

SAJITH AHAMED. M. Phil, Ph. D.

(Assistant Professor in Microbiology and Biotechnology cum
Researcher in genome and protein analysis)

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OBJECTIVES

My dynamic research practices and faculty experiences will provide the best exposure to innovation and motivated learners with beneficiary progressive for the organizations and human welfare.

ONGOING RESEARCH

1. *Panulirus ornatus* (Tiger Lobster) *in-vivo* growth study
2. Improve the WSSV drug development process in *P.monodon* using various phyto chemicals and proteins of medicated plants.
3. New aspect of diagnostic method assay performing for Shrimp viral diagnosis
4. Noval immune protein analysis in *Aedes aegypti* mosquito
5. Protein analysis in silk worm, *Bombyx mori* L.

TEACHING AND RESEARCH EXPERIENCE

2015 onwards
(Current status)

Assistant professor
Department of Microbiology
Hajee Karutha Rowther Howdia College

Tamil Nadu.
India

Handling papers and practicals: Biotechnology, Molecular Biology, Cell Biology, Environment Microbiology and Bioinformatics papers and practical classes in Molecular biology laboratory in Microbiology department.

Other responsibilities: Co-coordinator in Health and Fitness Club and Organized various activities for health and fitness improvement in our campus and to the Public: Blood donation Camps, Food consuming awareness program, Dengue awareness program etc.,

2012 - 2017

**Junior Research Fellow and Completed
Ph.D and M.Phil thesis work**
CAS in Marine Biology, Annamalai
University

Tamil Nadu.
India

Title of Ph.D thesis: “**DNA sequence and characterization of WSSV major envelope proteins (VP28 and VP19) and tegument proteins (VP26 and VP24) and its antiviral activity in *Penaeus monodon* using molecular verdicts**”.

Title of M.Phil thesis thesis: “**Molecular epidemiological investigation of marine viruses in *Fenneropenaeus indicus* cultured in Saudi Arabia using PCR and Fluorescent *in situ* hybridization (FISH) techniques**”.

Junior Research Fellow: In **UGC-CPEPA** (Centre with Potential for Excellence in Particular Area) central government project is for analyzing planktons on 56 estuaries around Tamil Nadu state, India.

2010 - 2012

Junior Research Fellow
Centre for Marine and Coastal Studies,
Madurai Kamaraj University

Tamil Nadu.
India

- R. Shalini, M.A. Badhul Haq, **A. Sajith Ahamed**, M. Uthaya Siva, R. Bakayaraj and M. Srinivasan. Experimental transmission of WSSV to Polychaete *Pereneris cultrifera* in captivity. *Journal of Basic and Applied Biology*, Vol. 7, No.1, 2013, pp. 144-147
- V. Sedhuraman, M.A. Badhul Haq, P. Kavitha, **A. Sajith Ahamed**, M. Niros Banu, Chandan Tiwary and M. Srinivasan. 2014. Geographical differentiation and WSSV infestation of SPF *Litopenaeus vannamei* brood stock shrimp using molecular verdicts. *International Journal of Science Inventions Today*. 2014, 3(6), 566-579.
- V. Sedhuraman, M.A. Badhul Haq, P. Kavitha, **A. Sajith Ahamed**, M. Vishwas Rao, Chandan Tiwary and M. Srinivasan. 2014. Status on non-alien species SPF Pacific white shrimp *Litopenaeus vannamei* in India – an overview. *Journal of Applied Science And Research*, 2014, 2 (5):126-145 (**SJImpact Factor - 6.964**)

PAPERS UNDER PROGRESS

- A. Sajith Ahamed**, M. Mohideen Batcha et al., 2020. An labelling approach confirmation of ventral perivisceral fat body as the exclusive site for vitellogenin synthesis in *Bombyx mori* L. *Physiological Entomology Journal* (Under progress).
- A. Sajith Ahamed**, M. A. Badhul Haq, M. Mohiadeen Batcha, T. N. S. Habeeb Mohamed, and P. Ashok Kumar. 2020. The molecular and morphometric analysis of WSSV and IHNV via PCR, SYBR green RT-PCR and Fluorescent *in situ* Hybridization accessed with Image-Pro version 10.0 software. (Under progress).

CONFERENCE PAPER PRESENTATIONS

- A. Sajith Ahamed**, M. A. Badhul Haq., “Protein 3D structure analysis and molecular docking of WSSV major proteins vp28, vp26, vp24 and vp19 against phytochemical of *Andrographis paniculata*.” International conference on Biotechnology and its applications in aquaculture and fisheries by SERB and DBT, Govt of India, Organizer - CAS in Marine biology, Annamalai University. India, held on 23rd Aug 2017, pp 36.
- A. Sajith Ahamed**, M. A. Badhul Haq., “Studies on isolation and characterization of antiviral compounds from *Andrographis paniculata* for control of white spot syndrome virus in tiger shrimp *Penaeus monodon*.” International conference on Biotechnology and its applications in aquaculture and fisheries by SERB and DBT, Govt of India, Organizer - CAS in Marine biology, Annamalai University. India, held on 23rd Aug 2017, pp 40.

CONFERENCE, TRAINING AND SYMPOSIUM ATTENDED

- Attended Indo-UK Virtual Conference on “Current Innovation and the Future of Therapeutics Developments” 2020, organised by Centre for Biomaterials Cellular & Molecular Theranostics (CBCMT) at Vellore Institute of Technology (VIT), Vellore, India and Swansea University, United Kingdom during 1st-3rd June, 2020.
- Attended seminar on “Hormones and Breast cancer” by Prof. Rajkumar Lakshmanaswamy, PhD, Dean of Graduate School of Biomedical Sciences Texas Tech University Health Sciences Center, El Paso, USA and was organized by Mizoram University, India Held on 28 May 2020.
- Attended workshop of “Outcome Based Education” by H.K.R.H. College, Uthamapalayam. India. Held on 29th Jan 2020.
- Attended workshop of “Teaching and Learning Pedagogy for Faculty” by H.K.R.H. College, Uthamapalayam. India. Held on 30th Dec 2018.
- Attended workshop of “Sacro Pelvic Screws & Cortical Screw” by Institute of Advanced Spine Sciences Gleneagles Global Health City, Chennai on 8th Oct 2017
- Attended “International conference on Biotechnology and its applications in aquaculture and fisheries” by Science Engineering Research Board (SERB) & Department of Biotechnology (DBT), Government of India at Center of Advanced Study in Marine Biology, Faculty of marine sciences, Annamalai university, Parangipettai -608 502, Tamil Nadu. India for period of 23rd Aug 2017 to 25th Aug 2017.
- Research and training experience in “Animal cell culture and antiviral drug development” in Royal Bio Research Center, NO 30A, 10th Cross Street, Dhandeeswaram Nagar, Velachery, Chennai, Tamil Nadu, India for the period of 1-08-2015 to 25-09 -2015.

Attended Research training course “XXIV Prof. K. S. Sonachalam Memorial Research Methodology Workshop” contacted by Annamalai University, Tamil Nadu, India for the period of 06-01-2015 to 09-01-2015.

Attended training of “ICAR short course on Advanced virological techniques in fish disease diagnosis” by Department of Fish Pathology and Health Management. Fisheries College and Research Institute. Tamil Nadu Fisheries University. Thoothukudi. Tamil Nadu. India for the period of 15-09-2014 to 19-09-2014.

Symposium on “Recent trends in shrimp farming” (RTSF-2014) sponsored by UGC, New Delhi in Center of Advanced Study in Marine Biology, Faculty of marine sciences, Annamalai university, Parangipettai -608 502, Tamil Nadu. India held on 25th March 2014.

GENE SEQUENCE SUBMISSION WITH ACCESSION NUMBERS

GenBank Accession number - KU556689	WSSV virus VP19 gene
GenBank Accession number - KU556688	WSSV virus VP24 gene
GenBank Accession number - KU556687	WSSV virus VP26 gene
GenBank Accession number - KU556686	WSSV virus VP28 gene
GenBank Accession number - KU531726	IHHNV virus nonstructural protein 2 gene from Saudi Arabia
GenBank Accession number - KU531725	HPV virus structural protein gene from Saudi Arabia
GenBank Accession number - KU531724	HPV virus polyhedrin gene from Saudi Arabia
GenBank Accession number - KU531723	WSSV virus WSSV 419 gene sequence from Saudi Arabia
GenBank Accession number - KF976715	WSSV virus WSSV419-like protein gene
GenBank Accession number - KF976716	WSSV virus WSSV419-like protein gene
GenBank Accession number - KF917449	MBV virus mbv01 polyhedrin gene
GenBank Accession number - KF917450	MBV virus mbv02 polyhedrin gene
GenBank Accession number - KF834570	HPV virus HPV01 structural protein (HPSP) gene
GenBank Accession number - KF834571	HPV virus HPV02 structural protein (HPSP) gene
GenBank Accession number - KF805628	IHHNV virus IHHNV1 nonstructural protein 2-like (NS2) gene
GenBank Accession number - KF805629	IHHNV virus IHHNV2 nonstructural protein 2 (NS2) gene

EDUCATIONAL QUALIFICATION

DEGREE:

Ph.D., Marine Biotechnology, 2017, CAS in Marine Biology, Annamalai University.

M.Phil., Marine Biotechnology, 2014, CAS in Marine Biology, Annamalai University.

M.Sc., Genetechnology, 2003, Barathidasan University.

B.Sc., Microbiology, 2001, Madurai Kamaraj University.

DIPLOMA:

M.S. Office. Orchid Software Solution, Chennai. 2000

CERTIFICATE COURSES:

"Online Certificate Course in Recombinant DNA Technology (Batch II)", 2020, Uka Tarsadia University,

SKILL IN COMPUTERS:

- Handling various Bioinformatic softwares online and offline.
- Ms- Word, MS-Excel, MS-Power Point
- Internet

PERSONAL INFORMATION

Nationality : Indian

Marital Status : Married
Languages known : English, Tamil, Hindi, Malayalam
Date of Birth : 05-08-1978
Permanente Address : 29 A/2. Hawwa Nager. Elankadai. Kottar. Nagercoil.
Kanayakumari Dist. Nagercoil. Tamil Nadu. India. 629002
Blood Group : "O" negative

PASSPORT DETAILS

Holder of Indian passport # **N4943251**

Exp date: **12-Nov-2025**

REFERENCES

Dr. M. Mohideen Batcha. PhD, PDF

Assistant Professor,
Zoology Department
H.K.R.H.Collage,
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Dr. M. Badhul Haq. PhD

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