

## RESUME



**DR. BEENA SOMANATH  
ASSISTANT PROFESSOR  
RANI ANA GOVERNMENT  
COLLEGE FOR WOMEN  
TIRUNELVELI -627 008  
TAMIL NADU**

### PERSONAL DETAILS

Date of Birth : 29.07.1963  
Qualification : MSc., Ph.D  
Designation : ASSISTANT PROFESSOR  
Department : ZOOLOGY  
Community : OC  
Religion : HINDU  
Nationality : INDIAN  
Email ID : beenapalavesam@gmail.com

**ACADEMIC QUALIFICATIONS**

Degree	Specialization	College	University	Year of Passing
UG	Zoology	S.T.Hindu College, Nagercoil	Madurai Kamaraj University	1983
PG	Marine Biology and Oceanography	Annamalai University, Chidambaram	Annamalai University, Chidambaram	1985
Ph.D	Fish nutrition	Madurai Kamaraj University, Madurai	Madurai Kamaraj University, Madurai	1993

**TEACHING EXPERIENCE**

<b>Date of Appointment</b>	28.02.2011
<b>Date of Retirement</b>	31.07.2023
<b>Teaching Experience</b>	12 years
<b>Research</b>	24 years

COURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	
Immunology, Biodiversity, Apiculture, Developmental Biology, Aquaculture	Govt. Arts College, Pudukottai	28.02.2011	23.07.2012	1 year & 5 months
Immunology, Biodiversity, Apiculture, Developmental Biology, Aquaculture	Rani Anna Govt. college for women, Tirunelveli	24.07.2012	Till date	10 years & 8 months

**ADMINISTRATIVE EXPERIENCE**

S. No	DESIGNATION	INSTITUTIONS	YEAR
1.	Member in Centre for Differently abled	Rani Anna Govt. College for Women, Tirunelveli	2017 to till date
2.	Member in Doctoral committee	Manonmaniam Sundaranar University, Tirunelveli	2017 to till date

<b>MEMBERSHIP</b>		
<b>S. No</b>	<b>Designation</b>	<b>Particulars</b>
1.	Member in Centre for Differently abled	Rani Anna Govt. College for Women, Tirunelveli, 2017 to till date
2.	Member in Doctoral committee	Manonmaniam Sundaranar University, Tirunelveli, 2017 to till date
3.	Journal Reviewer	Asian Journal of Fisheries and Aquatic Research Certificate No: SDI/HQ/PR/Cer/58674/BEE

**ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (0)**

<b>S. No</b>	<b>Name of the Training</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
1	Orientation Course	UGC Academic Staff College, University of Madras	04.05.2011 to 02.06.2011
2.	Refresher Course	Academic Staff College, M. K. University	23.12.2014 to 12.01.2015
3.	Refresher Course	Academic Staff College, M. K. University	02.11.2016 to 22.11.2016
4.	Refresher Course	Ministry of Education, University of Delhi	17.05.2021 to 31.05.2021
5.	Refresher Course	Ministry of Education, University of Delhi	27-10-2022 to 10-11-2022

**DETAILS OF RESEARCH WORK**

<b>Research Stages</b>	<b>Title of the Thesis</b>	<b>University where the work was carried out</b>
Ph.D	Studies on food utilization in chosen fishes	Madurai Kamaraj University, Madurai

<b>AREAS OF RESEARCH</b>			
Fish Nutrition, Feed formulation, Carotenoids and synthesis of nanoparticles			
<b>RESEARCH PROJECTS CARRIED OUT</b>			
<b>S. No</b>	<b>Title of the Project (Major)</b>	<b>Name of the Funding Agency &amp; Amount</b>	<b>Duration</b>
1.	Studies on environmental and nutritional factors influencing bioaccumulation of dietary carotenoids in freshwater ornamental fishes	University Grant commission, New Delhi. Rs. 8,72,040.00	01.07.2012 to 31.06.2015

<b>PUBLICATIONS</b>				
<b>BOOKS</b>	<b>BOOK CHAPTERS</b>	<b>SCOPUS INDEXED</b>	<b>WEB OF SCIENCE</b>	<b>UGC LISTED</b>
<b>0</b>	<b>0</b>	<b>7</b>	<b>5</b>	<b>11</b>
<b>OTHER INDEXED</b>	<b>AS A RESOURCE PERSON</b>	<b>PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS</b>	<b>WEBINARS, SEMINARS, WORKSHOPS ATTENDED</b>	<b>PATENT</b>
<b>0</b>	<b>0</b>	<b>3+1</b>	<b>9+27+3</b>	<b>-</b>

<b>PUBLICATIONS: SCOPUS INDEXED JOURNALS (7) WEB OF SCIENCE (5) UGC CARE Journals</b>		
<b>Title of the Paper</b>	<b>Name of the Journal</b>	<b>ISSN No., Volume, Issue, Impact factor &amp; Pg. No</b>
Impact of Camellia sinensis Iron oxide Nanoparticles on growth, hemato-biochemical and Antioxidant capacity of Blue Gourami <i>Trichogaster trichopterus</i> fingerlings	Biological Trace Element Research	<a href="http://doi.org/10.1007/s12011-022-03145-2">http://doi.org/10.1007/s12011-022-03145-2</a>

Studies on Carotenoids in pH stressed Freshwater Ornamental Fish Gourami, <i>Trichogaster trichopterus</i>	International Journal of Research and Analytical reviews	Vol.6, Issue 2 ISSN 2349-5138
Seaweed supplemented diet induced skin colour changes in freshwater ornamental fish <i>Puntius tetrazona</i>	International Journal of Biology Research	Vol.3, Issue 1 www.biologyjournal.in
Carrot waste and beetroot waste supplemented diet promoting carotenoids changes in freshwater goldfish <i>C. auratus</i>	International Journal of Life Sciences Research	Vol.4, Issue.1, pp.106-113. ISSN 2348-3148
4. Investigation on production and purification of Haloalkalophilic organic Solvent Tolerant Protease from Marine Shell Waste and its Bioconversion to Chitin by Aquatic <i>Bacillus Sp .APCMST-CS4</i>	Waste Biomass Valor	DOI 10.1007/s12649-2649-016-9636-8
Production, purification and characterization of Halophilic organic solvent tolerean protease from marine crustacean shell wastes and its efficacy on deproteinization	Biotech	6:157 DOI 10.1007/s13205-016-0474-y
Deproteinization potential and antioxidant activity of haloalkalophilic organic solvent tolerant protease from <i>Bacillus sp .APCMST-RS3</i>	Biotechnol.Rep	8,124-132
. Efficacy of Methanolic Extract of a Marine <i>Ascidian Lissoclinum bistratum</i> for antimicrobial activity	Chemical, Biological and Physical Sciences	Vol.5, No.4; 4119-4125 ISSN:2249-1929
Effects of Binders on stability and palatability of formulated dry compounded diets for spiny lobster <i>Panulirus homarus</i> (Linnaeus,1758	Indian J. of Fish	62(1);95-100.
Temperature induced carotenoid changes in the freshwater ornamental fish Tiger barb <i>Puntius tetrazona</i> .Sci-gen	Journal of Science and Technology	Vol.1,issue 1
. Hibiscus Petals and Spirulina supplemented diet induced Carotenoid changes in freshwater Gold fish <i>Carassius auratus</i>	International Journal of Pure and Applied Zoology	Vol.1,Issue 4, pp.352-362
Temperature induced carotenoid changes in the freshwater ornamental fish tiger barb <i>Puntius tetrazona</i> . <i>Sci-gen</i>	Journal of Science and Technology	1(1).
A method for the estimation of detritus energy generation in Aquatic habitat	Turkish Journal of Fisheries and Aquatic Sciences,	5 : 49 – 52.
Effect of detritus quality on energy allocation in chironomids.	European J. Biol. Sci	1 – 9.

. Influence of dietary lipid on survival, growth and moulting strategies of <i>Penaeus indicus</i> (Milne Edwards) post larvae.	J. Aqua. Trop	18(1) : 45-60
Effect of probionts on the growth response, food utilization and biochemical changes on pearl spot. <i>Etroplus suratensis</i> (Bloch.).	Indian J. Fish	50 (2): 273 – 278
. Influence of nutrient source on specific Dynamic Action of pearl spot, <i>Etroplus suratensis</i> (Bloch)	The ICLARM	Vol. 23, No. 2 : 15 – 17 ISSN 0116-290X
Effect of acute sub-lethal concentration of tannic acid of the protein, carbohydrate and lipid levels in the tissues of the fish <i>Labeo rohita</i>	<i>J. Environ. Biol.</i> ,	12(2) : 107 – 112. ISSN 0254-8704
Effect of predatory wasp venom on the haemolymph composition and Esterase activity of <i>Heliothis armigera</i> .	<i>Zool. J. Physiol</i>	93 : 197 – 198 PP 187-190
Kinetic properties of acid and alkaline phosphatases in dragon fly nymph <i>Mesogomphus lineatus</i>	<i>Indian J. Odonatology</i>	2 : 21 – 26.
Satiation time predatory behaviours in the larva of <i>Lestes elata</i> . Hagen (Zygoptera : Lestidae)	<i>J. Advances in Odonatology</i> ,	4 : 5 – 11.
. Effect on sublethal concentrations of Tannic acids on proteins, carbohydrate and lipids levels in the tissues of the fish <i>Oreochromis mossambicus</i> .	<i>J. Environ. &amp; Eco</i>	6 : 289 – 292. ISSN 0970-0420
Effect of cadmium and mercury on the haematological parameters of the fish <i>Cyprinus carpio</i> .	<i>J. Environ. &amp; Ecology</i>	Vol. 5, No. 4.

**WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED:WEBMINARS ATTENDED**

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1.	FDP on Design, Develop and Deliver online courses through MOODLE Platform	TANSICHE	29& 30.05.2020
2.	National Seminar on Bioresources for a better tomorrow	Department of zoology, Rani anna Govt. College for Women, Tirunelveli	21.02.2020

3.	Webinar on Covid-19 A Herculean Challenge to Human Immunology	Department of Zoology, St. Marys college, Thoothukudi	05.06.2020
4.	Webinar on Dream Big	Department of Zoology, V.O.Chidambaram College, Thoothukudi	06.06,2020
5.	National Level Webinar on Probiotic and Human Health and Disaster Management	Department of zoology, Pudukottai	08.06.2020
6.	National Webinar on Covid-19 & Care for Environment	St. Xaviers College, Palayamkottai	26.06.2020
7.	Webinar on Tools for Enhancing Research Visibility	IQAC, Rani Anna Govt. College for Women, Tirunelveli	21.07.2020
8.	5 days FDP on Research methodology and Journal Publishing	IQAC, Rani Anna Govt. College for Women, Tirunelveli	13-17.06.2020
9.	International Web Conference on The Science of Yogic Breathing	Presidency College, Chennai	24.07.2020
10.	National Level Webinar on Human health and Infectious Diseases	Department of Zoology, V.H.N.Senthikumara Nadar College, Virudhunagar	30.07.2020
11.	Online Workshop on Online Teaching- Make it easy	IQAC, Govt. Arts and Science College, Sathankulam	09.08.2020
12.	International Webinar on Teachers as Catalysts of Ethics in Higher Education	IQAC, Rani Anna Govt. College for Women, Tirunelveli	25.06.2020

#### **COUNTRIES VISITED**

World Research Conference	Hotel Sheraton, Deira, Dubai, UAE	7 & 8.12.2015	Presented Paper
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DATE: 10.04.2023

DR. BEENA SOMANATH

