



**Dayananda Sagar
University**

live the dream

Shavige Malleshwara Hills,
Kumaraswamy Layout,
Bangalore - 560 078.
Karnataka, India.
Tel : +91-80-26662226
42201997, 42113566,
Fax : 080-42201997, 080-26660789
www.dsu.edu.in

Ref. :

Date : 11-09-2019

**School of Basic and Applied Sciences (SBAS)
Dayananda Sagar University
Bangalore - 560078**

Advertisement for Junior Research Fellow (JRF)/Project Assistant position in SERB funded research project

Applications are invited for the post of Junior Research Fellow (JRF)/Project Assistant in Science and Engineering Research Board (SERB) funded research project (CRG/2018/003474) entitled "Separation of Biobutanol via Scalable Approach of Pervaporation: To be a Viable Biofuel for Future".

Project Description: Biobutanol as a biofuel has attracted lot of attention. BuOH can be produced by fermentation of carbohydrates under anaerobic conditions which is well known as ABE (Acetone-Ethanol-Butanol) fermentation process. The major problem associated with ABE fermentation is severe product (especially BuOH) inhibition during bioprocessing, which leads to low BuOH concentration (3 wt%), causing expensive downstream processing costs. The main objective of the project is to develop novel polymeric membranes for the efficient recovery of BuOH from ABE solutions through pervaporation process application.

No of position: (01) JRF or (01) Project Fellow depending on the availability of suitable candidates.

Duration: 03 Years

Eligibility:

- M.Sc in Chemistry (preferably with polymer chemistry/ science specialization) or Physical/Organic/Inorganic/General/Material Chemistry from a recognized University/Institute with a minimum of 60% Marks or CGPA equivalent.
- Preferably having qualified NET or GATE with a valid score or any other similar type of national level exam.
- Candidates preferably should have Mathematics at the undergraduate (Bachelor) level.
- Master students appeared for the final exam can also apply. However, final mark sheet must be submitted at the time of interview.
- Candidates should be below 26 years of age at the time of application.

Desirables: Candidates with prior research experience in the field of polymer synthesis, modification, characterization or organic synthesis and characterization or membrane based separation processes/biochemical downstream processing will be given preference. It is desirable that candidates should have good command over English language (both oral & written).

Salary: Rs. 25,000/- p.m. + HRA (Candidates without NET/GATE qualification may be considered for a reduced salary of 20,000/- p.m. (Fixed)).

How to Apply: Applications containing a detailed CV (including name, photograph, date of birth, address for communication, phone number, email id, details of education from 10th onwards and any



Dayananda Sagar University

live the dream

Shavige Malleshwara Hills,
Kumaraswamy Layout,
Bangalore - 560 078.
Karnataka, India.
Tel : +91-80-26662226
42201997, 42113566,
Fax : 080-42201997, 080-26660789
www.dsu.edu.in

Ref. :

Date :

scientific accomplishments and name of two referees) and **Summary of M. Sc Project or thesis**, should reach the undersigned **only by email to drsantosh10@gmail.com or santoshchoudhari-chem@dsu.edu.in**.

Last date of receiving applications is September 30, 2019.

Contact Details:

Dr. Santosh Choudhari
Principal Investigator (PI)
School of Basic and Applied Sciences
Dayananda Sagar University
Bangalore 560078

Notes

1. The applicant will be responsible for the authenticity of information, other documents and photographs submitted.
2. Mere, possessing the prescribed qualification does not ensure that the candidate would be called for Interview. The Candidates will be shortlisted on the basis of merit and need of the project.
3. Shortlisted Candidates will be informed by e-mail about the interview date. So, the candidates must provide valid Email IDs in their applications.
4. Shortlisted candidates have to present themselves for the interview on the interview date with updated CV and originals and attested photocopies of mark sheets/certificates in support of their academic qualifications.
5. No TA/DA will be paid for appearing in the interview.
6. Selected candidate will be encouraged to join Ph.D. program in Dayananda Sagar University (DSU) as per the rules.
7. If performance of candidate is found unsatisfactory, position can be terminated with 1-month notice.
8. This appointment will be purely contractual. Initially appointment will be for first one year. It will be renewed based on the performance of the candidate.
9. The position mentioned is temporary and for the period of duration of the project (3 years). The selected candidate will be expected to join at the earliest possibility.


Registrar, 4/9/19
Dayananda Sagar University,
Bangalore - 560078

Registrar
Dayananda Sagar University
Bangalore.