



Advertisement No. 3/2020

[Filling up of temporary positions and preparing a waitlisted panel for future requirements against various sponsored R & D projects]

Candidates who fulfill the under-mentioned criteria of age, educational qualifications, and experience *etc.* may download the Application Form from 'Recruitment' link on CSIR-CSIO website www.csio.res.in and send the following documents **through e-mail to Project Leader at manoj_patel@csio.res.in** with the subject "**Application for the position of '(Name of position)' - Advt. No. 3/2020**" on or before **October 01, 2020, 5:00 PM:-**

- Duly filled-in Application Form.
- Certificates of educational qualifications, experience, DOB, category *etc.*
- The application form and certificates should be in a **single PDF file** in such a way that the file size should not exceed **6.0 MB**. The 1st page of **complete PDF file** should start with application form followed by required documents.
- The PDF file should be saved as "Post name_Candidate name_DOB (ddmmyyy).pdf".

Candidates applying for more than one position must submit **separate application form for each position**. Applications received after the last date of receipt of applications will be summarily rejected. **No hard copies** of applications should be sent to this Office. Engagement will be purely on **contract/temporary basis and co-terminus** with the completion of the project. The date and time for holding physical/virtual interviews of the shortlisted candidates will be intimated on our website/intimated through e-mail in due course. The details of the present available tentative positions are as follows:-

Before applying, the candidates are advised to go through the essential qualifications for their eligibility, as mentioned below (Table 1) for the positions being advertised (as detailed in Table 2) and choose the positions for submitting the application:-

Table 1

Table1 Essential Qualification

| Sl. No. | Manpower Positions | Essential Qualification (in the area/discipline mentioned against each position) | Upper Age limit (years) and Monthly Emoluments (Rs.) |
|---------|--------------------------|--|--|
| 1. | Project Associate -I | Master's Degree in Natural or Agricultural Sciences/ MVSc OR <u>Bachelor's degree in Engineering or Technology</u> or Medicine from a recognized University OR Equivalent | 35 years, (i) Rs. 31000/- + HRA to Scholars who are selected through (a) National Eligibility Tests- CSIR- UGC NET including lectureship (Assistant Professorship) or GATE OR (b) A selection process through National level examination conducted by Central Government Department and their Agencies and institutions (ii) Rs. 25000/- + HRA for others who do not fall under (i) above. |
| 2. | Project Associate -II | (i) Master's Degree in Natural or Agricultural Sciences/ MVSc or bachelor's degree in Engineering or Technology or Medicine from a recognized university or Equivalent. (ii) #2 years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organization and Scientific activities and services (#Experience: Experience shall be counted after obtaining the minimum prescribed qualification). | 35 years, (i) Rs. 35000/- + HRA to Scholars who are selected through (a) National Eligibility Tests- CSIR- UGC NET including lectureship (Assistant Professorship) or GATE OR (b) A selection process through National level examination conducted by Central Government Department and their Agencies and institutions (ii) Rs. 28000/- + HRA for others who do not fall under (i) above. |
| 3. | Senior Project Associate | (i) Master's Degree in Natural or Agricultural Sciences/ MVSc or bachelor's degree in | 40 Years, Rs 42,000/- +HRA |

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| | <p>Engineering or Technology or Medicine from a recognized university or Equivalent. and</p> <p>(ii) #Four years' experience in Research and Development in Industrial and Academic Institution or Science and Technology Organisation and Scientific activities and services</p> <p>(#Experience: Experience shall be counted after obtaining the minimum prescribed qualification)</p> <p>OR</p> <p>Doctoral Degree in Science/ Engineering/ Technology/ Pharma/MD/MS from a recognised university or equivalent</p> | |
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⁵Upper age limit shall be reckoned as on the last date of receipt of applications.

[#]Experience: **Experience shall be counted after obtaining the minimum prescribed qualification.**

Rs. 31000/- + HRA to Scholars who are selected through (a) National Eligibility Tests- CSIR- UGC NET including lectureship (Assistant Professorship) or GATE OR

(b) A selection process through National level examination conducted by Central Government Department and their Agencies and institutions

(ii) Rs. 25000/- + HRA for others who do not fall under (i) above.

| Sr. No. | Name of the Scheme/Project | | Positions & Stipend/Emoluments | No. of Positions | Tenure/ Project Duration | Table 2 (Present and Anticipated Requirements) | |
|---------|----------------------------|---|---|------------------|------------------------------|--|---|
| | | | | | | Essential Qualification in the area/discipline | Upper age limit as on last date of receipt of applications through e-mail |
| 1. | CSIR Project | Electrostatic Dust Mitigation and Environment Protection Device | <p>Project Associate – I :</p> <p>(I) (Rs. 31,000/- + HRA to Scholars who are selected through (a) National Eligibility tests- CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examination conducted by Central Government Departments and their agencies and institutions.</p> <p>(II) 25000/- + HRA for others who do not fall under (i) above.</p> | 01 | 31 st March, 2021 | <p>Qualification area:</p> <p>Environmental Engineering / Environmental Science and Technology / Electronics / Electronics and Communication Engineering / VLSI Design / Electrical and Electronics Engineering/ Instrumentation / Control system / Mechanical / Fluid dynamics / Computational Fluid Dynamics / Environmental Chemistry / Biotechnology or equivalent.</p> <p>Desirable:</p> <ul style="list-style-type: none"> • Strong background of design of experiments (DoE), theoretical calculations, problem formulation and solving skills, data analysis & interpretation. • Experience in the area of air pollution and smog control, aerosol generation, efficiency and efficacy evaluation strategies of smog control devices, electrostatic spraying technology, statistics & optimization techniques and air pollution monitoring. • Experience in the area of electrostatic spraying technology, electrostatics and its applications. • OrCAD, PCB and VLSI design, MATLAB, hardware and electronic design tools, embedded system, high voltage engineering, statistics and optimization techniques, data analysis and interpretation etc. • Strong hands-on experience on Solidworks, Computational Fluid Dynamics (CFD) and COMSOL. | <u>35 years</u> |

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|----|--|---|--|----|---|---|-----------------|
| | | | <p>Project Associate – II :</p> <p>(I) Rs. 35,000/- + 16 % HRA to Scholars who are selected through (a) National Eligibility tests- CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examination conducted by Central Government Departments and their agencies and institutions.</p> <p>(II) 28000/- + HRA for others who do not fall under (i) above.</p> | 02 | 31 st March, 2021 | <ul style="list-style-type: none"> • Candidate with good academic record will be preferred. • GATE/NET qualified candidates will be preferred. <p>Qualification area:</p> <p>Environmental Engineering / Environmental Science and Technology / Electronics / Electronics and Communication Engineering / VLSI Design / Electrical and Electronics Engineering/ Instrumentation / Control system / Mechanical / Fluid dynamics / Computational Fluid Dynamics / Environmental Chemistry / Biotechnology or equivalent.</p> <p>Desirable:</p> <ul style="list-style-type: none"> • Strong background of design of experiments (DoE), theoretical calculations, problem formulation and solving skills, data analysis & interpretation. • Experience in the area of air pollution and smog control, aerosol generation, efficiency and efficacy evaluation strategies of smog control devices, electrostatic spraying technology, statistics & optimization techniques and air pollution monitoring. • Experience in the area of electrostatic spraying technology, electrostatics and its applications. • OrCAD, PCB and VLSI design, MATLAB, hardware and electronic design tools, embedded system, high voltage engineering, statistics and optimization techniques, data analysis and interpretation etc. • Strong hands-on experience on Solidworks, Computational Fluid Dynamics (CFD) and COMSOL. • Candidate with good academic record will be preferred. • GATE/NET qualified candidates will be preferred. | <u>35 years</u> |
| 2. | United States-India Science and Technology Endowment Fund (USISTEF), DST A.V. | ENCEESPRAY– An electrostatic disinfection machine comprising of electrostatic sprayer and electro-hypo generator – an ideal solution for surface disinfection against covid19 | Senior Project Associate : Rs. 42,000 + 16% HRA | 01 | 06 Months from the date of start of the project or till completion of project, whichever is earlier | <p>Qualification area:</p> <p>Microbiology / Biotechnology / Biochemistry / Molecular Biology / Allied Biosciences / Applied Chemistry / Biochemical Engineering/ Electronics / Instrumentation or equivalent.</p> <p>Desirable:</p> <ul style="list-style-type: none"> • Strong background of design of experiments (DoE), theoretical calculations, problem formulation and solving skills, data analysis & interpretation. • Experience in the area of microbial studies of efficacy evaluation and efficiency studies of disinfection devices • Aerosol and mist generation and electrostatic | <u>40 years</u> |

| | | | | | | | |
|------------------------------------|--|--|--|-----------|---|--|-----------------|
| | | | <p>Project Associate – I :</p> <p>(I) (Rs. 31,000/- + HRA to Scholars who are selected through (a) National Eligibility tests- CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examination conducted by Central Government Departments and their agencies and institutions.</p> <p>(II) 25000/- + HRA for others who do not fall under (i) above</p> | 02 | 06 Months from the date of start of the project or till completion of project, whichever is earlier | <p>spraying technology.</p> <ul style="list-style-type: none"> • PhD candidate in Microbiology / Biotechnology / Biochemistry / Molecular Biology / Allied Biosciences or equivalent will be preferred. • Candidate with good academic record will be preferred. <p>Qualification area:</p> <p>Electronics / Electronics and Communication Engineering / VLSI Design / Electrical and Electronics Engineering/ Instrumentation / Control system / High voltage engineering / Mechanical / Fluid dynamics / Computational Fluid Dynamics / Physics / Optoelectronics / MBA or equivalent.</p> <p>Desirable:</p> <ul style="list-style-type: none"> • Strong background of design of experiments (DoE), theoretical calculations, problem formulation and solving skills, data analysis & interpretation. • Hands-on experience on OrCAD, PCB and VLSI design, MATLAB, COMSOL, CST, hardware and electronic design tools, embedded system, high voltage engineering. • Experience in material handling and synthesis, optical techniques for droplet size measurement, biomaterials, disinfectants and sanitisation materials. • MBA candidate with good academic records in marketing, business model generation, socio-economic studies and technology impact analysis. • MBA graduate with engineering and economics background will be preferred. • Candidate with good academic record will be preferred. • GATE/NET qualified candidates will be preferred. | <u>35 years</u> |
| Total vacancies (Tentative) | | | -- | 06 | -- | -- | -- |

A.V.: Anticipated Vacancy (Physical receipt of funds/ sanction from sponsoring agency is anticipated in near future),
*** Candidates possessing essential qualification (E.Q.) in the required area/discipline only should apply, others are not eligible.**

Other Benefits: Accommodation (subject to availability), food facility and other amenities in campus.

Please note:

1. **The performance of the candidates selected against all the above-mentioned positions will be reviewed at regular intervals (3/6 months etc.) and based on the performance as per the project mandate, further extension (if applicable) will be provided from time to time.**
2. The candidates who have already served CSIR-CSIO or any other lab / institute of CSIR as any Project Assistant / Project Fellow / JRF (in contract R&D projects) / SRF (in contract R&D projects) / Research Associate etc. for a total period of 5 years or more are not eligible for these engagements. The candidates who have served for a period less than 5 years will have tenure up to remaining period till completion of five years.

3. **Medical Facilities** for self will be provided through CSIR-CSIO Dispensary only to the extent available as per rules. This will be limited to self only and not for family members/dependents.
4. **Reservation:** As regards reservation, if all things are equal, SC/ST/OBC/PH candidates may be given preference over General candidates so as to ensure their representation.
5. In case a large number of candidates apply for the position, Selection/Screening Committee will have discretion to shortlist the candidates for interview based on written exam or percentage of marks or desirable qualification/experience or higher qualification or any other criteria deemed fit. In respect of equivalence clause in Essential Qualifications, if a candidate is claiming a particular qualification as equivalent qualification for recruitment as per the requirement of advertisement, then the candidate is required to produce order/letter in this regard, indicating the Authority (with number and date) under which it has been so treated otherwise the Application is liable to be rejected.
6. List of selected candidates will be displayed on website. In addition, general panel will also be drawn for future requirements and it will be valid for one year.
7. The selected candidates are expected to join within fifteen days from the date of receiving offer of appointment, after completion of pre-appointment formalities like medical examination and character verification etc.
8. The selected candidates will have to deposit an amount equivalent to Fifteen Day's stipend as a Security Deposit (Refundable) with CSIR-CSIO, at the time of joining.
9. CSIR-CSIO reserves the right to cancel or withdraw the award in case of any discrepancy found, in the candidature of any selected candidate at any stage.
10. CSIR-CSIO reserves the right not to fill up a particular position, if it so desires. The number of vacancies indicated above may vary at the time of actual selection.
11. No TA will be paid to the candidates for attending the interview.
12. The engagement as a Research Intern (RI) (if applicable) under the 'CSIR Diamond Jubilee Research Intern Awards' Scheme is purely on temporary basis. The Intern shall have no claim for further extension, absorption or regularization in CSIR after the expiry/termination of the Internship. The engagement can be terminated by either side by giving one month's notice OR stipend in lieu thereof without assigning any reasons. It is not a CSIR-CSIO appointment and will not confer any right on the incumbent to any claim implicit or explicit on any position.
13. All the above positions in CSIR-CSIO are purely temporary contractual engagement co-terminus with the projects. The number of vacancies indicated above may increase/decrease.
14. The guidelines issued by CSIR Headquarters for the projects sponsored by CSIR shall be applicable as per CSIR OM dated 13 August, 2020 (available on www.csir.res.in). CSIR has adopted DST, Govt OM No. SR/S9/Z-05/2019 dated 10 July 2020 pertaining to guidelines and emoluments of project staff in R&D projects.
15. DST OM No. SR/S9/Z-08/2018 dated 30.01.2019 shall be applicable for DST sponsored projects for JRF/SRF.
16. CSIR Guidelines for Ethics in Research and in Governance, as made applicable vide CSIR OM No. 30/GB/2019-MD dated February 28, 2020 (available on csir.res.in) and amended from time to time shall apply.
17. The period of experience in a discipline / area of work, wherever prescribed, shall be counted after the date of acquiring the minimum prescribed educational qualifications for that position.
18. Other terms & conditions will be governed as per guidelines issued by the funding agency/CSIR for the engagement of above Project Staff/RI as amended from time to time.

Director, CSIR-CSIO