

Profile of Dr. Y. V. Rao

- **Name:** Dr. Y. Vasudeva Rao
- **Department:** Biochemistry, Institute of Agriculture
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- **E-mail:** yvr Rao31@gmail.com
- **Phone number:** 9475983931
- **Academic Qualification:** M.Sc. (Biochemistry), Ph.D.
- **Date of Birth:** 10-07-1974
- **Teaching & Research Experience:** 9 Years
 - Biochemistry, Institute of Agriculture, Visva-Bharati (Central University), Sriniketan, West Bengal.
 - Department of Biotechnology, Assam University (Central University), Silchar, Assam.
 - Department of Biotechnology, Jaypee Institute of Information Technology University, Noida, Delhi NCR.
 - Department of Biochemistry, Andhra University, Visakhapatnam, Andhra Pradesh.
- **Research areas:** Biochemistry, Immunology
- **National and International Exposure**
 - Life Member, Indian Immunology Society (IIS).
 - Fellow of Society of Applied Biotechnology (SAB)
 - Life Member, Indian Association of Nuclear Chemists & Allied Sciences (IANCAS).
 - Member, Society of Biological Chemists of India (SBCI).
 - Member, Indian Science Congress Association (ISCA).
- **Awards and Honours**
 - Fellow Award 2012 by Society for Applied Biotechnology
- **Significant publications**
 - **Y. Vasudeva Rao.** Diagnosis of antigen/pathogen presence in fishes by ELISA & Immuno-Electron Microscopy. International Journal of Bio-Pharma Research 2014; 3(1); 171-174
 - Sreenivasa Rao. J, **Vasudeva Rao. Y**, Devindra. S and Longvah. T. Analysis of Heavy Metal Concentrations in Indian marine fish using ICP-MS after closed vessel micro wave digestion method. International Journal of Analytical and Bioanalytical Chemistry 2014; 4(3): 67-73

- **Y. Vasudeva Rao.** Effect of some indigenous Plant sources on the elicitation of Antigen-specific Antibody Response. *Annals of Plant Sciences* 2014; 3(1): 604-607
- **Y. Vasudeva Rao.** Enhancement of immunity and antigen clearance in *Cyprinus carpio* and *Labeo rohita*. *International Journal of Scientific Research* 2014; 3(2): 19-22
- **Vasudeva Rao Y.** Determination of antigen-specific antibody levels in fish serum by ELISA. *International Journal of Bioassays* 2013; 2 (5): 746-747.
- R. Chakrabarti and **Y. V. Rao.** *Achyranthes aspera* enhances immunity and antigen clearance in common carp, *Cyprinus carpio* L. *Journal of Fish Diseases* 2012; 35: 389-392.
- Jaigopal Sharma, **Y. Vasudeva Rao,** S. Kumar and Rina Chakrabarti. Impact of UV-B radiation on the digestive enzymes and immune system of larvae of Indian major carp *Catla catla*. *International Journal of Radiation Biology* 2010; 86 (3): 181-186.
- **Vasudev Rao.Y,** Sunil Babu.G. Enhancement of Disease Resistance by Indigenous plants. *Assam University Journal of Science & Technology* 2009; 4(1): 40-45.
- **Vasudeva Rao Y** and Rina Chakrabarti. *Achyranthes aspera* stimulates the immunity and enhances the antigen clearance in *Catla catla*. *International Journal of Immunopharmacology* 2006; 6 (5): 782-790. Elsevier Publication.
- **Vasudeva Rao Y,** Das BK, Jyotirmayee P and Rina Chakrabarti. Effect of *Achyranthes aspera* on the immunity and survival of *Labeo rohita* infected with *Aeromonas hydrophila*. *Fish & Shellfish Immunology* 2006; 20 (3): 263-273. Elsevier Publication.
- **Vasudeva Rao Y** and Rina Chakrabarti. Stimulation of Immunity in Indian major carp *Catla catla* with herbal feed ingredients. *Fish & Shellfish Immunology* 2005; 18 (4): 327-334. Elsevier Publication.
- **Vasudeva Rao Y** and Rina Chakrabarti. Dietary incorporation of *Achyranthes aspera* influences the Immunity of common carp *Cyprinus carpio*. *Indian Journal of Animal Sciences* 2005; 75 (9): 1097-1102. ICAR Publication.
- **Vasudeva Rao Y,** Romesh S, Ajeet S and Rina Chakrabarti. Potentiation of antibody production in Indian major carp *Labeo rohita*, rohu, by *Achyranthes aspera* as a herbal feed ingredient. *Aquaculture* 2004; 238: 67-73. Elsevier Publication.
- **Vasudeva Rao Y** and Rina Chakrabarti. Enhanced anti-proteases in *Labeo rohita* fed with diet containing herbal ingredients. *Indian Journal of Clinical Biochemistry* 2004; 19 (2): 132-134. Association of Clinical Biochemists of India Publication.
- **Vasudeva Rao Y,** Govinda Rao D, Sunil Babu G and Rao R Athota. Immunomodulatory activity of *Achyranthes aspera* on the elicitation of antigen-specific murine antibody response. *Pharmaceutical Biology* 2002; 40 (3): 175-178. Taylor & Francis Group Publication.
- Govinda Rao D, **Vasudeva Rao Y,** Rao DN and Rao R Athota. Suppressive effect of honey on ovalbumin-specific antibody response in mice. *Indian Journal of Clinical Biochemistry* 2001; 16 (1): 89-94. Association of Clinical Biochemists of India Publication.

- **Number of Ph.D. students produced: 1**