

Walk-In Interview

Project title (1): Development and demonstration of pulp paper mill effluent detoxification technology after secondary treatment by combination of bio-augmentation and constructed wetland treatment process for reuse and prevention of river pollution"

Funding Agencies : Department of Biotechnology (DBT), New Delhi
Tenure of Project : Two and Half years (Up to March 31, 2021)
1. Position : Junior Research fellow (JRF) / Project Fellow
No. of Post : 02 (two)
Stipend : Rs. 25,000 p.m. fixed (1st & 2nd year) & Rs. 28,000 p.m. (3rd year) + 20% HRA for NET/NET-JRF qualified.

Qualification : M.Sc. 1st in Microbiology, Biotechnology or Botany

Desirable qualification: Research experience in same area

Age Limit: Maximum age is 28 years

Objectives:

1. Detail detection (characterization) of persistent organic pollutants (POPs) from discharged pulp paper mill effluent by HPLC, GC-MS/ LC-MS or Ion-TOF.
2. Characterization of autochthonous bacterial communities capable to produce ligninolytic enzyme in different substrate and environmental conditions.
3. Optimization of degradation mechanism of pulp paper mill effluent at tertiary stage treatment by bio-stimulation and bio-augmentation process and characterization of its metabolic products.
4. Optimization of pulp paper mill effluent detoxification in designed subsurface flow constructed wetland treatment system and characterization of rhizospheric bacterial communities.
5. Demonstration of pulp paper mill effluent detoxification technology in two step treatment system.
6. Environmental toxicity assessment of treated pulp paper mill effluent for re-uses i.e. aquaculture, agriculture and park development application
7. Filing of patent and up-scaling of technology package for two stage treatment of pulp paper mill effluent using bio-augmentation process and constructed wetland treatment process.

2. Position : Lab Assistant/ Field Assistant
No. of Post : 01 (one)
Stipend : @Rs. 15000 p.m. (Fixed)
Qualification : Second Class (IInd) B.Sc. in Biology/Microbiology/Biotechnology and good knowledge of computer (MS Office) will be preferred.

Desirable qualification: Research experience in same area

Age Limit: Maximum age up to 28 years

Job Requirement:

- Supporting to laboratory and field work related with project.
- Washing and autoclaving of routine glassware in laboratory for project experiment.
- Assisting for optimization of various parameters during pulp and paper mill effluent detoxification process in designed subsurface flow constructed wetland plant treatment system after bacterial treatment.
- Maintenance and demonstration of pulp and paper mill effluent detoxification technology in two step treatment process.
- Environmental toxicity assessment of treated pulp and paper mill effluent for reuse in aquaculture, agricultural practices and park development.

Project title (2) :Optimization of Post Methanated Distillery Effluent (PMDE) TDS Reduction for Development of Decolorization and Detoxification Technique in Two Step Treatment Process Using Bacteria and Constructed Wetland Plant Treatment.

Funding Agencies : Department of Biotechnology (DBT), New Delhi
Tenure of Project : One and Half years (up to March 31, 2020)

3. Position : Field Assistant
No. of Post : 01 (one)
Stipend : @ Rs. 10,000 (Fixed)
Qualification : 10th Passed.

Desirable qualification: Work Experience in project.

Job Requirement:

- Assisting to the project work in field and Lab as required.

Date of Interview: Dec 7, 2018 at 10:00 am, Deptt. of Environmental Microbiology

The above post is purely temporary and it will be coterminous with completion of project. However, in case of any unsatisfactory performance of candidate the appointment will be terminated by Principal Investigator (PI) with one month prior notice. The terms and the condition of the appointment shall be governed according to DBT, Govt of India. Application in given profarma (**Annexure A**) with necessary certificates should be send to **Prof. Ram Chandra, Dean, SES and Principal Investigator (PI), Department of Environmental Microbiology Babasaheb Bhimrao Ambedkar University, Vidya Vihar Raebareli Road, Lucknow-226025 till Dec 7, 2018**. The applicants should mention their E-Mail Id and telephone number for rapid communication. The eligible candidates should appear walk in interview on **Dec 7, 2018** in office of Principal Investigator (PI), Deptt. Of Environmental Microbiology. TA/DA will not be provided for attending the interview. The application form may be downloaded from University Website: <http://www.bbau.ac.in>



Principal Investigator (PI)

Mob: 9450652324

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To:

1. Notice Board Department of Environmental Microbiology (DEM)
2. The Nodel Officer, BBAU, Web-Site with request to upload this notice on university web-site.
3. DR (Academic)

