of potentially toxic compounds in commercially valuable crustacean species with special reference to their reproductive physiology. Advanced topic covered in the areas of Biochemistry, Animal physiology, Environmental assessment.
- 1988 **Master of Science** (Zoology), Marathwada University, Aurangabad.
Courses taken in the area of Entomology, Helminthology, Animal physiology, Cell and Molecular Biology.
- 1986 **Bachelor of Science** (Fisheries), Marathwada University, Aurangabad.
Courses taken in the area of Chemistry, Zoology and Fisheries.

Experience:

- 2011- Current **Assistant Professor in Zoology (CHB):**
Department of Zoology, Vivekanand Shikshan Santha's,
Vivekanand Arts Sardar Dalipsingh Commerce and Science College,
Samarath Nagar, Aurangabad, MS, India.
- 2002- 2007 **Post Doctoral Fellows:**
Department of Cell & Molecular Biology, 2000 Percival Stern Hall,
Tulane University, New Orleans, Louisiana, 70118 U.S.A.
- 1999- 2002 **Research Technician:**
Department of Cell & Molecular Biology, 2000 Percival Stern Hall,
Tulane University, New Orleans, Louisiana, 70118 U.S.A.
- 1995-1999 **Post-Doctoral Fellows:**
Department of Cell & Molecular Biology, 2000 Percival Stern Hall,
Tulane University, New Orleans, Louisiana, 70118 U.S.A.

1991-1195 Research Technicians:

Department of Ecology, Evolution, Organismal Biology, Tulane University, New Orleans, Louisiana, 70118 U.S.A.

1988-1991 Research Assistant:

Department of Zoology, Marathwada University, Aurangabad, MS, India.

Technical Experience: Working knowledge on HPLC, Gas chromatography (GC), Rotary evaporator, Histological techniques (microtomy, cryostat, sectioning, staining), Microphotography and tissue culture techniques, Spectrophotometer Radio immunoassay(RIA), Electron Microscopy, Gel electrophoresis, etc.

Honors/Awards:

1. Awarded scholarship as a research assistant to work under the United States Department of Agriculture PL-480 project "Hormonal control of reproductive biology of prawns of commercial importance" from June 1988 to Sept 1991.
 2. Investigation (between the years 1991-1995) was supported by grant #DE-FG01-93EW53023 from US Department of Energy.
 3. Investigation (between the years 1995-1998) was supported by grant to M. Mizell from the US Department of Defense # CBR-93 DNA-2; US Department of Energy., # DOE-EM-IFG0193E and US Department of EPA, # CR 822766-01-0.
 4. Investigation (between the years 1995-1999) was supported by grants to J.J.S. from the Air Force office of Scientist Research #(AFOSR)F49620-94-1-0369 and Sea Grants # NA46RG0470,R/P-60
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Publications:

1. R. Nagabhushanam, P.R.Machale, **R.V.Katyayani**, P.S.Reddy and R. Sarojini., "Erythrophoretic responses induced by naphthalene in freshwater prawn, *Caridina rajadhari*." J. Ecotoxicol. Environ. Monit., **1**:185-191 (1991).
2. P.S.Reddy, P.R.Machale, **R.V.Katyayani**, R.Nagabhushanam and R.Sarojini., "Regulation of haemolymph sugar with relation to diurnal rhythm and histological evidence of hyperglycemic hormone from sinus gland. Communicated in Proc. Indian Acad. Sci.
3. P.R.Machale, P.S.reddy, **R.V.Katyayani**, R.Nagabhushanam and R. Sarojini., "In vivo studies of the effect of serotonin and cAMP on the regulation of hyperglycemic hormone were investigated. "Communicated in Indian J.Comp.Anim.Physiol.
4. P.S.Reddy, **R.V.Katyayani**, and M. Fingerman. "Cadmium and naphthalene-induced hyperglycemia in the fiddler crab, *Uca Pugilator*, differential mode of action on the neuroendocrine system. Bull. Environ. Contam. Toxicol.,**56**:425-431 (1996)
5. M.Fingerman, D.Manjula, P.S.Reddy, and **R.V.Katyayani**, "Effect of heavy metals on nervous system and endocrine-mediated process in crustaceans. Zoological Studies, **35**:1-8(1996).

6. M.Mizell, Eric Romig, John Stegeman, Roxanna Smolowitz, and **Rajesh Katyayani** "Zebra fish embryo monitoring of the Aquatic environment: Dose response synergism revealed in combinations of pollutant chemical mixtures. Biol. Bull.191: 292-294. (October, 1996).
7. M.Mizell, John J.Stegeman, Eric Romig, Roxanna Smolowitz, Jennifer Schlezinger, **Rajesh Katyayani** and Melissa Mortensen. "Chemically-induced Cardiovascular Defects in developmental stages of Vertebrates: Dose Response and Phenotypic comparisons in Medaka and zebrafish exposed to Ary1 Hydrocarbon receptor Agonists and non-Agoists. Biol. Bull.191: 294-295. (October, 1996).
8. Satish Saraf and **Rajesh Katyayani**," Biochemical Studies of Cestode Parasite in Fresh Water Fish Mastacembalus Armatus from Paithan Region" Indian Journal of Applied Research., Volume : 6, Issue: 10, (324-325), October 2016 | ISSN - 2249-555X.
9. Sambhaji Shinde, Amol Thosar and **Rajesh Katyayani**, " A Taxonomic Study of A New Cestode Cotugnia Babai Sp. Nov. (Cestoda: Davaineidae) in Columba Livaia from Aurangabad District "International Refereed Multidisciplinary Journal of Contemporary Research., Special Issue, December 2016:11-17., Online ISSN: 2320-3145, Print ISSN: 2319-5789.
10. Satish Saraf and **Rajesh Katyayani**, "Seasonal Variation in the Glycogen Content of Marin Water Crab Scylla Serrata During Different Season" International Refereed Multidisciplinary Journal of Contemporary Research., Special Issue, December 2016:27-29., Online ISSN: 2320-3145, Print ISSN: 2319-5789.

Papers Presented

1. M.Mizell, E.Romig, W.Hartly, A.Thiyagarajah, **R.Katyayani**, and R.Smolowitz."Comparision of cardiovascular defects induced by microinjection of the late gastrula of the Medaka and Zebrafish embryo." Zebrafish Development Genetics. April 24-28, 1996 Cold Spring Harbor, New York.
2. **R.V.Katyayani** and R.Sarojini. "Influence of temperature on ovarian maturation in marine crab, Scylla serrate." The National Academy of Sciences, 59th Annual Session. January 6-8, 1990, Hyderabad, India.
3. **R.V.Katyayani** and R.Sarojini. "Effect of photoperiod on ovarian maturation in marine crab, Scylla serrata. "National Seminar on "Recent trends in Aquaculture" March 2-5, 1990 Guntur, Andhra Pradesh India.

Declaration:

I, **Dr. Rajesh V. Katyayani**, hereby declare that, the information furnished above is true, complete and correct the best of my knowledge and belief, I am fully aware that in the event of any information being found false or incorrect at any stage, my candidature/appointment is liable to summary cancellation/termination without notice or any compensation in lieu thereof, apart from the necessary actions as may be deemed fit.

Place: Aurangabad

Date:

Rajesh Katyayani