

West Bengal University of Technology

BF-142, Sector 1, Salt lake, Kolkata 700 064

ADVERTISEMENT for Senior Research Fellow

Applications are invited from eligible candidates for the post of two Senior Research Fellows to work on a Indian Council for Agricultural Research sponsored joint research project entitled "Genetic Manipulation Based Enhancement of microbial phosphate and nitrate remediation for waste water treatment" under the NFBSFARA scheme. One SRF would be required to work at West Bengal University of Technology (lead Institute) with Dr Shaon Ray Chaudhuri (details of the work is provided below). Another SRF would be required to work at West Bengal State University with Dr Krishna Ray and Prof A R Thakur (details of the work is provided below). Application along with a biodata indicating the academic track record and any special achievement in the relevant field should be sent to the following e-mail addresses within 20th July 2011: shaon.raychaudhuri@gmail.com, kray91@gmail.com. The subject of the mail should be **SRF application**. The list of eligible candidates would be uploaded at the website (<http://www.wbut.ac.in/>, <http://www.wbsubregistration.org/>) of both the University by 21st July 2011. The hard copy of the application along with self attested copies of all relevant certificates attached to the application needs to be produced during the time of the interview. The candidate is expected to carry the original certificates for verification during the interview on 27th July 2011 at 10AM at the WBUT campus.

Candidates should possess M.Sc./M.Tech in any branch of Life Science/Chemical Engineering with at least 55% aggregate marks in each exam. The position is purely temporary for a period of three years or as and when the project terminates (which ever is earlier). No TA/DA would be provided for attending the interview. The fellowship would be as per ICAR norms and HRA according to University rules.

Work to be carried out at WBUT:

- (a) isolation of microbes from different environmental sites;
- (b) characterization and optimization of accumulation under laboratory condition as well as in waste water of the isolated strains and type strains (control) procured from culture collection.
- (c) testing the efficiency of accumulation and survival in waste water of the transformed strains

Work to be carried out at WBSU:

- (a) the work related to identification of the gene cluster responsible for nitrate and phosphate accumulation and carrying out the classical gene transformation for efficiency enhancement of identified strains provided by the Lead institute;
- (b) to test the transformed as well as non transformed cell for plant growth promotion experiments.

For further details contact at the above mentioned email addresses.

Registrar

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