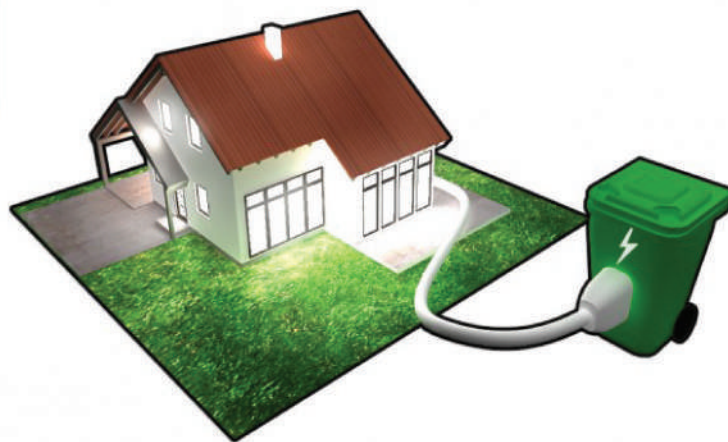


**REGISTRATION FEES (INCLUSIVE OF GST AS APPLICABLE)**

All delegates attending the workshop must register by filling the registration form available on the website of NIT Trichy and by paying registration fees as follows:

Category	Registration Upto November 5 <sup>th</sup> , 2019	Late Registration
Industries & Govt. organizations	INR 4000	INR 4500
Faculty	INR 3000	INR 3500
Students	INR 2500	INR 3000



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Scheme for Promotion of Academic and Research Collaboration

**“SPARC” Sponsored Two weeks Workshop**

on

**Recent Technologies on Waste to Energy Conversion**

**02<sup>nd</sup> December - 13<sup>th</sup> December 2019**

**Organized by**

**Department of Mechanical Engineering**

**Department of Chemical Engineering**

**National Institute of Technology-Tiruchirappalli**

**in association with**

**Fluminense Federal University**

**Federal University of Rio de Janeiro**

**Brazil**

**RESOURCE PERSONS**

**Prof. Amaro Olimpio Pereira Junior** worked as technical advisor of the Energy and Environment, Department at Energy Research Company (EPE) in Brazil; Visiting Professor at University Pierre Mendès-France in Grenoble, France and at the University of Texas at Austin, Texas. Currently, he is Associate Professor in Energy Planning Program at COPPE/UFRJ, and director of the Institute for Strategic Development of the Energy Sector - ILUMINA.

**Dr. Anand Ramanathan** currently serves as an Associate Professor in the Department of Mechanical Engineering at NIT. He is a recipient of Australian Endeavour Fellow, Australian National University, Canberra, Australia from July to October 2015. He has published 31 Science Citation journals and filed 7 Indian patents. I have also contributed 12 book chapters in a renowned publication (Elsevier & Springer) and received several projects from GTRE-DRDO, DST-SERB, DST-YSS, DST-UKERI, MHRD, and SPARC.

**Dr. K.M. Meera Sheriffa Begum** working as a Professor and Head in the Chemical Engineering Department NIT Tiruchirappalli. She has received best paper awards, RACET-2011, Kochi, TICPT 2017. She has published two patents, several publications and undertaken various projects.

**Dr. Claude Cohen** completed her Ph.D. in Energy Planning Emphasis in Environmental Planning- COPPE/UFRJ in 2002. She is currently working as Associate Professor at the Universidade Federal Fluminense and collaborative teacher at the Federal University of Rio de Janeiro. Works in Economics with emphasis in Energy Economics and the Environment.



1920 | 2020

UNIVERSIDADE FEDERAL DO RIO DE JANEIRO



### ABOUT NATIONAL INSTITUTE OF TECHNOLOGY, INDIA

National Institute of Technology, Tiruchirappalli (NITT), is one among the premier Institutions of India and is well known for its high standards in teaching and research. It offers 10 Undergraduate and 23 Postgraduate programmes in the disciplines of Engineering, Science, Architecture and Management. It has been declared as an Institute of National Importance by the Government of India under NIT Act. NITT retained its 1st position amongst its 31 counterparts in the country in the National Institutional Ranking Framework (NIRF) 2019 Ranking (Engineering) released by the Union Ministry of Human Resource Development and also found place in top 10 engineering colleges in the country.

### ABOUT MECHANICAL ENGINEERING DEPARTMENT

The Department of Mechanical Engineering is one among the first three departments established in 1964. With a team of highly qualified faculty members, the department consistently strives to be a globally renowned Department in Mechanical Engineering where the best of teaching, learning and research synergize to fulfil the requirements of industry and society. As a feather in its cap, the department has been ranked between 300 - 450 consecutively for the past three years in the QS world ranking which makes the department unique among all NITs in the country.

### ABOUT CHEMICAL ENGINEERING DEPARTMENT

Established in 1967, the Department of Chemical Engineering, NIT Tiruchirappalli is regarded as one of the premier centers for Chemical Engineering in India by industries as well as academia. It has also the distinction of being ranked as one of the top seven Chemical Engineering divisions in India by Chemical Engineering Faculties.

### ABOUT FEDERAL UNIVERSITY OF RIO DE JANEIRO (UFRJ), BRAZIL

The Federal University of Rio de Janeiro (UFRJ) or University of Brazil is a public university in the state of Rio de Janeiro, Brazil. UFRJ is the largest federal university in the country and is one of the Brazilian centers of excellence in teaching and research. In terms of scientific, artistic and cultural productions it is recognized nationally and internationally due to the great teachers, researchers, reviews and assessments made by international agencies. In 2017 QS World University Rankings ranked UFRJ as the best Brazilian federal university, as well as the third best university in the country occupying the seventh position among institutions of Latin America.

### ABOUT FEDERAL UNIVERSITY OF FLUMINENSE (UFF), BRAZIL

Founded in 1960, Universidade Federal Fluminense (UFF) is a public institution, part of the Brazilian federal higher education system. Its headquarters are located in the city of Niterói and its campuses can be found in various parts of the state of Rio de Janeiro, as a result of a strong decentralization policy. UFF stated mission is to produce, disseminate, and apply knowledge and culture in a critical and socially relevant way

### ABOUT "SPARC"

The Scheme for Promotion of Academic and Research Collaboration (SPARC) aims at improving the research ecosystem of India's Higher Educational Institutions by facilitating academic and research collaborations between Indian Institutions and the best institutions in the world from 28 selected nations to jointly solve problems of national and international relevance.

### OBJECTIVE OF THE WORKSHOP

Introduce the technical development, application and practice experience of waste to energy conversion in India, promoting the application of recent technology in developing countries to tackle the challenge of "Management of Biomass residues" ensuring sustainable development of urbanization and improving the life quality of citizen. Help the developing countries to enhance the research level in waste to energy conversion. Establish a long-term, stable and close cooperation in science and technology, and widen the international collaboration and communication in waste to energy conversion between India and other developing countries.

Seminar Topics:

1. Characteristics of waste, and development and situation of waste to energy, as well as the waste management experience in India.
2. Waste to energy technologies and the corresponding policies and regulations.
3. Design process of waste to energy plant, and design and manufacture of Pyrolyser and Gasifier.
4. Pollution control in waste to energy conversion process.
5. Non-thermal disposal technologies of solid waste.
6. Operation, investment and benefit of waste to energy project.

## "SPARC" Sponsored Two weeks Workshop

on

## Recent Technologies on Waste to Energy Conversion

02<sup>nd</sup> December - 13<sup>th</sup> December 2019

### REGISTRATION FORM

1. Name (In block letters) :.....

2. Designation:.....

3. Organization:.....

4. Address for Communication:

.....

.....

5. Mobile:.....Land Line:.....

6. E-mail Id:.....

7. Registration category

Industries & Govt. organizations

Academic institutes - faculty  Students

Payment Details:

DD/Cheque No .....Dt..... for Rs.....

Beneficiary name: The Director, NIT-Trichy Payable at SBI

### Declaration

The information provided is true to the best of my knowledge.

If selected, I agree to abide by the rules and regulations of the course and shall attend the course for the entire duration. I also undertake the responsibility to inform the coordinator in case, I am unable to attend the course.

Place:

Date:

Signature

Note: Please send this form by post along with DD/Cheque to

"Dr. R. Anand, Associate Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli - 620015"