



**NAME Dr.S.SUBEENA BEGUM**  
**DESIGNATION Assistant Professor of Zoology**

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**Academic Qualifications:M.Sc.,M.Phil.,B.Ed.,Ph.D.**

Degree	Institution	Year	Branch	Class
Ph.D	Madurai Kamaraj University	2013	Zoology	Awarded Successfully
M.Phil.,	Thiagarajar College, Madurai. MKU	1993	Zoology	First
M.Sc.,	Thiagarajar College, Madurai. MKU	1991	Zoology	First
B.Ed.,	Madurai Kamaraj University	1994	Bioscience	Second

**Teaching Experience:**Total Teaching Experience : **23 Years**

<b>Position</b>	<b>Institution</b>	<b>Duration</b>
Asst Professor of Zoology	CDOE, Alagappa University	From 31-08-2015 to Till date
Asst Professor	Dept of Micro Biology M.S.S.Wakf Board College, Madurai-20	1-09-2003 to 30- 04-2014
Asst Professor	Fatima College Dept of Zoology, (FIP Vacancy), Maryland, Madurai.	From 4-8-1999 to
Asst Professor	Hajee Karutha Rowther Howdia college, Dept of Zoology, (Medical Vacancy) Uthamapalayam, Theni Dist.	From Dec 1996 to Feb 1997

**Research Experience**

Total Research Experience : 15 Years

<b>Position</b>	<b>Institution / University</b>	<b>Duration In Years</b>
Asst Professor	Alagappa University, Karaikudi, TN, India	8
Ph.D in Zoology	Yadava College, MKU	4
M.Phil in Zoology	Thiagarajar College, MKU	2
M.Sc., in Zoology	Thiagarajar College, MKU	1

## Academic and Additional Responsibilities

S.No	Position	University Bodies	Period	
			From	To
1.	Co.ordinator for DDE, M.Sc., Microbiology Programme ,	Alagappa University	From August 2023	Till date
2.	Deputy Co.ordinator for DDE .M.Sc., Zoology Programme	Alagappa University	since August 2019	Till date
3.	Deputy Co.Ordinator in Environmental Awareness Club	Alagappa University	since 2019,	Till date
4.	Warden in Science Block Women's Hostels, Science Campus	Alagappa University	2016	2017

## Areas of Research

### Title of the Research

**1. Fish Immunology**-Herbal based natural products, chitosan,  $\beta$  Glucan, Quercetin based immunology, nonspecific immune response , specific immune response and challenge study with *Aeromonas hydrophila*.

## Patents Filed

### Title of the Patent :

Potable Nano particle cytotoxicity tester for cancer  
Patent Certificate of Registration Design number: 6319466

## Research Supervision/Guidance

Program of Study		Completed	Ongoing
	Ph.D		two
	M.Phil	7	
Project	PG	10	
	UG/ Others		

## Publications

**Dr.Syed Usman Subeena Begum** Amalraj Jeyaprabha, Chellapandian Madhusuthani, **(Corresponding Author)** Chinnasamy Balalakshmi Effect of Bioenriched blood worm (*Chironomus transvaalensis*) with sea weed (*Kappaphycus alvarezii*) diet on growth performance digestive enzymes, Immunological assays and challenge study against *Aeromonas hydrophila* in *Tilapia*, *Oreochromis mossambicus* (Peters 1852) Journal of Hunan University Natural Sciences ISSN : 1674-2974 | CN 43-1061 / N Vol: 60 | Issue: 11 | -2023. (Impact factor- 0.317)

**S.Subeena Begum** Habeeb Ashik Ahamed, Mohamed Jamal Mohamed, Kantha Deivi Arunachalam, G.I. Darul Raiyaan, Mohamed Saiyad Musthafa, , Hien Van Doan **“Effects of Azomite enriched diet on gonadal steroid hormone levels and milt quality indices in *Oreochromis mossambicus*”**. **Aquaculture Reports** (Impact factor-3.21).

**S. Subeena Begum** Johnsundhar Kumar a, Marckasagayam Priyadharshini b, M. Madhavi c, d, A. Jawahar Ali a, Mohamed Saiyad Musthafa b,\*, Caterina Faggio e, Impact of *Hygrophila auriculata* supplementary diets on the growth, survival, biochemical and haematological parameters in fingerlings of freshwater fish *Cirrhinus mrigala* (Hamilton, 1822). *Comparative Biochemistry and Physiology, Part A Comparative Biochemistry and Physiology, Part A* 263 (2022) 111097

**S.Subeena Begum**, A Jeyaprabha, Alageswari, S Durgadevi, R Kavimani, “Supplementary diet of *Nigella sativa* on immune response and diseases resistance in *Oreochromis mossambicus*” *European Journal of Biotechnology and Bioscience* .ISSN: 2321-9122; Volume 8; Issue 6; 2020; Page No. 25-30 Impact Factor: 5.44

**Dr.S.Subeena Begum,,"Comparative Study Of Antimicrobial Activity Of Andrographis Paniculata And Ocimum Sanctum With Commercial Antibiotics. "International Journal of Research In Pharmacy And Pharmaceutical Sciences"March 2020, Volume 5; Issue 1; 2020; Page No. 23-26 (Impact factor-5.22).**

**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)

**Dr.SS Subeena 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)

**Dr.S.Subeena 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)..

**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.

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

International		National		Others
Journals	Conferences	Journals	Conferences	Books/Chapters/Monographs/Manuals
13	14	-	4	2

**Cumulative Impact Factor(as per JCR) : 60**  
**h-index : 05**  
**i10 index : 01**  
**Total Citations : 60**

## Funded Research Projects

### Ongoing Projects:

S. No	Agency	Period		Project Title	Budget (Rs.in lakhs)
		From	To		
1.	RUSA-TBRP	Feb 2023	Feb 2024	Effect of Bioenriched blood worm ( <i>Chironomus transvaalensis</i> ) with sea weed ( <i>Kappaphycus alvarezii</i> ) diet on Immunological assays and challenge study against <i>Aeromonas hydrophila</i> in Tilapia, <i>Oreochromis mossambicus</i> (Peters 1852)	3.44

### Completed Projects:

S.No	Agency	Period		Project Title	Budget (Rs.In lakhs)
		From	To		
1.	RUSA	September 2019	September 2021	1.Immunostimulatory activity of Cassia auriculata in selected fresh water fish	4.5
2.	AURF	February 2016	February 2018	Synergistic effect of medicinal plant leaf extracts supplemented diets on non-specific immune response in fresh water fish.	0.8

- Title 1 Distinguished Professor
- Title 2 Outstanding Faculty Award

## Events organized in leading roles

Number of Seminars /Conferences /Workshops/ Events organized:

<b>Position</b>	<b>Programme</b>	<b>Duration</b>	<b>Institution</b>
<b>Organising secretary</b>	2 <sup>nd</sup> National Seminar on Next generation technology for Sustainable Fisheries	March 29 <sup>th</sup> and 30 <sup>th</sup> 2022	Alagappa University, Karaikudi, Tamil Nadu
<b>Cochairperson</b>	International Conference on Innovative and emerging trends in Botany	on 6 <sup>th</sup> and 7 <sup>th</sup> November 2019	Alagappa University , Karaikudi, Tamil Nadu, INDIA.
<b>Tamil Nadu</b>	International women's conference on advances in science and technology and Awards 2023	16 <sup>th</sup> April 2023	Sanata Dharma University, Yogyakarta, Indonesia
<b>Organizing Committee Member</b>	Three day Training programme on Enhancing life skills for youth belonging to scheduled caste/scheduled tribes: special reference to affiliated college students of Alagappa University.	From 16-3-2022 to 18-3-2022	Alagappa University , Karaikudi, Tamil Nadu, INDIA.
<b>Organizing Committee Member</b>	Workshop on research methodology	5.2.2018 to 11.2.2018,	DDE Alagappa University in collaboration with Indian Academic Researchers Association, Trichy.
<b>Convener</b>	World Animal Day celebration	4-10-2019	Dept of Animal Health Management, Alagappa University, India
<b>Organizer</b>	Recent approaches and human genes against covid19	11-06-2020	Alagappa University

<b>webinar</b>			
<b>Event Co-Ordinator-</b>	Inter Collegiate Talent Exhibit Show	2.2.2019 and 3.2.2019	Alagappa University
<b>Chief Guest</b>	Graduation Day	12-4-2018	Uswathun Hasana Women's College, Pallapatti Karur Dist ,Tamil Nadu.
<b>Organizer</b>	Hostel day, All Women's hostel Alagappa University	25-3-2017	Alagappa University
<b>Event judge</b>	Dept Celebration-Slogan Writing And Rangoli	2018	Alagappa University
<b>Event Co-ordinator</b>	ALUTES 2018,	<b>2018</b>	Alagappa University
<b>Event Co-ordinator</b>	Systemic Voters Education And Electoral Participation In India	<b>23-10-2018</b>	Alagappa University Tamil Nadu, India
<b>Chairperson</b>	DDE., M.Sc., Zoology University Board Examination <b>Valuation board</b>	since 2019	Alagappa University Tamil Nadu, India
<b>Chairperson</b>	DDE., M.Sc., Zoology University Board Examination <b>QUESTION</b>	since 2019	Alagappa University Tamil Nadu, India
<b>Organizing committee member</b>	5 <sup>th</sup> International day of yoga	<b>21-06-2019</b>	Centre for Yoga education and NSS, Alagappa university
<b>Squad for</b>	<b>affiliated colleges</b>	<b>5-4-2016 to 7-5-2016</b>	Alagappa University Tamil Nadu, India



<b>Lesson Writer</b>	DDE, M.Sc.,Zoology (study material)1.Immunology2.Animal diversity	<b>5-7-2016</b>	CDOE, Alagappa University Tamil Nadu,India
<b>Reviewer</b>	DDE, M.Sc.,Zoology(study material)Cell and Molecular Biology	<b>29-1-2019</b>	CDOE, Alagappa University Tamil Nadu,India
<b>Co ordinator</b>	Learning centers,Alagappa university	<b>Since 19-072019</b>	CDOE, Alagappa University Tamil Nadu,India
<b>Chaied a Session</b>	One week workshop on research methodology	<b>From 5-2-2018 to 11-2-2018</b>	Department of Education DDE in Collaboration Indian academic researchers association Tiruchirapplli
<b>Role of expert</b>	post graduate teacher's content enrichment Training	<b>2019</b>	DIET.Kalaiyar koil,Sivagangai Dist,Tamil Nadu
<b>Organizing committee member</b>	One day work shop on water conservation  Jal shakthi and environmentalawareness club	22-11-2019	Alagappa University Tamil Nadu,India
<b>Nodal Officer for conducted by</b>	DDE online examination	from Dec 2020 to Mar 2022	Alagappa university,Karaikudi
<b>Vice President -</b>	Alagappa University Faculty Association	from 2018-2020.	Alagappa University Tamil Nadu,India

<b>Warden,</b>	Science Campus Women's Hostel	2015-2017	Alagappa University Tamil Nadu, India
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Number of Conferences/Seminars/Workshops:

Conferences- 20  
Seminars- 9  
Workshops- 7  
Events-8

### Overseas Exposure/Visits

Visit1- **National University ,Singapore** as Resource person and paper presentation.

### Membership

#### Professional Bodies

Membership Name1 **Chairperson** for DDE.,M.Sc.,ZOOLOGY University Board Examination since 2019

**Deputy Co.Ordinator** in Environmental Awareness Club since 2019,Alagappa University,India.

**Member** –Board of Studies Zoology M.Sc., Programme in Regular

**Member** –Board of Studies Zoology M.Sc., Programme in Distance mode

**Faculty member** –M.Sc.,Zoology Regular and distance education mode.

**Faculty member** –M.Phil.,Zoology Summer Sequential Programme.

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

#### Advisory Board

<b>Year/Period</b>	<b>Name of the BoS/Administrative Committee / Academic Committee</b>	<b>Role</b>
Since 2019	DDE.,M.Sc.,ZOOLOGY University Board Examination since 2019	<b>Chairperson</b>
2018	Board of Studies Zoology M.Sc., Programme in Regular	<b>Member</b>
Since 2017	Board of Studies Zoology M.Sc., Programme in Distance mode	<b>Member</b>

2017-2019	M.Sc.,Zoology Regular	<b>Faculty member</b>
Since Aug2015	M.Sc.,Zoology distance education mode.	<b>Faculty member</b>
2017-2019	M.Phil.,Zoology Summer Sequential Programme.	<b>Faculty member</b>
Since 2017	Ph.D Pre registration entrance exam and interview committee	<b>Member</b>

#### AcademicBodiesin OtherInstitutes/Universities

Year/Period	NameoftheBoS/AdministrativeCommittee / AcademicCommittee	Role
From 13-02-2023 to till date	BOS for B.Sc.,Zoology in V.V.Vanniaperumal college for Women(Affiliated to MKU)Virudhunagar(TN)	Subject Expert

#### Ph.D. Research Supervisor in Zoology

#### ListofResearchArticles / RecentPublications

S. No	Authors/Title of the paper/Journal	Impact Factor
1.	Amalraj Jeyaprabha, Chellapandian Madhusuthani, <b>Dr.Syed Usman Subeena Begum,(CorrespondingAuthor)</b> ChinnasamyBalalakshmiEffect of Bioenriched blood worm ( <i>Chironomus transvaalensis</i> ) with sea weed ( <i>Kappaphycus alvarezii</i> ) diet on growth performance digestive enzymes, Immunological assays and challenge study against <i>Aeromonas hydrophila</i> in Tilapia, <i>Oreochromis mossambicus</i> (Peters1852) Journal of Hunan University <b>Natural Sciences</b> ISSN : 1674-2974   CN 43-1061 / N Vol: 60   Issue: 11   2023.	0.317
2.	<b>S.Subeena Begum</b> Habeeb Ashik Ahamed, Mohamed Jamal Mohamed, Kantha Deivi Arunachalam,G.I. Darul Raiyaan, Mohamed Saiyad Musthafa, , Hien Van Doan “Effects of Azomite enriched diet on gonadal steroid hormone levels and milt quality indices in <i>Oreochromis mossambicus</i> ”. <b>Aquaculture Reports.</b>	3.21

3.	<b>S. Subeena Begum</b> Johnsundhar Kumar a, Marckasagayam Priyadharshini b, M. Madhavi c, d, A. Jawahar Ali a, Mohamed Saiyad Musthafa b,*, Caterina Faggio e, Impact of <i>Hygrophila auriculata</i> supplementary diets on the growth, survival, biochemical and haematological parameters in fingerlings of freshwater fish <i>Cirrhinus mrigala</i> (Hamilton, 1822).Comparative Biochemistry and Physiology, <b>Part A Comparative Biochemistry and Physiology</b> , Part A 263 (2022) 111097	2.3
4.	<b>S.Subeena Begum</b> , A Jeyaprabha, Alageswari, S Durgadevi, R Kavimani,“Supplementary diet of “ <i>Nigella sativa</i> on immune response and diseases resistance in <i>Oreochromis mossambicus</i> ” European Journal of Biotechnology and Bioscience .ISSN: 2321-9122; Volume 8; Issue 6; 2020; Page No. 25-30 .	5.44
5.	<b>Dr.S.Subeena Begum.</b> ,"Comparative Study Of Antimicrobial Activity Of Andrographis Paniculata And Ocimum Sanctum With Commercial Antibiotics. "International Journal Of Research In Pharmacy And Pharmaceutical Sciences"March 2020, <b>Volume 5; Issue 1; 2020; Page No. 23-26 .</b>	5.22
6.	<b>Dr.S.Subeena Begum</b> ,Dr.PS Navaraj Studies on the immunostimulatory effect of extract of <i>Solanum trilobatum</i> and <i>Ocimum sanctum</i> in <i>Mystus keletius</i> . International Journal of fisheries and AquaticResearch.2016; 4(2): 376-381.	0.352
7.	<b>Dr.SS Subeena Begum</b> ,Dr.PS Navaraj. Dietary supplement of mixture of medicinal plant leaf extracts on immune response of fresh water fish <i>Mystus keletius</i> . International Journal of Applied Research 2016;2(1):314-319.	5.2
8	<b>Dr.S.Subeena Begum</b> ,Dr.PS Navaraj.Synergistic effect of plant extracts supplemented diets on immunity and resistance to <i>Aeromonas hydrophila</i> in <i>Mystus keletius</i> . <b>IOSR Journal of Pharmacy and Biological Sciences .2012. 2(4):30-36.</b>	1.519
9	<b>.Dr.S.Subeena Begum.</b> ,Dr.B.Vaseeharan. Synergistic effect of medicinal plant leaf extracts on non specific immune responses in fresh water fish <i>Channa striatus</i> (International Journal of Zoology Studies)2017;2(2):16-21.	5.14.
10	Effect of aqueous methanolic extract of <i>Tridax procumbens</i> on nonspecific immune response of fresh water fish.Chinniah S,SangeethaT., <b>Dr.Subeena Begum S</b> “Alagappa University Journal of BiologicalSciences”)AlagappaUniversity,Karaikudi,Tamil Nadu,India.	
11	<b>Dr.S.Subeena Begum.</b> ,Effect of Eichhornia crassipes leaf extract on lepidopteran pest <i>Spodoptera litura</i> in the International journal of Ecotoxicology and environmental monitoring vol 3June1993.(ISSN-0971-0965)	

## Resource persons in various capacities

National Conferences : 03

International Conferences : 07

Invited Lectures : 02

Date : 26-02-2024

(Signature)

Place : Karaikudi



Name

Dr.,S.SUBEENA BEGUM

Designation

Asst Professor of Zoology

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