



POSTDOCTORAL RESEARCH FELLOWSHIP FOR THE LIFE CYCLE ASSESSMENT OF TYRE RECYCLING

The Faculty of Science of the Nelson Mandela Metropolitan University in Port Elizabeth, South Africa welcomes applications for a Postdoctoral Research Fellowship in Life Cycle Assessment.

The Faculty has been awarded funding by the Recycling and Economic Development Initiative of South Africa (REDISA) to support research into the valorization of waste tyres. A core focus of REDISA is to create social, economic and environmental value from waste tyres via their conversion into other products.

Through this funding, a Fellowship for research into life cycle assessments of the manufacture of rubber and tyre products, their use, disposal, recycling and re-use has been made available.

The value of the Fellowship is R250 000.00. The Fellowship is tenable for one year. Renewal for a further two years is available upon evidence of satisfactory progress.

After nine months of the Fellowship, on application, the Fellow may, upon evidence of satisfactory progress, be granted an additional R25 000.00 in support of a presentation at an international conference.

The fellow may, on application, be granted an additional R20 000.00 in support of relocation costs to South Africa.

The successful fellow will work with Assoc. Prof. Chris Woolard, Dr. Percy Hlangothi and other staff in the Faculty of Science. The research activities undertaken by the fellow should tackle research into the life cycle assessments of tyre production, distribution, use, disposal, re-use and recycling. A particular emphasis will be placed on life cycle assessments of tyre crumbing, recycling and reclaiming operations.

- i. The purpose of this Postdoctoral Research Fellowship is to provide an opportunity for experiential learning in rubber recycling research.
- ii. The Postdoctoral Research Fellowship is only available to individuals who have achieved the doctoral degree within the past five (5) years. Applicants may not have held full-time or academic posts since achieving their PhD.
- iii. Applicants should have experience in techno-economic analysis, life cycle analysis and or environmental process modelling. Experience in life cycle analysis of the use and disposal of waste material will be an advantage.
- iv. The successful incumbent will be required to comply with the University's approved policies, procedures and practices for the postdoctoral sector.

All applications should be submitted electronically and should include:

- i) a letter of application which indicates the applicant's research expertise, interests and experience,

- ii) a CV including a list of publications,
- iii) copies of academic transcripts, and
- iv) names and contact details of at least two (2) academic staff who have taught, supervised or worked with the applicant.

Candidates may also submit an accompanying research proposal in the areas, detailed above, to support their application.

Applications should be sent via email to Dr. Percy Hlangothi at percy.hlangothi@nmmu.ac.za

The deadline for applications is 18h00 South African time (GMT+2) on 31 August 2015.

Eligible and complete applications will be considered by a sub-committee of the Faculty of Science which will include at least one member of the Department of Chemistry.

It is understood that, subject to formal application by the Nelson Mandela Metropolitan University to the South African Revenue Services, the Fellowship should be exempt from South African tax, although no guarantee can be given.

The Nelson Mandela Metropolitan University reserves the right to disqualify ineligible, incomplete and/or inappropriate applications. The Nelson Mandela Metropolitan University reserves the right to change the conditions of award or to make no award at all. The Nelson Mandela Metropolitan University reserves the right to extend the deadline for applications.

For further information please contact

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