About CIPET

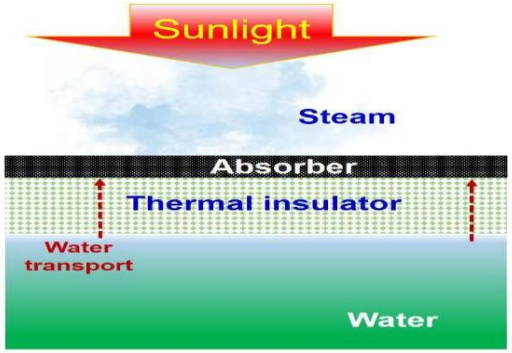
Central Institute of Plastics Engineering & Technology (CIPET) was established in 1968 by Government of India with the assistance of United Nations Development Programme (UNDP) at Chennai. The main objective of setting up of this specialized institute was to develop manpower in different disciplines of Plastics Engineering & Technology. During the initial project period between 1968 and 1973, the institute achieved the targets envisaged and was rated as one of the most successful UNDP projects implemented worldwide. Today CIPET is a premier Academic institution for higher & technical education under the Ministry of Chemicals & Fertilizers, Govt. of India fully devoted in all the domains of plastics viz:- Design, CAD/CAM/CAE, Tooling & Mould Manufacturing, Production Engineering, Testing and Quality Assurance. CIPET operates from various locations spread across the country

About SARP Bengaluru

School for Advanced Research in Polymers (SARP) (formerly known as APDDRL), is a R&D wing of CIPET to cater to the various research needs of industries and would provide a great opportunity to the industries and academia to use the advanced facilities.

The major objectives of the CIPET: SARP - APDDRL are to carryout Research & Development activities in the area of polymeric materials, testing and evaluation, product development and commercialization along with facilitating research scholars and Scientists to pursue Research programs. The R&D Centre has full-fledged materials characterization facility with broad specialization in product development and simulation. The centre shall coordinate and provide centralized support and service to various academia and industries for their research requirements

Event Organizer
Dr. Jaydevsinh M. Gohil



Solar-driven photothermal evaporator

Address for Correspondence

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CIPET: School for Advanced Research in Polymers (SARP) 7P, Hi-Tech Defence and Aerospace Park Jalahobli, Devanahalli, Bengaluru - 562 149
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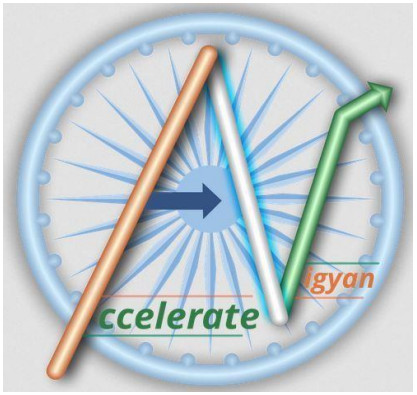
Research Internship Program (VRITIKA)

(Supported by SERB, Accelerate Vigyan Scheme 2020)

On

Studies on Development of Nanostructured Photothermal Membranes for Water Evaporation

Duration: About 45 days



Organized by

CIPET: School for Advanced Research in Polymers (SARP) - Bengaluru
7P, Hi-Tech Defence and Aerospace Park
Jalahobli, Bengaluru North, Devanahalli,
Bengaluru - 562 149

Research Internship Program

VRITIKA

VRITIKA is the call for initiation and practice in science through research internships. This program aims to provide opportunities to promising PG students from universities and colleges to get exposure and hands-on research experience.

The scheme is meant to support regular PG level students who are having a strong orientation and potential towards scientific and engineering research and pursuing their degree from University / Institution within India, but do not have requisite infrastructure or expertise in their institutions, to be able to get first such exposure and motivation.

This internship program is aimed at the Final Year Post Graduate Students of Science / Engineering/ Technology who have research aptitude and enthusiasm to learn the nanostructured membranes/materials and their characterization. The program offers participants an internship rich in experimental learning and professional development opportunities, as well as a chance to be a part of our membrane group in emerging technologies in water treatment processes.

Internship program also offers the Postgraduate students a chance to interact with Scientists of CIPET:SARP, Bengaluru for their future research endeavors.

Programme Objectives

To provide research internship to Final Year Post Graduate Students who are interested in the area of photothermal materials for water purification. The internship will provide them opportunities to hands on experience in preparation and characterization of Nanocomposites by particle size analyzer, solar simulation and photo-thermal water evaporator. At the end of internship, the participants will be provided with certificate.

This internship program is targeted towards Final Year PG students from Govt. / Govt. aided / self-financed engineering colleges who have interest in water treatment materials and to pursue research after their PG studies.

Eligibility

Final Year PG Students studying in Polymer Science/ Bio-Polymer Science/ Polymer/ Plastic Engineering / Chemical Technology/Chemistry/Physics

Duration: about 45 days

No. of Internships: 5 Nos.

How to Apply

Duly filled application form in the prescribed format shall be sent to the **Event Organize**r so as to reach on or before 2nd Jan. 2021. The applicant may also send an advance scanned copy of the application form along with Semester mark sheets of the first year of PG Course, letter from the Head of Department / Principal through E-mail. The selection is based on the merit and interview. The selected participants will be intimated by email.

Accommodation

- Boarding and Lodging is provided free of cost in the CIPET: SARP Bangalore campus for outstation participants.
- The participant will not be paid any stipend.

Registration Form

Research Internship Program **(VRITIKA)** on

Studies on Development of Nanostructured Photothermal Membranes for Water Evaporation

January 2021 – March 2021

School for Advanced Research in Polymers (SARP)

Central Institute of Plastics Engineering & Technology

(CIPET), Bengaluru

Name:

PG Course: M. Sc / M.Tech

Branch:

Year of Study:

Department:

Institute:

Photograph

Mailing Address:

Mobile:

E Mail:

Accommodation required? Yes/ No Available

Dates in the month of Jan to March:

The above information provided is true and to the best of my knowledge. If, selected, I agree to abide by the rules and regulations of the program and CIPET-SARP Bangalore.

Signature of Candidate