

इंडियन इंस्टीट्यूट ऑफ टेक्नोलॉजी दिल्ली

हौज खास, नई दिल्ली -110016

(औद्योगिक अनुसंधान एवं विकास इकाई)

INDIAN INSTITUTE OF TECHNOLOGY DELHI

Hauz Khas, New Delhi-110016

(Industrial Research & Development Unit)

No. IITD/IRD/RP04299N/ 76881

Dated: 15/09/2022

Advertisement No.: IITD/IRD/206/2022

Candidates of Indian nationality are invited to appear for the **Walk-in test / interview** for project appointments under the following project. Appointment shall be on contractual basis on consolidated pay renewable yearly or upto the duration of the project, whichever is earlier. निम्नलिखित परियोजना के तहत परियोजना की नियुक्तियों के लिए भारतीय राष्ट्रियता के उम्मीदवारों को वॉक-इन परीक्षा/साक्षात्कार के लिए उपस्थित होने के लिए आमंत्रित किया जाता है। अपॉइंटमेंट वार्षिक आधार पर या परियोजना की अवधि तक समेकित वेतन पर संविदात्मक आधार पर जो भी पहले हो, होगा।

In this project Microbial Consortia for biodegradation/biotransformation of plastic Microorganisms will be isolated for biodegradation of plastic from contaminated soil using enrichment culture technique. The whole genome sequence of the potent microbial strains will be determined and the enzymes will be identified and cloned in a suitable shuttle expression vector. The recombinant bacteria overexpressing the desired enzyme will be used for biotransformation or biodegradation plastic. The enzyme may further be engineered for enhanced activity. The specific objectives will be a) Isolation and identification of plastic biodegrading bacteria b) Identification of the genes responsible for the biodegradation. Studying the kinetics of biodegradation of plastic.

Title of the Project	Plastic biodegradation using microbial consortia and engineered microorganisms & enzymes with focus on Polyethylene (PE) and Polypropylene (PP) (RP04299N)	
Funding Agency	ITC Limited	
Name of the Project Investigator	Prof. Preeti Srivastava [email ID:preeti@dbeb.iitd.ac.in]	
Deptt./Centre	Department of Biochemical Engineering & Biotechnology (DBEB)	
Duration of the Project	Upto: 30/06/2023	
Post (s)	Consolidated Pay-slab / Fellowship	Qualifications
Principal Project Scientist (1)	Rs.56,000-60,000-64,000-69,000-74,000-79,000/- p.m. plus HRA @ 24%	Ph.D. in Environmental Microbiology/Environmental Biotechnology with a minimum of 6 months experience in bioremediation
Walk In Test / Date of Interview	Time of Interview	Venue
10/10/2022	03.00 p.m.	Committee Room, Department of Biochemical Engineering & Biotechnology (DBEB), IIT Delhi, Hauz Khas, New Delhi-110016

The candidates who fulfill the above qualifications/experience should appear for the interview. Kindly bring your formal application on Form No. IRD/REC-4, which can be downloaded from IRD Website (<http://ird.iitd.ac.in/rec>) through proper channel along with complete information regarding educational qualifications indicating percentage of marks of each examination passed, details of work experience and a recent passport size photograph, along with original certificates (both academic & professional) for verification on the date of interview. No candidate, who is already employed at the Institute / IRD shall be interviewed unless his/her application has been duly forwarded by their concerned establishment/sections. 5% relaxation of marks may be granted to the SC/ST Candidates. In case of selection of a retired/superannuated government employee, his/her salary will be fixed as per prevailing IRD norms. अनुसूचित जाति / अनुसूचित जनजाति के उम्मीदवारों को अंकों की 5% छूट दी जा सकती है। एक सेवानिवृत्त सरकारी कर्मचारी के चयन के मामले में उसका वेतन वर्तमान आईआरडी मानदंडों के अनुसार तय किया जाएगा। In case any clarification is required on eligibility regarding the above post, the candidate may contact Prof. Preeti Srivastava at e-mail id:preeti@dbeb.iitd.ac.in

सहायक कुलसचिव, आईआरडी

वितरण

- Head of the Deptt./Centres/Units : It is requested that the contents of the above Advt. be brought to the notice of the staff working in your Deptt./Centre/Unit
- Webmaster, IRD : To put advertisement at IITD website.
- Notice Boards
- Advertisement file
- Prof. Preeti Srivastava, PI, DBEB
- Copy to Chairperson, DRC/CRC