**CURRICULUM VITAE**

**Present Address for communication:**

**S.JAGAN MOHAN**

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**Date of Birth :** 08-10-1975.

**EDUCATIONAL QUALIFICATION**

Ph.D., (Aquaculture) Madras University, -- 2008

**Ph.D thesis:** “Studies on the Growth, Biochemical Constituents and Reproductive Performance of the Domesticated Kuruma Shrimp *Marsupenaeus Japonicus* Bate (1888)”.

M.Sc., (Bioinformatics) Annamalai University --- 2006

M.Sc., (Aquaculture) Madaras University --- 1998

B.Sc., (Zoology) Bharathiar University --- 1996

**WORK EXPERIENCE**

**2021- Till now**

 **Ideal college of arts and science working as Faculty in Fisheries and Aquaculture.**

* 2019-20 Achieva educational consultancy worked as Biology NEET-foundation Faculty.
* 2018̶ 2019 NEET-IIT foundation and CBSE Biology faculty in ARB international school.
* 2016-2017Sun Institute of Agricultural sciences for BSc Agriculture students.
* 2012-2013 Guest lecturer for shriram community college, Chennai-India
* 2010 –2011 Worked as Lecturer in the Government college, Chennai- India
* 2009 -worked as Post-Doctoral Fellowship at NPUST,Ping Tung- Taiwan
* 2008 - Visiting Fellow, CEBAR, University Malaya, Kualalumpur,Malaysia
* 2007 - 2008 Senior Research Fellow, Live feed studies-APCESS –Project, in Central Institute of Brackishwater Aquaculture (CIBA), Chennai, India.
* 2006 - 2007 Center for Biotechnology, Anna University, Chennai-600 028, India.
* 2005 - Bioinformatics project work on shrimp viral genome. Anna University, Chennai.
* 2000 -2004 Senior Research Fellow (SRF) under NATP project at CIBA, Chennai, India.

**SKILLS**

* + DNA and RNA isolation, Chromatographic techniques: High Performance Liquid Chromatography (HPLC), Ion exchange, Affinity tags, Gel filtration chromatography.
	+ PCR, RT-PCR and electrophoretic techniques.
	+ Southern and Western blotting, Immunoprecipitation etc.
	+ Fish and shrimp larval production, brood stock Maintenance, water quality analysis, feed preparation, biochemical analysis of samples, data maintenance.
	+ Experience in *M.japonicus*, larval rearing, and brood stock development.
	+ Experience in SeaBass, Grouper Bloodstock, P. monodon,F.indicus Broodstock ,Larval rearing etc.,
	+ Light and ultra microscopy
	+ Isolation, purification and characterization of Vitellin from Shrimps.
	+ Plant tissue culture and extraction of medicinal compounds

**BIOINFORMATICS SKILLS**

* Database (GenBank, EMBL, DDBJ, &PDB).
* Online tool usage (BLAST, FASTA, CLUSTALW, DALI, VAST etc).
* Genome analysis by local and global sequence alignment also structure predictions.
* Protein structure prediction by SPDB.
* Software usages (Chime, Rasmol, Cn3D,Molmol,Bioedit etc)
* Docking with HEX software.
* Phylogenetics by PHYLIP software.

**COMPUTER SKILLS**

* Proficient in Microsoft office, statistical software.
* Obtained Diploma in MULTIMEDIA from ARENA, Tirupati, India.
* Obtained Graduate Diploma,from National Institute of Information Technology (NIIT), India.

**RESEARCH PUBLICATIONS**

Namita Rout, Sudhir Kumar, **Shanmugam Jaganmohan**, Vadivel Murugan (2007) DNA vaccines encoding viral envelope proteins confer protective immunity against WSSV in black tiger shrimp. Vaccine, 25, 2778–2786.

M.Kailasam, A.R.Thirunavukkarasu, Mathew Abraham, R.Subburaj, G.Thiagarajan, K.Karaiyan and **S. Jagan Mohan**. Preliminary report on cage culture of brown spotted grouper *Epinephelus tauvina* (Forskal), **Indian Journal of Fisheries** Vol. 55(4) :353-354,2008.

**S.Jaganmohan** and P.Ravichandran (under communication-) Ultra structural studies on different maturity stages of captive bred Kuruma shrimp *Marsupenaeus japonicus* (Bate-1888).

**ABSTRACTS /POSTER PUBLISHED IN CONFERENCES**

C.Gopal, S.M.Pillai, P.Ravichandran**, S.Jagan Mohan** and S.Rajamanikayam**.** Successful completion of two generation of *Marsupenaeus japonicus bate* under disease free captive conditions.**(2004) -National symposium-Disease problems in aquaculture challenges approach and management- pg 76.**

**S.Jagan Mohan,** C.Gopal, P.Ravichandran**,** Effect of different larval diets on growth and survival of captive bred Kuruma shrimp *Marsupenaeus japonicus* (Bate).-**National conference on ‘Biosecured aquaculture on eco-friendly approach’** BAAE’07. (2007)

**S.Jagan Mohan,** P.Ravichandran**,** ‘Growth and reproductive performance of Hatchery reared female Kuruma shrimp *Marsupenaeus japonicus Bate*’ Poster presentation in **8th Asian Fisheries Forum**, Kochin- Nov-2007.

S. Jagan Mohan, “Applications of IoT in Aquaculture -IDEAL college -2022

**POPULAR ARTICLES PUBLISHED:**

**YEAR 2022-23 NUMBERS: 3**

 **2023-24 NUMBERS: 5**

**AWARDS/TRAINING/WORKSHOPS**

* Qualified ICAR/NET for Lectureship in Fish and Fisheries sciences conducted by Agricultural scientist recruitment board, (ASRB-ICAR), NEWDELHI - 2001.
* Undergone on-job training at BALAJI BIO TECH, INDIA (shrimp Hatchery, processing and shrimp farm.) - 1998
* Brackishwater Fin Fish Breeding - 2000
* Shrimp Breeding and Hatchery Technology - 2000
* Shrimp Disease and Health Management - 2001
* Carp Breeding and Hatchery Management - 2023

**Attended various seminars and symposiums at national level and international.**

* MGRC one day workshop in Bioinformatics - University Malaya – 2008.
* 17th MSMBB Scientific Meeting - Malaysia - 2008

**REFERENCES**

**1).DR.B.ANANDARAJ, Ph.D**

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Anna University of Technology Tiruchirappalli,
Tiruchirappalli, 620 024,. Tamil Nadu

 India.

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