



CSIR-NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE AND TECHNOLOGY
Industrial Estate P.O., Pappanamcode, Thiruvananthapuram - 695 019

Advt.01/2018

CLOSING DATE OF ON-LINE APPLICATIONS: 23/07/2018 at 5.30pm
Last date for receipt of hard copy of on-line application: 30/07/2018 up to 5.30PM

The National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, is a premier Institute of the Council of Scientific & Industrial Research (CSIR), involved in multidisciplinary R&D programmes of both basic and applied nature across scientific disciplines for economic, environmental and societal benefits for the people of India. This Institute is engaged in R&D of five broad areas namely (i) Agroprocessing Technology, (ii) Microbial Process Technology, (iii) Chemical Science & Technology, (iv) Materials Science & Technology and (v) Environmental Technology. NIIST offers excellent infrastructure support, start-up research funding along with a vibrant environment to perform research in a unique interdisciplinary environment, wherein scientists enjoy a mix of individual freedom and collective scientific support to undertake research of international quality, Product Development/ Technology Innovation/Applied Technology etc. within the mandate of the Institute.

On-line applications are invited from enthusiastic, young Indian researchers having excellent academic record and proven scientific achievements along with requisite experience and a high degree of motivation and desire to take up research as a career in different fields, to fill up the posts of Scientists as detailed below:

The total emoluments and age limit for various posts are as follows:

Designation	No. of Posts & Reservation category	Pay Level & Pay Matrix	Total Emoluments*	Upper Age Limit not exceeding (as on last date)**
Scientist	04 (UR) 01 (OBC) 01 (SC) 01 (ST)	Level-11 ₹67700-208700	₹87273/-	32 years
Senior Scientist	02 (UR)	Level-12 ₹78800-209200	₹100926/-	37 years
Principal Scientist	01 (UR)	Level-13 ₹123100-215900	₹155415/-	45 years

*Total Emoluments means approximate total emoluments on minimum of pay matrix including House Rent Allowance in Class 'Y' City etc.

**Please see age relaxation under Relaxation column

Sl. No.	Post Code, No. of position & reservation category	Pay Level & Pay Matrix	Designation and Age limit	Essential Educational qualification & Experience	Desirable Qualification & Experience	Job Specification
1	APTD 1 1 post ST	Level-11 ₹67700-208700	Scientist 32yrs	M.Sc in Food Science & Technology/Food Science & Nutrition and Ph.D in related area (submitted)	1 year industrial/ Post Doctoral experience in development of nutraceuticals / functional foods, product validation and quality control.	The selected candidate will have to work effectively towards technology development / technology transfer as a team member and new knowledge generation in the area of Functional foods/Nutraceuticals.
2	APTD 2 1 post UR	Level-11 ₹67700-208700	Scientist 32yrs	M.E /M.Tech in Food Engineering OR Ph.D in Food Engineering (submitted).	1 year experience in product/process development including scale up and pilot plant studies, or Post Doctoral experience.	The selected candidate will have to work effectively as a team member in the area of products/ technology development/ technology transfer / process design in Food/Agri Sector.
3	CSTD 1 1 post OBC	Level-11 ₹67700-208700	Scientist 32yrs	M.E/M.Tech in Nano Science and Technology OR Ph.D in the relevant area (submitted)	1 year experience in the design and synthesis of nano materials for advanced applications.	The selected candidate will have to work as a team member in the design and synthesis of various nano materials for the on-going activities of CSIR-NIIST.
4	CSTD 2 1 post UR	Level-12 ₹78800-209200	Senior Scientist 37yrs	Ph.D in Chemistry in the area of Synthetic Organic Chemistry with 2 years Post Doctoral Research experience	Experience in the synthesis of organic molecules and intermediates for therapeutic applications.	The selected candidate will have to work independently and as a team member in the synthesis of organic molecules and intermediates for therapeutic applications.
5	ETD 1 post UR	Level-11 ₹67700-208700	Scientist 32yrs	M.E /M.Tech in Environmental Engineering OR Ph.D in relevant area (submitted)	1 year industrial experience in the area of water/waste water treatment/environmental remediation/ monitoring/management.	The selected candidate will have to work in a team for formulating projects/ process development and field installations of water/waste water treatment/ environmental remediation/ monitoring/management.
6	MPTD 1 1 post UR	Level-11 ₹67700-208700	Scientist 32yrs	M.Tech/MS in Biotechnology/ Molecular Biology/ Genetic Engineering OR M.Sc and Ph.D in Molecular Biology/Systems Biology or relevant area (submitted).	1 year experience in molecular biology, genomics and proteomics and metabolic engineering , handling of bioinformatics tools relevant to the subject, knowledge on gene regulation concepts and signal transduction	The selected candidate will have to work on cell factory optimisations. The work involves targeted gene/protein engg. through genetic modifications of the organisms directed towards microbial process development.

7	MPTD 2 1 post UR	Level-12 ₹78800-209200	Senior Scientist 37yrs	M.Tech/MS in Biotechnology/ Industrial Microbiology with 3 years experience OR M.Sc and Ph.D in relevant area with 2 years Post Doctoral/ Industrial Experience.	Experience in fermentation process development using bacteria, fungi, yeast and actinomycete systems, operations of bio reactors, fermentation monitoring , analysis of metabolites using sophisticated instrumentation. Down-stream process development. Knowledge on product development and industrial experience.	Selected candidate will have to work on fermentation process development (both upstream and downstream processes) for microbial products and metabolites including enzymes, bioactives , biopolymers etc., The work involves the process optimisation, product separation, purification and formulations and use of analytical tools and equipments including HPLC, GC, Mass Spectroscopy, IR Spectroscopy, Spectrophotometry etc.
8	MSTD 1 post UR	Level-11 ₹67700-208700	Scientist 32yrs	M.Tech/ME in Materials Science/ Process Metallurgy OR M.Sc in Chemistry with Ph.D in Inorganic Chemistry (submitted).	1 year Industrial / Post Doctoral research experience in the area of mineral beneficiation, pyro / hydro metallurgical separation and processing of ferrous and non ferrous minerals, basic knowledge of computer programming and modeling	The selected candidate will have to work actively in the ongoing research programmes. Should be able to independently plan, execute and lead research programmes. Should be able to identify the industrial problems , liaison with the mineral industries and independently put up R& D proposals for external funding
9	RPBD 1 1 post SC	Level-11 ₹67700-208700	Scientist 32yrs	BE/B.Tech in any Branch with MBA in Marketing	1 year industrial experience after MBA in process evaluation and its market potential.	The selected candidate will have to act as an interface between the Institute and the industry and marketing the Institutional knowledge base, Market evaluation, Market survey, Economic feasibility studies etc.
10	RPBD 2 1 post UR	Level-13 ₹123100-215900	Principal Scientist 45 yrs	Ph.D in Chemistry/ Materials Science/ Chemical Engineering with 3 years of Industrial experience.	Experience in industries with product development/ Project Management/ Commercialization/ Business Development.	The selected candidate will have to plan research activities of thea Institute, Techno commercial feasibility evaluation of Institute's knowledge base, Interaction with the industries for marketing knowledge base and understand

						needs of the industries and provide feedback thereon to Institute's scientists.
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General Information and conditions:

1. Benefits under Council service.

- a. These posts carry usual allowances i.e. Dearness Allowance (DA), House Rent Allowance (HRA), Transport Allowances (TA) etc. as admissible to the central government employees and as made applicable to CSIR. Council employees are also eligible for accommodation of their entitled type as per CSIR allotment rules depending on availability, in which case, HRA will not be admissible.
- b. Scientist are eligible for professional update allowance.
- c. In addition to the emoluments indicated against each category posts, benefits such as applicability of New Pension Scheme 2004, reimbursement of Medical Expenses, Leave Travel Concession, Conveyance Advance and House Building Advance are available as per CSIR rules.
- d. Scientists in CSIR are also permitted to undertake consultancy and sponsored R&D project activity. These activities give them scope to earn consultancy fee and honorarium as per CSIR guidelines governing these activities. Opportunities also arise for foreign deputations for training/presentation of papers/specific assignments etc.
- e. CSIR provides excellent opportunities to deserving candidate for career advancement under Assessment Promotion scheme for scientists.

2. Other Conditions.

- a. The applicant must be a citizen of India.
- b. All applicants must fulfil the essential requirements of the post and other conditions stipulated in the advertisement as on the closing date of on-line application. They are advised to satisfy themselves before applying that they possess at least the essential qualifications laid down for various posts as on the closing date of on-line application. No enquiry asking for advice as to eligibility will be entertained.
- c. The prescribed essential qualifications are the minimum and the mere possession of the same does not entitle candidates to be called for interview. The duly constituted screening committee will adopt its own criteria for short-listing the candidates. The candidate should therefore, mention in the application all the qualifications and experiences in the relevant area over and above the minimum prescribed qualification, supported with documents. Completion of Ph.D degree will be reckoned from the date of issue of provisional certificate/notification.
- d. The application should be accompanied by self attested copies of the relevant educational qualification, experience. The prescribed qualifications should have been obtained through recognized Universities/Institutions etc. Incomplete applications/applications received or not accompanied with the required certificates/documents are liable to be rejected.
- e. In respect of equivalent clause in essential qualification, if a candidate is claiming a particular qualification as equivalent qualification 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.
- f. The period of experience rendered by a candidate on part time basis, daily wages, visiting/guest faculty will not be counted while calculating the valid experience for short listing the candidates for interview.
- g. If any document/certificate furnished is in a language other than Hindi or English, a transcript of the same duly attested by a Gazetted Officer or notary is to be submitted.
- h. The date for determining the upper age limit, qualifications and /or experience shall be the closing date prescribed for receipt of on-line application i.e. **23/07/2018**.
- i. 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 prescribed for that Grade.
- j. Persons with disabilities (PwD) fulfilling the eligibility conditions prescribed under GOI instructions are encouraged to apply.

- k. In case a candidate is staying abroad, his/her candidature may be considered in absentia by the Selection Committee on his/her written request.
- l. Only outstation candidates called and found eligible for interview will be paid to and fro single second class rail fare from the actual place of undertaking the journey or from the normal place of their residence whichever is nearer to Trivandrum Central Railway Station on production of Rail Ticket Numbers or any other proof of journey.
- m. Any discrepancy found between the information given in application and as evident in original documents will make the candidate ineligible for appearing in interview. Such candidate will not be paid any fare.
- n. The decision of the NIIST/CSIR in all matters relating to eligibility, acceptance or rejection of applications, mode of selection, conduct of examination/interview will be final and binding on the candidates.
- o. Canvassing in any form and/or bringing any influence political or otherwise will be treated as a disqualification for the post.
- p. NO INTERIM ENQUIRY OR CORRESPONDENCE WILL BE ENTERTAINED.

3. Relaxations:

- a. The upper age limit is relaxable upto 5 years for SC/ST and 3 years for OBC as per Government orders in force only in those cases where the posts are reserved for respective categories. Candidates seeking age relaxation under these categories should enclose self attested copy of the relevant certificate in the prescribed format signed by the specified authority.
- b. Upper age limit is also relaxable upto five years for the regular employees working in CSIR Laboratories/institute, Government Departments, autonomous bodies and public sector undertakings.
- c. As per GOI provisions, age relaxation for Widows, Divorced Women and Women judicially separated from Husbands, the upper age limit is relaxable up to the age of 35 years (upto 40 years for members of Scheduled Castes/Scheduled Tribes and up to 38 years for members belonging to the Other Backward Classes in respect of the posts reserved for them) for Widows, divorced Women and Women judicially separated from their Husbands who are not remarried,. The person claiming age relaxation under this sub-para would be required to produce following documentary evidence.
 - i) In case of Widow, Death Certificate of her husband together with the Affidavit that she has not remarried since.
 - ii) In case of divorced Women and Women judicially separated from their husbands, a certified copy of the judgment/decree of the appropriate Court to prove the fact of divorce or the judicial separation, as the case may be, with an Affidavit in respect of divorced Women and they have not remarried since.
- d. Age relaxation to Persons with Disability (PwD): Age relaxation of 5 years is allowed (10 years for SCs/STs, 8 years for OBCs in respect of the post reserved for them) to persons suffering from (a) blindness or low vision (VH), (b) hearing impairment (HH) and (c) locomotor disability or cerebral palsy (OH). The persons claiming age relaxation under this sub-para would be required to produce a certificate in prescribed proforma in support of their claims clearly indicating that the degree of physical disability is 40 % or more. In any case, the appointment of these candidates will be subject to their being found medically fit in accordance with the standards of medical fitness as prescribed by the Government for each individual Group 'A' posts to be filled by Direct Recruitment by Selection.
- e. Relaxation in age, over and above the stipulated limit, educational qualification and/or experience may be considered in case of exceptionally meritorious candidates or if sufficient number of candidates possessing the requisite qualification and /or experience are not available to fill up the posts.
- g. Relaxation of five years will also be permissible to those who had ordinarily been domiciled in the Kashmir division of the state of Jammu and Kashmir during the period from 01.01.1980 to 31.12.1989 subject to production of relevant certificate from concerned authority.

4. **How to apply:**

- a. Eligible candidates are required to apply on-line through CSIR-NIIST website www.niist.res.in. No other mode of application will be accepted.
- b. Online application will be available on CSIR-NIIST website up to **23/07/2018 (5.30 pm)**
- c. The candidate has to **remit application fee of Rs.500/- (wherever applicable) through Net-Banking** to the following account and fill up the transaction details in the prescribed columns of on-line application:

Name of Account Holder	: Director, NIIST (CSIR), Trivandrum
Account Number	: 67047723825
Bank Name	: State Bank of India
IFSC Code	: SBIN0070030
MICR No.	: 695002943
- d. Candidate should keep a copy of the application print out for their record.
- e. The **duly signed** print out of the computer generated application form (hard copy) along with self attested copies of certificates, mark-sheets, testimonials in support of age, educational qualifications, experience, re-prints of publications, caste certificate, if applicable, and proof of application fee remittance should be sent in an envelope superscribed " Application for the post of(Post Code.....) by post so as to reach **The Administrative Officer, CSIR-NIIST, Industrial Estate P.O, Pappanamcode, Thiruvananthapuram-695019, Kerala on or before 5.30PM on 30-07-2018.**
- f. The candidates belonging to Women/SC/ST/PwD/CSIR employees are exempted from submission of application fee.
- g. Candidates applying for more than one post should submit separate online applications and application fees.
- h. In case of Universities/Institute awarding CGPA/SGPA/OGPA grades etc., candidates are requested to convert the same into percentage based on the formula as per their university/Institute.
- i. Application fees once paid will not be refunded on any circumstances nor can it be held in reserve for any other recruitment or selection process.
- j. Applications from candidates working in Government Departments, autonomous bodies, Public Sector Undertakings and Government Funded Research Agencies will be considered only if the print out of online application is forwarded through proper channel with a clear certificate from the employer that the applicant will be relieved of his/her duties within one month of receipt of appointment letter, if selected for the post applied for. However, advance copy of the application may be submitted before the closing date.
- k. Candidates should specifically note that the applications received after the closing date for any reason whatsoever (such as envelopes wrongly addressed, delivered elsewhere, postal delay etc.) will not be entertained by CSIR-NIIST.
- l. Incomplete applications (i.e. without duly signed photograph, application fee, applicable testimonials and unsigned) will not be entertained and will be summarily rejected.

5. **Following documents must be attached along with application form sent by post:**

- a. Coloured photograph pasted on the form and signed across in full.
- b. Self Attested photocopy of Date of Birth Certificate.
- c. Self Attested photocopies of educational qualifications certificates.
- d. Self Attested photocopy of caste certificate, if applicable.
- e. Self Attested photocopies of experience certificates, if any.

Sd/-
Administrative Officer