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| Job Title | Research Associate |
| PVN ID | CC-2208-005009 |
| Category | Research |
| Location | The CITY COLLEGE of NEW YORK |
| Department | Civil Engineering |
| Status | Full Time |
| Hourly Rate | \$30.00-\$40.00 |
| Hour(s) a Week | 35 |
| Closing Date | Oct 09, 2022 (Or Until Filled) |

General Description

Research Associate to provide technical support for ongoing projects and should be able to initiate research and development of innovative technologies in order to treat municipal wastewaters, and handle /stabilize the combined residual sludge being produced. Specifically, the treatment processes of interest are in the areas of: Biological Nitrogen Removal (BNR) as applied to the main plant flow and to separate centrate treatment, nutrient recovery, optimization of aeration of wastewater to achieve maximum oxygen transfer rates using minimal energy consumption, disinfection of treated wastewater, struvite control and/or prevention, anaerobic sludge treatment and energy recovery, optimization of sludge dewatering etc.

Other Duties

Lead other researchers to carry out experiments in the laboratory and in the field.

Data analysis and plotting

Preparation of power point slides for meetings and carrying out presentations

Preparing manuscripts for publication

Qualifications

Water/waste water chemistry and laboratory analytical skills a must

Knowledge of biological systems

Good verbal and written communication skills

Proficiency in computer skills, Matlab, Sigma plot etc.