

**School of Environmental Science
Mahatma Gandhi University, Kottayam**

Research Fellow (1) and Research Assistant (1)

Applications are invited for the following temporary positions to work in a 3 year research project entitled "*Identification and Quantification of Pharmaceuticals and Personal Care Products (PPCPs) in water and sediments in Vembanad Lake*" sanctioned by the KSCSTE (Govt. of Kerala), Thiruvananthapuram. The details of the positions are-

1. Research Fellow

Number of positions: 1

Total Duration : 3 yrs (however, only performance based extension will be given every year)

Fellowship amount: Rs. 22,000 per month

Basic Qualification: M.Sc. Chemistry with first class or equivalent

Experience (only desirable): experience in handling sophisticated instruments such are HPLC, Mass Spectrometers etc.

2. Research Assistant

Number of positions: 1

Total Duration : 3 yrs (however, only performance based extension will be given every year)

Fellowship amount: Rs. 19,000 per month

Basic Qualification: M.Sc. Chemistry

Details of the Project: The presence of pharmaceuticals and personal care products (PPCPs) which are classified under *emerging pollutants*, in surface water is a growing concern and their identification in water bodies is, thus, an area of tremendous importance. The proposed work is to develop a new analytical strategy for the simultaneous qualitative and quantitative screening of PPCPs in water and sediment of different parts of Vembanad Lake using mass spectrometry (LC-Q-TOF-MS and GC-MS). Both target analysis and non-target analysis will be carried out to identify maximum number of PPCPs. The identity of the PPCPs will be confirmed by using the fragmentation pattern (in the high resolution mass) and using standards.

Interested candidates may apply with detailed CV to "**Prof.C.T. Aravindakumar, Principal Investigator, School of Environmental Sciences, Mahatma Gandhi university, Kottayam, Pin -686 560**" within 3 weeks from the date of this announcement by e-mail, cic@mgu.ac.in . The applications will be subjected to an initial screening based on the suitability, qualification and experience. Only selected applicants from the initial screening will be called for a subject interview (by email only). No TA/DA will be provided to candidates called for interview. No other correspondences will be entertained on this matter.