



March 10, 2023

Expression of interest – Cadalmin™ Immunalgin extract (Cadalmin™ IMe) developed by CMFRI, Kochi, Kerala

Central Marine Fisheries Research Institute (CMFRI), Kochi invites Expression of Interest (EoI) to out-license the nutraceutical product Cadalmin™ Immunalgin extract (Cadalmin™ IMe) developed by the Institute from seaweeds to improve the immune system to the registered companies with a proven track record:



Nutraceutical to improve immune system: Cadalmin™ Immunalgin extract (Cadalmin™ IMe) from seaweed.

Cadalmin™ Immunalgin extract (Cadalmin™ IMe) is a seaweed-based nutraceutical product, which is a 100% natural blend of bioactive ingredients extracted with ecofriendly 'green' technology to boost the innate immunity. Cadalmin™ IMe elevates innate immune responses by the regulation of the secretion of pro-inflammatory cytokines and chemokines. Cadalmin™ IMe exhibited the immunomodulatory potential by increasing bone marrow stem cell differentiation, α -esterase activity, and lymphocyte blastogenesis in immunosuppressed subject. TCP-3 also induced antiviral and immune activation by upregulating serum IFN- γ and IL-2 levels in immunosuppressed animals. Anti-inflammatory activities of sulfated galactofucan were exhibited by regulating the secretion of pro-inflammatory cytokines, such as TNF- α , IL-6/1 β /12, TGF- β , and NO in different in vitro and in vivo models. Cadalmin™ IMe has no side effects (LD_{50} > 4000 mg/kg BW) as proved from the acute/long term chronic toxicity studies on experimental subjects.

The nutraceutical product has been scientifically evaluated and all research documentation is available with the Institute. Interested registered companies (private or public) with proven track records may contact or send an expression of interest by post in the prescribed format to the following address within 25 days of publication of this advertisement.

The Director

(Kind Attention: Assistant Administrative Officer-Coordination)

Central Marine Fisheries Research Institute, Ernakulam North P.O., Kochi-18, Kerala

Format for Expression of Interest (EoI)

Name of the firm	Address	Brief profile of the firm concerned	Licence Fee (Onetime payment for a period....years)	Royalty (% of profit that can be shared with CMFRI)	Any other mode of collaboration/licensing with detailed justification

Terms and conditions

- The company should optimize product production according to CMFRI inputs
- Bear all costs involved in trial runs.
- The company will also have marketing rights in India for online sales for the specified duration of the license, bulk sales, and retail sales only in India.
- Third-party transfer of the technology will not be permitted.
- Marketing abroad shall require approvals from CMFRI/ICAR/ Govt. of India on mutually agreed terms
- Exclusive licensee will have R & D support of CMFRI during the period of license
- Formulations and sources of all raw materials will be provided by the Institute
- **The highest bidder will be selected for entering into a memorandum of understanding (MoU)**
- Selection of the bidders may be also at the discretion of the Director CMFRI if required
- There is no bidding fee and the company with whom CMFRI enters into an MoU shall be published on the website of CMFRI www.cmfri.org.in within 60 days of the signing of the MoU
- An existing licensee of CMFRI should appraise the worth of the earlier out-licensed products.
- Correspondences from unsuccessful bidders cannot be entertained.

Director CMFRI Cochin



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Format for open advertisement in newspapers and CPP Portals

Tender Enquiry No. ITMU/CMFRI/OL-4/2022-2023

Dated: 10th March 2023

The Director, Central Marine Fisheries Research Institute, PB No. 1603, Ernakulam North P.O., Kochi-682 018 invites sealed tenders from the competitive bidders to out-license **Cadalmin™ Immunalgin extract (Cadalmin™ IMe) developed by the Institute from seaweeds to improve the immune system** developed by ICAR-Central Marine Fisheries Research Institute. Tender documents issued by this office or downloaded from our official website (www.cmfri.org.in) only be accepted. **Interested registered companies** (private or public) with proven track records may send the tender by post in the prescribed format (as detailed at our official website www.cmfri.org.in) to the address (**The Director (kind attention: Assistant Administrative Officer-Coordination), Central Marine Fisheries Research Institute, PB No. 1603, Ernakulam North P.O., Kochi-682 018, Kerala**), from 25 days of publication of the advertisement.

(Director, CMFRI)