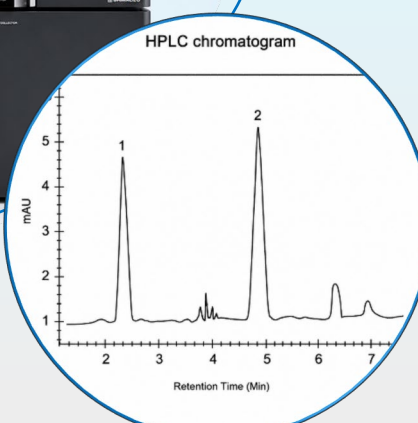
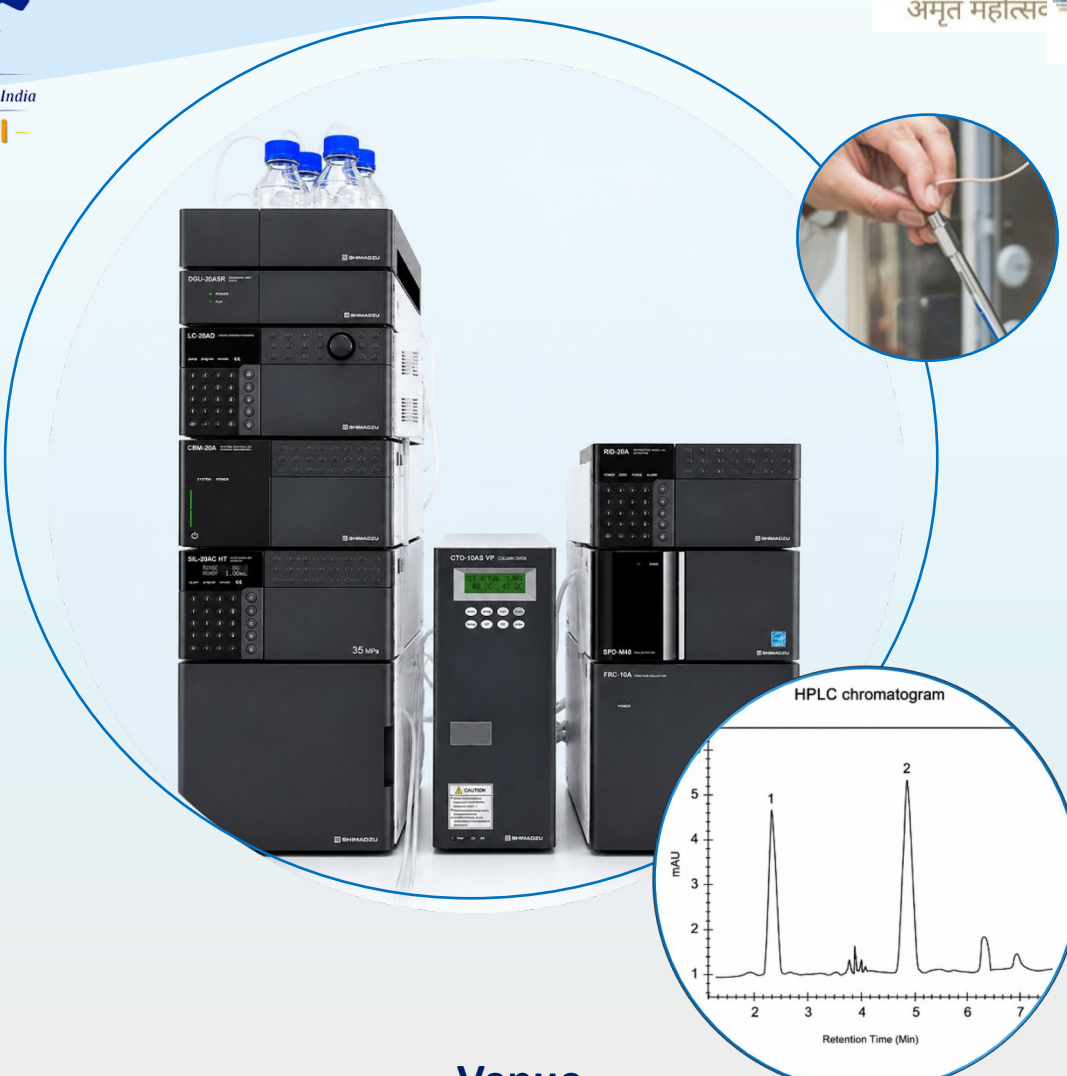


# CSIR-Integrated Skill Initiative

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



**CSIR**  
The Innovation Engine of India  
**- CSMCRI -**



### Venue

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

**Phase I: August 12<sup>th</sup> – 14<sup>th</sup>, 2026**

**Phase II: August 19<sup>th</sup> – 21<sup>st</sup>, 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. KHANJAN TRIVEDI**

Senior Scientist,  
CSIR – CSMCRI, Bhavnagar



**Dr. B. SAMUEL JACOB**

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



**Dr. HARSHAD R.  
BRAHMBHATT**

Sr. Technical Officer (1)  
CSIR – CSMCRI, Bhavnagar



TRAINEE ENROLLMENT FORM

TITLE OF SKILL DEVELOPMENT PROGRAM	:	<b>CSIR Integrated Skill Initiative “Hands-on HPLC training for qualitative analysis of bio-actives from marine algae”</b>
VENUE	:	CSIR- CSMCRI Marine Algal Research Station, Mandapam camp 623 519, Ramanathapuram DT, TN
DATE(S), TIME: <b>PLEASE SELECT ANY ONE PHASE (your phase selection subject to change due to administrative reason)</b>	:	<input type="checkbox"/> <b>Phase I Date: August 12<sup>th</sup> to 14<sup>th</sup>, 2026</b> Time: 9.30 AM to 5.30 PM  <input type="checkbox"/> <b>Phase II Date: August 19<sup>th</sup> to 21<sup>st</sup>, 2026</b> 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 **August 01, 2026**, via email to **[hplcmars@gmail.com](mailto: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](mailto:hplcmars@gmail.com)** or WhatsApp message @ **9047325434**.
- Accommodation must be arranged by the candidates themselves.
- No accommodation will be provided by the Institute.
- Working Lunch will be provided on all three training days.



**[Find CSIR-CSMCRI-Marine Algal Research Station](#)**