



CSIR- INDIAN INSTITUTE OF PETROLEUM

(COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH)

P.O. I.I.P., MOHKAMPUR, HARIDWAR ROAD

DEHRADUN – 248005 (UTTARAKHAND)



Advertisement No. 09/2018

Date of Commencement of online Applications: 24.09.2018

Last Date for Receipt of online applications: 12.10.2018 (17:30 hours)

Last date of receipt of Hard Copy of Application Form: 22.10.2018 (17:30 hours)

A unique opportunity for research careers in Science & Technology

CSIR-Indian Institute of Petroleum, Dehradun, a premier Institute under the Council of Scientific and Industrial Research (CSIR), under the Dept. of Scientific & Industrial Research, Govt. of India, is 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. CSIR-IIP has a rich legacy of being a pioneer in the area of Petroleum & Hydrocarbon industry and is presently engaged in the development of sophisticated green technologies to cater to the energy needs of modern world and for reducing carbon footprint.

CSIR-IIP has developed and transferred technologies to industries in the areas of petroleum refining, natural gas, petrochemicals, chemicals and utilisation of petroleum products, provided technical services and imparted world class training to the human resource of Oil and Refining industry. CSIR-IIP has strong collaborations with industries and academia in India & abroad and has outstanding scientists working in the multidisciplinary areas of R&D in the hydrocarbon and related industry.

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 the field of Heavy Oil Processing, Refining Technology, Biofuels, Chemical Sciences, Automotive Fuel & Lubricant Applications, Analytical Sciences and Tribology to fill up the vacancy of following posts of scientists as per the details given below:

Designation	No. of Posts with reservation	Entry Pay	Emoluments (in Rs.)*	**Upper Age Limit not exceeding (as on last date)
Scientist	06 (UR-3, SC-01, OBC-02)	Entry Pay Level-11(67700-208700)	87,123.00	32 Years
Sr. Scientist/Scientist	04 (UR-2, SC-01, ST-01)	Entry Pay Level-12(78800-209200)/ Entry Pay Level-11(67700-208700)	1,00,776.00/ 87,123.00	37 / 32 Years

UR-Unreserved, SC-Scheduled Caste, ST-Scheduled Tribe, OBC-Other Backward Classes,

* Total Emoluments means approximate total emoluments as on 01.07.2018 on minimum of pay including House Rent Allowance in Class 'Y' City and other allowances.

**Please see age relaxation under Relaxation column.

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Post Code / No. of Positions & Reservation	Entry Pay Level	Designation & Age limit not exceeding	Essential Educational Qualifications & Experience	Desirable Experience	Job specification
Post Code: BFD-1 Area: Chemical Conversion 01 Post (SC)	Entry Pay level –11 (Rs. 67700-208700)	Scientist (32 Years)	Ph.D. (Organic Chemistry) submitted	Having 2-3 years experience in organic synthesis from Biomaterials / Natural products with special emphasis on knowledge of designing of experiments etc. Well versed with analytical technique like GC, HPLC, NMR and Mass etc.	Multifunctional Additives for Fuels and Lubricants. The incumbent will be expected to formulate/ conceive/initiate own research projects while interfacing with Petroleum Industry and R&D Groups working in this Institute.
Post Code: CSD-1 Petro-chemistry 01 Post (UR)	Entry Pay level –11 (Rs. 67700-208700)	Scientist (32 Years)	Ph.D. (Chemistry) submitted	Research experience on design and synthesis of advanced materials for petrochemicals and refinery conversion processes. Should have strong hands-on expertise on materials characterization and research background on hydrocarbon chemistry, petrochemical feedstocks and process development for value added chemicals from refinery streams.	Development of materials and processes for converting the hydrocarbons/refinery streams to high value chemicals. The incumbent will be expected to formulate/ conceive/initiate own research projects while interfacing with petroleum industry and R&D groups.
	Entry Pay level–12 (Rs.78800-209200)	Senior Scientist (37 Years)	Ph.D. (Chemistry) with two years relevant experience		
Post Code : ASD-1 Area: Advanced Crude Oil Research Centre (ACRC) 01 Post (UR)	Entry Pay level –11 (Rs. 67700-208700)	Scientist (32 Years)	Ph.D. (Chemistry) submitted	Should have experience related to petroleum products and their characterizations/testing.	Crude oil evaluation and to lead the testing/ consultancy/R&D projects related to characterization of petroleum products including crude oil and should deal with Standards and Specifications for petroleum products both in National (BIS) as well as International (ASTM/IP/ISO) standards. The incumbent will be expected to formulate/conceive/initiate own research projects while interfacing with Petroleum Industry and R&D Groups working in this Institute.

Post Code: ASD-2 Area: Wax Rheology 01 Post (UR)	Entry Pay level –11 (Rs. 67700-208700)	Scientist (32 Years)	M.E./M.Tech. (Chemical Engg.) OR Ph.D. (Chemical Engineering) submitted	Experience of working in the areas of process development, reactor design at lab scale/ pilot scale, scale- up of lab scale process.	To carry out research for value addition to waste plastics, scaling up of lab scale process, design of reactor system. The incumbent will be expected to formulate/ conceive/initiate own research projects while interfacing with Petroleum Industry and R&D Groups working in this Institute.
	Entry Pay level–12 (Rs.78800-209200)	Senior Scientist (37 Years)	M.E./M.Tech. (Chemical Engineering) with 3 years relevant experience OR Ph.D. (Chemical Engineering) with 2 years relevant experience	Study on reaction kinetics, heat and mass transfer preferably related to polymers and petroleum refining.	
Post Code: ASD-3 Area: Electron Microscopy 01 Post (ST)	Entry Pay level –11 (Rs. 67700-208700)	Scientist (32 Years)	Ph.D. (Chemistry/Physics) submitted	Knowledge and experience in operation of sophisticated instruments such as SEM/TEM/XRF/XRD/XPS etc. with data analysis.	The incumbent will be responsible to manage the activities/instruments related to electron spectroscopy/microscopy like SEM, TEM, STM etc. besides carrying out his/her own research. The incumbent will be expected to formulate/ conceive/initiate own research projects while interfacing with Industry and R&D Groups working in this Institute.
	Entry Pay level–12 (Rs.78800-209200)	Senior Scientist (37 Years)	Ph.D. (Chemistry/Physics) with two years relevant experience		
Post Code: ASD-4 Area: Fuel Testing Laboratory 01 Post (SC)	Entry Pay level –11 (Rs. 67700-208700)	Scientist (32 Years)	Ph.D. (Chemistry) submitted	Should have experience related to petroleum products and their characterizations/testing.	Crude oil evaluation and to lead the testing/ consultancy/R&D projects related to characterization of petroleum products including crude oil and should deal with Standards and Specifications for petroleum products both in National (BIS) as well as International (ASTM/IP/ISO) standards. The incumbent will be expected to manage the laboratory/group at FTL. The incumbent will be expected to be posted at Noida/Delhi.
	Entry Pay level–12 (Rs.78800-209200)	Senior Scientist (37 Years)	Ph.D. (Chemistry) with two years relevant experience		

Post Code: CCD-1 Area: Catalytic Dehydrogenation Area 01 Post (OBC)	Entry Pay level –11 (Rs. 67700-208700)	Scientist (32 Years)	M.E./M.Tech (Chemical Engineering) OR Ph.D. (Chemical Engineering) submitted	Should have proven record of excellence in the field of Chemical Process Engineering and/or Process Development.	To carry out R&D in the areas of Process Engineering and Process Development of Sustainable Chemical Processes especially Catalytic Conversion of Alkanes into valued Chemicals and scale-up studies. The incumbent is also expected to build up leadership in the new and emerging areas of Green Fuels and Petrochemicals.
Post Code: CCD-2 Area: GTL Area 01 Post (OBC)	Entry Pay level –11 (Rs. 67700-208700)	Scientist (32 Years)	M.E./M.Tech (Chemical Engineering) OR Ph.D (Chemistry/Chemical Engineering) submitted	2 years R&D experience in the area of heterogeneous catalysis, reactor design, Pilot Plant reactors handling and maintenance of Pilot Plants.	R&D activities related to development of advanced novel materials such as mesoporous/nano etc., for applications in catalytic petroleum refining processes, environment control and energy industry. The incumbents will be expected to conceive and initiate research projects to fulfill the objectives of CSIR-IIP.
Post Code: CCD-3 Area: Nanocatalysis 01 Post (UR)	Entry Pay level –11 (Rs. 67700-208700)	Scientist (32 Years)	M.E/M.Tech (Chemical Engineering) OR Ph.D. (Chemistry/Computational Chemistry/Chemical Engineering) submitted	Ab-initio & semi empirical quantum mechanics, density functional theory, molecular dynamics, statistical mechanics, chem.-informatics structure prediction and molecular design.	To understand the structure activity relationship via theoretical approach on the Catalytic surface.
Post Code: CCD-4 Area: Residue Conversion Area 01 Post (UR)	Entry Pay level –11 (Rs. 67700-208700)	Scientist (32 Years)	M.E./M.Tech (Chemical Engineering) OR Ph.D. (Chemistry/Chemical Engineering) submitted	Should have experience working on high pressure and high temperature reactor used for thermal and catalytic petroleum conversion processes.	Experience in the areas of heterogeneous catalysis, reactor design, scale up of reactors, reaction engineering/kinetics, handling and maintenance of pilot plant reactors.

Apart from qualifications indicated above, any other recognized qualification, which is equivalent to the prescribed qualification, shall be treated at par with that qualification.

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 Allowance (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. In addition to the emoluments indicated against each category of posts, benefits such as applicability of New Pension Scheme 2004, reimbursements of Medical Expenses, Leave Travel Concession, Conveyance advance and House Building Advance are available, as per CSIR rules.
- c. 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 royalty as per CSIR guidelines governing these activities. Opportunities also arise for foreign deputations for training/presentation of papers/specific assignments etc.
- d. CSIR provides excellent opportunities to deserving candidates for career advancement under Assessment Promotion scheme for Scientists.
- e. Deserving candidates may be considered for advance increment as per CSIR Rules.

2. Other conditions

- a. The applicant must be a citizen of India.
- b. All applicants must fulfill the essential requirements of the post and other conditions stipulated in the advertisement as on the last date of receipt of the applications. They are advised to satisfy themselves before applying that they possess at least the essential qualifications laid down for various posts as on the last date of receipt of the applications. No enquiry asking for advice as to eligibility will be entertained.

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.

- c. 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 application/applications received or not accompanied with the required certificates / documents are liable to be rejected.
- d. In respect of equivalent clause in Essential Qualifications, 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.
- e. 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.



- f. **Preference will be given to the candidates involved in Product Development/Technology Innovation/Applied Technology/Translational Research etc.**
- 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 online applications.
- 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. **The Selection Committee may choose to place the candidate in any of the Entry Pay Level (EPL) depending upon the performance of the candidate and subject to meeting the minimum eligibility criterion specified.**
- m. 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 Dehradun on production of Rail Tickets/Rail Ticket Numbers or any other proof of journey. 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 IIP/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 CORRESPONDANCE WILL BE ENTERTAINED.**

3. Relaxations :

- a. The upper age limit is relaxable upto 05 years for SC/ST and 03 years for OBC as per Government orders in force only in those cases where the post are reserved for respective categories, on production of relevant certificate in the prescribed format signed by the specified authority at the time of interview.
- b. Upper age limit is also relaxable upto five years for the regular employees working in CSIR laboratories / institutes, 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 upto 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 persons 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 Disabilities(PWD): Age relaxation of 10 years (total 15 years for SCs/STs and 13 years for OBCs in respect of the posts reserved for them) in upper age limit is allowed to persons suffering from (a) blindness or low vision, (b) hearing impairment and (c) locomotor disability or cerebral palsy for appointment to Group 'A' posts/services subject to the condition that maximum age of the applicant on the closing date is not exceeding 56 years. 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.
- f. 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 1-1-1980 to 31-12-1989 subject to production of relevant certificate from concerned authority.

4. How to apply :


- a. Eligible candidates are required to apply ONLINE through our website <http://www.iip.res.in>
- b. If the candidate does not have a valid E-mail ID, he/she should create a new valid E-mail ID before applying online.
- c. Online Application will be available on our website www.iip.res.in up to 12.10.2018.
- d. Candidates belonging to General and OBC category are required to arrange to deposit fee for Rs.100/- through SB Collect". Procedure for submitting online fee is given as under:
- (1) Open site <https://www.onlinesbi.com>
 - (2) Click on "SB Collect"
 - (3) Accept terms and conditions and click on proceed
 - (4) In field "State of Corporate/Institution" Select "All India"
 - (5) In field "Type of Corporate/Institution" Select "Govt. Department"
 - (6) In field "Govt. Dept. Name" Select "Director-IIP".
 - (7) In field "Select Payment Category" Select "Application Fee"
 - (8) In field "Type of Application" select "Regular Appointment"
 - (9) Fill all the information & mention Related Dept. as "**Recruitment**" and submit the requisite fee.
 - (10) Printout of the fee receipt is to be attached on top of the generated application form.



- e. The last date for submitting online application is 12.10.2018. This date will be the same for the candidates belonging to far-flung areas. The candidates belonging to SC/ST/PWD/Women/CSIR Employees/Abroad Candidates category are exempted from submission of **application** fee.
- f. 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.
- g. Successful online application is indicated by the page displayed after clicking **Submit Button** indicating the generated **“APPLICATION NUMBER”**. Please note down the same carefully and preserve it. If you do not preserve it, you will not be able to Re-print the Application.
- h. This computer generated application (Print-out) duly accompanied by self attested copies of the certificates, mark sheets, testimonials in support of age, education qualifications, experience, re-prints of publications and caste certificate, if applicable along with one recent passport size self-signed photograph affixed together with Application Fee (if applicable) should be sent in an envelope superscribed **“APPLICATION FOR THE POST OF _____ (Post Code _____)”** by Registered/Speed Post to the address:- **Controller of Administration, CSIR-Indian Institute of Petroleum, P.O. IIP, Mohkampur, Haridwar Road, Dehradun-248005 (Uttarakhand).** The last date for receipt of hard copy of application is 22.10.2018. Candidates applying for more than one post must submit separate application form for each post indicating the Code No. of the post. The hard copy(s) of each application must be accompanied by separate Application Fee.
- i. Application once made will not be allowed to be withdrawn and fees once paid will not be refunded on any count nor can it be held in reserve for any other recruitment or selection process.
- j. Applications from employees of Government Departments will be considered only if forwarded through proper channel, certified by the employer that the applicant, if selected will be relieved within one month of the receipt of the appointment orders. Also, vigilance clearance should also be recorded. However, advance copy of the application may be submitted before the closing date. Applications routed through proper channel should reach CSIR-IIP at the earliest.
- 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-IIP.**
- l. **Incomplete applications (i.e. without photograph, unsigned and without application fee, applicable testimonials etc.) will not be entertained and will be summarily rejected.**
5. **Following documents must be attached along with application form sent by post:**
- Fee receipt generated through SB Collect of Rs.100/-, wherever applicable.
 - Coloured photograph pasted on the form and signed across in full.
 - Self Attested photocopy of Date of Birth Certificate.
 - Self Attested photocopies of education qualifications certificates.
 - Self Attested photocopy of caste certificate, if applicable.
 - Self Attested photocopies of experience certificates, if any.
 - Self Attested photocopies of reprint of publications, if any.






Controller of Administration