

**Advertisement for Maire Tecnimont Research Scholarships  
for Sustainable Development**

Ref. No: NITK/AAIR/CSR-2020-21

Date: 14/12/2020

Applications are invited for **Maire Tecnimont Research Scholarships for Sustainable Development**

Applications are invited from interested meritorious candidates under **Maire Tecnimont Research Scholarships for Sustainable Development**, for CSR funded research project titled “**Bio-waste recycling pilot project**”. The availability of the scholarship will be for a period of one year. The selected candidate will be encouraged to apply for Ph. D/ MTech (Research) at NITK.

Interested candidates should fill their academic and personal details in the prescribed application format and send the same along with attested copies of relevant certificates within 15 days from the date of advertisement to the contact person. Only the shortlisted candidates will be informed by post/E-mail/Phone.

Shortlisted candidates should report to the contact person for certificate verification followed by technical interview. Interview is most likely to be held during the month of December 2020. Any change in the date of interview will be intimated through email. Selection will be based on qualification, experience, and interview performance. TA/DA will not be paid for attending the written test and interview. NITK Surathkal reserves the right to reject any or all the application without assigning any reasons thereof. Selected candidates will be required to join immediately.

Title project	Bio-waste recycling Pilot Project
Sponsoring Company	Tecnimont PL, Malad, Mumbai
Total Cost of the Scholarship	INR 4,32,000/-
Monthly scholarship available	INR18,000/-
Principal Investigator	Dr. Vasudeva Madav
Co-Principal Investigator	Prof T.P. Ashok Babu
Number of Scholarships available	One (Chemical Engineering),
Department/Centre	Department of Mechanical Engineering/Chemical Engineering
Tenure of availability of Scholarships	One year,

Qualification and Experience	<p><b>MTech</b> (Chemical Engineering) having research experience in areas related to anaerobic digestion, waste management, Energy Engineering, Chemical Engineering</p> <p><b>BTech</b> (Chemical Engineering) for MTech (Research)</p> <p>Knowledge of ANSYS and FLUENT Packages and Programming Skills (C- Programming/MATLAB/ Process Simulation ASPEN PLUS Modelling. [Candidate on the verge of completing their degree may also apply]</p> <p>Knowledge about Analytical techniques using GC, GCMS, GCxGC TOFMS, PTR TOFMS, TGA FTIR, NMR, ICP AES</p>
Desirable qualities	<p>Candidate must be able to work independently and flexibly and having the following qualities will be desirable.</p> <ol style="list-style-type: none"> <li>1. <i>Anaerobic Digestion: basic knowledge about</i> laboratory/bench scale work with a technical focus on the basic fundamentals to understand and optimize the process</li> <li>2. <i>Implementation: Pilot/demonstration scale or the field</i> application projects</li> <li>3. <i>Sustainability aspects: Financial, social, environmental aspects,</i> models and simulations, theoretical evaluation, potential analysis, decision support tools</li> <li>4. Excellent analytical and writing skills</li> </ol>
Additional information	May be obtained by contacting the PI directly through email.
Last date for receipt of application	<b>04<sup>th</sup> January 2021</b>

Interested candidates may apply in the prescribed format along with CV, photo copies of relevant certificates, grade/mark sheets, publications etc., and should reach NITK on or before **04/01/2021** by post/email (scanned documents) in the prescribed address below:

Prof Shrkantha S Rao Head, Department of Mechanical Engineering National Institute of Technology Karnataka Surathkal P.O: Srinivasanagar, Mangalore, Karnataka- 575 025	E-mail: <a href="mailto:hodmechanical@nitk.edu.in">hodmechanical@nitk.edu.in</a>
	Tel : +91-0824-2473049
Dr. Prasanna B D Head, Department of Chemical Engineering National Institute of Technology Karnataka Surathkal P.O: Srinivasanagar, Mangalore, Karnataka- 575 025	E-mail: <a href="mailto:prsn@nitk.edu.in">prsn@nitk.edu.in</a>
	Tel: +91-0824-2474057

Contact Person:

Dr. Vasudeva Madav Assistant Professor, Principal Investigator Department of Mechanical Engineering National Institute of Technology Karnataka Surathkal P.O: Srinivasanagar, Mangalore, Karnataka- 575 025	E-mail: <a href="mailto:vasu@nitk.edu.in">vasu@nitk.edu.in</a>
	Tel: +91-824-2473670 M: +91-9008889796

**APPLICATION FOR MAIRE TECNIMONT RESEARCH SCHOLARSHIPS FOR SUSTAINABLE DEVELOPMENT**

<b>For Office Use:</b>	Paste your recent Passport size photo
Serial Number: .....	
Eligible for Written exam/Interview: Yes / No	
Verified the Certificates: .....	

<b>1. Name:</b>	
<b>2. Father's Name:</b>	
<b>3(a). Date of Birth:</b>	<b>3(b). Nationality:</b>

**4. Contact information:**

<b>(i) Address for communication:</b>	
<b>(ii) Mobile No:</b>	
<b>(iii) Email ID:</b>	

**5. Educational Qualifications\***

Class	Subject/ Stream	Board/ University	Name of Institute	Marks/ CGPA	Year of Passing
X					
XII					
UG Degree					
PG Degree					
MPhil					
PhD					
<b>Competitive Exam</b>					
	<b>Qualified</b>	<b>Marks / Rank</b>		<b>Year</b>	
CSIR-UGC NET	Yes / No				
GATE	Yes / No				

**\*Attach self-attested copies of all certificates.**

**6. Work Experience, if any (in years) .....**

Organization	Designation	Duration	Responsibilities

**7. Number of Publications: (Attach a separate list of publications with full details)**

National	International

**8. Workshop/Training programs attended\*:**

S. No.	Details

\*Attach separate sheet (if required)

**9. Other Achievements\*:**

S. No.	Details

\*Attach separate sheet (if required)

**10. Declaration:** All the above information provided by me is true to the best of my knowledge and I understand that, if found incorrect, I may be disallowed to appear in the interview/test or terminated at any stage.

**Date:**

**Place:**

**Signature of the Candidate**

**Note:** Attach the list of enclosures along with the application.

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