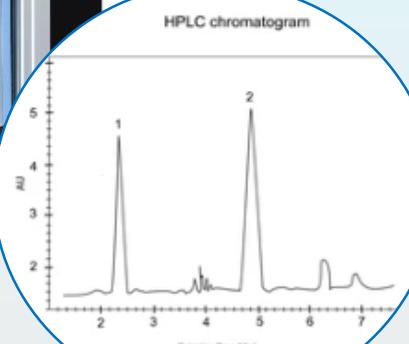
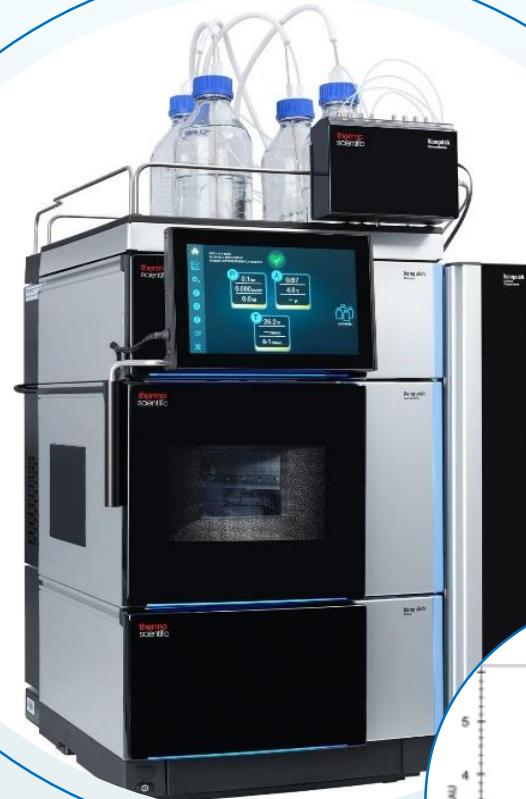


CSIR-Integrated Skill Initiative

Hands-on HPLC training for qualitative analysis of bio-actives from marine algae



Venue

**CSIR – CSMCRI – Marine Algal Research Station,
Mandapam camp – 623 519,
Ramanathapuram District, Tamil Nadu.**

Phase I: January 21st – 23rd, 2026

Phase II: January 28th – 30th, 2026

CSIR-Central Salt & Marine Chemicals Research Institute (CSMCRI), a premier national laboratory under the Council of Scientific and Industrial Research (CSIR), through its extension unit—the Marine Algal Research Station (MARS), Mandapam camp, Tamil Nadu—offers a specialized **Hands-on Training Program on High-Performance Liquid Chromatography (HPLC)**. MARS is exclusively dedicated to research, development, and capacity building in seaweed and marine algae-based products.

Aligned with the objectives of the **Skill India Mission**, this training program is designed to impart industry-relevant analytical skills to **undergraduate and postgraduate students, research scholars, professionals, and industrial personnel**. The program aims to provide comprehensive exposure to HPLC principles, instrumentation, and applications, with particular emphasis on the analysis of bioactive and biochemical compounds from marine algae.

The training integrates **strong theoretical foundations with intensive hands-on laboratory sessions**, delivered by experienced professionals from research institutions and industry. Participants will gain practical expertise in HPLC system operation, sample preparation, method development, chromatographic data interpretation, and troubleshooting. Special focus is given to the qualitative and quantitative analysis of **amino acids, pigments, carotenoids, and other high-value bio-actives** extracted from commercially important marine algal biomass.

By bridging academic learning with real-world analytical practices, the program enhances technical competency, employability, and innovation potential. Participants will be equipped to address practical analytical challenges in sectors such as **pharmaceuticals, nutraceuticals, biotechnology, food, and marine bioresources**, thereby supporting career advancement and entrepreneurship in analytical sciences.

Who Should Attend

- M. Sc., / B. Tech., students in Biotechnology, Life Sciences, Chemistry & related disciplines.
- Research scholars & early-career scientists seeking practical training in analytical techniques.

Key Takeaways

- Hands-on proficiency in HPLC operation, method development, and data interpretation.
- Practical skills for qualitative and quantitative analysis of bio-actives from marine algae.
- Industry-aligned analytical expertise enhancing employability and professional readiness.



Dr. R. DINESHKUMAR

Principal Scientist,
Marine Algal Research Station,
CSIR – CSMCRI, Mandapam camp, TN



Dr. R. VIVEK

Associate Professor (Chemical Engineering),
Birla Institute of Technology & Science, Pilani,
K K Birla, Goa campus

Speakers



Dr. D. GUNASEELAN

Senior Scientist (Drug product development),
M/s Alvotech, Reykjavík, Iceland



Dr. B. SAMUEL JACOB

Associate Professor (Biotechnology),
SRM Institute of Science and Technology,
Chennai



CSIR - CSMRCI

के न्द्रीय नमक व समुरी रसायन अनुसंधान संस्थान
(वैज्ञानिक तथा औद्योगिक अनुसंधान पररष्ट, भारत) निजूभाई बधेका
मालिंग, भावनिर 364002 (ગुजरात)

CSIR- Central Salt & Marine Chemicals Research Institute
(Council of Scientific & Industrial Research, India) Gijubhai
Badheka Marg, Bhavnagar - 364 002 (Gujarat)
www.csmcri.res.in



CSIR Integrated Skill Initiative

TRAINEE ENROLLMENT FORM

TITLE OF SKILL DEVELOPMENT PROGRAM :		CSIR Integrated Skill Initiative “Hands-on HPLC training for qualitative analysis of bio-actives from marine algae”
VENUE :		CSIR- CSMRCI Marine Algal Research Station, Mandapam camp 623 519, Ramanathapuram DT, TN
DATE(S), TIME: PLEASE SELECT ANY ONE PHASE (your phase selection subject to change due to administrative reason)		<input type="checkbox"/> Phase I Date: January 21st to 23rd, 2026 Time: 9.30 AM to 5.30 PM
		<input type="checkbox"/> Phase II Date: January 28th to 30th, 2026 Time: 9.30 AM to 5.30 PM
FULL NAME OF TRAINEE :		
FATHER'S / HUSBAND'S NAME :		
ADDRESS		
DATE OF BIRTH (DD/MM/YYYY) :		
GENDER (MALE / FEMALE / OTHERS) :		
CATEGORY (SC / ST / OBC / EWS / GENERAL) :		
PHYSICALLY DISABLED (YES / NO) :		
CURRENT STATUS (working/ entrepreneur/ student/ unemployed/ school dropout) :		
QUALIFICATIONS :		
PHOTO ID NUMBER (Aadhaar/ PAN/ Voter ID/ Passport) :		
MOBILE NUMBER :		
ALTERNATE MOBILE NUMBER :		
EMAIL ADDRESS :		
TRAINEE'S DOMICILE (RURAL / URBAN) :		
FEE PAYMENT DETAILS :		
DATE:		
PLACE:		
SIGNATURE OF APPLICANT		

TRAINING PROGRAM FEE

₹ 1000/- + ₹ 180/-GST = ₹ 1180/-	Category I : Self-sponsored [Students, Individual (other than student) and Entrepreneur (as an individual)]
₹ 5000/- + ₹ 900/- GST = ₹ 5900/-	Category II: Any sponsored candidate (Government, Industry and sponsored by Entrepreneur)

DIGITAL PAYMENT ONLY WILL BE ACCEPTED and NO CASH TRANSACTION.

Details of fee payment

Amount:	
Bank Name:	
Branch Name:	
Account Number:	
Transaction ID and Date:	
SIGNATURE OF DEPOSITOR/ APPLICANT Name: _____	

- Send the completed enrolment form along with your CV by **January 10, 2026**, via email to **hplcmars@gmail.com**.
- Selected candidates will be notified by email regarding payment details one week prior to the commencement of the training program.
- For queries, contact **hplcmars@gmail.com** or WhatsApp message @ **9047325434**.
- Accommodation must be arranged by the candidates themselves.
- No accommodation will be provided by the Institute.

Bank details of CSIR-CSMCRI for Trainee Program Fee



केन्द्रीय नमक व समुद्री रसायन अनुसंधान संस्थान
गिजुभाई बधेका मार्ग, भावनगर- ૩૬૪ ૦૦૨

CSIR-CSMCRI CSIR-CENTRAL SALT & MARINE CHEMICALS RESEARCH INSTITUTE
Gijubhai Badheka Marg, Bhavnagar 364 002, Gujarat, India
Phone No. (O) 0278, 2471792 E-mail: fao@csmcri.org

Electronic Fund Transfer Account Details

1	Name of account holder	DIRECTOR, C.S.M.C.R.I.
2	Address	GIJUBHAI BADHEKA MARG, BHAVNAGAR 364002
3	e-mail address	fao@csmcri.org
4	Phone No./Mobile No.	0278-2471792
5	Fax No.	0278-2567562
6	Permanent Account Number (PAN)	AACCC1313P
7	Particulars of Bank Account	
	A. Name of the Bank	STATE BANK OF INDIA
	B. Name of the Branch	WAGHAWADI ROAD BRANCH
	C. Branch Code	10863
	D. Address	Shubham Shop No.G2/3, Plot No.2569 E1/2, Waghawadi Road Opp. Gulista Ground, Bhavnagar-364002 e-mail: sbi.10863@sbi.co.in
	E. Telephone No	0278- 2569884
	F. Account No.	30267310153
	G. Type of Account	SAVINGS BANK ACCOUNT
	H. IFSC Code (RTGS/NEFT)	SBIN0010863
	I. MICR code	364002023