

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

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

Date: 09/06/2020

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 is encouraged to apply for Ph.D at NITK. The candidates who has already joined the Ph. D programme at NITK under non-scholarship category are also eligible to apply.

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 Written Test and technical interview. Interview is most likely to be held during the month of July. 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 | Two (One for Mechanical Engineering, One for Chemical Engineering) |
| Department/Centre | Department of (i) Mechanical Engineering (ii) Chemical Engineering |
| Tenure of availability of Scholarships | One year, |

| | |
|--------------------------------------|--|
| Qualification and Experience | <p>MTech (Energy Engineering/ Thermal/ Chemical Engineering) having one year of Teaching/ research experience after Post-Graduate in areas related to anaerobic digestion, waste management, Energy Engineering, Chemical Engineering</p> <p>BTech (Mechanical Engineering/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"> 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 2. <i>Implementation:</i> Pilot/demonstration scale or the field application projects 3. <i>Sustainability aspects:</i> Financial, social, environmental aspects, models and simulations, theoretical evaluation, potential analysis, decision support tools 4. Excellent analytical and writing skills |
| Additional information | May be obtained by contacting the PI directly through email. |
| Last date for receipt of application | 24th June 2020 |

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 **24/06/2020** by post/email (scanned documents) in the prescribed address below:

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

Contact Person:

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

APPLICATION FOR MAIRE TECNIMONT RESEARCH SCHOLARSHIPS FOR SUSTAINABLE DEVELOPMENT

| | |
|---|--|
| For Office Use: | Paste your recent Passport size photo |
| Serial Number: | |
| Eligible for Written exam/Interview: Yes / No | |
| Verified the Certificates: | |

| | |
|-----------------------------|---------------------------|
| 1. Name: | |
| 2. Father's Name: | |
| 3(a). Date of Birth: | 3(b). Nationality: |

4. Contact information:

| | |
|---------------------------------------|--|
| (i) Address for communication: | |
| (ii) Mobile No: | |
| (iii) Email ID: | |

5. Educational Qualifications*

| Class | Subject/ Stream | Board/ University | Name of Institute | Marks/ CGPA | Year of Passing |
|-------------------------|--------------------|----------------------|----------------------|----------------|--------------------|
| X | | | | | |
| XII | | | | | |
| UG Degree | | | | | |
| PG Degree | | | | | |
| MPhil | | | | | |
| PhD | | | | | |
| Competitive Exam | | | | | |
| | Qualified | Marks / Rank | | Year | |
| 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.
