

Individual Bio data

Name : Dr. K. MASILAN

Designation : Assistant Professor

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Qualification : Ph.D (Fish Processing Technology)

Field of Specialization : Fish Processing Technology

Major :Seafood biochemistry & Fishery By-products

Specializing field : Marine Bio-polymers, Fish waste utilisation

Experience (in years) : Teaching - 4 years
Research - I year

Current Project: Nil

Completed Project: Nil

Research publications (max – 6 Nos) :

- Gokulprasanth, M, Benjakul, S, Prodpran, T, Robinson JS, **Masilan K**, Vaisshali Prakash Arul Prakasam, and Muralidharan Nagarajan. (2024). "Properties and Characteristics of Fish Skin Gelatin-Based Three-Layer Film Developed with Bioplastics and Physalis Leaf Extract." *Waste and Biomass Valorization*: 1-16.

- **Masilan, K.,** Neethiselvan, N., Shakila, R. J., Muralidharan, N., Karthy, A., Ravikumar, T., & Parthiban, F. (2022). Investigation on the coacervation of fish scale gelatin hydrogel with seafood waste hydrolysates for the development of artificial fish bait: Physico-chemical, thermodynamic, and morpho-structural properties. *Journal of the Indian Chemical Society*, *99*(11), 100783.

- Fathiraja, P., Gopalrajan, S., **Karunanithi, M.,** Obaiah, M. C., Rajasekaran, B., & Vedhi, C. (2022). Process optimization and characterization of composite biopolymer films obtained from fish scale gelatin, agar and chitosan using response surface methodology. *Polymer Bulletin*, 1-33.
- **Masilan, K.,**Neethiselvan, N., Shakila, R. J., Karthy, A., Arisekar, U., Muralidharan, N., ...&Ranjith, L. (2022). Development of fish gelatin-based artificial fish baits incorporating bioattractants from seafood processing waste. Journal of the Indian Chemical Society, 99(3), 100376.

- Fathiraja, P., Gopalrajan, S., **Masilan. K**, Nagarajan, M., Obaiah, M. C., Durairaj, S., &Neethirajan, N. (2021). Response surface methodology model to optimize concentration of agar, alginate and carrageenan for the improved properties of biopolymer film. Polymer Bulletin, 1-27.

- **Masilan, K.,** Neethiselvan, N., Sivaraman, B., Ravikumar, T., Nagarajan, M., Karthy, A., & Sukumar, D. (2021). Valorization of discarded industrial fish processing wastes for the e xtraction of gelatin to use as biodegradable fish bait matrix using RSM. *PeerJ Materials Science*, *3*, e14.

Honours and Awards:

Name of the Award	Year	Award Given by (Organisation)	Award given for (Purpose of award)
Best Paper Presentation	2022	Award given by Asian Fisheries Society in 12th Indian Fisheries and Aquaculture Forum (12th IFAF), Chennai	Best research paper Presentation
Best Junior Scientist award	2022	Society of Fisheries and Life Sciences, Bangalore, Karnataka	Best Research work
Appreciation award	2019	Award given by Asian Fisheries Society in 12th Asian Fisheries and Aquaculture Forum (12th AFAF), Iloilo, Philippines	Best oral paper Presentation