



**Dr.S.SUBEENA BEGUM**  
**Assistant Professor in Zoology**

**Contact**

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**Academic Qualifications:**

**M.Sc.,M.Phil.,Ph.D.**

Course	Subject	University	Year of Completion	Class
Ph.D	Zoology	Madurai Kamaraj University	2013	Awarded successfully
M.Phil	Zoology	Madurai Kamaraj University	1993	First
M.Sc.,	Zoology	Madurai Kamaraj University	1991	First

**Teaching Experience: 23Years**

**Research Experience: 14 Years**

**Additional Responsibilities**

1. **Warden** in Science Block Women's Hostels, Science Campus, Alagappa University, Karaikudi.
2. **Deputy Co-Ordinator in Environment Awareness club**, Alagappa University
3. **Deputy Co-Ordinator for M.Sc., DDE Zoology Programme**, Alagappa University.

### Areas of Research

**Fish Immunology**-Herbal based immunology, nonspecific immune response and specific immune response.

### Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	Have been recognized as Research supervisor since July 2016.	3
	M.Phil.	8	-
Project	PG	10	-

### Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
10	7		2	2

**Cumulative Impact Factor** : 35.36  
**h-index** : 4  
**Total Citations** : 42

### Funded Research Projects

Ongoing Project.

S.	Agency	Period	Project Title	Budget
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No		From	To		(Rs. In lakhs)
1	RUSA 2.0 scheme. THRHAP	January 2017	January 2020	Immunostimulatory effect of bioencapsulated chironomous larva with carrageenan in the fresh water fish Tilapia( <i>Oreochromis mossambicus</i> )	Rs.3.44

### Completed Project

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	AURF	February2016	February2018	Synergistic effect of medicinal plant leaf extracts supplemented diets on non-specific immune response in fresh water fish.	80,000
2.	RUSA(2.0)	March 2018	March 2020	Immunomodulatory activity of Cassia auriculata in fresh water fish.	4.5

### Project s which we applied

S. No	Agency	Period	Project Title	Budget (Rs. In lakhs)
1	Research Proposal Under Chief Minister's Research Grant 2023-24	Applied on 15.3.2023	Effect of Quercetin on the growth performance, digestive enzyme activity, antioxidant activity, immunological parameters and challenge study against <i>Aeromonas hydrophila</i> in Tilapia ( <i>Oreochromis mossambicus</i> ).	37,92,000
2.	RUSA(2.0)	Applied on 22-2-2023	Effect of dietary Trigonelline supplementation on growth performance, Digestive enzyme activity, haemato-immunological parameters and post challenge study with <i>Aeromonas .hydrophila</i> of fresh water fish <b>Oreochromis mossambicus</b>	12,48,000/-

### Distinctive Achievements / Awards

1. Teachers day award by DAHM family,Alagappa University

### Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized.

Events organized-6

### Events Participated

#### Conferences / Seminars / Workshops/Events

Conferences- 8

Seminars- 4

Workshops- 5

Events-5

#### Other Training Programs

1. Orientation- 3
2. Training Programs-3
3. Fresher course -2

### Membership in

#### Professional Bodies

**Member**-Ph.D Pre registration entrance exam and interview committee

**Awarded** as Distinguished Professor 2019.

**Co-Chair person (session)**-Innovative and Emerging trends in botany 2019 in Alagappa University

**Convener-World Animal Day 2019** conducted in Dept of Animal Health and Management,Alagappa University.

**Event Co-Ordinator** -Alutes 2018, Alagappa University.

DDE M.Sc.,Zoology course material

I have written **DDE M.Sc.,Zoology course material on the title Animal Diversity**

I have written **DDE M.Sc.,Zoology course material on the title Immunology**

I have been deputed as **University Representative** in DDE Alagappa University Examination since December 2015.

I have been nominated as the member of the **squad** team for the surprise visit during April 2016 in the colleges Affiliated to Alagappa University, Karaikudi.

I have been appointed as **Chairperson** for the DDE M.Sc., Zoology Question Paper setter board since January 2019.

I have been appointed as **Chairperson** for the DDE M.Sc., Zoology Valuation board since January 2019.

I have been appointed as **Examiner** for the DDE M.Sc., Zoology degree examination for valuation board from 2015 to 2019.

I have been appointed as **Examiner** for the M.Sc., Zoology Regular degree examination in valuation board 2019.

I have been appointed as **Internal examiner** for the M.Sc., Zoology practical examination since January 2015.

I am handling **M.Sc., Zoology regular classes** both theory and also practicals since 24<sup>th</sup> February 2016.

I have attended **one day orientation programme** conducted on 2<sup>nd</sup> November 2015

**Resource persons in various capacities Number of Invited / Special Lectures delivered:**

Special Lecture delivered: 1

Invited as chief guest for Graduation day April 2018

## Recent Publications

1. Impact of *Hygrophila auriculata* supplementary diets on the growth, survival, biochemical and haematological parameters in fingerlings of freshwater fish *Cirrhinus mrigala* (Hamilton, 1822) **Dr.S Subeenabegum**, Comparative Biochemistry and Physiology, Part A 263 (2022) 111097 Aquaculture Reports 17 (2020) 100341; Impact factor-2.88
2. Effects of Azomite enriched diet on gonadal steroid hormone levels and milt quality indices in *Oreochromis mossambicus* **Dr.S Subeena begum**, Aquaculture Reports 17 (2020) 100341; Impact factor-3.38
3. Supplementary diet of *Nigella sativa* on immune response and diseases resistance in *Oreochromis mossambicus*. **Dr.S. Subeena Begum**; European Journal of Biotechnology and Bioscience ISSN: 2321-9122; Volume 8; Issue 6; 2020; Page No. 25-30 Impact factor 5.44

4. Comparative study of antimicrobial activity of *Andrographis paniculata* and *ocimum sanctum* with commercial antibiotics. **Dr.S Subeena begum** International Journal of Research in Pharmacy and Pharmaceutical Sciences ISSN: 2455-698X; Impact Factor: RJIF 5.22 .Received: 05-11-2019; Accepted: 06-12-2020, 13-01-2020 www.pharmacyjournal.in. Volume 5; Issue 1; 2020; Page No. 23-26.

5.**Dr.S.Subeena Begum** ,Dr.PS Navaraj Studies on the immunostimulatory effect of extract of *Solanum trilobatum* and *Ocimum sanctum* in *Mystus keletius*. **International Journal of fisheries and Aquatic Research.2016**; 4(2): 376-381(Impact factor-0.352)

6. **Dr.SSubeena Begum** ,Dr.PS Navaraj. Dietary supplement of mixture of medicinal plant leaf extracts on immune response of fresh water fish *Mystus keletius*. **International Journal of Applied Research 2016**;2(1):314-319.(Impact factor :5.2)

7. **Dr.SSubeena Begum** ,Dr.PS Navaraj.Synergistic effect of plant extracts supplemented diets on immunity and resistance to *Aeromonas hydrophila* in *Mystus keletius*. **IOSR Journal of Pharmacy and Biological Sciences .2012**. 2(4):30-36.(Impact factor:1.519).

8.**Dr.S.Subeena Begum.**,Dr.B.Vaseeharan. Synergistic effect of medicinal plant leaf extracts on non specific immune responses in fresh water fish *Channa striatus*(**International Journal of Zoology Studies**)2017;2(2):16-21(Impact factor-5.14)(Article in press)(AURF Project related research paper).

9.**Effect of aqueous methanolic extract of *Tridax procumbens* on nonspecific immune response of fresh water fish.**Chinniah S,SangeethaT.,**Dr.Subeena Begum S** “Alagappa University Journal of Biological Sciences”) AlagappaUniversity,Karaikudi,Tamil Nadu,India.

10.**Dr.S.Subeena Begum.**,Effect of *Eichhornia crassipes* leaf extract on lepidopteran pest *Spodoptera litura* in the International journal of Ecotoxicology and environmental monitoring vol 3June1993.(ISSN-0971-0965)

11.International conference on **Recent trends in Microbiology** held on December 20<sup>th</sup> and 21<sup>st</sup> 2016 organised by Department of Microbiology Alagappa University- participated and paper presented entitled “**Studies on synergistic effect of medicinal plant extracts on the specific immune response of the fresh water fish *Channa punctatus*.**”

12.Three days **International Conference on Recent Trends in Biosciences** held on April07-09,2016 Alagappa University,Karaikudi,Tamil Nadu

**13.Participated two days International conference on Renewable energy science and technology** was conducted on 10-03-2017 and 11-03-2017 Organized by Dept of Energy Science) Alagappa University,Karaikudi.

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