



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:13 Years

Additional Responsibilities

Co.ordinator for DDE .M.Sc.,Microbiology Programme ,Alagappa University since August 2023.

Deputy Co.ordinator for DDE .M.Sc.,Zoology Programme ,Alagappa University since August 2019.

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

Warden in Science Block Women's Hostels,Science Campus, Alagappa University,Karaikudi during 2016 -17.

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.	2
	M.Phil.	7	Completed
Project	PG	13	Completed

Publications

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

Cumulative Impact Factor (as per JCR) :37.36

h-index : 4

Total Citations : 56

Funded Research Projects

Applied Project.

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 2.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> (<i>Peters1852</i>)	4.5
2	RUSA-TBRP	February 2023	February 2024	Immunological assays and challenge study against <i>Aeromonas hydrophila</i> in Tilapia, <i>Oreochromis mossambicus</i> (<i>Peters1852</i>)	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

1. -

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- 10

Events Participated

Conferences / Seminars / Workshops/Events

Conferences- 20

Seminars- 9

Workshops- 7

Events-8

Role of expert in post graduate teacher's content enrichment Training in DIET-1

Other Training Programs

1. Orientation courses- 2

2. Training Programs-7

3. UGC sponsored Refresher Courses -3
4. Short term course on Professional Enrichment (7-8-2017 to 13-8-2017)-1
5. Faculty Development Program(Accreditation Quality Enhancement)-1

Membership in

Professional Bodies

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

Author for DDE M.Sc.,Zoology course material on the title Animal Diversity.

Author for M.Sc., Zoology Course material on the title Immunology.

University Representative in DDE Alagappa University Examination since December 2015.

Squad team for the surprise visit during april 2016 in the colleges Affiliated to Alagappa University, Karaikudi.

Valuing examiner for the M.Sc., Zoology examination since January 2015.

Internal examiner for the M.Sc., Zoology practical examination since January 2015.

M.Sc., Zoology regular classes handling both theory and also practicals since 24th February 2016.

I have attended **one day orientation programme** conducted on 2nd November 2015

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

Special Lecture delivered: 3

Graduation day Chief Guest – Uswathun hasanna women's college,Karur District , on 12-04-2018 Tamil Nadu.

Invited Talk in Abroad-20-22nd April 2019 at National University of Singapore in SINGAPORE.

International Award- Distinguished Professor on 12-10-2019 by Arunai International Research Foundation, Tamil Nadu, India

International Outstanding Faculty Award for the year 2022 held on 16th and 17th July 2022 at Pattaya, Thailand organised by Arunai International Research Foundation, India.

Recent Publications and Research article presentations

Amalraj Jeyaprabha, Chellapandian Madhusuthani, **Dr.Syed Usman Subeena Begum,(Corresponding Author)**ChinnasamyBalalakshmiEffect 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 Devi 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**).

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.

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)

International conference on **Recent trends in Microbiology** held on December 20th and 21st 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*.**”

International conference on **Recent trends in Microbiology** held on January 24th and 25th 2019 organised by Department of Microbiology Alagappa University- participated and paper presented entitled **Efficacy of *Nigella sativa* on the immune responses in *Oreochromis mossambicus***

International conference on **Recent trends in Microbiology** held on January 24th and 25th 2019 organised by Department of Microbiology Alagappa University- participated and paper presented entitled **Immunomodulatory effect of peel of *Punica granatum* in *Oreochromis mossambicus***

Participation and Presentation

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

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.

Participated in **UGC sponsored Refresher Programme** from 27-07-23 to 09-08-23 conducted in Bharathidasan University, Tiruchirappalli, Tamil Nadu

Participated in **UGC sponsored Refresher Programme** from 2-12-2021 to 15-12-2021 conducted in University of Madras,Chennai.

Participated in **UGC sponsored Refresher Programme** from 16-7-2019 to 29-7-2019 conducted in Bharathidasan University, Tiruchirappalli,Tamil Nadu.

Participated and obtained “**A**” **Grade in100th UGC sponsored Orientation Programme** from 15-11-2017 to 12-12-2017 conducted in Bharathidasan University.

Participated in four days National workshop on Commercialization prospects of microbial formulates was conducted on 22-01-2018 and 25-01-2018 organized by Dept of Microbiology) Alagappa University, Karaikudi. Invited Lecture/Paper presented

Effect of *Chironomus Larvae* Enriched with *Kappaphycus alvarezii* on Growth Performance and Immunological parameters of *Oreochromis mossambicus*. International Conference Recent Biotechnological innovation in Aquaculture **Bharathiar University 27th & 28th Feb-2020**

Red algae *Kappaphycus alvarezii* (Doty) Doty ex. P. Silva as feed additive for improving the immune system and antioxidant parameters in *Channa punctatus*. 5th International Conference On “Emerging Trends In Multidisciplinary Research” **National University of Singapore & AIRF 20-4-2019 to 22-04-2019**, International level.

Bioencapsulation of chironomus larva with red algae and its immuno-nutritious effect on *Channa punctatus*. 5th International Conference On “Emerging Trends In Multidisciplinary Research” **National University of Singapore & AIRF 20-4-2019 to 22-04-2019** International level

“Evaluation of immuno-stimulatory effects of *Cassia auriculata* flower extracts towards freshwater *Oreochromis mossambicus* fishes” 2nd International Conference on “Molecular Physiology, Therapeutics and Experimental Medicine (MP-TEM2019)” Department of Animal health and Management, Alagappa University, Karaikudi, Tamil Nadu, INDIA July 24th and 25th 2019. Inter -National level

Effect of Dietary *Allium cepa* powder on the growth performance and immunological parameters of *Oreochromis mossambicus*. 2nd International Conference on “Molecular Physiology, Therapeutics and Experimental Medicine (MP-TEM2019)” Department of Animal health and Management, **Alagappa University**, Karaikudi. Tamil Nadu, INDIA July 24th and 25th 2019 Inter -National level.

Impact of *Cucurbita mixta* seed meal enriched diet on the sex steroid hormone levels and milt quality indices in the freshwater fish *Oreochromis mossambicus* (Peter's, 1852) 2nd International Conference on “Molecular Physiology, Therapeutics and Experimental Medicine (MP-TEM2019)”. Department of Animal health and Management, **Alagappa University**, Karaikudi, Tamil Nadu, INDIA. July 24th and 25th 2019. International level

Books materials written (DDE)

M.Sc., Zoology-Immunology in 2019

M.Sc., Zoology-Animal Diversity in 2016.

Academic achievements and Awards

Co.ordinator for DDE .M.Sc.,Microbiology Programme ,Alagappa University since july 2023.

Deputy Co.ordinator for DDE .M.Sc.,Zoology Programme ,Alagappa University since August 2019.

Chairperson for DDE.,M.Sc.,Zoology University Board Examination -**Valuation board** since 2019

Chairperson for DDE.,M.Sc.,Zoology University Board Examination **Question paper setter board** since 2019

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

Patent Certificate of Registration **Design number: 6319466**

Grant date: 08 November 2023 Registration date: 17 October 2023 Dr. Mohammed Rafiqkhan Khadhar Khan, Dr. Chinnasamy Balalakshmi, Dr. Sirisha Chittala, Dr. Sivakumar Thangam Gopukumar, **Dr. Syed Usman Ali Subeena Begum**, Dr. Prabhakaran Kala Praseetha , Dr. Swamidurai Arul Diana Christie, Dr Kulsum Sameen Abdul Jabbar, Dr. Sadayan Paramasivam, Dr. Ruban Packiasamy, Dr. Thota Suchitra Naidu, Mrs Mercy Thomson

Member –Board of Studies Zoology M.Sc., Programme in Regular in 2017-2018

Member –Board of Studies Zoology M.Sc., Programme in Distance mode since 2018

Resource Person- 5th International Conference on Emerging Trends in Multidisciplinary Research held from 20-4-2019 to 22-4-2019 in **National University of Singapore, Singapore.**

Organising Committee Member in International Women Conference on Advances in Science and technology and Awards2023 organised by Arunai International research foundation,India & **Sanata Dharma University ,Yogyakarta, Indonesia** conducted on 16th april 2023 (online).

Nodal Officer from Dec 2020 to Mar 2022 for DDE online examination conducted by Alagappa university,Karaikudi

Vice President - Alagappa University Faculty Association from 2018-2020.

Warden,Science Campus Women's Hostel from 2015-2017 Alagappa University,India.

Faculty member –M.Sc.,Zoology Regular Alagappa University from 2015 to 2020

Faculty member –M.Sc.,Zoology distance education mode Alagappa University since 2015.

Faculty member –M.Phil.,Zoology Summer Sequential Programme 2017 to 2019.

Organising secretary in 2nd National Seminar on Next generation technology for Sustainable Fisheries organised by Dept of Fisheries Science and Dept of Animal Health and Management held on March 29 and 30 2022 at Alagappa University,Karaikudi,Tamil Nadu

Organizing Committee Member for 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.

Co-Chairperson-International Conference on Innovative and emerging trends in Botany held on 6th and 7th November 2019 at Alagappa University , Karaikudi.

Organizing Committee Member –Workshop on research methodology, held from 5.2.2018 to 11.2.2018,DDE Alagappa University in collaboration with Indian Academic Researchers Association, Trichy.

Convener World Animal Day celebration-held on 4-10-2019 ,Dept of Animal Health Management, Alagappa University, India.

Event Co-Ordinator-Alagappa University Inter Collegiate Talent Exhibit Show held on 2.2.2019 and 3.2.2019

Chief Guest for Graduation Day-held on 12-4-2018 in Uswathun Hasana Women'sCollege,Pallapatti Karur Dist ,Tamil Nadu.

Organizer-Hostel day ,Alagappa University held on 25-3-2017

Event judge-Dept Celebration-Slogan Writing And Rangoli in 2018 Alagappa University

Member-pre registration entrance examination interview committee in Zoology in Alagappa University from 2015 to 2019.

National Seminar-participation on the title of Humanism in Indian Literature.

Event Co-ordinator-ALUTES 2018,Alagappa University,Karaikudi.

Event Co-ordinator-Systemic Voters Education And Electoral Participation In India.

Internal examiner- Semester practical examination,Alagappa University ,Karaikudi since November 2015.

One day work shop-Design And Development Of MOOCs For The Faculty Members Of Alagappa University And Affiliated Colleges On 8th November 2018(attended).

Invigilator –Semester Examination Alagappa University, Karaikudi since November 2015

Participation -Two days National Workshop on Indigenous cow management and their value added products held on 18th and 19th December 2018 organized by Dept of Animal Health and Management ,Alagappa University, Karaikudi
