

Dr. Parthiban Fathiraja

Assistant Professor

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Date of Birth: 04.05.1980

Official address: Dept. of Fish Processing Technology, Fisheries College and Research Institute, Tamil Nadu Dr. J. Jayalalithaa Fisheries University, Thoothukudi

Qualification	:	Doctor of Philosophy
Field of Specialization	:	Fisheries Science
Major	:	Fish Post-Harvest Technology
Specializing field	:	Fish and Seaweed Biochemistry
Experience (in years)	:	20 years (10 Industrial + 10 Academic)

Publications

Research Publications :

1. **Parthiban F**., Sugumar G., Kavinesan Kumar , Mohan C.O., Augmentation of bioactivity with addition of clove essential oil into fish scale gelatin, agar and chitosan composite film and biodegradable features August **2023,** Polymer Bulletin, DOI: 10.1007/s00289-023-04961-9. **(IF- 2.87 = NAAS 8.87)**

2. **Parthiban F.,** Sugumar G., Masilan K., Muralidharan N., Mohan C.O., Bharathipriya R., Vedhi C. Process optimization and characterization of composite biopolymer films obtained from fish scale gelatin, agar and chitosan using response surface methodology., Polymer Bulletin (2022) **(IF- 2.87 = NAAS 8.87)**

3. **Parthiban F.,** Sugumar G., Masilan K., Muralidharan N., Mohan C.O., Sukumar D., and Neethiselvan N. Response surface methodology model to optimize concentration of agar, alginate and carrageenan for the improved properties of biopolymer film." Polymer Bulletin 79(1):1-27 DOI: 10.1007/s00289-021-03797-5 **(IF- 2.87 = NAAS 8.87)**

4. **Parthiban F.,** Sugumar G., Masilan K., Muralidharan N., Mohan C.O., Sukumar D., and Neethiselvan N. "Development of a Biodegradable Composite Film From Chitosan, Agar and Glycerol Based on Optimization Process By Response Surface Methodology." Cellulose Chemistry and Technology 55, no. 7-8 (2021): 849-865 **(IF- 1.467= NAAS 7.467)**

5. **Parthiban F.,** Jeya Shakila R., Jeyasekaran G., Shalini R., 2017 Relationship between antioxidative potential and amino acids composition of the bioactive peptides prepared from Indian squid *Uroteuthis (Photololigo) duvaucelii* (d'Orbigny, 1835) using alcalase. Indian J. Fish. 64 (Special Issue): 130-138 **(IF 0.5= NAAS 6.29)**

6. **Parthiban, F.,** Christopher, I. M. M., Selvaraj, S., Surendraraj, A., & Venkataramani, V. K. (2006). Enhancement of ovulation in Goldfish (Carassius auratus) by a supplementary feed incorporated with polychaete worm (Marphysa gravelyi). Indian Journal of Fish, 53(3), 307-312. **(IF 0.5= NAAS 6.29)**

Project operated

Sl. No.	Title of Project	Funding Agency	Amount	PI & Co- PI
1	Kayalagam – The Future Store for Amplification of Marketing of Diversified Fish Products in Tamil Nadu' at FC&RI, Thoothukudi. Rs. 250 lakhs as	National Agriculture Development Programme (NADP)/ Rashtriya KrishiVikas Yojana (RKVY)	250 lakhs	Co-PI
2	Establishment of Marine Products business incubation forum in Tamil Nadu at FC&RI, Thoothukudi. Rs. as Co-PI	Entrepreneurship Development and Innovation Institute, (EDII), Chennai.	250 lakhs	Co-PI
3	Production and Bioactivity of Glucosamine Hydrochloride from Shrimp Shell Waste	Tamil Nadu Dr.J. Jayalalithaa Fisheries University (TNJFU)	2 lakh	PI
4	Quality evaluation of chitin and chitosan from various shellfish waste and their resource potential in Tamil Nadu	Tamil Nadu Dr.J. Jayalalithaa Fisheries University (TNJFU)	2 lakh	PI